



**water & sanitation**

Department:  
Water and Sanitation  
**REPUBLIC OF SOUTH AFRICA**

Report Number: P WMA 06/D00/00/3423/14

Directorate: Water Resource Development Planning  
Department of Water & Sanitation  
Private Bag X313  
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South Africa

## Greater Mangaung Water Augmentation Project

# Public Participation Report

### Xhariep Pipeline Feasibility Study





## water & sanitation

Department:  
Water and Sanitation  
REPUBLIC OF SOUTH AFRICA

Directorate Water Resource Development Planning

# Public Participation Report

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### APPROVAL

|                          |   |                                    |
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| <b>Project Name</b>      | : | Xhariep Pipeline Feasibility Study |
| <b>DWS Report Number</b> | : | P WMA 06/D00/00/3423/14            |
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# Report Structure

This report forms part of the following suite for the study:

| REPORT INDEX | REPORT NAME   | DWS NUMBER                     |
|--------------|---|--------------------------------|
| 1            | Inception Report  | P WMA 06/D00/00/3423/1         |
| 2            | Site Visit Report   | P WMA 06/D00/00/3423/2         |
| 3            | Stakeholder Management Report   | P WMA 06/D00/00/3423/3         |
| 4            | Data Analysis and Collection Report   | P WMA 06/D00/00/3423/4         |
| 5            | Pre-feasibility Study Report  | P WMA 06/D00/00/3423/5         |
| 6            | Main Feasibility Study Report   | P WMA 06/D00/00/3423/6         |
| 7            | Geological and Materials Investigations Report  | P WMA 06/D00/00/3423/7         |
| 8            | Topographical Survey and Mapping Report   | P WMA 06/D00/00/3423/8         |
| 9            | Feasibility Design Report - Pipeline, Pump Stations & Reservoirs                            | P WMA 06/D00/00/3423/9         |
| 10           | Socio-Economic Impact Assessment and Legal, Institutional and Financing Arrangements Report | P WMA 06/D00/00/3423/10        |
| 11           | Feasibility Design Report - Water Treatment Works   | P WMA 06/D00/00/3423/11        |
| 12           | Land Matters  | P WMA 06/D00/00/3423/12        |
| 13           | DFFE Application Submission   | P WMA 06/D00/00/3423/13        |
| 14           | <b>Public Participation Report</b>  | <b>P WMA 06/D00/00/3423/14</b> |
| 15           | DFFE BAR Submission   | P WMA 06/D00/00/3423/15        |
| 16           | Summary Feasibility Study Report  | P WMA 06/D00/00/3423/16        |
| 17           | Water Use License Application Summary Report  | P WMA 06/D00/00/3423/17        |
| 18           | Integrated Water and Waste Management Plan  | P WMA 06/D00/00/3423/18        |
| 19           | Water Resource Analysis Report  | P WMA 06/D00/00/3423/19        |



## Reference

This report is to be referred to in bibliographies as:

Department of Water and Sanitation, South Africa. 2023. *Greater Manguang Water Augmentation Project – Xhariep Pipeline Feasibility Study: Public Participation Report*.

DWS Report Number: P WMA 06/D00/00/3423/14

Prepared by Zutari (Pty) Ltd

# Cover Page

Attached to this cover page is the Public Participation Report documenting the public engagements for the environmental authorisation and the water user license authorisation application.



## Public Participation Report

**Greater Mangaung Water Augmentation  
Project: Xhariep Pipeline (Scheme 1B),  
Mangaung Metropolitan Municipality,  
Free State**

**Department Water and Sanitation**

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# 1 Introduction

A Public Participation Process (PPP) is a broad, inclusive, and continuous process of communication between a Proponent of a project, and those potentially affected by the activities of the proposed development. This can include a wide range of activities that are relevant to the entire life of a project. During the BA process, the aim is to provide an opportunity for stakeholders to be (1) informed of projects occurring in their area which may affect them directly or indirectly and (2) provide an accessible and meaningful opportunity for people to ask questions, raise concerns or grievances and (3) to ensure that these are used to guide the new development, and planned operations, in a responsible manner that complements the local socio-economic environment, reduces environmental impact and enhances the benefits of the project.

South African legislation and guidelines have formalised the Public Participation Process (PPP) for BA. PPP forms an integral component of this process and enables interested and affected parties (I&APs) to identify issues, and concerns, and make suggestions during the BA process. This PPP is structured to provide I&APs with the opportunity to learn about the proposed project, to provide input through the review of documents/ reports, and to voice any issues of concern at various stages throughout the BA process. These stages are described below.

- ▶ The PPP was undertaken in accordance with regulations 39 – 44 of the EIA Regulations. Additional guidance has been incorporated from the Western Cape<sup>1</sup> Department of Environmental Affairs and Development Planning (DEA&DP) Guideline Document on Public Participation (March 2013).
- ▶ A combined Public Participation Process (PPP) was executed for the proposed Xhariep Pipeline Project (Scheme 1B) and the Water Use License (WULA).

This Public Participation Report (PPR) has therefore been compiled to collectively represent the consultation process that has been undertaken through the PPP. The following sections include:

- ▶ Section 1: A database of interested and affected parties (I&APs) was created in the pre-application phase of the proposed Xhariep Project Pipeline. This database was updated and maintained throughout the Basic Assessment process.
- ▶ Section 2: The consultation that were undertaken during the Pre-application phase of project has been described
- ▶ Section 3: The consultation that took place for the Basic Assessment
- ▶ Section 4: Comments and responses were summarised into a table in this section. All original comments and responses are attached an appendix to this Public Participation Report (PPR).

## 1.1 Identification of Stakeholders and I&AP Database

A database of I&APs has been obtained from GladAfrica (previous EA) and has since been updated according to the new additional section of the Xhariep pipeline project Scheme 1B. Landowners have been asked to forward details of all occupiers for registration. Mangaung and Kopanong municipalities were contacted as well as Farmers Associations to obtain information re affected landowners.

The database was initiated by including the details of the following affected parties:

- ▶ Landowners, adjacent landowners and occupiers;
- ▶ Relevant district and local municipal officials and ward councillor/s;
- ▶ Relevant national and provincial government departments;



- ▶ Relevant environmental bodies or organisations.
- ▶ Farmer Associations

Potential interested parties and stakeholders were reached via the site notices, newspaper adverts and hand distribution of the BID and comment forms at strategic locations along the project route where possible. All notifications included the relevant information and guidance on how to register as an I&AP, access documentation and submit comments. This I&AP database were updated as new I&APs are identified throughout the project lifecycle. **Please note that due to the POPI ACT the Mangaung and Kopanong Municipalities did not share any landowner details with Zutari and obtaining landowner contact details proved to be difficult. In order to address this challenge, Zutari appointed a private estate agent who assisted in obtaining landowner information where these were available.**

## 1.2 Pre-application meeting with DFFE

A pre-application meeting was undertaken on 7 November 2023, firstly, to confirm that DFFE is the competent authority, to provide background on the project and previous EA which has since lapsed, to agree on the activities triggered and which EIA process is required and, secondly, to confirm the list of specialist assessments required for the application.

DFFE confirmed responsibility as the competent authority since the applicant is a national department namely DWS.

**Refer to Appendix 1 for the Meeting Minutes.**

## 1.3 Landowner consultation

# 2 Basic Assessment Consultation

## 2.1 Written notifications

Written notifications were sent to all registered and identified I&APs as well as to all the I&APs on the database which has been obtained from GladAfrica (previous EA). This notification informed the reader of the availability of the draft BAR, where and when to access it and where to send a comment. Written notices were distributed via email.

**Refer to Annexure 2.1 for the proof of written notifications. On 20 June 2024, a reminder was sent out to elicit comments from I&APs and is appended as Annexure 2.2**

**Please note that due to the POPI ACT the Mangaung and Kopanong Municipalities did not share any landowner details with Zutari and obtaining landowner contact details proved to be difficult. In order to address this challenge, Zutari appointed a private estate agent who assisted in obtaining landowner information where these were available. Zutari conducted an extensive PPP which included written notification, public meetings, site notices and adverts (as proven in this PPP report), to provide potential I&APs the best possible chance of being informed of the project.**

**Please also note that the project is a SIP project and:**

39. *Activity on land owned by person other than proponent*

(1) *If the proponent is not the owner or person in control of the land on which the activity is to be undertaken, the proponent must, before applying for an environmental authorisation in respect of such activity, obtain the written consent of the landowner or person in control of the land to undertake such activity on that land.*

(2) *Sub-regulation (1) does not apply in respect of-*

(a) *linear activities;*

*[Para. (a) amended by GN 517/2021. Amendment to para. (a) by GN 517/2021 withdrawn by GN 1816/2022 w.e.f. 11 June 2021. Wording prior to the amendment by GN 517/2021 has been reinstated]*

## 2.1.1 Newspaper advertisements

The availability of the Draft BAR was advertised in the 'The City Press and the "Rapport" newspapers on 2 June 2024 and informed the public of the public participation opportunities and the availability of the Draft BAR for comment.

**Refer to Annexure 3.1 and 3.2 for the proof of the advertisements.**

## 2.1.2 Site Notices

Site notices have been made available at the following locations: (i) Gariep Dam, (ii) Trompsburg, (iii) Edenburg and (iv) Bloemfontein. Addresses are below and proof are recorded in Table 1.

- ▶ Gariepdam Public Library - 11 Patrys Street
- ▶ Edenburg Public Library - 16 Church Street
- ▶ Trompsburg Public Library - 78 Voortrekker Street
- ▶ Lourierpark Public Library - Cnr Doringklaat & Nanabessie Streets

Four additional public locations were identified for posting site notices:

- ▶ Gariep Inn near Gariepdam.
- ▶ Kuilfontein Farm Stall near Springfontein.
- ▶ Engen fuel station near Springfontein.
- ▶ OVK Trade in Trompsburg.

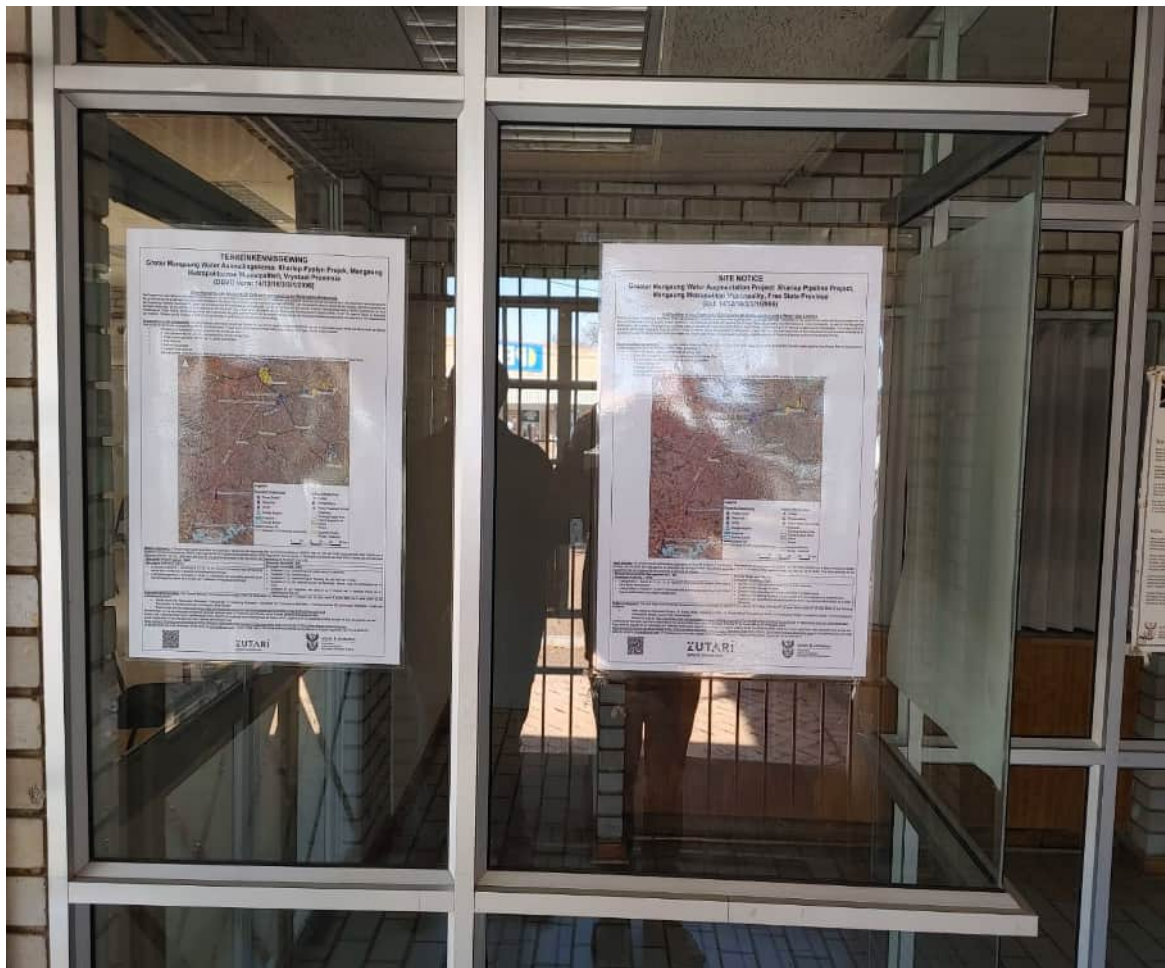
**Table 1 Site notices**

|   |
|---|
| <b>Gariepdam library - 11 Patrys Street</b> |
|---|



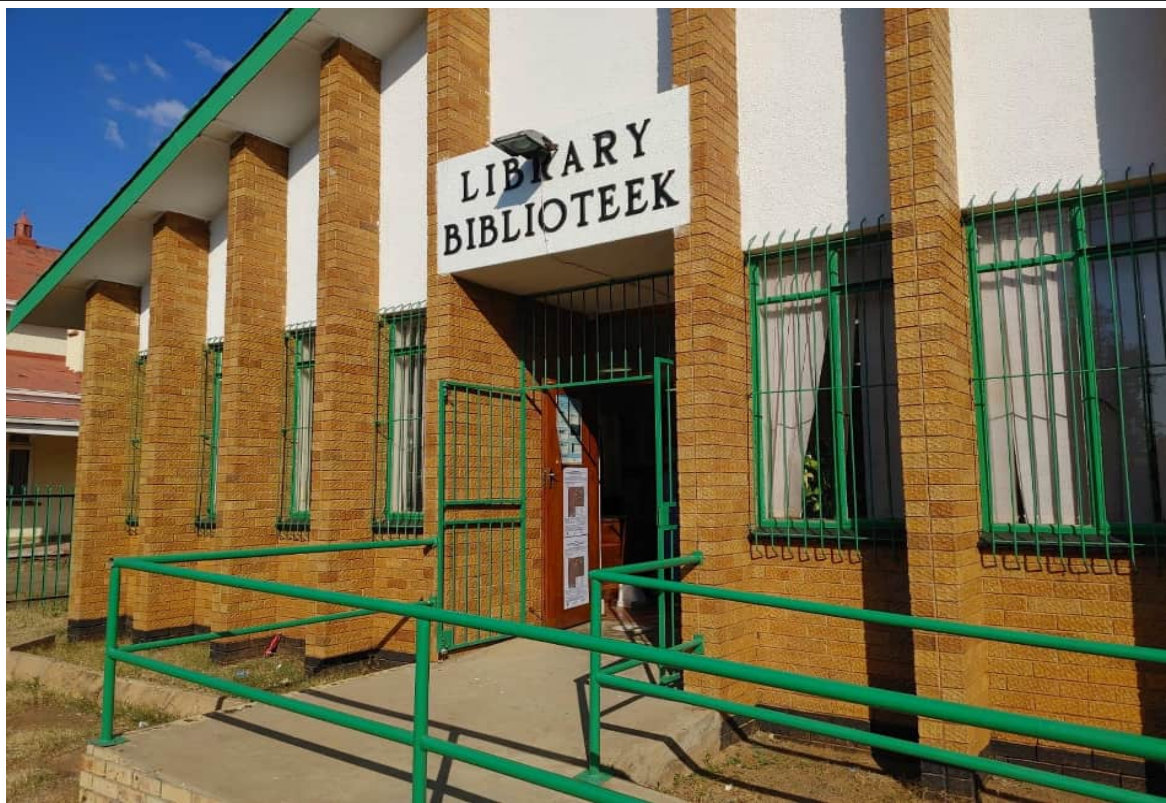
**Trompsburg library -78 Voortrekker Street**





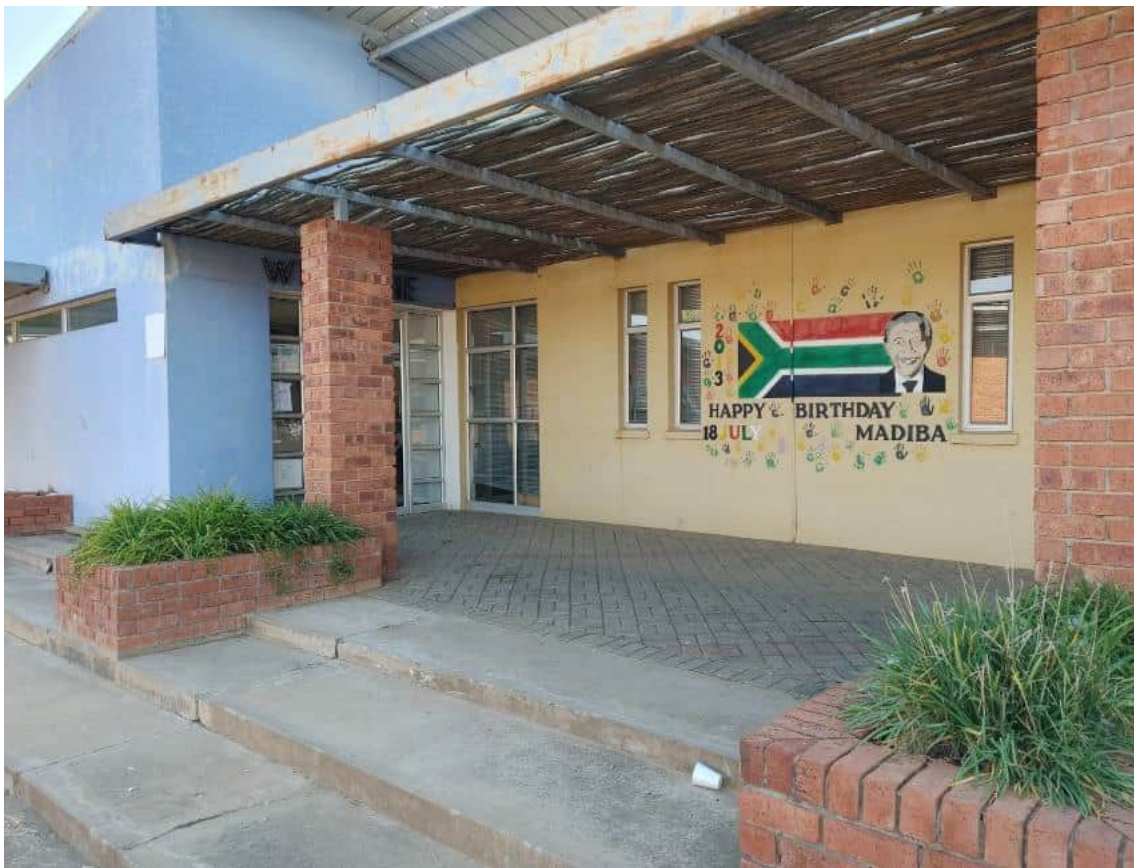
Edenburg library - 16 Church Street





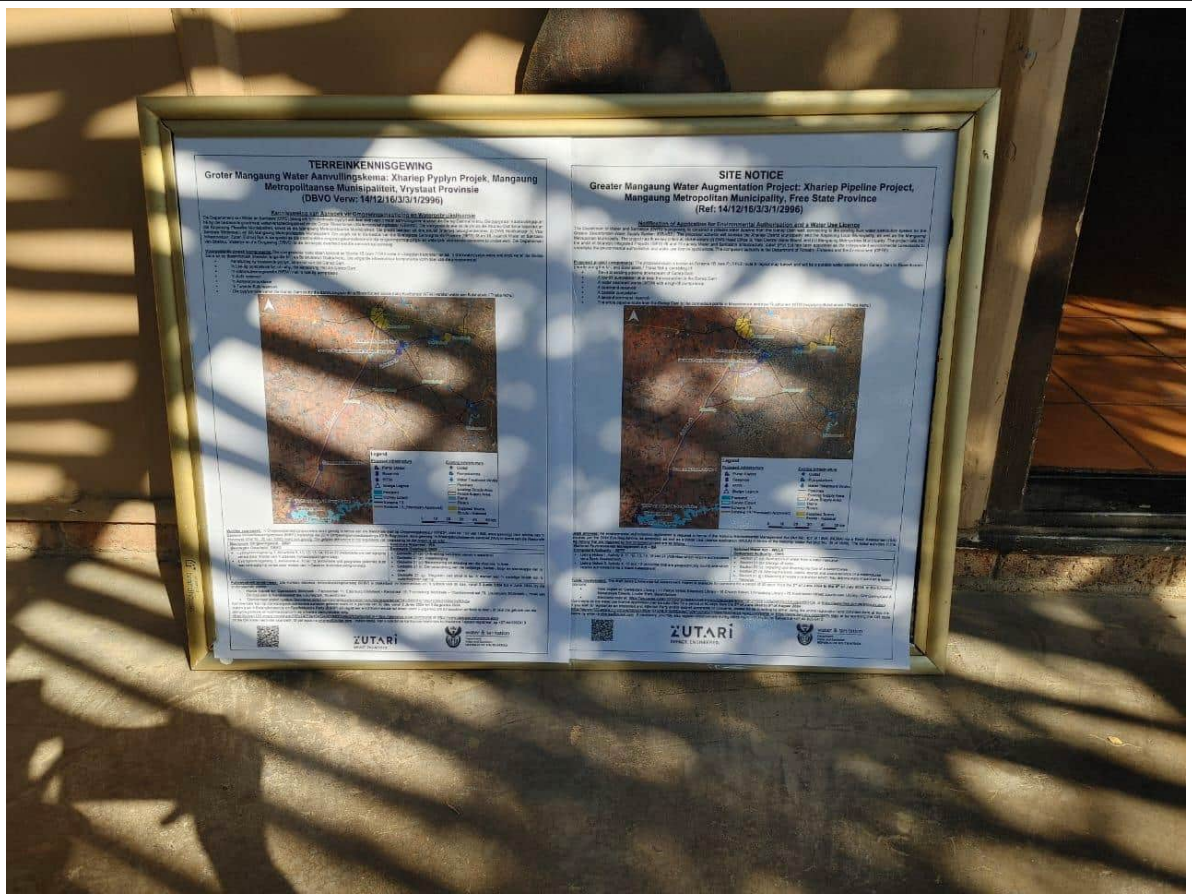
**Lourier Park library - Cnr Doringklaat & Nanabessie Streets**





**Gariep Inn near Gariepdam.**





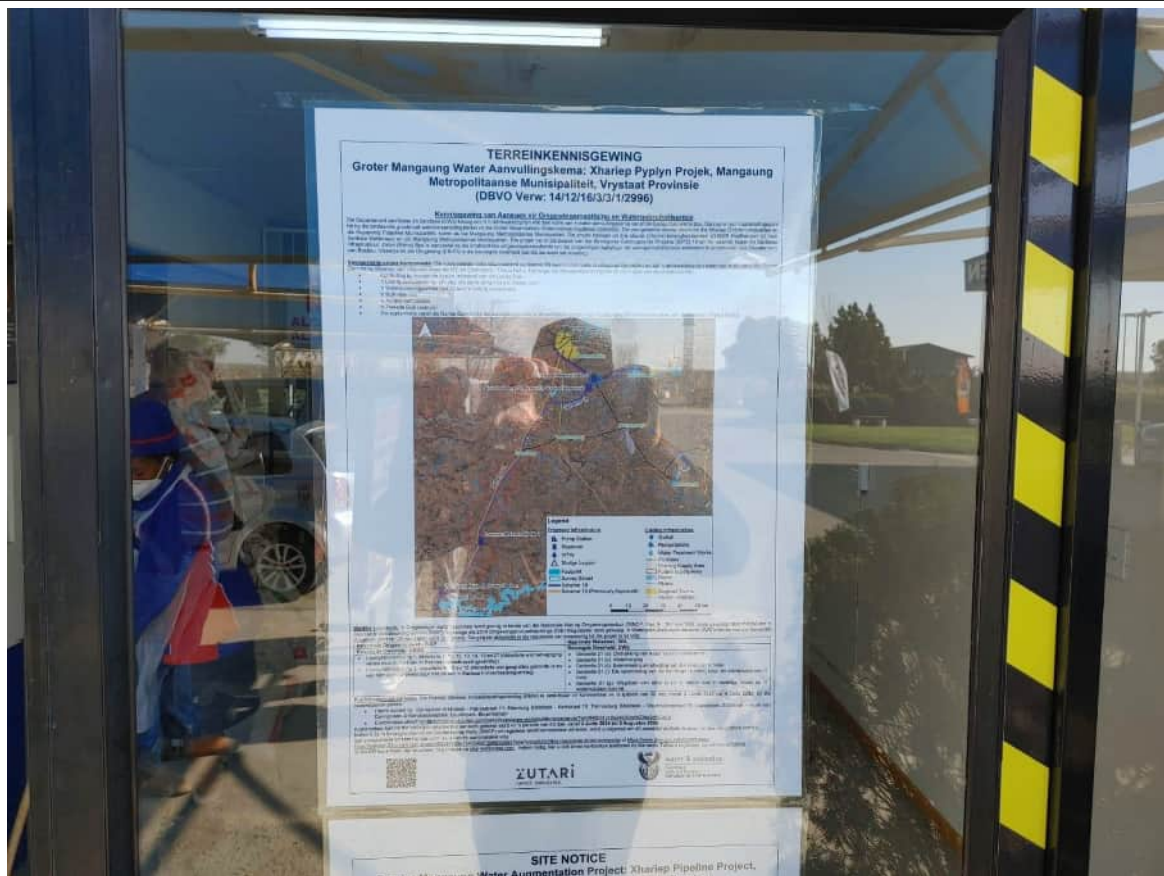
**Kuilfontein Farm Stall near Springfontein**



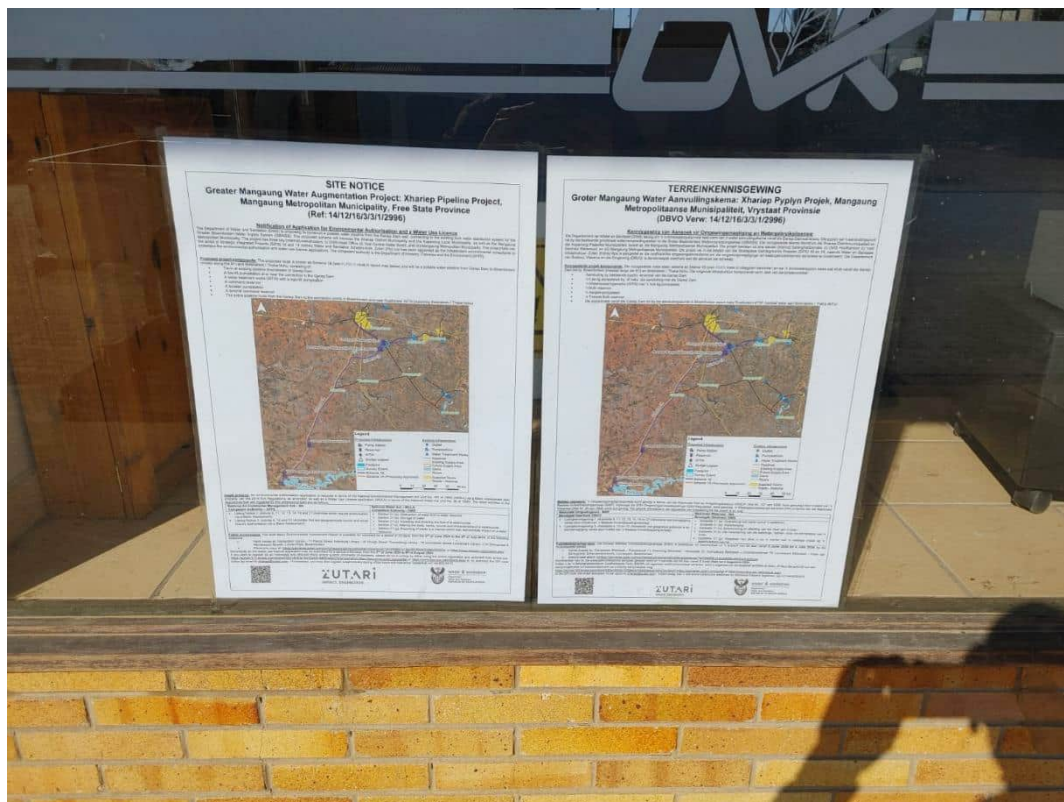


**Engen fuel station near Springfontein.**

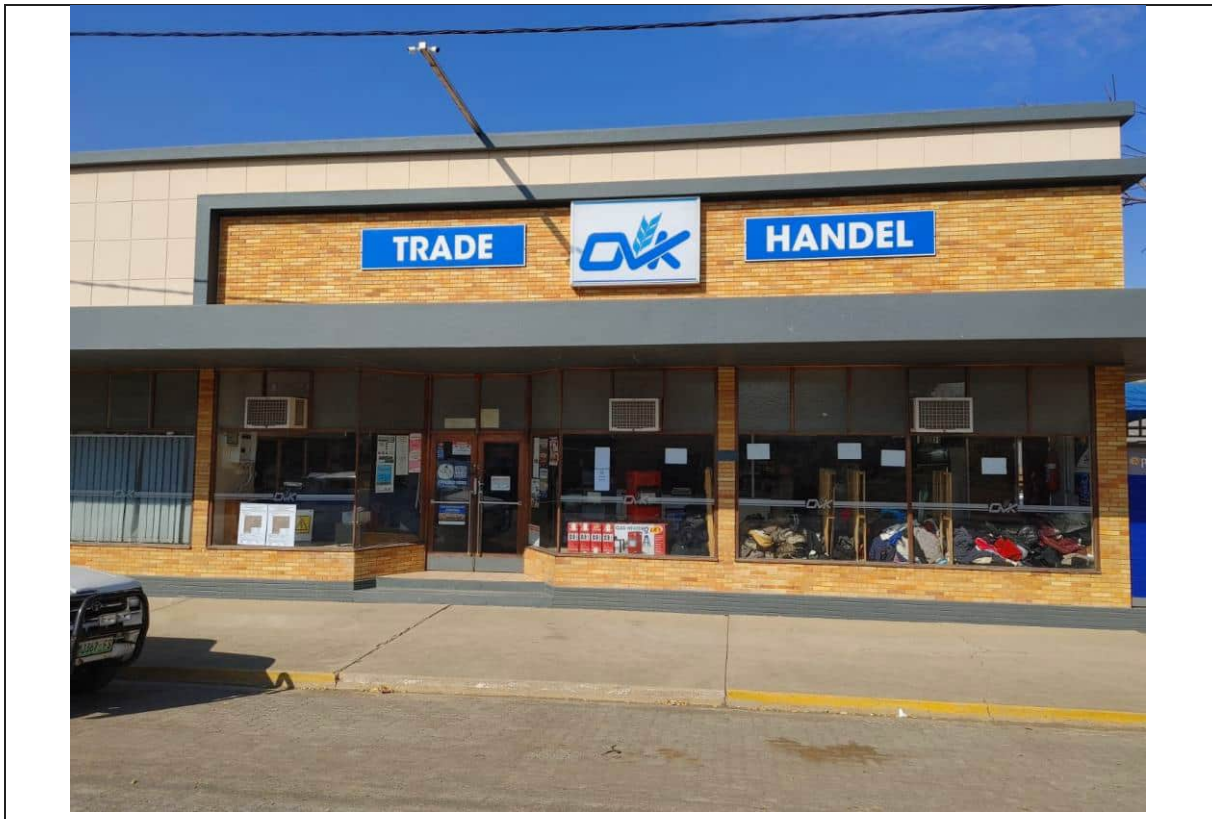




OVK Trade in Trompsburg







### 2.1.3 Hard copies of draft BAR

Four hard copies have been made available at the following locations: (i) Gariep Dam, (ii) Trompsburg, (iii) Edenburg and (iv) Bloemfontein.

Addresses are below and proof are recorded in Table 2.

**Refer to Annexure 4 for the transmittal notes.**

- ▶ Gariepdam Public Library - 11 Patrys Street
- ▶ Edenburg Public Library - 16 Church Street
- ▶ Trompsburg Public Library - 78 Voortrekker Street
- ▶ Lourierpark Public Library - Cnr Doringklaat & Nanabessie Streets

Table 2 Hard copies of draft BAR

Gariepdam library - 11 Patrys Street



# Trompsburg library -78 Voortrekker Street





Edenburg library - 16 Church Street





Lourier Park library - Cnr Doringklaat & Nanabessie Streets



## 2.1.4 Background information documents

A Background Information Document (BID) was sent out to all I&APs who were on the previous I&AP list, as obtained from GladAfrica (previous consultants), as well as to newly identified I&APs, hand delivered (where possible) to landowners along the proposed pipeline route and placed along with the draft BAR hard copies in the four identified public libraries as listed below.

**Refer to Annexure 5 for the BID.**

## 2.1.5 Web uploads

### 2.1.5.1 DWS

The draft BAR and annexures have been published on the DWS website for the full 30-day PP period at the link below:

<https://www.dws.gov.za/projects.aspx>



**Figure 1: DWS Website**

### 2.1.5.2 Zutari

The draft BAR and annexures have been published on the Zutari website for the full 30-day PP period at the link below

<https://geoverse.zutari.com/portal/apps/experiencebuilder/experience/?id=2f48681c19a24836bcfc03da3c653c3a>

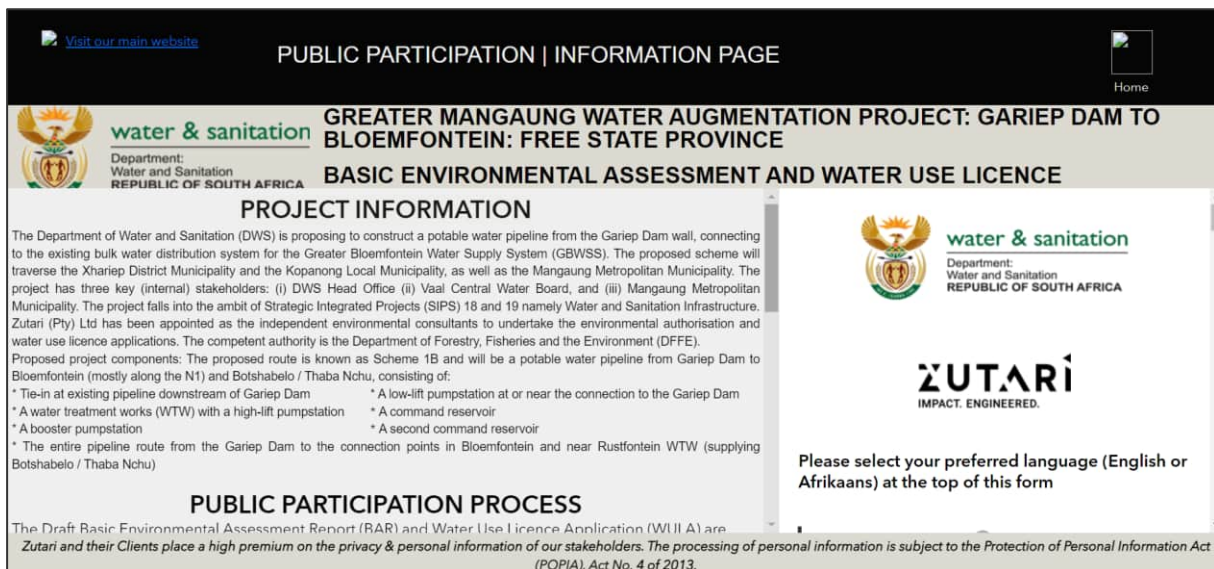


Figure 2: DWS Website

### 2.1.5.3 SAHRIS

The appointed Heriatge specialist created a SAHRIS case for the Xhariep pipeline project and loaded the relevant documents. The case has been submitted to SAHRA. The case number is 22474.

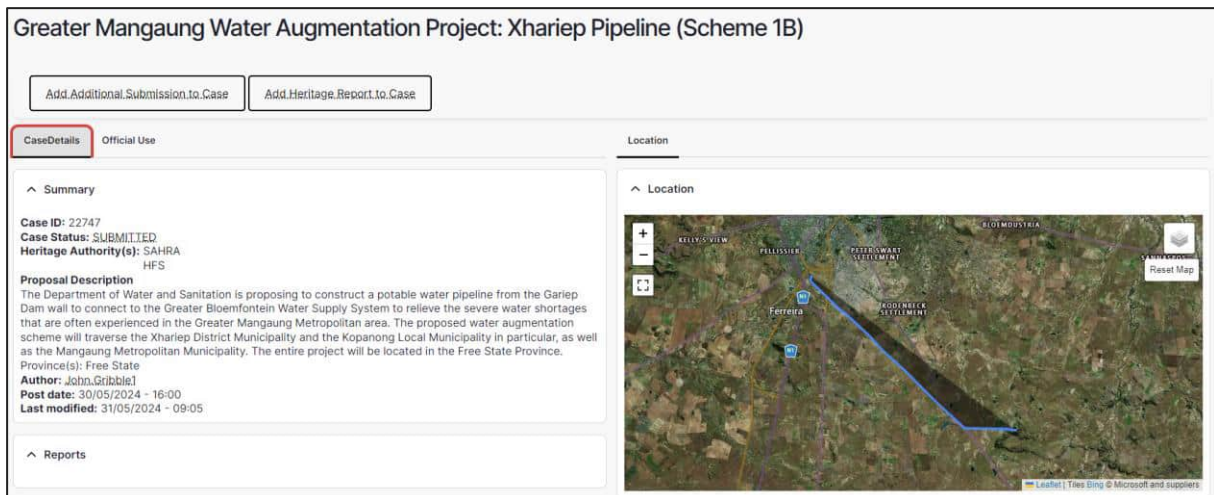


Figure 3: SAHRIS Website: ID 22474

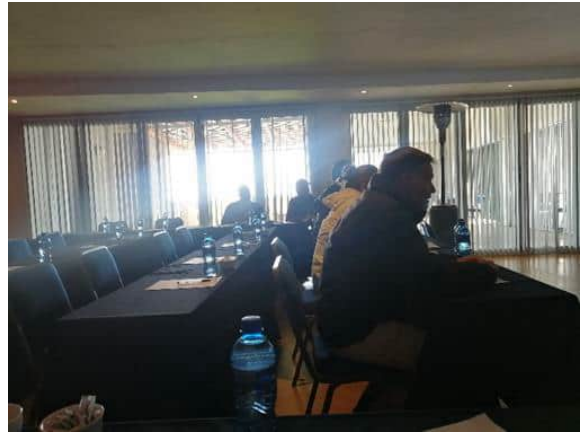
### 2.1.6 Engagement meetings

Three engagements took place at Gariep Dam, Trompsburg and Bloemfontein on 11 June 2024 at the following times and venues:

- Gariep Dam: 08:30 to 10:30: de Stijl Gariep Hotel, 2 Aasvoel Street
- Trompsburg: 12:30 to 15:00: Trompsburg Primary School (Kuier & Klets Sentrum), 392 Wessels Street
- Bloemfontein: 18:00 to 20:30: Protea Hotel by Marriott Bloemfontein Willow Lake, 101 Henry Street, Willows



**Public Engagement Photos – Gariep Dam Venue**



**Public Engagement Photos – Trompsburg Venue**



**Public Engagement Photos – Bloemfontein Venue**



Refer to Annexure 6 for the invitation to the engagement meeting, Annexure 7 for the presentation and Annexures 8.1-8.3 for the attendance registers.




















### 3 Comments and Response Report




















All comments received during the 30-day comment period have been captured in the Comments and Response Report (CRR). All original emails and responses have been captured as well to inform the decision-making.

**Refer to Annexure C.2 to the final BAR for the CRR**

**Refer to Appendices 9.1-9.30 for all original comments (Entry) received and responses to these comments.**

#### **Summary of Appendices to the Public Participation Report**

-  APPENDIX 1\_DFFE Meeting Minutes.pdf
-  APPENDIX 2.1\_Xhariep email notification & addresses proof.pdf
-  APPENDIX 2.2\_Xhariep Reminder Email Notifications & Email Addresses Proof.pdf
-  APPENDIX 3.1\_Zutari - CP page -02 JUN 2024.pdf
-  APPENDIX 3.2\_Zutari - Rapport page - 02 June 2024.pdf
-  APPENDIX 4\_PPP\_Libraries Transmittals.pdf
-  APPENDIX 5\_Background Information Document\_Xariep\_Final.pdf
-  APPENDIX 6\_Email Meeting Invite.pdf
-  APPENDIX 7\_Xhariep Pipeline\_PPP\_Presentation.pdf
-  APPENDIX 8.1\_Attendance Register \_ 11.06.2024 \_ Bloemfontein.pdf
-  APPENDIX 8.2\_Attendance Register \_ 11.06.2024 \_ Gariep Dam.pdf
-  APPENDIX 8.3\_Attendance Register \_ 11.06.2024 \_ Trompsburg.pdf
-  Appendix 9.1 \_ CRR Entry 1 - Tshiamo Malatji.pdf
-  Appendix 9.2 \_ CRR Entry 2 \_ Pedre Kruger.pdf
-  Appendix 9.3 \_ CRR Entry 3 \_ Canny Mothapo.pdf
-  Appendix 9.4 \_ CRR Entry 4 \_ Chris Richter.pdf
-  Appendix 9.5 \_ CRR Entry 5 \_ Chris Richter.pdf
-  Appendix 9.6 \_ CRR Entry 6 \_ Ian McLachlan.pdf
-  Appendix 9.7 \_ CRR Entry 7 \_ DFFE.pdf

 Appendix 9.7 \_ CRR Entry 7 \_ DFFE.pdf  
 Appendix 9.8 \_ CRR Entry 8 \_ SAHRA.pdf  
 Appendix 9.9 \_ CRR Entry 9 \_ UFS - Albie Louw.pdf  
 Appendix 9.10 \_ CRR Entry 10 \_ Gert Nel.pdf  
 Appendix 9.11 \_ CRR Entry 11 \_ Dr Geofre Heyns.pdf  
 Appendix 9.12 \_ CRR Entry 11.1 \_ Dr Geofre Heyns.pdf  
 Appendix 9.13 \_ CRR Entry 11.2 \_ Dr Geofre Heyns.pdf  
 Appendix 9.14 \_ CRR Entry 12 \_ Prof PH Wessels.pdf  
 Appendix 9.15 \_ CRR Entry 13 \_ Jack Morton.pdf  
 Appendix 9.16 \_ CRR Entry 14 - CAA - Canny Mothapo \_ Comment.pdf  
 Appendix 9.17 \_ CRR Entry 15 - CAA - Pamela Madondo.pdf  
 Appendix 9.18 \_ CRR Entry 16 - DALRRD - MJ Tepanyekga \_ Comment.pdf  
 Appendix 9.19 \_ CRR Entry 17 \_ ATNS.pdf  
 Appendix 9.20 \_ CRR Entry 18 \_ ATNS.pdf  
 Appendix 9.21 \_ CRR Entry 19 \_ UFS - Albie Louw.pdf  
 Appendix 9.22 \_ CRR Entry 20 \_ DFFE.pdf  
 Appendix 9.23 \_ CRR Entry 21 \_ DFFE \_ Ephron Maradwa.pdf  
 Appendix 9.24 \_ CRR Entry 22 \_ SANRAL \_ Nicole Abrahams.pdf  
 Appendix 9.25 \_ CRR Entry 23 \_ Van Heerden.pdf

 Appendix 9.25 \_ CRR Entry 23 \_ Van Heerden.pdf  
 Appendix 9.26 \_ CRR Entry 24 \_ DFFE \_ Olivia Letlalo.pdf  
 Appendix 9.27 \_ CRR Entry 25 \_ DFFE \_ Mmatlala Rabothata.pdf  
 Appendix 9.28 \_ CRR Entry 26 \_ DFFE \_ Thembisile Mnisi.pdf  
 Appendix 9.29 \_ CRR GEOTECH Entry 1 \_ Phakamile Jonas.pdf  
 Appendix 9.30 \_ CRR GEOTECH Entry 2 \_ Hennie Mellet.pdf



In diversity there is beauty and  
there is strength.

MAYA ANGELOU

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# 1 APPENDICES

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**Appendix 2.1: Xariep Email Notification**  
**Appendix 2.2: Email Reminder**  
**Appendix 3.1: Advert (City Press)**  
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# APPENDIX 1: DFFE MEETING MINUTES



# XHARIEP PIPELINE FEASIBILITY STUDY (WP11405)

## MEETING BETWEEN THE DEPARTMENT OF WATER AND SANITATION (DWS), DEPARTMENT OF FORESTRY, FISHERIES AND ENVIRONMENT (DFFE) AND ZUTARI

|                       |                         |               |                 |
|-----------------------|-------------------------|---------------|-----------------|
| <b>Date and Time:</b> | 07 November 2023, 10:00 | <b>Venue:</b> | Virtual (Teams) |
|-----------------------|-------------------------|---------------|-----------------|

### 1. Attendance

| Name                | Initials | Entity/Position  | Email                         | Telephone    |
|---------------------|----------|--|-------------------------------|--------------|
| Mahlatse Shubane    | MS       | DFFE: Chief Directorate: Integrated Environmental Authorisations | mshubane@dffe.gov.za          | 012 399 9417 |
| Mmatlala Rabothata  | MR       | DFFE: Chief Directorate: Integrated Environmental Authorisations | mrabothata@dffe.gov.za        | 012 399 9174 |
| Olivia Letlalo      | OL       | DFFE: Chief Directorate: Integrated Environmental Authorisations | oletlalo@dffe.gov.za          | 012 399 8815 |
| Thembisile Mnisi    | TM       | DFFE: Chief Directorate: Integrated Environmental Authorisations | tmnisi@dffe.gov.za            | 012 399 8838 |
| Makhosi Yeni        | MY       | DFFE: Chief Directorate: Integrated Environmental Authorisations | myeni@dffe.gov.za             | 012 399 9400 |
| Chrissie Fourie     | CF       | DWS: Directorate: Water Resource Development Planning            | fouriec@dws.gov.za            | 082 809 2355 |
| Dr Menard Mugumo    | MM       | DWS: Directorate: Water Resource Development Planning            | mugumom@dws.gov.za            | 082 804 5162 |
| Sanet van Jaarsveld | SvJ      | DWS: Directorate: Water Resource Development Planning            | vanjaarsvelds@dws.gov.za      | 079 510 8523 |
| Stephan Kleynhans   | SK       | Zutari   | stephan.kleynhans@zutari.com  | 083 293 5716 |
| Frankie A'Bear      | FAB      | Zutari   | frankie.abear@zutari.com      | 021 526 6025 |
| Corlie Steyn        | CS       | Zutari   | corlie.steyn@zutari.com       | 044 805 5421 |
| Jarryd Finkelstein  | JF       | Zutari   | jarryd.finkelstein@zutari.com | 072 567 3371 |
| Wynand Loftus       | WL       | Zutari   | wynand.loftus@zutari.com      | 072 354 2607 |

### 2. Apologies

| Name            | Initials | Entity/Position  | Email                   | Telephone |
|-----------------|----------|--|-------------------------|-----------|
| Kevin Methebula | KM       | DFFE: Chief Directorate: Integrated Environmental Authorisations | klmathebula@dffe.gov.za |           |

### 3. Matters and Actions

| No | Item   | Action |
|----|--|--------|
| 1  | <b>Agenda, welcome and introductions</b> <ul style="list-style-type: none"><li>WL welcomed everyone and asked attendees to introduce themselves.</li><li>WL went through the agenda of the meeting:<ul style="list-style-type: none"><li>Agenda, welcome and introductions</li><li>Overview of the project</li><li>Confirmation of the Competent Authority</li><li>Listed Activities and proposed specialists (DFFE Screening Tool)</li><li>Proposed Public Participation Plan</li></ul></li></ul> |        |

| No         | Item   | Action |
|------------|--|--------|
|            | <ul style="list-style-type: none"> <li>Any other matters</li> <li>Way forward</li> </ul> <p>► WL then asked SvJ to introduce the project.</p> <p>► SvJ introduced the project and explained that there was a previous Environmental Authorisation (EA) completed by Mangaung Metropolitan Municipality (MMM) but that has lapsed. DWS took over the implementation of the project and would like to understand the process for application and if information can be used from the previous application.</p> <p>► MS asked to share reference number.</p> <ul style="list-style-type: none"> <li>WL responded that the EA was not issued by DFFE and MS confirmed that a reference number is not required.</li> </ul> <p>► OL asked:</p> <ul style="list-style-type: none"> <li>When was the EA issued? <ul style="list-style-type: none"> <li>SK noted that it was issued in 2018 and shared further details in the presentation.</li> </ul> </li> <li>Why was it issued by the province and why come to DFFE now? <ul style="list-style-type: none"> <li>WL noted that the applicant has changed.</li> </ul> </li> <li>Is it the same project? <ul style="list-style-type: none"> <li>SK noted that the same pipeline alignment will be followed but explained that there are small changes to the project scope, including the infrastructure size.</li> </ul> </li> </ul>  |        |
| <b>2.</b>  | <b>OVERVIEW OF THE PROJECT</b>   |        |
| <b>2.1</b> | <p><b>Location, Applicant and need for the project</b></p> <p><i>The Department of Water and Sanitation (DWS) is proposing to construct a potable or raw water pipeline from the Gariep Dam wall to the Greater Bloemfontein Water Supply System (GBWSS) to relieve the severe water shortages that are often experienced in the Greater Mangaung area.</i></p> <p><i>The proposed water augmentation scheme will traverse the Xhariep District Municipality (XDM) and the Kopanong Local Municipality (KLM) in particular, as well as the MMM. The entire project will be in the Free State Province.</i></p> <p>► WL started the presentation.</p> <p>► SK expanded on the project overview. It is a similar project to MMM, but the DWS scope is for a longer planning horizon, different infrastructure sizing and an additional route. The project entails abstracting water out of the Gariep Dam and transfer the water into the supply region of GBWSS. There are essentially four schemes:</p> <ul style="list-style-type: none"> <li>Scheme 1: Gariep Dam to Bloemfontein (potable water)</li> <li>Scheme 2: Gariep Dam to Novo Outfall (raw water)</li> <li>Scheme 3: Gariep Dam to Knellpoort Dam (raw water)</li> <li>Scheme 4: Gariep Dam to Rustfontein Dam (raw water)</li> </ul> <p>► Main components;</p> <ul style="list-style-type: none"> <li>Raw water abstraction and pumping,</li> <li>Water treatment,</li> <li>Transfer to MMM and other towns along route,</li> <li>Terminal storage,</li> <li>Connection into existing bulk distribution infrastructure, and</li> <li>Support services that include power supply and access roads.</li> </ul> <p>► SK opened the floor for comments or questions on the scope of the project.</p> <ul style="list-style-type: none"> <li>MS asked if a WUL be required. <ul style="list-style-type: none"> <li>WL responded that there is a WULA that will be undertaken for the project and is part of the scope of this project.</li> <li>SK confirmed that the project team met with DWS Free State. An institutional study is also included in the study to understand which institutional body should own and operate the infrastructure. The DWS Free State officials confirmed that the WUL applicant must be the institution that will be the owner of the infrastructure.</li> </ul> </li> <li>OL asked whether all four schemes will be included in the assessment:</li> </ul> |        |





| No  | Item   | Action                      |
|-----|--|-----------------------------|
|     | (2) The Minister must be identified as the competent authority in terms of subsection (1), unless otherwise agreed to in terms of section 24C (3), if the activity-<br>(d) is undertaken, or is to be undertaken, by-<br>(i) a national department.  |                             |
| 4   | <b>LISTED ACTIVITIES</b>   |                             |
| 4.1 | <p><b>Listed activities identified as applicable to the project and presented:</b></p> <ul style="list-style-type: none"> <li>▶ Listing Notice 1 of the EIA Regulations, 2014 as amended: 9, 11, 12,13, 14, 19 and 27</li> <li>▶ Listing Notice 2 of the EIA Regulations, 2014 as amended: 4, 9 , 11, 15 (considered but not listed)</li> <li>▶ Listing Notice 3 of the EIA Regulations, 2014 as amended: 4, 10, 12</li> </ul> <p>Please see presentation attached for the listed activities and descriptions.</p> <ul style="list-style-type: none"> <li>▶ TM requested that in the application the sub-activity is indicated for all applicable activities.</li> <li>▶ MS suggested that the listed activities must be clear, avoid words such as “likely to be”. Additionally the units used in the description must correlate to the units used in the activity. WL noted the comment.</li> </ul>  | <p>Zutari</p> <p>Zutari</p> |
| 4.2 | <p><b>Identified and presented specialist studies that will need to be conducted during the EIA process:</b></p> <ul style="list-style-type: none"> <li>▶ DFFE Screening tool lists the following studies for all the schemes. <ul style="list-style-type: none"> <li>• Agriculture</li> <li>• Animals</li> <li>• Aquatic Biodiversity</li> <li>• Archaeological and Heritage</li> <li>• Geotechnical</li> <li>• Socio Economic</li> <li>• Palaeontology</li> <li>• Plants</li> <li>• Terrestrial Biodiversity</li> </ul> </li> <li>▶ WL confirmed that Zutari has identified the project requires a Basic Assessment.</li> <li>▶ Zutari will determine the required study locations and necessary statements.</li> </ul>  | <p>Zutari</p>               |
| 5   | <p><b>PUBLIC PARTICIPATION</b></p> <p>WL presented the following:</p> <p><i>The availability of the Scoping Report for comment will be announced by way of:</i></p> <ul style="list-style-type: none"> <li>▶ <i>A four-page background information document (BID) that will be distributed to all stakeholders on the database, with a comment and registration sheet attached.</i></li> <li>▶ <i>Site notices will be erected at strategic places in the project area.</i></li> <li>▶ <i>A statutory media advertisement will be placed in a national and a regional newspaper widely read along the pipeline route, while placement in a representative regional/local newspaper may be considered.</i></li> </ul> <p><i>The BID, advertisement and site notices will also contain information on the IWULA, and any other regulatory requirements.</i></p> <p><i>The same process, as described for the scoping phase will be followed in the EIA phase. During these three public meetings and two authority feedback sessions, the findings of the specialist studies and their proposed mitigation measures will be presented to stakeholders to determine whether their concerns have been considered. During the EIA comment period, the EMP will also be made available for comment by stakeholders.</i></p> <p><b>EIA:</b> <i>The PPP is an essential and regulatory requirement for an environmental authorisation process, and is guided by Regulations under the NEMA, specifically the EIA Regulations (GN R982) (NEMA).</i></p> <p><b>WULA:</b> <i>PPP will be conducted as per the requirements of The National Water Act (NWA) (Act No 36 of 1998).</i></p> <p><b>Borrow Pits:</b> <i>PPP will be conducted as per the requirements of the MPRDA if required.</i></p> |                             |

| No | Item  | Action   |
|----|---|--|
| 6  | <p><b>ANY OTHER MATTERS</b></p> <p>To conclude the presentation WL asked the following:</p> <ul style="list-style-type: none"> <li>▶ Zutari need to do pre-application PPP. Is this necessary? <ul style="list-style-type: none"> <li>• There has been a previous PPP completed as part of the previous EA. Zutari will complete a Background Information Document to provide the I&amp;APs with the explanation of why the same project is going through another environmental process but with a different client and different competent authority.</li> </ul> </li> <li>▶ Other authorisations: WULA and possible borrow pit application(s). Zutari will do the WULA process as agreed with DWS.</li> <li>▶ EMPr: Does Zutari need to submit a final EMPr with the final report (BAR or EIA) as per new legislation? <ul style="list-style-type: none"> <li>• OL confirms that the project team must submit the final EMPr with the final layout.</li> </ul> </li> <li>▶ Will Zutari need to submit consent forms for the linear pipeline (latest DFFE consent template) for both the preferred scheme as well as a possible alternative? <ul style="list-style-type: none"> <li>• CS confirmed for BAR process, the consent forms for the linear activity are not needed, only for the treatment works, pump stations, etc.</li> <li>• CS noted that consent forms will likely be required for the WUL application. SvJ and MM confirmed that this discussion will be taken up with DWS Regional.</li> </ul> </li> </ul> | <p>Zutari</p> <p>Zutari</p> <p>Zutari</p> <p>DWS</p> |
| 7  | <p><b>WAY FOWARD</b></p> <ul style="list-style-type: none"> <li>▶ WL asked attendees for their view on whether it should be an EIA or BAR process. <ul style="list-style-type: none"> <li>• OL said that they cannot confirm the process of the listed activities and specialist studies as this is the applicant's duty.</li> <li>• MS reiterated OL comments saying that the screening tool is there to guide.</li> </ul> </li> <li>▶ WL confirmed that Zutari will do a thorough site sensitivity verification report as per the protocols and either confirm or dispute the sensitivity.</li> </ul>   | <p>WL</p>  |
| 8  | <p><b>CLOSING</b></p> <ul style="list-style-type: none"> <li>▶ WL thanked all attendees for their attendance.</li> <li>▶ OL added that if this project is considered a Strategic Infrastructure Project (SIP) to ensure a confirmation letter from Infrastructure South Africa is submitted with the application form. She noted that for SIPs the final decision must be made within 57 days. Additionally, she requested that the draft report must be submitted to Biodiversity for comments.</li> <li>▶ WL will send through the minutes for acceptance.</li> <li>▶ SvJ thanked the DFFE officials for their time and guidance.</li> </ul>  | <p>Zutari</p>  |

Approved by:

*S van Jaarsveld*

**Ms S van Jaarsveld**

Department of Water and Sanitation  
Directorate: Water Resource Development  
Planning

Date: 10/01/2024

*O Letlalo*

**Ms O Letlalo**

Department of Forestry, Fisheries and the  
Environment  
Chief Directorate: Integrated Environmental  
Authorisations

Date: 10/01/2024



Greater Mangaung Water Augmentation  
Project: Xhariep Pipeline, Mangaung  
Metropolitan Municipality, Free State

Pre-application meeting  
November 2023



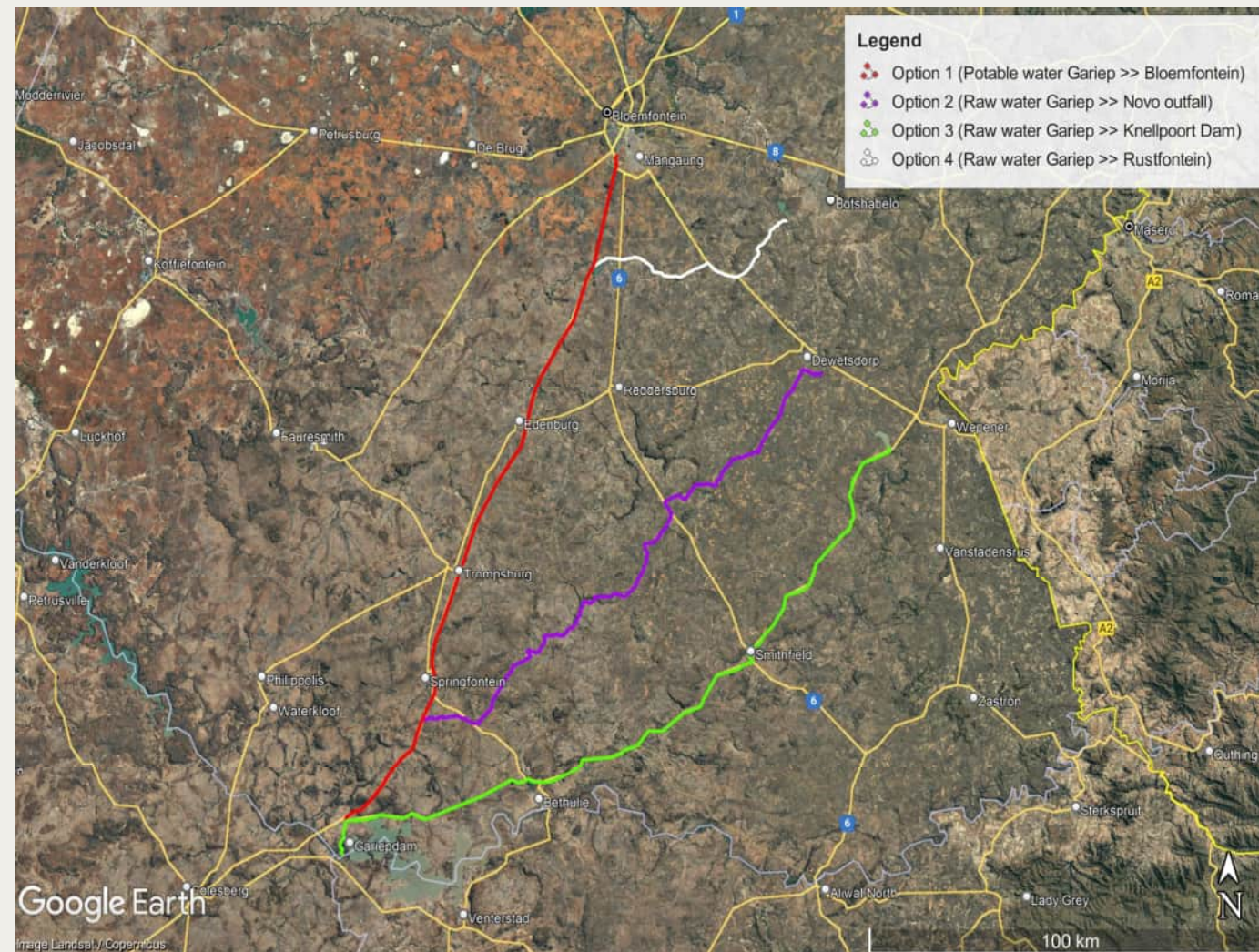
# 1. AGENDA

1. Agenda, welcome and introductions
2. Overview of the project
3. Confirmation of the Competent Authority
4. Listed Activities and proposed specialists (DFFE Screening Tool)
5. Proposed Public Participation
6. Any other matters
7. Way forward

## 2. OVERVIEW

### Location, Applicant and need for the project:

The Department of Water and Sanitation (DWS) is proposing to construct a potable or raw water pipeline from the Gariep Dam wall to the Bloemfontein surrounding area to relieve the severe water shortages that are often experienced in the Greater Mangaung Metropolitan area. The proposed water augmentation scheme will traverse the Xhariep District Municipality (XDM) and the Kopanong Local Municipality (KLM) in particular, as well as the Mangaung Metropolitan Municipality (MMM). The entire project will be located in the Free State Province.



## 2. OVERVIEW (CONT.)

### Previous Authorisation:

An Environmental Authorisation (EA) was signed and authorised by the Department of Economic, Small Business Development, Tourism and Environmental Affairs (DESTEA) on 07 July 2018 in terms of the NEMA Regulations of 2014 (as amended). Condition 1.6 stipulates: *If commencement of the activity does not occur within a period of 3 (three) years from the date of issue, the Authorisation lapses, and a new application for and EA must be made. The applicant was the Manguang Metropolitan Municipality.*

The EA lapsed, and a new process is underway (this pre-application phase).

Department of Economic, Small Business Development, Tourism and Environmental Affairs, Environmental Authorisation  
File Reference Number: EMB/9(i)(i), 12(ii)(a)(b)(c), 13, 14, 19, 27, 4(b)(i)(cc)(ee)(gg), 10(b)(i)(cc)(ee)(gg)(hh), 12(b)(i)(ii)(iv)/17/29

 **destea**  
Department of  
economic, small business development,  
tourism and environmental affairs  
FREE STATE PROVINCE

Environmental Authorisation

|                                       |  |
|---------------------------------------|--|
| <b>Authorisation register number:</b> | EMB/9 (i) (ii), 12 (ii) (a) (b) (c), 13, 14, 19, 27, 4 (b) (i) (cc) (ee) (gg) , 10 (b) (i) (cc) (ee) (gg) (hh), 12 (b) (i) (ii) (iv)/17/29   |
| <b>Holder of Authorisation:</b>       | Mangaung Metropolitan Municipality   |
| <b>Location of activity:</b>          | Gariep dam wall to Longridge reservoir in Bloemfontein   |
| <b>Project description:</b>           | Activity 9 (i) (ii), 12(ii) (a) (b) (c), 13, 14, 19, 27, 4(b) (i) (cc) (ee) (gg), 10(b) (i) (cc) (ee) (gg) (hh), 12(b) (i) (ii) (iv) of Listing Notice 1<br><br>Proposed Gariep to Mangaung water augmentation project |

**HEAD OF DEPARTMENT**  
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& Tourism Environmental Affairs  
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Page 1 of 15



## 2. OVERVIEW (CONT.)

The Greater Mangaung Water Augmentation Project: Xhariep Pipeline (herein after referred to as the Xhariep Pipeline) comprises a bulk water transfer system that will transfer potable or raw water from the Gariep dam to the Bloemfontein surrounding area. The components will *inter alia* include:

- (i) raw water abstraction and pumping,
- (ii) potable water treatment,
- (iii) transfer of water,
- (iv) terminal storage, and
- (v) connection to Bloemfontein's reticulation system.

The proposed Xhariep project will involve abstraction at the Gariep dam through the existing abstraction point, a raw water pumping station, and transfer pipelines to a water treatment works (WTW) located at a suitable site near the Gariep dam. Four pipeline routes or options are proposed to feed potable / raw water to infrastructure that service the Bloemfontein surround area. Support services for bulk power and communication need to be provided.

### 3. COMPETENT AUTHORITY

Confirmation that the Department: Forestry, Fisheries, and the Environment (DFFE) is the competent authority

The applicant is the Department of Water and Sanitation (DWS) Head Office.

According to NEMA 24C (2) (d):

24C Procedure for identifying competent authority

*(2) The Minister must be identified as the competent authority in terms of subsection (1), unless otherwise agreed to in terms of section 24C (3), if the activity-*

*(d) is undertaken, or is to be undertaken, by-*

*(i) a national department.*

## 4.1 LISTED ACTIVITIES

### Listing Notice 1 of the EIA Regulations, 2014 as amended

| Activity No | Relevant Listed Activity  | Description  |
|-------------|---|--|
| 9           | <p>The development of infrastructure exceeding 1 000 metres in length for the bulk transportation of water or storm water—</p> <p>(i) with an internal diameter of 0,36 metres or more; or</p> <p>(ii) with a peak throughput of 120 litres per second or more;</p>   | <p>Diameter 1-2 range, The expected flow will be a minimum of 60 million m<sup>3</sup>/a (≈1.9kl/s)</p> <p>The proposed project entails the construction of a potable water pipeline of approximately 185 km with an internal diameter of approximately 1400mm. (<i>Possibly listed</i>)</p> |
| 11          | <p>The development of facilities or infrastructure for the transmission and distribution of electricity—</p> <p>(i) outside urban areas or industrial complexes with a capacity of more than 33 but less than 275 kilovolts; or</p> <p>(ii) inside urban areas or industrial complexes with a capacity of 275 kilovolts or more;</p> <p>excluding the development of bypass infrastructure for the transmission and distribution of electricity where such bypass infrastructure is —</p> <p>(a) temporarily required to allow for maintenance of existing infrastructure;</p> <p>(b) 2 kilometres or shorter in length;</p> <p>(c) within an existing transmission line servitude; and</p> <p>will be removed within 18 months of the commencement of development.</p> | <p>A new substation will be required, likely to be 33kV, and will not exceed 275kV. (<i>Possibly listed</i>)</p>   |



## 4.1 LISTED ACTIVITIES

### Listing Notice 1 of the EIA Regulations, 2014

| Activity No | Relevant Listed Activity  | Description  |
|-------------|---|--|
| 12          | <p>The development of—</p> <p>(i) dams or weirs, where the dam or weir, including infrastructure and water surface area, exceeds 100 square metres; or</p> <p>(ii) infrastructure or structures with a physical footprint of 100 square metres or more; where such development occurs—</p> <p>(a) within a watercourse;</p> <p>(b) in front of a development setback; or</p> <p>(c) if no development setback exists, within 32 metres of a watercourse, measured from the edge of a watercourse.</p> | <p>The physical footprint at the crossing of the river may be 100 square metres or more possibly at the Riet River and Kaal spruit. (<i>Possibly listed</i>)</p>       |
| 13          | <p>The development of facilities or infrastructure for the off-stream storage of water, including dams and reservoirs, with a combined capacity of 50 000 cubic metres or more, unless such storage falls within the ambit of activity 16 in Listing Notice 2 of 2014</p>   | <p>A new ±10 MI balancing reservoir will be constructed along the route with a booster pump station (footprint likely to be 250m x 150m). (<i>Possibly listed</i>)</p> |

## 4.1 LISTED ACTIVITIES (CONT.)

### Listing Notice 1 of the EIA Regulations, 2014 as amended

| Activity No | Relevant Listed activity  | Description  |
|-------------|---|--|
| 14          | The development and related operation of facilities or infrastructure, for the storage, or for the storage and handling, of a dangerous good, where such storage occurs in containers with a combined capacity of 80 cubic metres or more but not exceeding 500 cubic metres                              | During construction cement and hydrocarbons may be stored in the construction camps, but it has been established that the combined capacity will not exceed 500 cubic metres. At the Water Treatment Works (WTW) on-site chemical storage and volume will depend on the type of treatment required, which is still being investigated though the amount will not exceed 500m <sup>3</sup> . <i>(Possibly listed)</i> |
| 19          | The infilling or depositing of any material of more than 10 cubic metres into, or the dredging, excavation, removal or moving of soil, sand, shells, shell grit, pebbles or rock of more than 10 cubic metres from a watercourse;   | At watercourse crossings (e.g. the Riet River and Kaal Spruit) 10 cubic metres or more of soil, sand, pebbles or rock will be excavated and removed. <i>(Possibly listed)</i>  |
| 27          | The clearance of an area of 1 hectares or more, but less than 20 hectares of indigenous vegetation, except where such clearance of indigenous vegetation is required for—<br>the undertaking of a linear activity; or<br>maintenance purposes undertaken in accordance with a maintenance management plan | The ancillary works (e.g. the WTW near the Gariep Dam wall; the pump stations and the balancing reservoir) at various points along the route that will equate to clearance of approximately 750hectares. <i>(Possibly listed or Listing Notice 2 No 15)</i>  |

## 4.1 LISTED ACTIVITIES (CONT.)

### Listing Notice 2 of the EIA Regulations, 2014 as amended

| Activity No | Relevant Listed Activity  | Description   |
|-------------|---|---|
| 4           | The development and related operation of facilities or infrastructure, for the storage, or storage and handling of a dangerous good, where such storage occurs in containers with a combined capacity of more than 500 cubic metres.  | During construction cement and hydrocarbons may be stored in the construction camps, but it has been established that the combined capacity will not exceed 500 cubic metres. At the Water Treatment Works (WTW) the on-site chemical storage and volume will depend on the type of treatment required, which is still being investigated, though the amount will not exceed 500m <sup>3</sup> . <i>(Not listed as Listing Notice 1 No 14 is possibly listed)</i> |
| 9           | <p>The development of facilities or infrastructure for the transmission and distribution of electricity with a capacity of 275 kilovolts or more, outside an urban area or industrial complex excluding the development of bypass infrastructure for the transmission and distribution of electricity where such bypass infrastructure is —</p> <ul style="list-style-type: none"> <li>(a) temporarily required to allow for maintenance of existing infrastructure;</li> <li>(b) 2 kilometres or shorter in length;</li> <li>(c) within an existing transmission line servitude; and</li> </ul> <p>will be removed within 18 months of the commencement of development</p> | A new substation will be required, likely to be 33kV, and will not exceed 275kV. <i>(Not listed)</i>  |



## 4.1 LISTED ACTIVITIES (CONT.)

### Listing Notice 2 of the EIA Regulations, 2014 as amended

| Activity No | Relevant Listed Activity  | Description  |
|-------------|---|--|
| 11          | <p>The development of facilities or infrastructure for the transfer of 50 000 cubic metres or more water per day, from and to or between any combination of the following —</p> <ul style="list-style-type: none"> <li>(i) water catchments;</li> <li>(ii) water treatment works; or</li> <li>(iii) impoundments;</li> </ul> <p>excluding treatment works where water is to be treated for drinking purposes.</p> | Not listed due the exclusion as the water will be for drinking purposes.   |
| 15          | <p>The clearance of an area of 20 hectares or more of indigenous vegetation, excluding where such clearance of indigenous vegetation is required for—</p> <ul style="list-style-type: none"> <li>(i) <b>the undertaking of a linear activity</b>; or</li> <li>(ii) maintenance purposes undertaken in accordance with a maintenance management plan.</li> </ul>   | The ancillary works (e.g. the WTW near the Gariep Dam wall; the pump stations and the balancing reservoir) at various points along the route that will equate to clearance of approximately 750hectares. <i>(Possibly listed but not likely)</i> |

## 4.1 LISTED ACTIVITIES (CONT.)

### Listing Notice 3 of the EIA Regulations, 2014 as amended

| Activity No | Relevant Listed Activity   | Description  |
|-------------|--|--|
| 2           | <p>The development of reservoirs, excluding dams, with a capacity of more than 250 cubic metres.</p> <p>b. Free State</p> <p>i. Outside urban areas;;</p> <p>(bb) Sensitive areas as identified in an environmental management framework as contemplated in chapter 5 of the Act and as adopted by the competent authority;</p> <p>(dd) Critical biodiversity areas as identified in systematic biodiversity plans adopted by the competent authority or in bioregional plans;</p> <p>(ff) Areas within 10 kilometres from national parks or world heritage sites or 5 kilometres from any other protected area identified in terms of NEMPAA or from the core area of a biosphere reserve</p> | <p>Sensitive area. Care will be taken to stay out of sensitive areas but where it cannot be avoided this activity will be applied for. (Not listed <b>FAO</b>)</p> |

FA0

The reservoir is not likely to be in a sensitive area but the location is unknown as of yet.

Frankie A'Bear, 2023-10-03T09:20:51.441



## 4.1 LISTED ACTIVITIES (CONT.)

### Listing Notice 3 of the EIA Regulations, 2014 as amended

| Activity No | Relevant Listed Activity   | Description   |
|-------------|--|---|
| 4           | <p>The development of a road wider than 4 metres with a reserve less than 13,5 metres.</p> <p>a. Free State</p> <p>i. Outside urban areas:</p> <p>(cc) Sensitive areas as identified in an environmental management framework as contemplated in chapter 5 of the Act and as adopted by the competent authority;</p> <p>(ee) Critical biodiversity areas as identified in systematic biodiversity plans adopted by the competent authority or in bioregional plans;</p> <p>(gg) Areas within 10 kilometres from national parks or world heritage sites or 5 kilometres from any other protected area identified in terms of NEMPAA or from the core areas of a biosphere reserve, excluding disturbed areas.</p> | <p>It is likely that an access track will be required next to the pipeline. The track width is most probably going to be 4m. Care will be taken to stay out of sensitive areas but where it cannot be avoided this activity will be applied for. (<i>Possibly listed</i>)</p> |

## 4.1 LISTED ACTIVITIES (CONT.)

### Listing Notice 3 of the EIA Regulations, 2014 as amended

| Activity No | Relevant Listed Activity  | Description   |
|-------------|---|---|
| 10          | <p>The development and related operation of facilities or infrastructure for the storage, or storage and handling of a dangerous good, where such storage occurs in containers with a combined capacity of 30 but not exceeding 80 cubic metres.</p> <p>Free State</p> <p>cc) Sensitive areas as identified in an environmental management framework as contemplated in chapter 5 of the Act and as adopted by the competent authority;</p> <p>(ee) Critical biodiversity areas as identified in systematic biodiversity plans adopted by the competent authority or in bioregional plans;</p> <p>(gg) Areas within 10 kilometres from national parks or world heritage sites or 5 kilometres from any other protected area identified in terms of NEMPAA or from the core areas of a biosphere reserve, excluding disturbed areas.</p> | <p>Care will be taken not to place construction camps in any area that will trigger this Item, but there may be an instance where this cannot be avoided, and this activity will be applied for. <i>(Possibly listed)</i></p>   |
| 12          | <p><b>The clearance of an area of 300 square metres or more of indigenous vegetation except where such clearance of indigenous vegetation is required for maintenance purposes undertaken in accordance with a maintenance management plan.</b></p> <p><b>(b) Free State</b></p> <p><b>ii. Within critical biodiversity areas identified in bioregional plans;</b></p> <p><b>iv. Areas within a watercourse or wetland; or within 100 metres from the edge of a watercourse or wetland.</b></p>   | <p>The proposed pipeline will traverse more than one wetland and watercourse.</p> <p>There is one critical biodiversity area within the proposed pipeline route and more than 300 square metres will most probably be cleared.</p> <p>There may be land that are currently zoned conservation. <i>(Possibly listed)</i></p> |

## 4.2 SPECIALISTS

### DFFE Screening Report:

DFFE Screening tool lists the following sensitivities, and the following studies will have to be done in agreement with DFFE (Option 1, 2 , 3 and 4):

1. Agriculture
2. Animals
3. Aquatic Biodiversity
4. Heritage
5. Geotechnical
6. Socio Economic
7. Palaeontology
8. Plants
9. Terrestrial Biodiversity

| Theme                                      | Very High sensitivity | High sensitivity | Medium sensitivity | Low sensitivity |
|--|-----------------------|------------------|--------------------|-----------------|
| Agriculture Theme                          |                       | X                |                    |                 |
| Animal Species Theme                       |                       | X                |                    |                 |
| Aquatic Biodiversity Theme                 | X                     |                  |                    |                 |
| Archaeological and Cultural Heritage Theme | X                     |                  |                    |                 |
| Civil Aviation Theme                       |                       | X                |                    |                 |
| Defence Theme                              |                       |                  | X                  |                 |
| Paleontology Theme                         | X                     |                  |                    |                 |
| Plant Species Theme                        |                       |                  |                    | X               |
| Terrestrial Biodiversity Theme             | X                     |                  |                    |                 |

| Theme                                      | Very High sensitivity | High sensitivity | Medium sensitivity | Low sensitivity |
|--|-----------------------|------------------|--------------------|-----------------|
| Agriculture Theme                          | X                     |                  |                    |                 |
| Animal Species Theme                       |                       | X                |                    |                 |
| Aquatic Biodiversity Theme                 | X                     |                  |                    |                 |
| Archaeological and Cultural Heritage Theme | X                     |                  |                    |                 |
| Civil Aviation Theme                       |                       | X                |                    |                 |
| Defence Theme                              |                       |                  |                    | X               |
| Paleontology Theme                         | X                     |                  |                    |                 |
| Plant Species Theme                        |                       |                  |                    | X               |
| Terrestrial Biodiversity Theme             | X                     |                  |                    |                 |

| Theme                                      | Very High sensitivity | High sensitivity | Medium sensitivity | Low sensitivity |
|--|-----------------------|------------------|--------------------|-----------------|
| Agriculture Theme                          |                       | X                |                    |                 |
| Animal Species Theme                       |                       | X                |                    |                 |
| Aquatic Biodiversity Theme                 | X                     |                  |                    |                 |
| Archaeological and Cultural Heritage Theme |                       |                  |                    | X               |
| Civil Aviation Theme                       |                       | X                |                    |                 |
| Defence Theme                              |                       |                  |                    | X               |
| Paleontology Theme                         | X                     |                  |                    |                 |
| Plant Species Theme                        |                       |                  |                    | X               |
| Terrestrial Biodiversity Theme             | X                     |                  |                    |                 |

| Theme                                      | Very High sensitivity | High sensitivity | Medium sensitivity | Low sensitivity |
|--|-----------------------|------------------|--------------------|-----------------|
| Agriculture Theme                          |                       | X                |                    |                 |
| Animal Species Theme                       |                       | X                |                    |                 |
| Aquatic Biodiversity Theme                 | X                     |                  |                    |                 |
| Archaeological and Cultural Heritage Theme | X                     |                  |                    |                 |
| Civil Aviation Theme                       |                       | X                |                    |                 |
| Defence Theme                              |                       |                  |                    | X               |
| Paleontology Theme                         | X                     |                  |                    |                 |
| Plant Species Theme                        |                       |                  |                    | X               |
| Terrestrial Biodiversity Theme             | X                     |                  |                    |                 |



## 5. PUBLIC PARTICIPATION

The availability of the Scoping Report for comment will be announced by way of:

1. A four-page background information document (BID) that will be distributed to all stakeholders on the database, with a comment and registration sheet attached.
2. Site notices will be erected at strategic places in the project area.
3. A statutory media advertisement will be placed in a national and a regional newspaper widely read along the pipeline route, while placement in a representative regional/local newspaper may be considered.

The BID, advertisement and site notices will also contain information on the IWULA, and any other regulatory requirements.

The same process, as described for the scoping phase will be followed in the EIA phase. During these three public meetings and two authority feedback sessions, the findings of the specialist studies and their proposed mitigation measures will be presented to stakeholders to determine whether their concerns have been considered. During the EIA comment period, the EMP will also be made available for comment by stakeholders.

- **EIA:** The PPP is an essential and regulatory requirement for an environmental authorisation process, and is guided by Regulations under the NEMA, specifically the EIA Regulations (GN R982) (NEMA).
- **WULA:** PPP will be conducted as per the requirements of The National Water Act (NWA) (Act No 36 of 1998)
- **Borrow Pits:** PPP will be conducted as per the requirements of the MPRDA

## 7. ANY OTHER MATTERS AND 8. WAY FORWARD

### Any other matters:

7.1 Does Zutari need to do pre – application PPP. Is this necessary? There has been a previous PPP and Zutari need to rule out this possibility and communicate timeframes to the client.

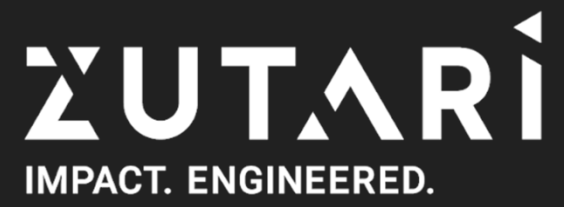
7.2 Other authorisations : WULA and possible borrow pit application(s). ). Zutari will do the WULA process as agreed with DWS.

7.3 EMPR: Does Zutari need to submit a final EMPr with the final report (BAR or EIA) as per new legislation.

7.4 Will Zutari need to submit consent forms for the linear pipeline (latest DFFE consent template) for both the preferred option as well as a possible alternative ?

### Way forward

7.5 EIA or BAR process forward ?



**ZUTARİ**  
IMPACT. ENGINEERED.

The logo features the word 'ZUTARİ' in a bold, white, sans-serif font. The letter 'A' is stylized with a small triangle above it. Below the main text is the tagline 'IMPACT. ENGINEERED.' in a smaller, white, sans-serif font. The background is dark gray with several large, light gray triangles pointing in various directions.

# APPENDIX 2.1: XARIEP EMAIL NOTIFICATION



From: Genie De Waal  
Sent: Sunday, 02 June 2024 16:56  
To: Genie De Waal; Marianna Taljaard; Corlie Steyn  
Cc: Stephan Kleynhans; Frankie A'Bear; Wynand Loftus; Amelia Visagie  
Subject: XHARIEP WATER PIPELINE/ WATERPYPLYN: Notification/ Kennisgewing: Public Participation Process/Publieke Deelnameproses: DFFE Ref No/ Verw Nr: 14/12/16/3/3/1/2996  
Attachments: Background Information Document\_Xariep\_Final.pdf  
Importance: High

Dear identified Interested and/or Affected Party

Please be informed that Zutari (Pty) Ltd has been appointed by the Department of Water and Sanitation (DWS) to undertake the environmental authorisation application is required in terms of the National Environmental Management Act (Act No. 107 of 1998) (NEMA) via a Basic Assessment (BA) process, per the 2014 EIA Regulations, as amended, as well as a Water Use Licence application (WULA) in terms of the National Water Act (Act No. 36 of 1998) for the Xhariep pipeline as part of the Greater Mangaung Water Augmentation Project (see Background Information Document attached).

DWS is proposing to construct a potable water pipeline from the Gariep Dam wall, connecting to the existing bulk water distribution system for the Greater Bloemfontein Water Supply System (GBWSS). The proposed scheme will traverse the Xhariep District Municipality and the Kopanong Local Municipality, as well as the Mangaung Metropolitan Municipality. The project has three key (internal) stakeholders: (i) DWS Head Office (ii) Vaal Central Water Board, and (iii) Mangaung Metropolitan Municipality. The project falls into the ambit of Strategic Integrated Projects (SIPS) 18 and 19, namely Water and Sanitation Infrastructure. Zutari (Pty) Ltd are the independent environmental consultants who are undertaking the environmental authorisation and water use licence applications. The competent authority is the Department of Forestry, Fisheries and the Environment (DFFE). The proposed route is known as Scheme 1B and will be a potable water pipeline from Gariep Dam to Bloemfontein (mostly along the N1) and Botshabelo / Thaba Nchu, consisting of:

- ☐ Tie-in at existing pipeline downstream of Gariep Dam
- ☐ A low-lift pumpstation at or near the connection to the Gariep Dam
- ☐ A water treatment works (WTW) with a high-lift pumpstation
- ☐ A command reservoir
- ☐ A booster pumpstation
- ☐ A second command reservoir
- ☐ The entire pipeline route from the Gariep Dam to the connection points in Bloemfontein and near Rustfontein WTW (supplying Botshabelo / Thaba Nchu)

The listed activities in the regulations that are triggered by this proposed project are as follows:

| National Environmental Management Act - BA   | National Water Act - WULA  |
|--|--|
| Competent Authority – DFFE   | Competent Authority - DWS  |
| <ul style="list-style-type: none"><li>• Listing Notice 1, Activity 9, 11, 12, 13, 14, 19 and 27 (Activities which require authorisation via a Basic Assessment)</li><li>• Listing Notice 3, Activity 4, 10 and 12 (Activities that are geographically bound, and which require authorisation via a Basic Assessment)</li></ul> | <ul style="list-style-type: none"><li>• Section 21 (a): Abstraction of water from a water resource</li><li>• Section 21 (b): Storage of water</li><li>• Section 21 (c): Impeding and diverting the flow of a watercourse.</li><li>• Section 21 (i): Altering the beds, banks, course, and characteristics of a watercourse.</li><li>• Section 21 (g): Disposing of waste in a manner which may detrimentally impact on a water resource.</li></ul> |

**The draft Basic Environmental Assessment Report is available for comment for a period of 30 days, from the 3rd of June 2024 to the 4th of July 2024, at the following locations:**

- ☐ Hard copies at: Gariepdam Library - 11 Patrys Street; Edenburg Library - 16 Church Street; Trompsburg Library – 78 Voortrekker Street; Lourierpark Library - Cnr Doringklaat & Nanabessie Streets, Lourier Park, Bloemfontein
- ☐ Electronic copy at:

<https://geoverse.zutari.com/portal/apps/experiencebuilder/experience/?id=2f48681c19a24836bcfc03da3c653c3a> or <https://www.dws.gov.za/projects.aspx>

Comments on the water use licence application may be submitted for a period of 60 days, from 3rd of June 2024 to the 5th of August 2024.

If you wish to register as an Interested and Affected Party and/or submit comments or concerns, please do so in writing by either using the online registration and comment form at these links:

<https://survey123.arcgis.com/share/592a24050e154524b919d662e9a37b3e?portalUrl=https://geoverse.zutari.com/portal>



or by sending an email to [xhariep@zutari.com](mailto:xhariep@zutari.com)

If necessary, you may also register telephonically during office hours with Marianna Taljaard at +27-44-805-5410.

\*\*\*\*\*

Geagte geïdentifiseerde Belanhebbende en/of Geïnterreseerde Party

Neem asseblief kennis dat Zutari (Edms) Bpk is deur die Departement Water en Sanitasie (DWS) aangestel om die omgewingsmagtigingsproses vir die Xhariep Pyplyn as deel van die Groter Mangaung Water Aanvullingskema, in terme van die Nasionale Wet op Omgewingsbestuur (WNOP, Wet Nr. 107 van 1998, soos gewysig), te onderneem, deur middel van 'n Basiese Invloedbepalingsproses (BIBP), ingevolge die 2014 Omgewingsinvloedbepalings (OIB) Regulasies, soos gewysig. 'n watergebruikslisensie aansoek (WA) in terme van die Nasionale Waterwet (Wet Nr. 36 van 1998) word ook gevolg (sien aangehegte Agtergrond Inligtingsdokument).

DWS beoog om 'n drinkwaterpyplyn wat deel vorm van 'n water aanvullingskema vanaf die Gariep Damwal, te bou. Die pyplyn sal 'n aansluitingspunt hê by die bestaande grootmaat waterspreidingsstelsel vir die Groter Bloemfontein Watervoorsieningsstelsel (GBWSS). Die voorgestelde skema deurkruis die Xhariep Distrikmunisipaliteit en die Kopanong Plaaslike Munisipaliteit, sowel as die Mangaung Metropolitaanse Munisipaliteit. Die projek bestaan uit drie sleutel (interne) belanghebbendes: (i) DWS Hoofkantoor (ii) Vaal Sentrale Waterraad, en (iii) Mangaung Metropolitaanse Munisipaliteit. Die projek val in die bestek van die Strategiese Geïntegreerde Projekte (SIPS) 18 en 19, naamlik Water en Sanitasie Infrastruktuur. Zutari (Edms) Bpk is die onafhanklike omgewingskonsultante wat die omgewingsmagtigings- en watergebruikslisensie aansoeke onderneem. Die Departement van Bosbou, Visserye en die Omgewing (DBVO) is die bevoegde owerheid wat die aansoek sal oorweeg. Die voorgestelde roete staan bekend as Skema 1B en sal 'n drinkwaterpypleiding wees vanaf die Gariep Dam tot by Bloemfontein (meestal langs die N1) en Botshabelo/ Thaba Nchu. Dit sal bestaan uit die volgende infrastruktuur:

- ☐ Aansluiting by bestaande pyplyn, stroomaf van die Gariep Dam
- ☐ 'n Lae-lig pompstasie by, of naby, die aansluiting met die Gariep Dam
- ☐ 'n Watersuiweringswerke (WTW) met 'n hoë-lig pompstasie
- ☐ 'n Bulk reservoir
- ☐ 'n Aanjaerpompstasie
- ☐ 'n Tweede bulk reservoir
- ☐ Die pyplynroete vanaf die Gariep Dam tot by die aansluitingspunte in Bloemfontein asook naby Rustfontein WTW (verskaf water aan Botshabelo / Thaba Nchu)

Die gelyste aktiwiteite in die regulasies van toepassing tot die projek is as volg:

| Nasionale Omgewingswet - BIBP  | Nasionale Waterwet - WA   |
|--|---|
| Bevoegde Owerheid: DBVO  | Bevoegde Owerheid: DWS  |
| <ul style="list-style-type: none"><li>Lysingkennissgewing 1, Aktiwiteite 9, 11, 12, 13, 14, 19 en 27 (Aktiwiteite wat bemagtiging vereis deur middel van 'n Basiese Invloedbepalingsproses)</li><li>Lysingkennissgewing 3, Aktiwiteite 4, 10 en 12 (Aktiwiteite wat geografies gebonde is en wat bemagtiging vereis deur middel van 'n Basiese Invloedbepalingsproses)</li></ul> | <ul style="list-style-type: none"><li>Gedeelte 21 (a): Onttrekking van water vanuit 'n waterbron</li><li>Gedeelte 21 (b): Waterberging</li><li>Gedeelte 21 (c): Belemmering en afleiding van die vloei van 'n rivier.</li><li>Gedeelte 21 (i): Die verandering van die beddings, banke, loop en eienskappe van 'n rivier.</li><li>Gedeelte 21 (g): Wegdoen van afval in so 'n manier wat 'n nadelige impak op 'n waterhulpbron kan hê</li></ul> |

Die Konsep Basiese Invloedbepalingsverslag (KIBV) is beskikbaar vir kommentaar vir 'n tydperk van 30 dae, vanaf 3 Junie 2024 tot 4 Julie 2024, by die onderstaande plekke:

□ Harde kopieë by: Gariepdam Biblioteek - Patrysstraat 11; Edenburg Biblioteek - Kerkstraat 16; Trompsburg Biblioteek – Voortrekkerstraat 78; Lourierpark Biblioteek – Hoek van Doringklaat- & Nanabessiestrate, Lourierpark, Bloemfontein  
□ Elektroniese afskrif by:  
<https://geoverse.zutari.com/portal/apps/experiencebuilder/experience/?id=2f48681c19a24836bcfc03da3c653c3a> of  
<https://www.dws.gov.za/projects.aspx>

**Kommentaar kan op die watergebruikslisensie aansoek gelewer word vir 'n periode van 60 dae, vanaf 3 Junie 2024 tot 5 Augustus 2024.**

Indien u as 'n Belanghebbende en Geaffekteerde Party (B&GP) wil registreer en/ of kommentaar wil lewer, word u uitgenooi om dit asseblief skriftelik te doen, óf deur die gebruik van die aanlynregistrasie en kommentaarvorm as u ondergenoemde aanlynskakels volg:  
<https://survey123.arcgis.com/share/592a24050e154524b919d662e9a37b3e?portalUrl=https://geoverse.zutari.com/portal>



of per epos na [xhariep@zutari.com](mailto:xhariep@zutari.com)

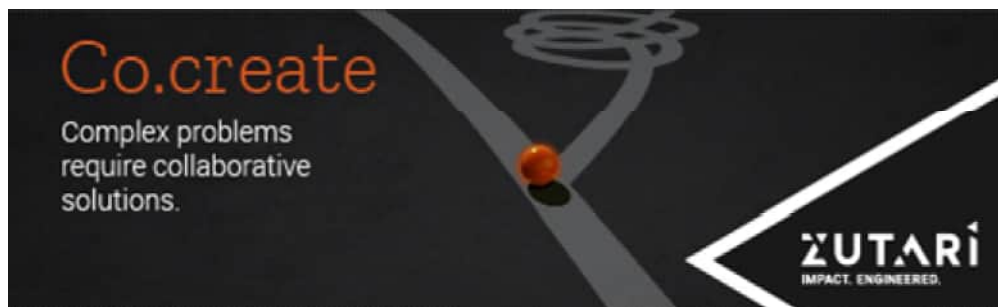
Indien nodig, kan u ook binne kantoorure telefonies by Marianna Taljaard registreer, op +27-44-8055410.

**Genie De Waal** *ND Business Computing*

SENIOR CONSULTANT: PUBLIC PARTICIPATION | ZUTARI

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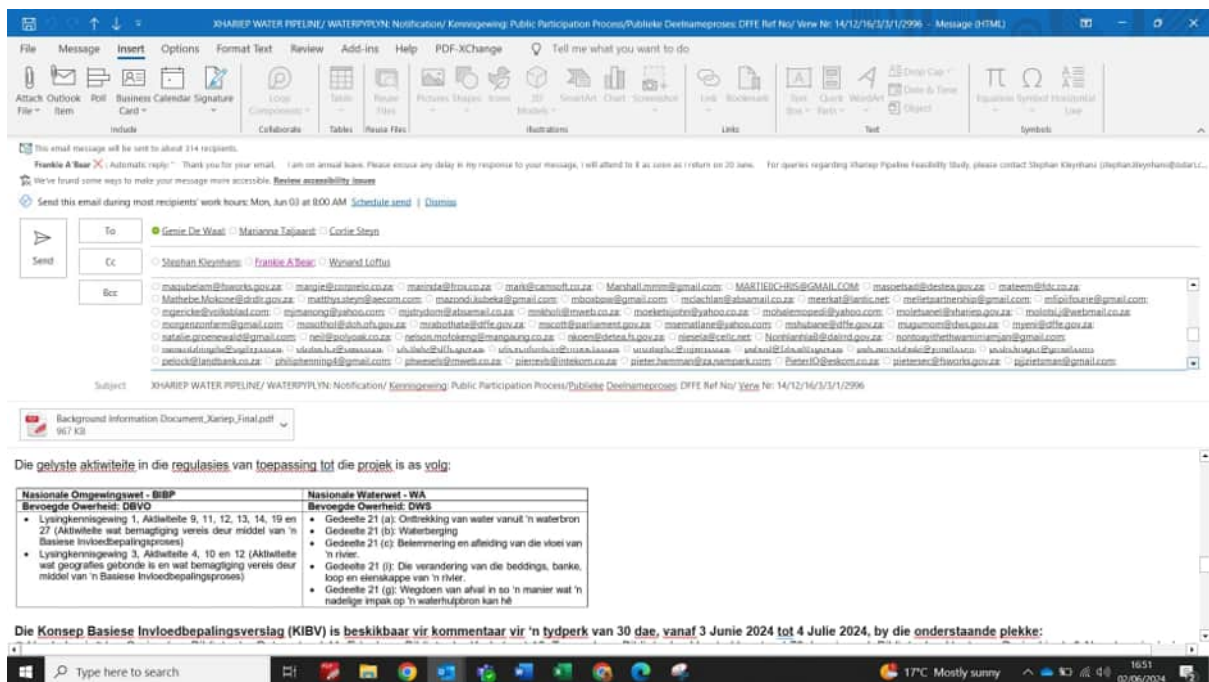


Zutari is a proud B-BBEE Level 1 contributor in South Africa.

DISCLAIMER

[illegible]





Microsoft Word interface showing a document titled "XHARIP WATER PIPELINE/ WATERPIPLYN: Notification/ Kennisgewing: Public Participation Process/Publieke Deelnemeproses DFFE Ref No/ Vraag No: 14/12/16/3/1/2996 - Message (HTML)". The document content includes a header with a subject line, a list of recipients, and a table of contents. The table of contents lists various stakeholders and their contact information, including email addresses and phone numbers. The document also includes a section for the "Background Information Document\_Xharip\_Final.pdf" and a section for the "Die geklote aktiwiteite in die regulasies van toepassing tot die projek is as volg:".

Microsoft Word interface showing a document titled "XHARIP WATER PIPELINE/ WATERPIPLYN: Notification/ Kennisgewing: Public Participation Process/Publieke Deelnemeproses DFFE Ref No/ Vraag No: 14/12/16/3/1/2996 - Message (HTML)". The document content includes a header with a subject line, a list of recipients, and a table of contents. The table of contents lists various stakeholders and their contact information, including email addresses and phone numbers. The document also includes a section for the "Background Information Document\_Xharip\_Final.pdf" and a section for the "Die geklote aktiwiteite in die regulasies van toepassing tot die projek is as volg:".

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## APPENDIX 2.2: EMAIL REMINDER

## Marianna Taljaard

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**From:** Xhariep  
**Sent:** Thursday, 20 June 2024 10:39  
**To:** Corlie Steyn; Marianna Taljaard  
**Subject:** FW: XHARIEP WATER PIPELINE/ WATERPYPLYN: Notification/ Kennisgewing: Public Participation Process/Publieke Deelnameproses: DFFE Ref No/ Verw Nr: 14/12/16/3/3/1/2996  
**Attachments:** Background Information Document \_ Xhariep.pdf; PPP \_ Registration and Comment Form.pdf  
**Importance:** High

Dear Identified, Interested and/or Affected Party

This is a reminder that the comment period for **The Draft Basic Environmental Assessment Report**, ends the 4<sup>th</sup> of July 2024.

Kind Regards

**Marianna Taljaard**

PROJECT ADMINISTRATOR, ENVIRONMENT AND PLANNING | ZUTARI

---

**M** +27-44-805 5410 **E** [Marianna.Taljaard@zutari.com](mailto:Marianna.Taljaard@zutari.com) **W** [zutari.com](http://zutari.com)

DISCLAIMER

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**From:** Xhariep  
**Sent:** Sunday, June 2, 2024 7:09 PM  
**To:** Genie De Waal <Genie.deWaal@zutari.com>; Corlie Steyn <Corlie.Steyn@zutari.com>; Wynand Loftus <Wynand.Loftus@zutari.com>  
**Subject:** XHARIEP WATER PIPELINE/ WATERPYPLYN: Notification/ Kennisgewing: Public Participation Process/Publieke Deelnameproses: DFFE Ref No/ Verw Nr: 14/12/16/3/3/1/2996  
**Importance:** High

Dear identified Interested and/or Affected Party

Please be informed that Zutari (Pty) Ltd has been appointed by the Department of Water and Sanitation (DWS) to undertake the environmental authorisation application is required in terms of the National Environmental Management Act (Act No. 107 of 1998) (NEMA) via a Basic Assessment (BA) process, per the 2014 EIA Regulations, as amended, as well as a Water Use Licence application (WULA) in terms of the National Water Act (Act No. 36 of 1998) for the Xhariep pipeline as part of the Greater Mangaung Water Augmentation Project (see Background Information Document attached).

DWS is proposing to construct a potable water pipeline from the Gariep Dam wall, connecting to the existing bulk water distribution system for the Greater Bloemfontein Water Supply System (GBWSS). The proposed scheme will traverse the Xhariep District Municipality and the Kopanong Local Municipality, as well as the Mangaung Metropolitan Municipality. The project has three key (internal) stakeholders: (i) DWS Head Office (ii) Vaal Central Water Board, and (iii) Mangaung Metropolitan Municipality. The project falls into the ambit of Strategic Integrated Projects (SIPS) 18 and 19, namely Water and Sanitation Infrastructure. Zutari (Pty) Ltd are the independent environmental consultants who are undertaking the environmental authorisation and water use licence applications. The competent authority is the Department of Forestry, Fisheries and the Environment (DFFE). The proposed route is known as Scheme 1B and will be a potable water pipeline from Gariep Dam to Bloemfontein (mostly along the N1) and Botshabelo / Thaba Nchu, consisting of:

- ☐ Tie-in at existing pipeline downstream of Gariep Dam
- ☐ A low-lift pumpstation at or near the connection to the Gariep Dam
- ☐ A water treatment works (WTW) with a high-lift pumpstation

- ☐ A command reservoir
- ☐ A booster pumpstation
- ☐ A second command reservoir
- ☐ The entire pipeline route from the Gariep Dam to the connection points in Bloemfontein and near Rustfontein WTW (supplying Botshabelo / Thaba Nchu)

The listed activities in the regulations that are triggered by this proposed project are as follows:

| <b>National Environmental Management Act - BA</b>  | <b>National Water Act</b>   |
|--|---|
| <b>Competent Authority – DFFE</b>  | <b>Competent Authority</b>  |
| <ul style="list-style-type: none"> <li>• Listing Notice 1, Activity 9, 11, 12, 13, 14, 19 and 27 (Activities which require authorisation via a Basic Assessment)</li> <li>• Listing Notice 3, Activity 4, 10 and 12 (Activities that are geographically bound and which require authorisation via a</li> </ul> | <ul style="list-style-type: none"> <li>• Section 21 (a): A</li> <li>• Section 21 (b): S</li> <li>• Section 21 (c): watercourse.</li> <li>• Section 21 (i):</li> </ul> |

**The draft Basic Environmental Assessment Report is available for comment for a period of 30 days, from the 3rd of June 2024 to the 4th of July 2024, at the following locations:**

- ☐ Hard copies at: Gariepdam Library - 11 Patrys Street; Edenburg Library - 16 Church Street; Trompsburg Library – 78 Voortrekker Street; Lourierpark Library - Cnr Doringklaat & Nanabessie Streets, Lourier Park, Bloemfontein
- ☐ Electronic copy at:  
<https://geoverse.zutari.com/portal/apps/experiencebuilder/experience/?id=2f48681c19a24836bcfc03da3c653c3a> or  
<https://www.dws.gov.za/projects.aspx>

**Comments on the water use licence application may be submitted for a period of 60 days, from 3rd of June 2024 to the 5th of August 2024.**

**If you wish to register as an Interested and Affected Party and/or submit comments or concerns, please do so in writing by either using the online registration and comment form at these links:**

<https://survey123.arcgis.com/share/592a24050e154524b919d662e9a37b3e?portalUrl=https://geoverse.zutari.com/portal>



or by sending an email to [xhariep@zutari.com](mailto:xhariep@zutari.com)

If necessary, you may also register telephonically during office hours with Marianna Taljaard at +27-44-805-5410.

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Geagte geïdentifiseerde Belanhebbende en/of Geïnterreseerde Party

Neem asseblief kennis dat Zutari (Edms) Bpk is deur die Departement Water en Sanitasie (DWS) aangestel om die omgewingsmagtigingsproses vir die Xhariep Pyplyn as deel van die Groter Mangaung Water Aanvullingskema, in terme van die Nasionale Wet op Omgewingsbestuur (WNOP, Wet Nr. 107 van 1998, soos gewysig), te onderneem, deur middel van 'n Basiese Invloedbepalingsproses (BIBP), ingevolge die 2014 Omgewingsinvloedbepalings (OIB) Regulasies, soos gewysig. 'n watergebruikslisensie aansoek (WA) in terme van die Nasionale Waterwet (Wet Nr. 36 van 1998) word ook gevolg (sien aangehegte Agtergrond Inligtingsdokument).

DWS beoog om 'n drinkwaterpyplyn wat deel vorm van 'n water aanvullingskema vanaf die Gariep Damwal, te bou. Die pyplyn sal 'n aansluitingspunt hê by die bestaande grootmaat waterverspreidingsstelsel vir die Groter Bloemfontein Watervoorsieningsstelsel (GBWSS). Die voorgestelde skema deurkruis die Xhariep Distrikmunisipaliteit en die Kopanong Plaaslike Munisipaliteit, sowel as die Mangaung Metropolitaanse Munisipaliteit. Die projek bestaan uit drie sleutel (interne) belanghebbendes: (i) DWS Hoofkantoor (ii) Vaal Sentrale Waterraad, en (iii) Mangaung Metropolitaanse Munisipaliteit. Die projek val in die bestek van die Strategiese Geïntegreerde Projekte (SIPS) 18 en 19, naamlik Water en Sanitasie Infrastruktuur. Zutari (Edms) Bpk is die onafhanklike omgewingskonsultante wat die

omgewingsmagtigings- en watergebruikslisensie aansoek onderneem. Die Departement van Bosbou, Visserye en die Omgewing (DBVO) is die bevoegde owerheid wat die aansoek sal oorweeg. Die voorgestelde roete staan bekend as Skema 1B en sal 'n drinkwaterpypleiding wees vanaf die Gariep Dam tot by Bloemfontein (meestal langs die N1) en Botshabelo/ Thaba Nchu. Dit sal bestaan uit die volgende infrastruktuur:

- ☐ Aansluiting by bestaande pyplyn, stroomaf van die Gariep Dam
- ☐ 'n Lae-lig pompstasie by, of naby, die aansluiting met die Gariep Dam
- ☐ 'n Watersuiweringswerke (WTW) met 'n hoë-lig pompstasie
- ☐ 'n Bulk reservoir
- ☐ 'n Aanjaerpompstasie
- ☐ 'n Tweede bulk reservoir
- ☐ Die pyplynroete vanaf die Gariep Dam tot by die aansluitingspunte in Bloemfontein asook naby Rustfontein WTW (verskaf water aan Botshabelo / Thaba Nchu)

Die gelyste aktiwiteite in die regulasies van toepassing tot die projek is as volg:

| Nasionale Omgewingswet - BIBP   | Nasionale Waterwet  |
|---|---|
| Bevoegde Owerheid: DBVO   | Bevoegde Owerheid:  |
| <ul style="list-style-type: none"> <li>Lysingkennisgewing 1, Aktiwiteite 9, 11, 12, 13, 14, 19 en 27 (Aktiwiteite wat bemagtiging vereis deur middel van 'n Basiese Invloedbepalingsproses)</li> <li>Lysingkennisgewing 3, Aktiwiteite 4, 10 en 12 (Aktiwiteite wat geografies gebonde is en wat bemagtiging vereis deur</li> </ul> | <ul style="list-style-type: none"> <li>Gedeelte 21 (a):</li> <li>Gedeelte 21 (b):</li> <li>Gedeelte 21 (c): 'n rivier.</li> <li>Gedeelte 21 (i):</li> </ul> |

Die Konsep Basiese Invloedbepalingsverslag (KIBV) is beskikbaar vir kommentaar vir 'n tydperk van 30 dae, vanaf 3 Junie 2024 tot 4 Julie 2024, by die onderstaande plekke:

- ☐ Harde kopieë by: Gariepdam Biblioteek - Patrysstraat 11; Edenburg Biblioteek - Kerkstraat 16; Trompsburg Biblioteek – Voortrekkerstraat 78; Lourierpark Biblioteek – Hoek van Doringklaat- & Nanabessiestrate, Lourierpark, Bloemfontein
- ☐ Elektroniese afskrif by:  
<https://geoverse.zutari.com/portal/apps/experiencebuilder/experience/?id=2f48681c19a24836bcfc03da3c653c3a> of  
<https://www.dws.gov.za/projects.aspx>

Kommentaar kan op die watergebruikslisensie aansoek gelewer word vir 'n periode van 60 dae, vanaf 3 Junie 2024 tot 5 Augustus 2024.

Indien u as 'n Belanghebbende en Geaffekteerde Party (B&GP) wil registreer en/ of kommentaar wil lewer, word u uitgenooi om dit asseblief skriftelik te doen, óf deur die gebruik van die aanlynregistrasie en kommentaarvorm as u ondergenoemde aanlynskakels volg:

<https://survey123.arcgis.com/share/592a24050e154524b919d662e9a37b3e?portalUrl=https://geoverse.zutari.com/portal>



of per epos na [xhariep@zutari.com](mailto:xhariep@zutari.com)

Indien nodig, kan u ook binne kantoorure telefonies by Marianna Taljaard registreer, op +27-44-8055410.

**Genie De Waal** *ND Business Computing*

SENIOR CONSULTANT: PUBLIC PARTICIPATION | ZUTARI

E [Genie.deWaal@zutari.com](mailto:Genie.deWaal@zutari.com) W [zutari.com](http://zutari.com)





**Zutari is a proud B-BBEE Level 1 contributor in South Africa.**

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FW: XHARIEP WATER PIPELINE/ WATERPYPLYN: Notification/ Kennisgewing: Public Participation Process/Publieke Deelnameproses: DFFE Ref No/ Verw Nr: 14/12/16/3/3/1/2996



Xhariep

To Corlie Steyn; Marianna Taljaard

Bcc 27825781926@vodamail.co.za; abekker@hermanus.co.za; abrie@thabilefn.co.za; admin@eliteskale.co.za; ajpmbotha@yahoo.com; albe@mfs.co.za; alcunet.pty@gmail.com; alexiaprok@gmail.com; alqaddafi@webmail.co.za; anderkac@ufs.ac.za; andre.bodenstein@transnet.net; angies@xhariep.gov.za; amoduplessis39@gmail.com; asareeltrust@gmail.com; attiestrauss8@gmail.com; BarnardJ@ufs.ac.za; bastion@inext.co.za; BCAdmin@dffe.gov.za

This message was sent with High importance.



Background Information Document \_ Xhariep.pdf

1 MB



PPP \_ Registration and Comment Form.pdf

264 KB

Dear Identified, Interested and/or Affected Party

This is a reminder that the comment period for **The Draft Basic Environmental Assessment Report**, ends the 4<sup>th</sup> of July 2024.

Kind Regards

**Marianna Taljaard**

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Thu 2024/06/20 10:39

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Xhariep

To Corlie Steyn; Marianna Taljaard

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**Marianna Taljaard**

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Xhariep

To Corlie Steyn; Marianna Taljaard

Bcc chwayitam@yahoo.com; clive@abancidou.co.za; collin@kopanokkm.co.za; comien@lantic.net; corniav@yahoo.com; cyferkuil@vodamail.co.za; danie.avo@gmail.com; daniev79@gmail.com; darius@dprecologists.co.za; ddaniedd@gmail.com; dekerk.c51@gmail.com; deondelpot54@gmail.com; dewetstrasheim@gmail.com; dferrei@cut.ac.za; dieter.debruin@astrazeneca.com; dirkruger@vodamail.co.za; Dismed@lantic.net; dohneboer@gmail.com; dom@eaglewings.co.za; dougmaycock@gmail.com; dries.kruger@senwes.co.za; dries.veyers@gmail.com; dries.veyers@vodamail.co.za; drieskruger@outlook.com; eddie@christiantees.co.za; efminnie@gmail.com; elizebutler002@gmail.com; elizecoetee@vodamail.co.za; emilvermeulen@gmail.com; ephym@rtmc.co.za; Esti.pretorius@transnet.net; ewneuland@yahoo.com; ewt@ewt.org.za; ezeth.schutte@gmail.com

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Dear Identified, Interested and/or Affected Party

This is a reminder that the comment period for **The Draft Basic Environmental Assessment Report**, ends the 4<sup>th</sup> of July 2024.

Kind Regards

**Marianna Taljaard**

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X

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To 

Cortie Steyn; Marianna Taljaard

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To 

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X

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To 

Cortie Steyn; Marianna Taljaard

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To Corlie Steyn; Marianna Taljaard

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To Corlie Steyn; Marianna Taljaard

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To Corlie Steyn; Marianna Taljaard

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**Marianna Taljaard**

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Xhariep  
To Corlie Steyn; Marianna Taljaard  
Bcc rudmanbj@telkom.co.za

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## APPENDIX 3.1: ADVERT (CITY PRESS)



# business

## READERS WRITE

Edited by Maya Fisher-French

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your  
money  
your  
lifestyle

### DAYA ASKS:

If a legal guardian makes a claim from a beneficiary trust must the guardian submit his or her payslips as well as income and expenditure? How would the fund trustees know whether the guardian is being responsible or reckless in financial matters?

### DAVID HURFORD, THE CHIEF EXECUTIVE OFFICER AT FAIRHEADS REPLIES:

Typically, the beneficiary fund trustees do not perform an assessment on the guardian or caregiver's competence to manage money appropriately. This is the job of the retirement fund trustees as part of their Section 37c deliberations when deciding on an appropriate mode of payment to a minor dependent of a deceased retirement fund member.

Once the benefit is placed in the beneficiary fund, the primary objective of the fund is to ensure that the benefit is used in the interests of the child. The beneficiary fund should work closely with the guardian to make sure that the money is used to help the child through their formative years.

Benefits can be distributed from the beneficiary fund in three ways:

- A regular income which can be paid to the guardian or caregiver on a monthly basis (or the frequency decided upon by the guardian);
  - Ad hoc capital requests; and
  - The final termination benefit which is paid to the member (child) when they reach the age of majority, or some other date as determined by the board of trustees.
- The regular income payments are typically structured to cover the daily living expenses of the child. How the money is used by the guardian is not controlled, and therefore these payments are relatively small with larger amounts being paid upon request. Ad hoc capital requests are assessed and verified, and

in most cases paid directly to the service provider (such as a school for school fees).

In some cases, a guardian may request that the regular income be increased due to a change in their circumstances. The beneficiary fund trustees may request information about the household income and expenses to assess whether it would be in the interest of the minor to increase the regular income, or whether the increase would be used to fund items from which the member would not benefit.

In conclusion, there are occasions where the beneficiary fund may request information from the guardian in order to have a more holistic view of the financial circumstances of the household in which the child lives.

## Can I take my pension if I emigrate?

### KARL ASKS:

I would like to know if I would be allowed to access or withdraw all my pension if I decide to emigrate to another country?

### CITY PRESS REPLIES:

This will depend on whether you resign or retire from the fund and whether you have a company pension/provident fund or a retirement annuity.

On 1 March 2021 a new rule was introduced around financial emigration and accessing your retirement funds.

This affected members of retirement annuities, and those who are retiring, by restricting South Africans who have financially emigrated from withdrawing certain retirement funds until three consecutive years have passed.

After this three-year period, an individual will need to prove that they are a non-SA resident for tax and exchange control purposes.

### EARLY WITHDRAWALS (PRIOR TO AGE 55):

- If you resign from your employer, you would be able to withdraw your retirement benefits as normal, although these will be taxed.
- Pension preservation fund / provident preservation fund members (with no prior withdrawals) are still able to access their retirement benefits, net of tax, and can transfer the funds abroad.
- Retirement annuity members wanting to access their funds need to financially emigrate before transferring the funds abroad. Their retirement funds will need to remain invested in South Africa for at least three years.

### RETIREMENT (FROM AGE 55):

- Provident preservation fund members will be granted access to their full benefit, which can be taken abroad.
  - Pension preservation fund / retirement annuity members can access up to one-third of the capital, which can be taken abroad.
- Members wanting to access the full benefit will need to emigrate financially. On emigration, the benefit will be subject to a higher tax rate. Their retirement fund will possibly need to remain invested in South Africa for at least three years.

## Will child maintenance affect my pension payout?

### VINCENT ASKS:

I resigned at the end of March 2024. After I had resigned, I was served with a garnish order for child maintenance. Will this affect my pension payout from the Government Employees Pension Fund (GEPF)?

### CITY PRESS REPLIES:

According to the GEPF, if the fund is still processing the resignation benefit, then the child maintenance claim (garnishee) will affect your pension payout.

However, if you had already received the pension payout then the court would have to instruct for the funds to be garnished from your bank account.

## IS IT WORTH INVESTING small amounts?

### NJABULO ASKS:

Is it worthwhile to invest small change into shares on an app like Easy Equities from time to time? This may be the odd R50 to R100 on an exchange traded fund or even to invest in a company.

Does it make any tangible difference in the long term? I don't think I could afford a structured or rigid investment plan now as I am on debt review until the end of 2025 and feeling the pinch.

### CITY PRESS REPLIES:

You would be surprised how small amounts add up, but it is all about leaving the money to grow. Only invest money you will not need in the next five years or more.

If you are under debt review, a good strategy would be to build up an emergency fund first in a bank savings account.

This will provide some liquidity should you face an unexpected expense. You do not want to be in a position where you must sell your investments.

In the short term those investments can fall in value, and you may be forced to sell at a loss.

Easy Equity has a great, low-cost platform that allows for small value purchases. However, it is best to opt for something like an exchange traded fund (ETF) on the platform as that will give you a diversified exposure for a small amount of money.

Buying a single share is riskier as it all depends on how that single company performs. With an ETF you have better diversification, and you can even select



one that invests offshore.

FNB has a great range of locally listed exchange-traded notes (ETNs) that track the performance of globally listed shares. You can invest in an ETN for as little as R10.

Another option is the Stash App which is zero-cost and accommodates small deposits into a tax-free savings account.

## Can I settle my home loan with my prepaid funds?

### MATOKGO ASKS:

I have had a home loan with FNB for 15 years. The outstanding balance is currently R70 000 and I have about R432 000 in my access account. Why can't I just pay off my house with the money in my access account?

### JUDY JANSE VAN VUUREN OF FNB HOME AND STRUCTURED LENDING REPLIES:

Your home loan is reduced and paid off by regular payments which are made up of principal debt (the amount originally borrowed) and interest over the loan term (the time that one has during which the loan is to be repaid).

For example, let's assume a R10 500 repayment monthly, the breakdown of this repayment is a portion towards interest, and a portion towards the principal amount loaned, which will reduce over time.

Should you elect to pay R11 000 repayment, it means that you have paid R500 extra. This R500 will reduce your outstanding balance with the R500 and form what

is known as prepaid funds (funds you have repaid in excess of your monthly repayment). Any prepaid funds reduce the outstanding balance, and by default, because your balance is lower, the amount of interest is lower as you are charged interest on the outstanding balance.

As a result of the R500 immediately reducing your outstanding balance, should you choose to access these funds, it means you are taking out the funds you paid in advance, and thereby increasing the balance with the amount you withdraw.

The loan will be recalculated if you withdraw to ensure you repay the outstanding balance within the remaining term.

In the example provided above, your outstanding loan balance is R70 000, and you have R432 000 available to access. That is effectively a line of credit that is available to you.

If you access the R432 000, you are withdrawing the amount that has been repaid and your balance will go up to R502 000 (R70 000 outstanding balance + R432 000 prepaid funds you have access).

## LEGAL NOTICE

### Greater Mangaung Water Augmentation Project: Xhariep Pipeline, Mangaung Metropolitan Municipality, Free State Province (Ref: 14/12/16/3/31/2996) Notification of Application for Environmental Authorisation and a Water Use Licence

The Department of Water and Sanitation (DWS) is proposing to construct a potable water pipeline from the Gariep Dam wall, connecting to the existing bulk water distribution system for the Greater Bloemfontein Water Supply System (GBWSS). The proposed scheme will traverse the Xhariep District Municipality and the Kopanong Local Municipality, as well as the Mangaung Metropolitan Municipality. The project has three key (internal) stakeholders: (i) DWS Head Office (ii) Vaal Central Water Board, and (iii) Mangaung Metropolitan Municipality. The project falls into the ambit of Strategic Integrated Projects (SIPS) 18 and 19 namely Water and Sanitation Infrastructure. Zutari (Pty) Ltd has been appointed as the independent environmental consultants to undertake the environmental authorisation and water use licence applications. The competent authority is the Department of Forestry, Fisheries and the Environment (DFFE).

**Proposed project components:** The proposed route is known as Scheme 1B and will be a potable water pipeline from Gariep Dam to Bloemfontein (mostly along the N1) and Botshabelo / Thaba Nchu, consisting of:

- Tie-in at existing pipeline downstream of Gariep Dam
- A low-lift pumpstation at or near the connection to the Gariep Dam
- A water treatment works (WTW) with a high-lift pumpstation
- A command reservoir
- A booster pumpstation
- A second command reservoir
- The entire pipeline route from the Gariep Dam to the connection points in Bloemfontein and near Rustfontein WTW (supplying Botshabelo / Thaba Nchu)

**Legal process:** An environmental authorisation application is required in terms of the National Environmental Management Act (Act No. 107 of 1998) (NEMA) via a Basic Assessment (BA) process, per the 2014 EIA Regulations, as amended, as well as a Water Use Licence application (WULA) in terms of the National Water Act (Act No. 36 of 1998). The listed activities in the regulations that are triggered by this proposed project are as follows:

| National Environmental Management Act - BA   | National Water Act - WULA  |
|--|--|
| Competent Authority – DFFE   | Competent Authority - DWS  |
| <ul style="list-style-type: none"><li>• Listing Notice 1, Activity 9, 11, 12, 13, 14, 19 and 27 (Activities which require authorisation via a Basic Assessment)</li><li>• Listing Notice 3, Activity 4, 10 and 12 (Activities that are geographically bound, and which require authorisation via a Basic Assessment)</li></ul> | <ul style="list-style-type: none"><li>• Section 21 (a): Abstraction of water from a water resource</li><li>• Section 21 (b): Storage of water</li><li>• Section 21 (c): Impeding and diverting the flow of a watercourse.</li><li>• Section 21 (j): Altering the beds, banks, course, and characteristics of a watercourse.</li><li>• Section 21 (g): Disposing of waste in a manner which may detrimentally impact on a water resource.</li></ul> |

**Public involvement:** The draft Basic Environmental Assessment Report is available for comment for a period of 30 days, from the 3rd of June 2024 to the 4th of July 2024, at the following locations:

- Hard copies at: Gariepdam Library - 11 Patrys Street; Edenburg Library - 16 Church Street; Trompsburg Library - 78 Voortrekker Street; Louierpark Library - Cnr Doringklaat & Nanabessie Streets, Louier Park, Bloemfontein
- Electronic copy at: <https://geoverse.zutari.com/portal/apps/experiencebuilder/experience/?id=2f48681c19a24836bcfc03da3c653c3a> or <https://www.dws.gov.za/projects.aspx>

Comments on the water use licence application may be submitted for a period of 60 days, from 3rd of June 2024 to the 5th of August 2024.

If you wish to register as an Interested and Affected Party and/or submit comments or concerns, please do so in writing by either using the online registration and comment form at these links: <https://survey123.arcgis.com/share/592a24050e154524b919d662e9a37b3e?portalUrl=https://geoverse.zutari.com/portal> or by sending an email to [xhariep@zutari.com](mailto:xhariep@zutari.com) . If necessary, you may also register telephonically during office hours with Marianna Taljaard at +27-44-805-5410.

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**water & sanitation**  
Department: Water and Sanitation  
REPUBLIC OF SOUTH AFRICA



## APPENDIX 3.2: ADVERT (THE RAPPORT)



Riana de Lange

Dis die pen wat meer as 2,5 kilometer ver kan skryf, waarvan 45 miljoen per jaar in Suid-Afrika verkoop word en waarop 'n waaghalsige hanswors in 'n gewilde advertensie gebalanseer het met die woorde “writes first time, every time”.

Die nederige Bic-pen is ware volksbesit en volgens Marc D'Oliveira, hoofbestuurder van Bic in Suider-, Sentraal- en Oos-Afrika, geniet dit meer as 50% van die plaaslike marktaandeel.

Rapport het by die Bic-fabrieek in Industria, Johannesburg, besoek afgelê waar die immergewilde oranje Bic Fine-pen, die Crystal-balpunte met die deursnyende buis en die Clic-balpunte vervaardig word. Dit word ook uitvoer na lande soos onder meer Namibië, Botswana, Zimbabwe, Malawi, Zambië en Mosambiek.

Die Suid-Afrikaanse fabrieek, met sowat 150 werknemers, vervaardig al 15 jaar lank ook die Bic Visa-viltpeene in verskillende kleure. Die meeste daarvan gaan na Europa waar dit veral gewild is in skole.

Volgens D'Oliveira help die Johannesburgse aanleg ook wanneer die Bic-fabrieek in Frankryk meer bestellings moet lewer as waarvoor hy vermoë het.

Bic is 'n bekende handelsnaam in Suid-Afrika, maar min mense weet dis 'n internasionaal getoonde maatskappy met sy hoofkantoor in Clichy, Frankryk.

Bic het 27 fabrieke op vyf vastelande en meer as 14 000 werknemers wêreldwyd. In Afrika is daar ook fabrieke in Kenia, Nigerië en Tunesië.

Wêreldwyd word 14 miljoen penne per dag in meer as 160 lande verkoop. Afrika en die Midde-Ooste dra 7% by tot die maatskappy se netto verkope.

Sedert 1950, toe Marcel Bich sy eerste balpunte in 'n fabriek in Frankryk vervaardig het, is meer as 120 miljard penne reeds wêreldwyd verkoop. Die penne se ontwerp is vandag steeds dieselfde of is effens aangepas ten einde minder plastiek vir die omhulsels te gebruik.



Marc D'Oliveira, bestuurder van Bic in Suider-, Sentraal- en Oos-Afrika, in die Bic-fabrieek in Johannesburg. | FOTO: ELIZABETH SEJAKE

# Dié hansworspen is g'n grap

Bic geniet meer as 50% van plaaslike marktaandeel

D'Oliveira sê die Crystal (mediumpunt) met blou ink (meestal skole) en swart ink (kantore en werksplekke) verkoop goed in Suid-Afrika. Dié kleure maak 70% van die verkope uit, gevolg deur rooi en 'n klein mark vir groen ink.

Die Clic-pen is Suid-Afrikaners se gunsteling en die leier van balpunte hier, sê D'Oliveira. Die maatskappy is wêreldwyd ook sinoniem met sigaret- en vuuraanstekers, en skeermesse vir mans en vroue. Die sigareetaanstekers in die Suid-Afrikaanse mark word uit Frankryk en Spanje ingevoer, en die skeermesse kom meestal van fabrieke in Frankryk of Griekeland. Die vuuraansteker word in Suid-Afrika vervaardig kragtens 'n lisensie-ooreenkoms vol-



gens Bic-spesifikasies. Die jongste finansiële resultate toon penne en sigareetaanstekers maak elk 38% uit van die maatskappy se wêreldwye netto verkope, en skeermesse 24%. Bic vervaardig elke dag 7 miljoen sigareetaanstekers. D'Oliveira sê in die vervaardig-

gingsproses is die aanstekers onderworpe aan meer as 50 gehalte- en veiligheidstoetses.

As die aansteker twee minute of langer brand, moet die hoogste vlam sowat 5 cm wees as dit vertikaal gehou word, sonder dat enige probleme met komponente wat brand of die kelp wat loskom, ontstaan.

Ettiene Jacobs, aanlegbestuurder, sê die fabrieek het verskeie vormmasjiene wat die verskillende komponente soos doppies, inkbuis, omhulsels en die proppe wat aan die agterkant van sekere penne kom, maak.



Die penne hou so lank en skryf so verdanksy die hoë gehalte van die ink.

Die inkbuis word volgens lengte gesny uit 'n lang stuk plastiek wat soos spaghetti lyk. Elke doppie en omhulsel het 'n ventilasiegat wat die kans op versmoring verminder soniemand dit insluk, verduidelik hy.

Die proppe wat aan die einde van die omhulsel kom, word ook só vasgemaak dat dit baie moeilik is om te verwyder.

Die maatskappy koop wêreldwyd aan waar hy die beste prys

Die pen wat meer as 2,5 km ver kan skryf



THAWLIB DAVIDS, Netwerk24-grafika



Die Bic-fabrieek het verskeie vormmasjiene wat doppies, inkbuis en omhulsels vir die penne maak. | FOTO: ELIZABETH SEJAKE

kan kry vir die materiaal wat aan sy streng vereistes voldoen.

Volgens D'Oliveira vereis voorraadbeheer deeglike beplanning, want die materiaal kom per sevrage, en opeenhopings by hawens moet in ag geneem word.

Hulle hou drie tot vier maande se onverwerkte materiaal by die fabrieek. “Die fabrieek kan nie staan nie. Dit is ‘n doodsonde.”

Hy sê die balpunt en ink is die belangrikste komponente in die

## Vir onderwysers

Onderwysers is gaande oor Bic se skryfbehoeftes-onderwyserspak met penne en allerlei skryfbehoeftes wat die maatskappy gratis in Suid-Afrika versprei.

'n Onderwysers wat 'n video gemaak en op Facebook geplaas het van hoe sy dié boks vol skryfbehoeftes uitpak, het belangstelling in die projek laat vlamvat. Die projek het verlede jaar begin en sowat 270 bokse is reeds aan onderwysers uitgedeel.

Onderwysers wat meer wil weet, kan Bic se Facebook-blad of webblad besoek.

## In die familie

Die Bich-familie hou steeds die beherende aandeel in Bic.

Gonzalve Bich, uitvoerende hoof, is die derde slag familielid aan die stuur van die onderneming. Sy oupa en die stigter, Marcel Bich, word beskryf as die man wat 'n algehele omwenteling in skryf te weeggebring het.

Die maatskappy-argiewe vertel Bich was aanvanklik skepties oor balpunte, aangesien van die eerste dikwels geleek het en duur was. Hy het die patent vir die balpunte vir \$2 miljoen van László Bíró gekoop wat sedert 1943 balpunte in Argentinië vervaardig het.

Bich het die balpunt van vlekrye staal ontwerp wat die penne laat gly en in 1950 is die Bic Crystal-pen gebore.

In 1973 het Bic 'n weggooibare sigareetaansteker bekend gestel en twee jaar later was die eerste weggooibare skeermes op die mark.

pen. Albei word van die Bic-fabrieek in Frankryk ingevoer.

“Die penne hou so lank en skryf so verdanksy die hoë gehalte van die ink.

“Bic-penne is bekostigbaar. In die maatskappy praat ons nie van ‘n goedkoop pen nie, maar ‘n pen wat waarde vir geld bied,” sê D'Oliveira.

Regskennis-gewings

REGSKENNISGEWINGS & TENDERS

VERKOOP VAN SAAK

WHITE & CASE KENNISGEWING - VERKOOP VAN BESIED

Ingevolge artikel 34(1) van die Insolvensiewet, Wet 24 van 1936, soos gewysig, gee **Comair Limited** (registrasie nommer 1967/006783/06), van 2-4 Fortress Road, Rhodesfield, Kempton Park, Gauteng 1619 ("Verkoper") hiermee kennis van sy voorneme om sy besied, bedryf onder die naam "EPT Aviation Training Proprietary Limited", "Alt Training Academy", "Global Training College South Africa" and "Aconagua 32 Investments Proprietary Limited", wat 'n (Airbus en Boeing simulator besied) met enige ander besied die Verkoper of enige van sy filiale van tyd tot tyd bedryf, insluitend al die goedere en eiendoms wat deel daarvan uitmaak, so wervys in die asset sale agreement, onderhawig aan die vervulling van sekere opskortende voorwaardes, as 'n lopende saak aan Pindax Proprietary Limited (registrasie nommer 2022/479568/07) ("Koper") oor te dra na die verloop van 'n tydperk van minstens 30 dae en hoogstens 60 dae na die datum waarop hierdie kennisgewing vir die laaste keer gepubliseer word, waarna die Koper sodanige besied vir sy eie voordeel en rekening sal bedryf.

WHITE & CASE SOUTH AFRICA INC.

Katherine Towers, 1st Floor 1 Park Lane, Wierda Valley Sandton, Johannesburg, 2196

Tel: 082 787 9497

E-pos: Brian.Jennings@white-case.com

Werv: B. Jennings / Comair

COMAIR JUN 2/WIC/A065



REGSKENNISGEWING

Groter Mangaung Water Aanvullingskema: Xhariep Pyplyn Projek, Mangaung Metropolitaanse Munisipaliteit, Vrystaat Provinsie (DBVO Verv: 14/12/16/3/31/2996)

Kennisgewing van Aansoek vir Omgewingsmagtiging en Watergebruikslisensie

Die Departement van Water en Sanitasie (DWS) beoog om 'n 'n drinkwaterpyplyn wat deel vorm van 'n water aanvullingskema vanaf die Gariep Damwal te bou. Die pyplyn sal 'n aansluitingspunt hê by die bestaande grootmaat waterverspreidingsstelsel vir die Groter Bloemfontein Watervoorsieningsstelsel (GBWSS). Die voorgestelde skema deurkruis die Xhariep Distrikmunisipaliteit en die Kopanong Plaaslike Munisipaliteit, sowel as die Mangaung Metropolitaanse Munisipaliteit. Die projek bestaan uit drie sleutel (interne) belanghebbendes: (i) DWS Hoofkantoor (ii) Vaal Sentrale Wateraad, en (iii) Mangaung Metropolitaanse Munisipaliteit. Die projek val in die bestek van die Strategiese Geïntegreerde Projekte (SIPS) 18 en 19, naamlik Water en Sanitasie Infrastruktuur. Zutari (Edms) Bpk is aangestel as die onafhanklike omgewingskonsultante om die omgewingsmagtigings- en watergebruikslisensie aansoeke te onderneem. Die Departement van Bosbou, Visserye en die Omgewing (DBVO) is die bevoegde owerheid wat die aansoek sal oorweeg.

Voorgestelde projek komponente: Die voorgestelde roete staan bekend as Skema 1B en sal 'n drinkwaterpypleiding wees vanaf die Gariep Dam tot by Bloemfontein (meestal langs die N1) en Botshabelo / Thaba Nchu. Dit sal bestaan uit die volgende infrastruktuur:

- Aansluiting by bestaande pyplyn, stroomaf van die Gariep Dam
- 'n Lae-lig pompstasie by, of naby, die aansluiting met die Gariep Dam
- 'n Watersuiweringswerke (WTW) met 'n hoë-lig pompstasie
- 'n Bulk reservoir
- 'n Aanjaerpompstasie
- 'n Tweede Bulk reservoir
- Die pyplynroete vanaf die Gariep Dam tot by die aansluitingspunte in Bloemfontein asook naby Rustfontein WTW (verskaf water aan Botshabelo / Thaba Nchu)

Wetlike raamwerk: 'n Omgewingsmagtigingsproses word gevolg in terme van die Nasionale Wet op Omgewingsbestuur (WNOP, Wet Nr. 107 van 1998, soos gewysig) deur middel van 'n Basiese Invloedbepalingsproses (BIBP), ingevolge die 2014 Omgewingsinvloedbepalings (OIB) Regulasies, soos gewysig. 'n Watergebruikslisensie aansoek (WA) in terme van die Nasionale Waterwet (Wet Nr. 36 van 1998) word ook gevolg. Die gelyste aktiwiteite in die regulasies van toepassing tot die projek is as volg:

| Nasionale Omgewingswet - BIBP  | Nasionale Waterwet - WA   |
|--|---|
| Bevoegde Owerheid: DBVO  | Bevoegde Owerheid: DWS  |
| <ul style="list-style-type: none"><li>Lysing kennisgewing 1, Aktiwiteite 9, 11, 12, 13, 14, 19 en 27 (Aktiwiteite wat bemagtiging vereis deur middel van 'n Basiese Invloedbepalingsproses)</li><li>Lysing kennisgewing 3, Aktiwiteite 4, 10 en 12 (Aktiwiteite wat geografies gebonde is en wat bemagtiging vereis deur middel van 'n Basiese Invloedbepalingsproses)</li></ul> | <ul style="list-style-type: none"><li>Gedeelte 21 (a): Onttrekking van water vanuit 'n waterbron</li><li>Gedeelte 21 (b): Waterberging</li><li>Gedeelte 21 (c): Belemmering en afleiding van die vloei van 'n rivier.</li><li>Gedeelte 21 (j): Die verandering van die beddings, banke, loop en eienskappe van 'n rivier.</li><li>Gedeelte 21 (g): Wegdoen van afval in so 'n manier wat 'n nadelige impak op 'n waterhulpbron kan hê</li></ul> |

Publieke deelname prosesse: Die Konsep Basiese Invloedbepalingsverslag (KIBV) is beskikbaar vir kommentaar vir 'n tydperk van 30 dae, vanaf 3 Junie 2024 tot 4 Julie 2024, by die onderstaande plekke:

- Harde kopieë by: Gariepdam Biblioteek - Patrysstraat 11; Edenburg Biblioteek - Kerkstraat 16; Trompsburg Biblioteek - Voortrekkerstraat 78; Louierpark Biblioteek - Hoek van Doringkiaal- & Nanabessiestrate, Louierpark, Bloemfontein
- Elektroniese afskrif by: <https://geoverse.zutari.com/portal/apps/experiencebuilder/experience/?id=2f48681c19a24836bfc03da3c653c3a> of <https://www.dws.gov.za/projects.aspx>

Kommentaar kan op die watergebruikslisensie aansoek gelewer word vir 'n periode van 60 dae, vanaf 3 Junie 2024 tot 5 Augustus 2024.

Indien u as 'n Belanghebbende en Geaffekteerde Party (B&GP) wil registreer en/of kommentaar wil lewer, word u uitgenooi om dit asseblief skriftelik te doen, of deur die gebruik van die aanlynregistrasie en kommentaarvorm as u ondergenoemde aanlynskakels volg: <https://survey123.arcgis.com/share/592a24050e154524b919d662e9a37b3e?portalUrl=https://geoverse.zutari.com/portal>, of per epos na [xhariep@zutari.com](mailto:xhariep@zutari.com). Indien nodig, kan u ook binne kantoorure telefonies by Marianna Taljaard registreer, op +27-44-8055410.

# Numsa spog ná bedinging van bo-inflasieverhogings

Gideon du Plessis

Vakbondfokus

Die loononderhandelinge by die Bedingsraad vir die Metaal- en Ingenieursbedryf (MEIBC) is onlangs afgehandel en die metaalwerkersvakbond Numsa spog dat hulle bo-inflasieverhogings beding het.

Terselfdertyd het die werkgewersorganisasie Seifsa vir Numsa gelooft omdat hulle vinnig tot 'n ooreenkoms ingestem het, want dit het hulle in staat gestel om voor die algemene verkiesing hul kontakte in die departement van arbeid en werkskepping te oorreed om spoedig die driejaarsooreenkoms na niepartye uit te brei.

Met Seifsa as die grootste werkgewersorganisasie en Numsa as die grootste vakbond betrokke by die loononderhandelinge is MEIBC-ooreenkomste gewoonlik 'n uitvloeisel van dié twee se agteraf gekonkel en die uitsluiting van die vyf ander vakbonde en vyf werkgewersorganisasies wat ook by die onderhandelinge betrokke is.

Die gevaarlike het reeds in Februarie tydens die MEIBC-kollektiewe bedingingskonferensie begin flikker toe Numsa se hoofsekretaris, Irvin Jim, voorgestel het dat die verhogings van die vorige ooreenkoms bloot herhaal word en 'n “versoeter”, in die vorm van 'n behuisingvoordeel, bygevoeg word.

In reaksie daarop het Seifsa se president, Elias Monage, wat voorheen Numsa se tesourier was, aangevoer dat Seifsa “toevallig” aan 'n soortgelyke voorstel gedink het en dat van Mibfa, die bedryf se pensioenfonds, se surplusfondse vir die behuisingprojek aangewend word.

Vanuit die staanspoor van die onderhandelinge was dit duidelik dat Seifsa en Numsa reeds 'n ooreenkoms bereik het. Numsa het dit nie eens nodig geag om hul looneise by die aanvang van onderhandelinge te motiveer nie. Toe Solidariteit 'n omvattende aanbieding doen rakende die invloed van inflasie op huishoudings, was Numsa erg beswaard en het aangevoer dat die aanbieding kortgeknip moes word omrede dit Numsa in 'n slegte lig stel en tyd mors.

Een van Seifsa se mede-onderhandelars het erken daar is inderdaad agteraf onderhandel en Numsa het tot sy verbasing aangedring dat

15 jaar oue Hennessy ('n duur konjak) voorgesit word toe die ooreenkoms beklink is.

Intussen gaan Numsa se lede nog uitvind dat die gemiddelde verhoging van 6% op die minimum loonskale per poskategorie bereken word, en min werkers kwalifiseer vir die volle verhoging.

Vaardige werknemers op die hoër loonskale word veral nadelig geraak en gaan verhogings van tussen 2% en 3% ontvang en daarom het Solidariteit nie die ooreenkoms onderteken nie.

In teenstelling met Seifsa, het die ander werkgewersorganisasies weens die hoë minimum loonvlakke vir ongeskoolde werkers nie die ooreenkoms onderteken nie en verlang hulle 'n gunstiger vrystellingsproses. Die hoë lone vir ongeskoolde werkers is 'n uitvloeisel van Seifsa wat Numsa wou paai deur die sogenaamde apartheid-loongaping te verklein en vir meer as 20 jaar ontvang ongeskoolde werkers heelwat hoër verhogings as vaardige werknemers.

Die gevolg is terwyl die nasionale uurlikse minimum loon R27,58 is, die MEIBC-intreeloon vir ongeskoolde werkers R63,14 is, of 'n maandelikse salaris van R12 250 beteken.

Sewe posvlakke hoër is die uurlikse loon vir vaardige ambagslui R104, of R20 176 per maand.

Volgens Gerhard Papenfus, uitvoerende hoof van die werkgewersorganisasie Neasa, gaan die nuwe loonskale die risiko vir afleggings van ongeskoolde werkers verhoog, terwyl meer vaardige werknemers kan emigreer.

'n Verdere kommer oor die Numsa-Seifsa-ooreenkoms gaan oor die plundering van Mibfa se surplusfondse.

Sowel Numsa as Seifsa voer reeds aan dat R2 miljard van die surplusfondse vir behuising bewillig gaan word, en die aankondigings geskied in die afwesigheid van enige gesprekvoering in of goedkeuring deur Mibfa-strukture.

Die transaksiebeklinker vir Numsa en Seifsa in die loononderhandelinge was die Mibfa-finansierde behuisingsooreenkoms.

Die vraag dan: Wie gaan voordeel trek uit die aankoop van die grond waar die huise gebou gaan word, en wie gaan die kontrakte kry om die huise te bou?

Die Seifsa-Numsa-alliansie is 'n onheilige alliansie en die nie-ondertekenaars van die loon-ooreenkoms het drie jaar om die alliansie op te breek.

■ Gideon du Plessis is hoofsekretaris van Solidariteit.



# APPENDIX 4: LIBRARY TRANSMITTALS











# APPENDIX 5: BACKGROUND INFORMATION DOCUMENT (BID)

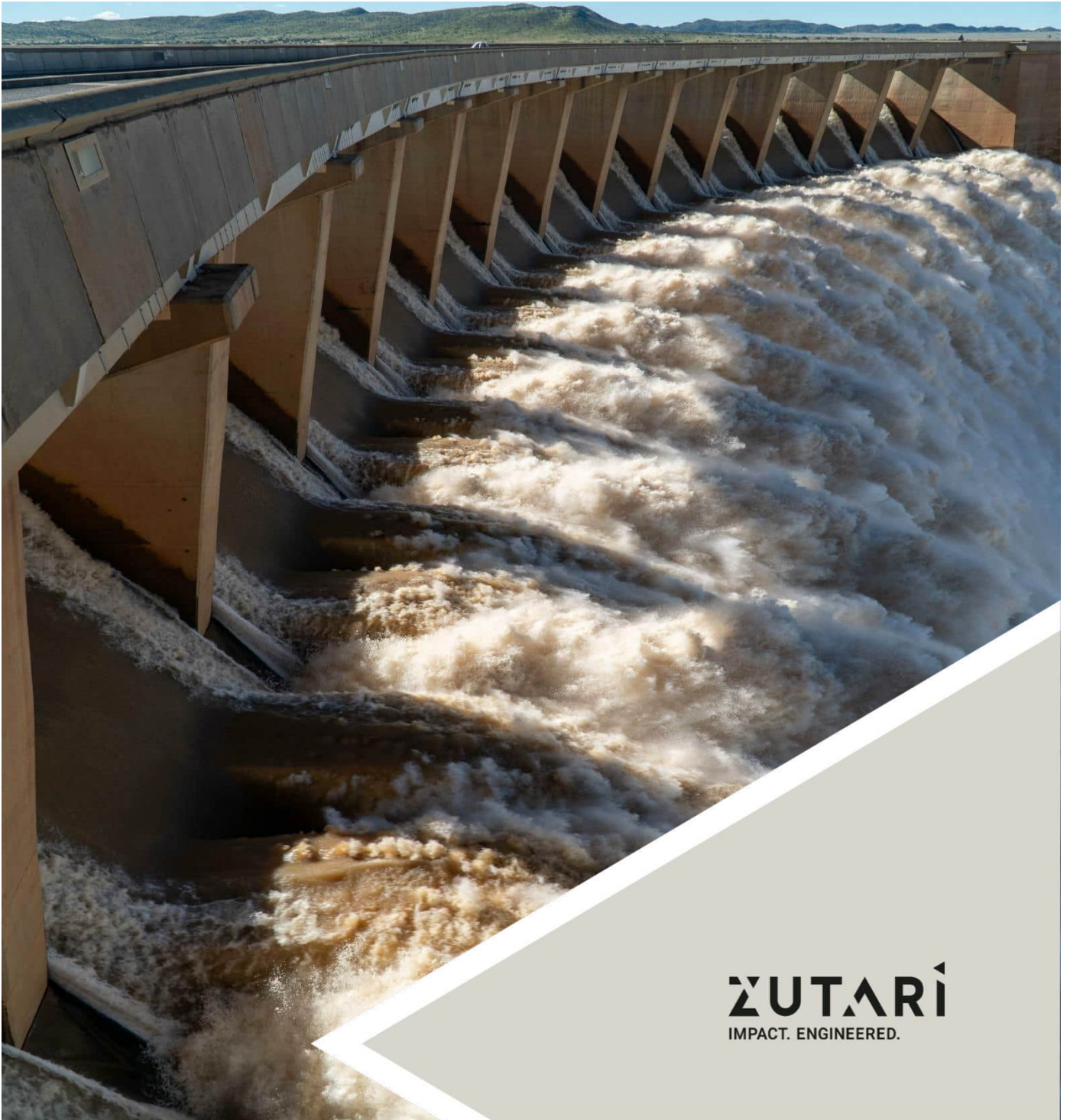


## Background Information Document

# Greater Mangaung Water Augmentation Project: Xhariep Pipeline, Mangaung Metropolitan Municipality, Free State

JUNE 2024

DEPARTMENT OF WATER AFFAIRS AND SANITATION



**ZUTARI**  
IMPACT. ENGINEERED.

## PURPOSE OF DOCUMENT

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

### **Invitation to comment and register as an Interested and Affected Party (I&AP)**

You are invited to register as an I&AP for the Basic Assessment Report (BAR) process for the proposed Xhariep Pipeline Project.

Should you wish to hear more about the project or wish to comment or raise issues, please complete the enclosed Registration and Comment Form and return it to:

**Genie de Waal**  
Public Participation Facilitator  
**Zutari**

### **CONTACT DETAILS:**

xhariep@zutari.com  
083 564 1530

## INTRODUCTION

The Department of Water and Sanitation (DWS) is proposing to construct a potable water pipeline from the Gariep Dam wall connecting to the existing bulk water distribution system for the Greater Bloemfontein Water Supply System (GBWSS). The proposed scheme will traverse the Xhariep District Municipality (XDM) and the Kopanong Local Municipality (KLM) in particular, as well as the Mangaung Metropolitan Municipality (MMM). The entire project will be located in the Free State Province.

The Xhariep Pipeline Project was originally identified in the 2012 Reconciliation Strategy for the GBWSS as an augmentation project to supply the area's future water demands.

Several other interventions were identified in the Strategy, but this project focuses on the Xhariep Pipeline from Gariep Dam tying into the bulk water network of the GBWSS.

MMM previously applied for Environmental Authorisation (EA) through a Basic Assessment process which has since lapsed. Additionally, this study, in line with the DWS regional perspective, has added new pipeline route options and the position of infrastructure components have changed.

The proposed Xhariep project will involve abstraction at the Gariep dam from existing outlet pipes in the Gariep Dam, a raw water pumping station, and transfer pipelines to a water treatment works (WTW) located at a suitable site near the Gariep dam. The treated water will be pumped to Bloemfontein and Rustfontein WTW with command reservoirs and booster pumpstations along the route. Support services for bulk power and communication will be provided.

## PROPOSED ROUTE

The proposed route is known as **Scheme 1B** and will be a potable pipeline from Gariep Dam to Bloemfontein (mostly along the N1) and Botshabelo / Thaba Nchu consisting of the following:

- Tie-in at existing pipeline downstream of Gariep Dam
- The low lift pump station at or near the connection to the Gariep Dam,
- A WTW with a high lift pump station,
- A command reservoir,
- A booster pump station,
- A 2<sup>nd</sup> command reservoir,
- The entire pipeline route from the Gariep Dam to the connection points in Bloemfontein and near Rustfontein WTW (supplying Botshabelo / Thaba Nchu).

Scheme 1B shown as the purple lines in *Figure 1*, Scheme 1A (previously authorised route) is shown in orange for comparative purposes. The Scheme 1B route follows the N1 highway from Gariep Dam but turns eastwards before reaching Tierpoort Dam. The pipeline continues to a command reservoir east of the R702 where it splits into two gravity lines, one feeding Bloemfontein, tying into the MMM bulk network, while the other feeds Botshabelo / Thaba Nchu, tying into the Vaal Central Water Board (VCWB) bulk network. Scheme 1B is potable water to be treated at a new WTW close to Gariep Dam.



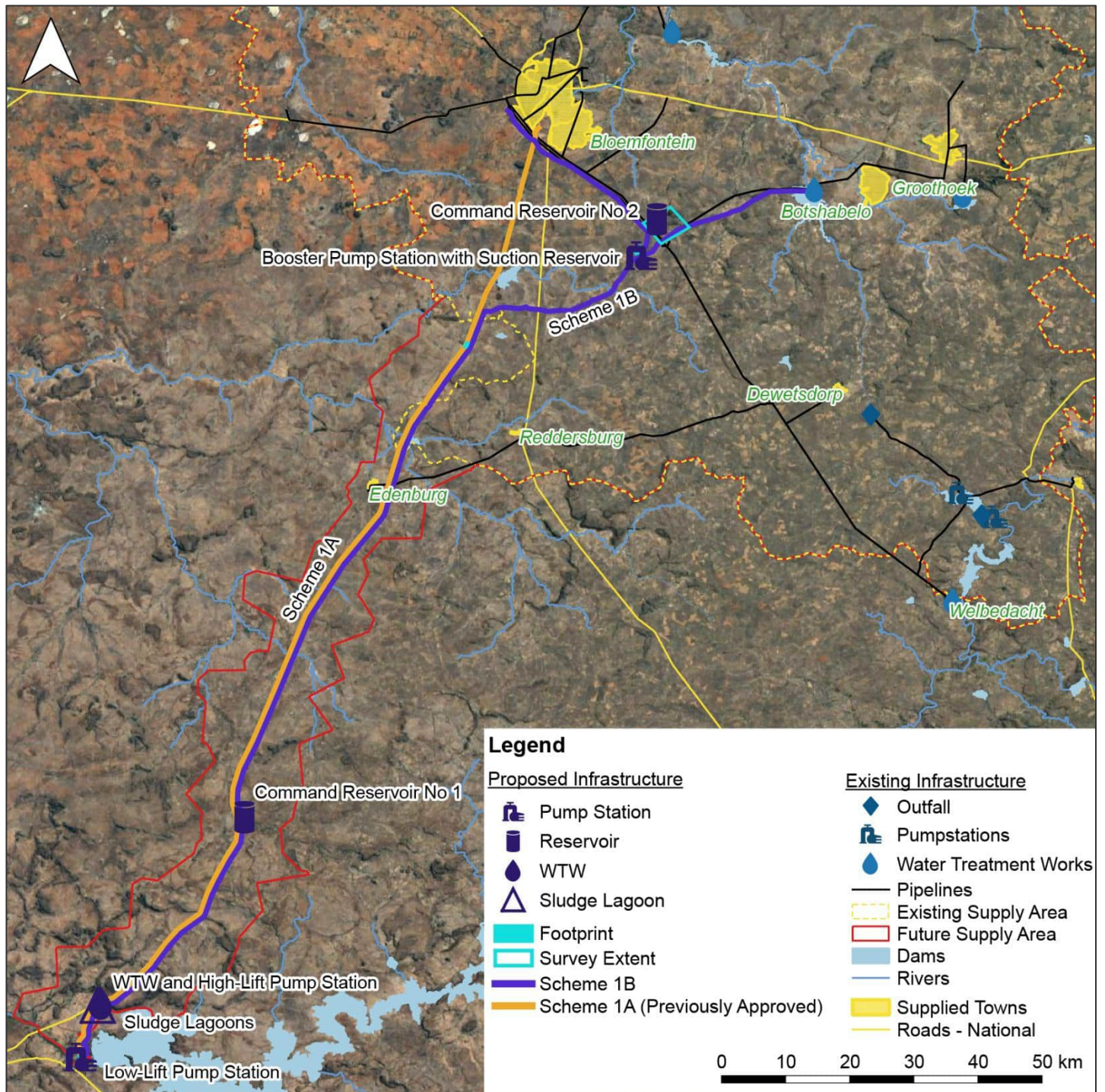


Figure 1: Scheme 1B for the Xhariep Pipeline Project

## LEGAL PROCESS

The following EA and licence applications must be approved per the relevant national legislation:

- An application for EA in terms of the National Environmental Management Act No. 107 of 1998 (NEMA) via a Basic Assessment process, per the 2014 EIA Regulations, as amended.
  - Listing Notice 1, Activity 9, 11, 12, 13, 14, 19 and 27 (Activities which require authorisation *via* a Basic Assessment)
  - Listing Notice 3, Activity 4, 10 and 12 (Activities that or geographically bound and which require authorisation *via* a Basic Assessment)
- A Heritage Assessment according to Section 38 of the National Heritage Resources Act (NHRA, Act 25 of 1999).
- A Water Use License Application (WULA) process in terms of the National Water Act, 1998 (Act No. 36 of 1998) for the following water uses:
  - Section 21 (a): Abstraction of water from a water resource
  - Section 21 (b); Storage of water
  - Section 21 (c): Impeding and diverting the flow of a watercourse.
  - Section 21 (i): Altering the beds, banks, course and characteristics of a watercourse.
  - Section 21 (g): Disposing of waste in a manner which may detrimentally impact on a water resource.

Through the Basic assessment process and PPP, potential environmental issues will be identified and assessed.

The results of this assessment will be presented in the Draft Basic Assessment Report.

All registered I&APs will be afforded an opportunity to comment on this report before the report is submitted to the component authority the Department of Forestry, Fisheries, and the Environment (DFFE) as well as the Department of Water and Sanitation (DWS) for review and decision-making.

## PUBLIC PARTICIPATION PROCESS (PPP)

A single integrated PPP will be undertaken for both the Basic Assessment and WULA processes and will be facilitated by Zutari in compliance with all legislative requirements. The associated PPP is aimed at:

- Developing an understanding of the project area;
- Developing an understanding of the proposed and anticipated development and how its related activities may potentially impact the surrounding environment;
- Identifying relevant stakeholders, regulatory authorities and I&APs to engage in the process;

- Facilitating the dissemination of information to the relevant authorities and I&APs and providing them with an opportunity to raise issues or concerns related to the project;
- Identifying potential issues and environmental impacts, through specialist studies;
- Assessing the significance of the potential environmental impacts identified;
- Describing and investigating alternatives that have been and or could be considered; and
- Providing feasible mitigation measures to address any significant impacts identified from the activities to be authorised.

## HOW CAN YOU PARTICIPATE

Public involvement is an integral part of the BAR and WULA processes and aims to include I&APs in the process by informing them of the proposed project and providing an opportunity to submit comments. Anyone can participate in the process by:

- Registering as an I&AP by completing and returning the attached Registration and Comments form by email to [xhariep@zutari.com](mailto:xhariep@zutari.com), or simply by emailing your contact details, or by using the online response form at the below link and QR code:

<https://survey123.arcgis.com/share/592a24050e154524b919d662e9a37b3e?portalUrl=https://geoverse.zutari.com/portal>



- If you wish to register telephonically, or would like further information, please contact Marianna Taljaard during office hours on +27-44-805 5410.
- Reviewing the draft BAR.

The Draft BAR will be available for review for a period of 30 days from 3 June 2024 to 4 July 2024. This report can be accessed on the project web page at the Zutari webpage link <https://geoverse.zutari.com/portal/apps/experiencebuilder/experience/?id=2f48681c19a24836bcfc03da3c653c3a> or at the DWS webpage link <https://www.dws.gov.za/projects.aspx> or in hard copy format at the following public libraries:

- Gariepdam Library - 11 Patrys Street
- Edenburg Library - 16 Church Street
- Trompsburg Library - 78 Voortrekker Street
- Lourierpark Library - Cnr Doringklaat & Nanabessie Streets





The comment period for the WULA will run from 3 June 2024 to 5 August 2024, a period of 60 days.

- Comments must be submitted in writing.
- To hear more, you are invited to attend a public information sharing meeting on 11 June 2024 at the below times and locations:
  - 08:00 – 10:30: Gariep Dam, de Stijl Gariep Hotel, 2 Aasvoel Street
  - 12:30 – 15:00: Trompsburg, Trompsburg Primary School (Kuier & Kleits Sentrum), 392 Wessels Street
  - 18:00 – 20:30: Bloemfontein, Protea Hotel by Marriott Bloemfontein Willow Lake, 101 Henry Street, Willows

# Registration and Comment Form:

## Greater Mangaung Water Augmentation Project: Xhariep Pipeline, Mangaung Metropolitan Municipality, Free State

|                              |  |             |  |
|------------------------------|--|-------------|--|
| TITLE                        |  | FIRST NAME  |  |
| INITIALS                     |  | SURNAME     |  |
| ORGANISATION                 |  |             |  |
| YOUR INTEREST IN THE PROJECT | (Please indicate whether for the BAR, the WULA, or both) |             |  |
|                              |  |             |  |
| POSTAL & PHYSICAL ADDRESS    |  |             |  |
|                              |  | POSTAL CODE |  |
| LANDLINE TEL NO              |  | CELL NO     |  |
| EMAIL ADDRESS                |  |             |  |

**COMMENTS** (please use separate sheets if you wish)

|  |
|--|
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|  |

### THANK YOU FOR YOUR PARTICIPATION

Zutari places a high premium on the privacy & personal information of our stakeholders. The processing of personal information is subject to the Protection of Personal Information Act (POPIA), Act No. 4 of 2013.

As a responsible party, Zutari is entrusted with the personal information of many stakeholders such as yourself, potential clients, staff and service providers and we are therefore obligated to process this information in line with the law.

# APPENDIX 6: EMAIL MEETING INVITE

## Marianna Taljaard

---

**From:** Xhariep  
**Sent:** Tuesday, 04 June 2024 13:30  
**To:** Xhariep; Genie De Waal; Corlie Steyn; Marianna Taljaard; Wynand Loftus  
**Subject:** XHARIEP WATER PIPELINE: NOTIFICATION OF INFORMATION-SHARING MEETINGS:  
DFFE Ref No: 14/12/16/3/3/1/2996

**Importance:** High

Dear interested and/or affected party

The public participation process has now commenced for the above project – the comment period for the draft Basic Environmental Assessment Report and Water Use Licence application opened yesterday, and a series of three information-sharing meetings are scheduled for 11 June 2024 as follows:

- \* *Gariep Dam: 08:30 to 10:30: de Stijl Gariep Hotel, 2 Aasvoel Street*
- \* *Trompsburg: 12:30 to 15:00: Trompsburg Primary School (Kuier & Kleits Sentrum), 392 Wessels Street*
- \* *Bloemfontein: 18:00 to 20:30: Protea Hotel by Marriott Bloemfontein Willow Lake, 101 Henry Street, Willows*

You are most welcome to join any of these meetings that may be convenient for you.

Below is the proposed agenda for these engagement meetings:

1. Reception
2. Welcome and Introduction
3. Attendance and Apologies
4. Acceptance of the Agenda
5. Project Background
6. Schemes/Options Evaluated
7. Details of Preferred Scheme/Option
8. Basic Assessment Process
9. Public Participation Process
10. Project Timeframes
11. Questions

Please feel free to forward this invite to your neighbours and adjacent landowners, and members of the various agricultural associations in the area.

We look forward to meeting you, to discuss the proposed project and to respond to any questions/concerns you may wish to pose to the project team.

Kind regards  
Genie

**Genie De Waal** *ND Business Computing*

SENIOR CONSULTANT: PUBLIC PARTICIPATION | ZUTARI

---

**E** [Genie.deWaal@zutari.com](mailto:Genie.deWaal@zutari.com) **W** [zutari.com](http://zutari.com)

DISCLAIMER



# APPENDIX 7: PPP PRESENTATION

# Greater Mangaung Water Augmentation Project **XHARIEP PIPELINE FEASIBILITY AND BASIC ASSESSMENT STUDIES**

## **Public Participation Meeting**

Chair: Mr Stephan Kleynhans

Designation: Study Leader

Consultant: Zutari

Date: 11 June 2024

**WATER IS LIFE - SANITATION IS DIGNITY**



**water & sanitation**

Department:  
Water and Sanitation  
**REPUBLIC OF SOUTH AFRICA**



# PROPOSED AGENDA

1. Reception
2. Welcome and Introduction
3. Attendance and Apologies
4. Acceptance of the Agenda
5. Project Background
6. Schemes/Options Evaluated
7. Details of Preferred Scheme/Option
8. Basic Assessment Process
9. Public Participation Process
10. Project Timeframes
11. Questions

# AGENDA

1. Reception
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9. Public Participation Process
10. Project Timeframes
11. Questions





# WELCOME AND INTRODUCTION

- Chairperson is Mr Stephan Kleynhans, Study Leader
- Meeting register to be signed
- Minutes will be compiled by Zutari
- Meeting purpose:
  - Disseminate study information and progress
  - Share the environmental authorisation process
  - Describe the public participation process
  - Invite feedback on this presentation and other matters

# AGENDA

1. Reception
2. Welcome and Introduction
3. Attendance and Apologies
4. Acceptance of the Agenda
5. Project Background
6. Schemes/Options Evaluated
7. Details of Preferred Scheme/Option
8. Basic Assessment Process
9. Public Participation Process
10. Project Timeframes
11. Questions



# ATTENDANCE AND APOLOGIES

- Each person present to complete attendance register
- Any apologies to be noted

# AGENDA

1. Reception
2. Welcome and Introduction
3. Attendance and Apologies
4. Acceptance of the Agenda
5. Project Background
6. Schemes/Options Evaluated
7. Details of Preferred Scheme/Option
8. Basic Assessment Process
9. Public Participation Process
10. Project Timeframes
11. Questions





# ACCEPTANCE OF THE AGENDA

- Put forward proposals
- Agree on agenda

# AGENDA

1. Reception
2. Welcome and Introduction
3. Attendance and Apologies
4. Acceptance of the Agenda
5. Project Background
6. Schemes/Options Evaluated
7. Details of Preferred Scheme/Option
8. Basic Assessment Process
9. Public Participation Process
10. Project Timeframes
11. Questions



# PROJECT BACKGROUND

## Feasibility Study Context

- **Water Reconciliation Strategy Study (2012)** for the Larger Bulk Water Supply Systems: Greater Bloemfontein Area identified that the Greater Bloemfontein Water Supply System (GBWSS) would need to secure a sustainable water supply for the future water demands in the area.
- The area experienced **water shortages** since 2015 and the major surface water augmentation scheme option, now called the Greater Mangaung Water Augmentation Project – Xhariep Pipeline, was accelerated.
- Vaal Central Water Board (VCWB), previously known as BloemWater, and Mangaung Metropolitan Municipality (MMM) independently investigated the same three route options from Gariep Dam to tie-in points within the GBWSS area. Each institution reached a different conclusion as to which of the three was the best route/scheme.
- Department of Water and Sanitation (DWS, the Client) appointed Zutari to complete the pre-feasibility study, which included reviewing all previous studies, and recommending the **optimal scheme from a national and regional perspective**.

# AGENDA

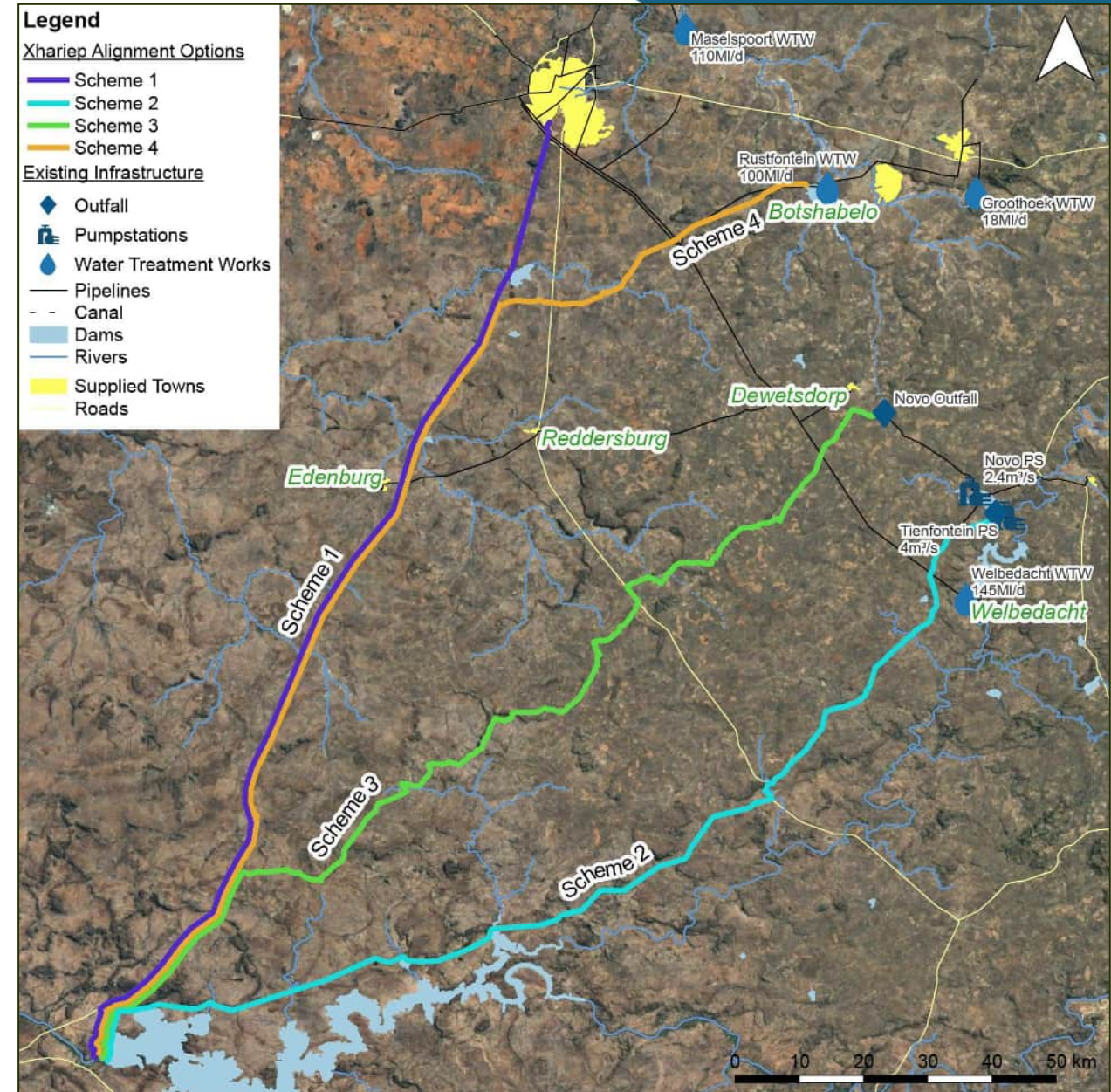
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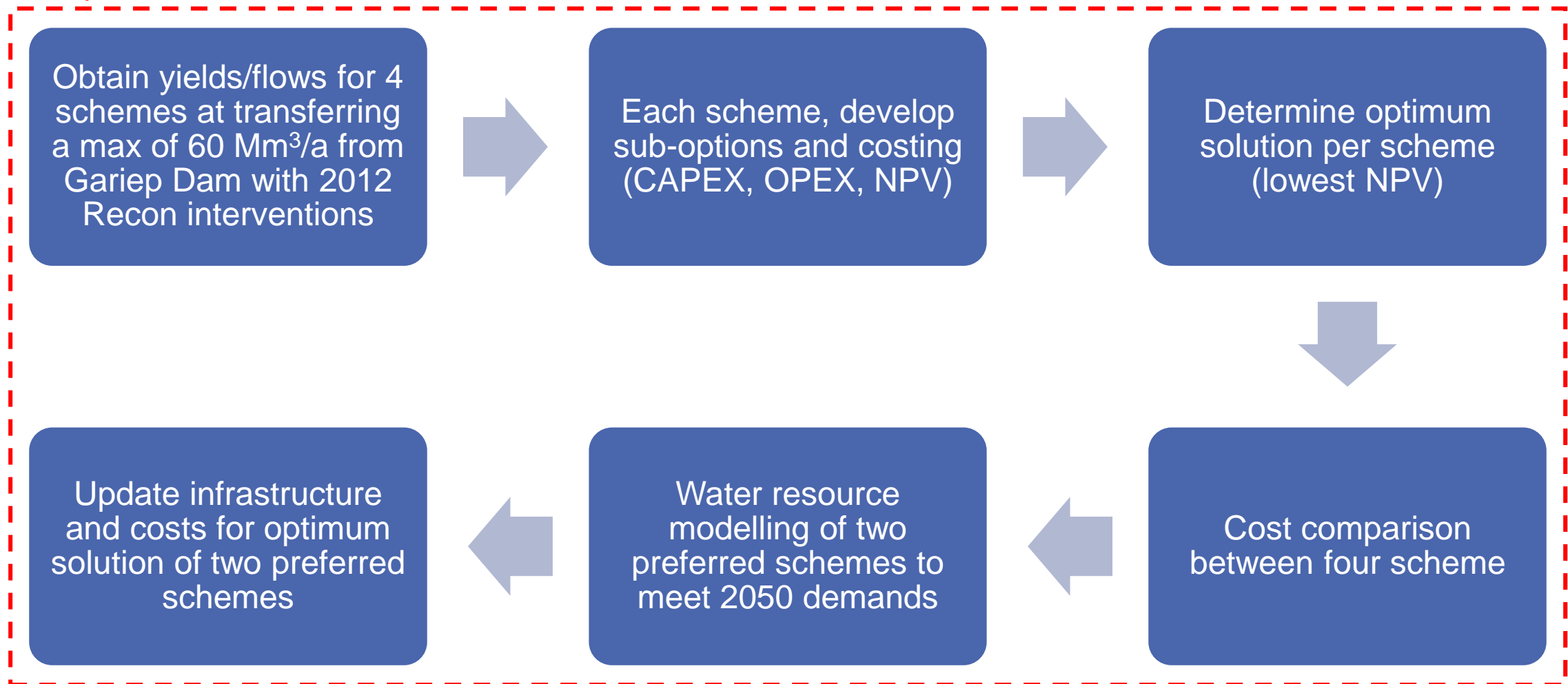
# POSSIBLE GARIEP DAM TRANSFER SCHEMES

- **Scheme 1:** Direct potable supply from Gariep Dam to Mangaung Metropolitan Municipality
- **Scheme 2:** Raw water supply from Gariep Dam to Knellpoort Dam
- **Scheme 3:** Raw water supply from Gariep Dam to Novo Outfall
- **Scheme 4:** Raw water supply from Gariep Dam to Rustfontein Dam



# SCHEME DEVELOPMENT & COMPARISON PROCESS

*Completed*



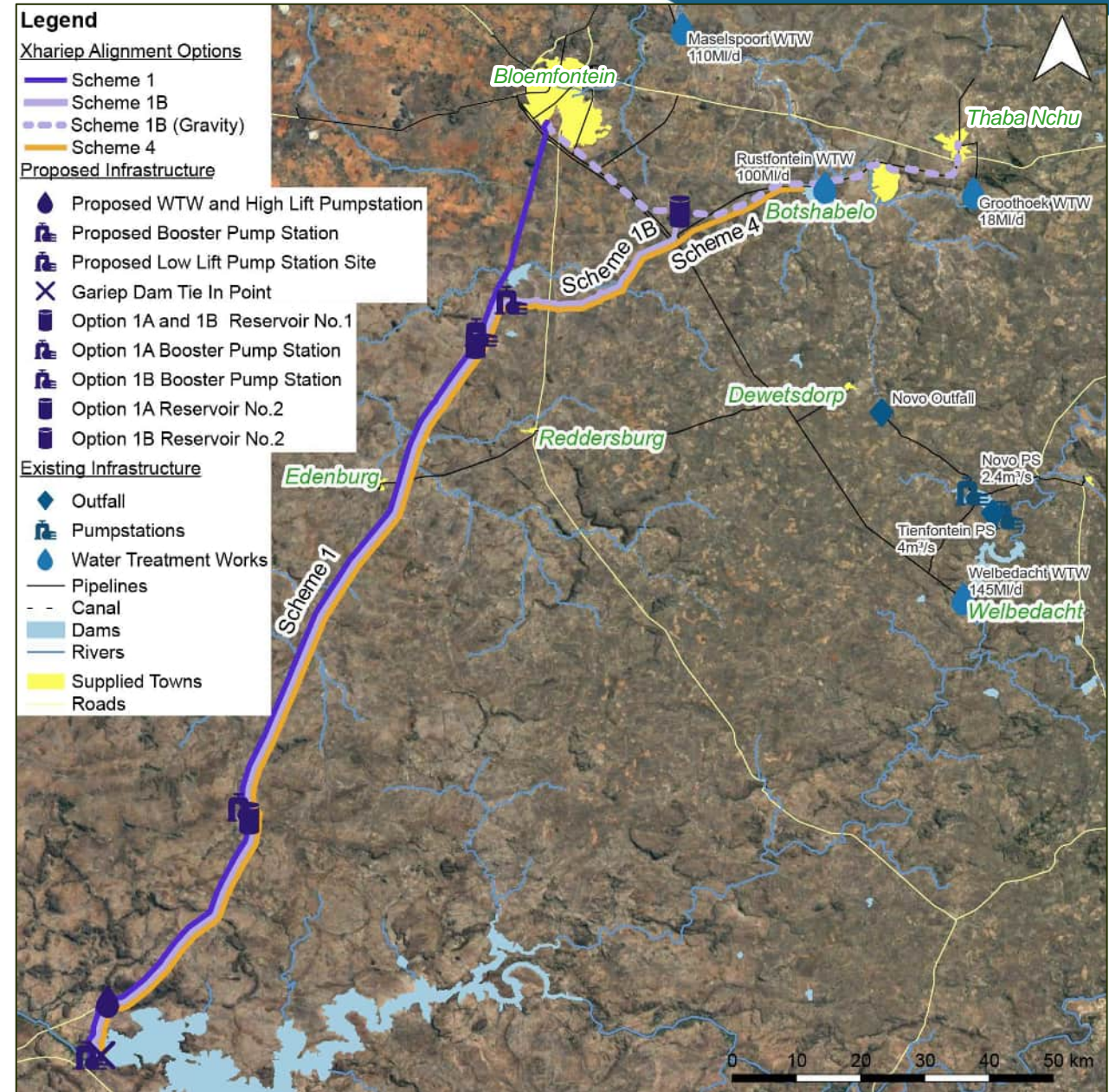
# INFRASTRUCTURE INTEGRATION / OPERATIONAL CONSIDERATIONS

- Meeting held with DWS, VCWB and MMM on 2 November 2023 where following matters were specifically raised:
  - Botshabelo and Thaba Nchu are currently experiencing higher level of restrictions – only supplied from Rustfontein WTW
  - VCWB previously preferred Scheme 2 (raw water to Knellpoort) due to greater operational flexibility (e.g. raw water can be supplied from Knellpoort to Welbedacht, Rustfontein and Maselspoort WTW's)
  - Scheme 1 (potable water to MMM) cannot supply other demand nodes than MMM, also limited in supplying northern areas of MMM
  - Supply of potable water to towns along pipeline route remains important consideration
- According to MMM and VCWB, Schemes 1 and 4 (or 2) have limitations in terms of resilience and overall flexibility required
- A hybrid of Schemes 1 and 4, called Scheme 1B, was subsequently evaluated as a possible scheme to address shortcomings of Schemes 1 and 4 (or 2)



# INFRASTRUCTURE SCHEME 1B (HYBRID)

- Direct potable supply from Gariep Dam to new Command Reservoir
- Gravitate from new Command Reservoir to both MMM and Botshabelo/Thaba Nchu
- Towns along pipeline route can be supplied with potable water
- Note – for increased transfer from Gariep Dam to satisfy 2050 demands, schemes were renumbered as follow:
  - Scheme 1 = Scheme 1A
  - Scheme 4 = Scheme 4B
  - Scheme 1B (new hybrid scheme)





# ENVIRONMENTAL SCREENING - SUMMARY

| Description | Very high | High | Medium | Low |
|-------------|-----------|------|--------|-----|
| Scheme 1    | 4         | 3    | 1      | 1   |
| Scheme 2    | 3         | 3    | 0      | 3   |
| Scheme 3    | 3         | 3    | 0      | 3   |
| Scheme 4    | 4         | 3    | 0      | 2   |

- Schemes 2 & 3 have six themes with a rating of high and very high
- Schemes 1 & 4 have seven themes with a rating of high and very high
- Scheme 1 was previously authorised – as such, no fatal flaws
- Schemes 4 and 1B follow predominantly the same alignment as Scheme 1
- Based on environmental considerations and sensitivities, all schemes are expected to be similar

# SYSTEM SUPPLY RISK ANALYSIS – SUMMARY

| Scheme                        | % of Supply to: | Failure of supply from: |                 |                |                 |
|-------------------------------|-----------------|-------------------------|-----------------|----------------|-----------------|
|                               |                 | Gariep WTW              | Maselspoort WTW | Welbedacht WTW | Rustfontein WTW |
| 1A (Potable to MMM)           | Bloemfontein    | 85                      | 100             | 100            | 100             |
|                               | Botshabelo      | 100                     | 100             | 100            | 10              |
| 1B (Potable hybrid)           | Bloemfontein    | 85                      | 100             | 99             | 100             |
|                               | Botshabelo      | 100                     | 100             | 100            | 83              |
| 4B (Raw water to Rustfontein) | Bloemfontein    | 100                     | 90              | 100            | 100             |
|                               | Botshabelo      | 100                     | 100             | 100            | 10              |

- Scheme 4B can supply 90% of MMM's demand if Maselspoort is out of operation and 10% of Botshabelo and Thaba Nchu's demands can be supplied if Rustfontein is out of operation
- Scheme 1A will result in 10% of Botshabelo and Thaba Nchu's demands being supplied if Rustfontein is out of operation and 85% of MMM's demand if Xhariep is out of operation
- Scheme 1B will be able to supply 83% of Botshabelo and Thaba Nchu's demands should a failure be experienced at Rustfontein.
- [Scheme 1B provides the most resilience and operational flexibility of the three schemes](#)

# CONCLUSIONS

## Water Resources Analysis

- Transfer volumes required from Gariep Dam to meet 2050 demands are 120 million m<sup>3</sup>/a for Schemes 1A and 1B (potable water) and 142 million m<sup>3</sup>/a for Scheme 4B (raw water), respectively. These flows were used to compare schemes.
- Transfer volume required from Gariep Dam to meet 2050 demands for Scheme 1B further reduced to 101 million m<sup>3</sup>/a through optimising operating rules

## Scheme Development and Comparison

- URV values of Schemes 1, 2, 3 and 4 (transferring 60 million m<sup>3</sup>/a) showed that Scheme 4 was most economical of raw water schemes
- URV of Schemes 1 and 4 (transferring 60 million m<sup>3</sup>/a) were comparable
- URV values of Schemes 1A, 1B and 4B (transferring 120 and 142 million m<sup>3</sup>/a) are comparable.
- Scheme 1A (direct potable supply to MMM) cannot supply the 2050 demands to Botshabelo and Thaba Nchu.
- Scheme 4B (raw water supply to Rustfontein) cannot supply potable water to towns along the pipeline route.
- Scheme 1B (potable supply to MMM and Rustfontein) can meet all 2050 demands

# CONCLUSIONS (CONT.)

- Environmental Screening
  - Based on DFFE screening tool, no fatal flaw identified when comparing the schemes.
  - Basic Assessment to be conducted with DFFE confirmed as the competent authority.
- Scheme Risk Analysis
  - Scheme 1B provides the most resilience and operational flexibility of the three schemes.
- Institutional, Socio-Economic and Financing Considerations
  - All three schemes are considered similar in terms of socio-economic benefit, except Scheme 4B that cannot supply potable water to towns along pipeline route
  - Institutional arrangements will be similar for three schemes, i.e. for a given institution, the same arrangements will be applicable irrespective of the choice of scheme
  - Financing arrangement of the schemes will be the same irrespective of the choice of scheme
- Site Investigations
  - Scope of site investigations such that further investigations should not be required during the detailed design phase – will assist with expediting implementation of the project
  - Topographical, geotechnical and water quality testing to be undertaken



# RECOMMENDATIONS

- Option 1B (Hybrid) be confirmed as the preferred scheme for implementation at a maximum transfer capacity of 101 million m<sup>3</sup>/a
- Infrastructure components of preferred scheme (Option 1B) to be further optimised as part of detailed feasibility phase
- Site investigations proceed based on Option 1B
- Environmental authorisation and WULA proceed based on Option 1B

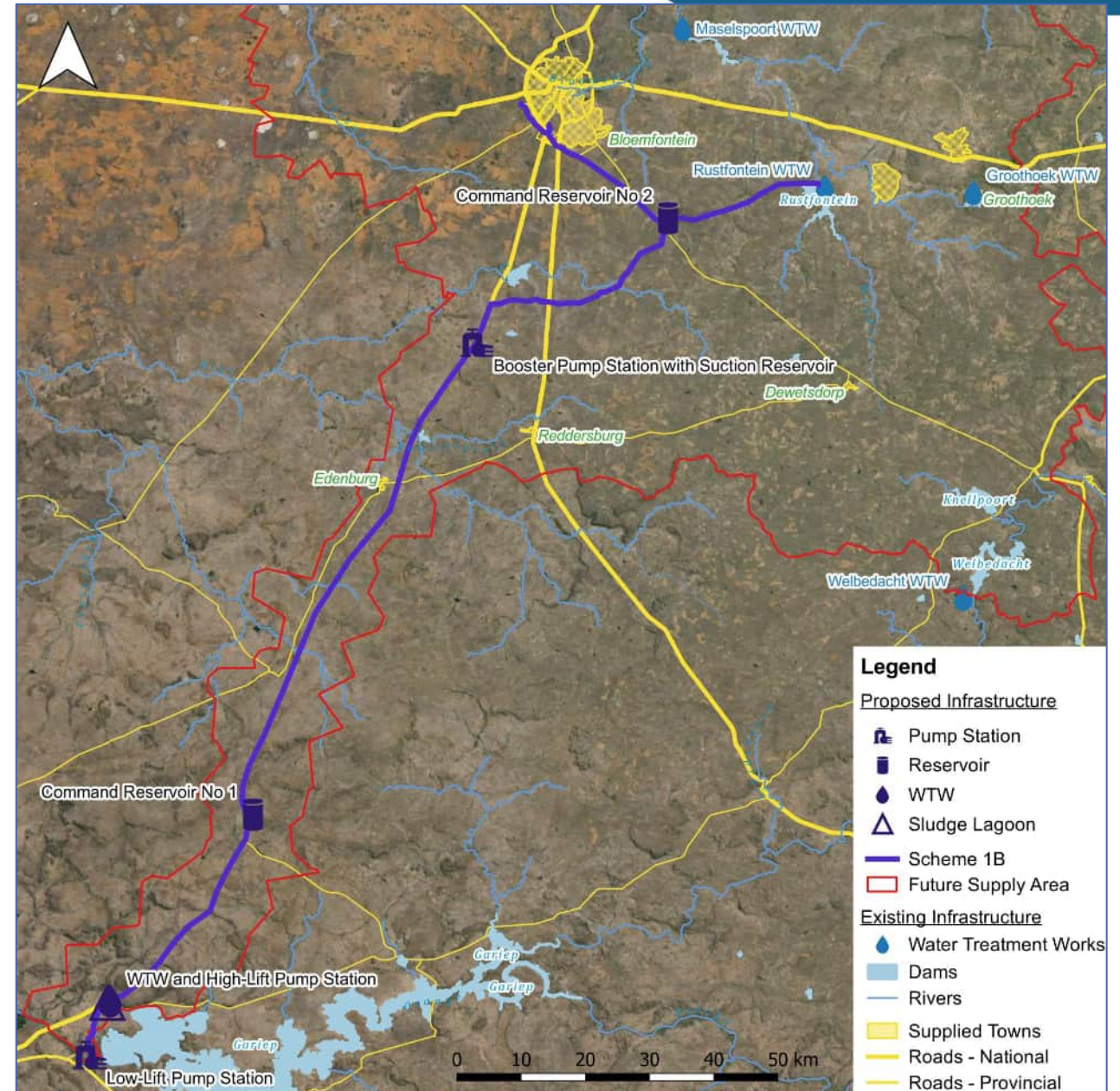
# AGENDA

1. Reception
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12. Closure



# INFRASTRUCTURE SCHEME 1B (HYBRID)

## Overall Layout

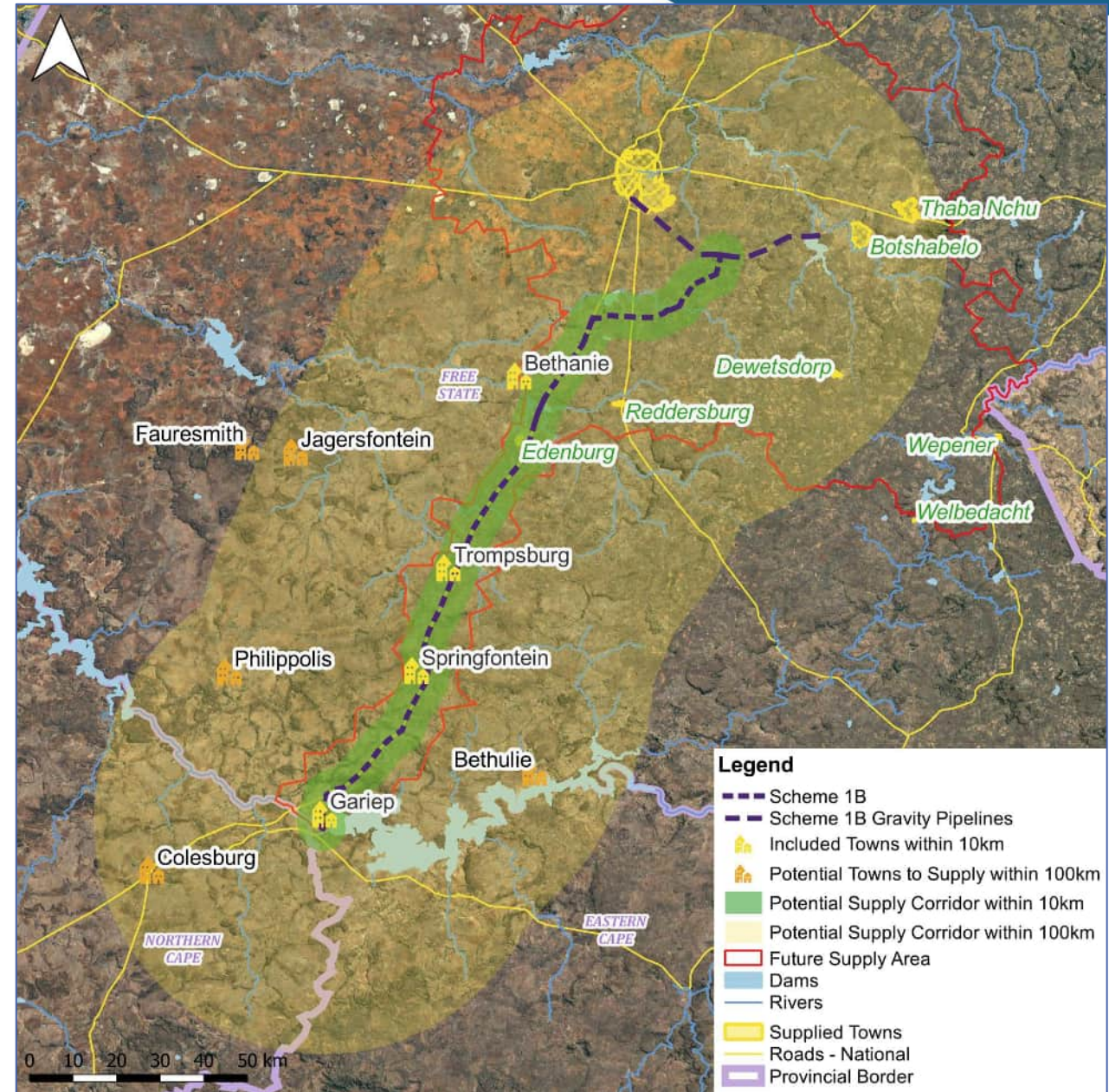




# INFRASTRUCTURE SCHEME 1B (HYBRID)

## Towns and villages to be served

- Towns and villages located within 10 km to be serviced by proposed pipeline.
- Towns and villages located further than 10 km can be incorporated in future – flexibility allowed in design to meet increased demand, if required.





# INFRASTRUCTURE SCHEME 1B (HYBRID)

Low Lift Pumpstation



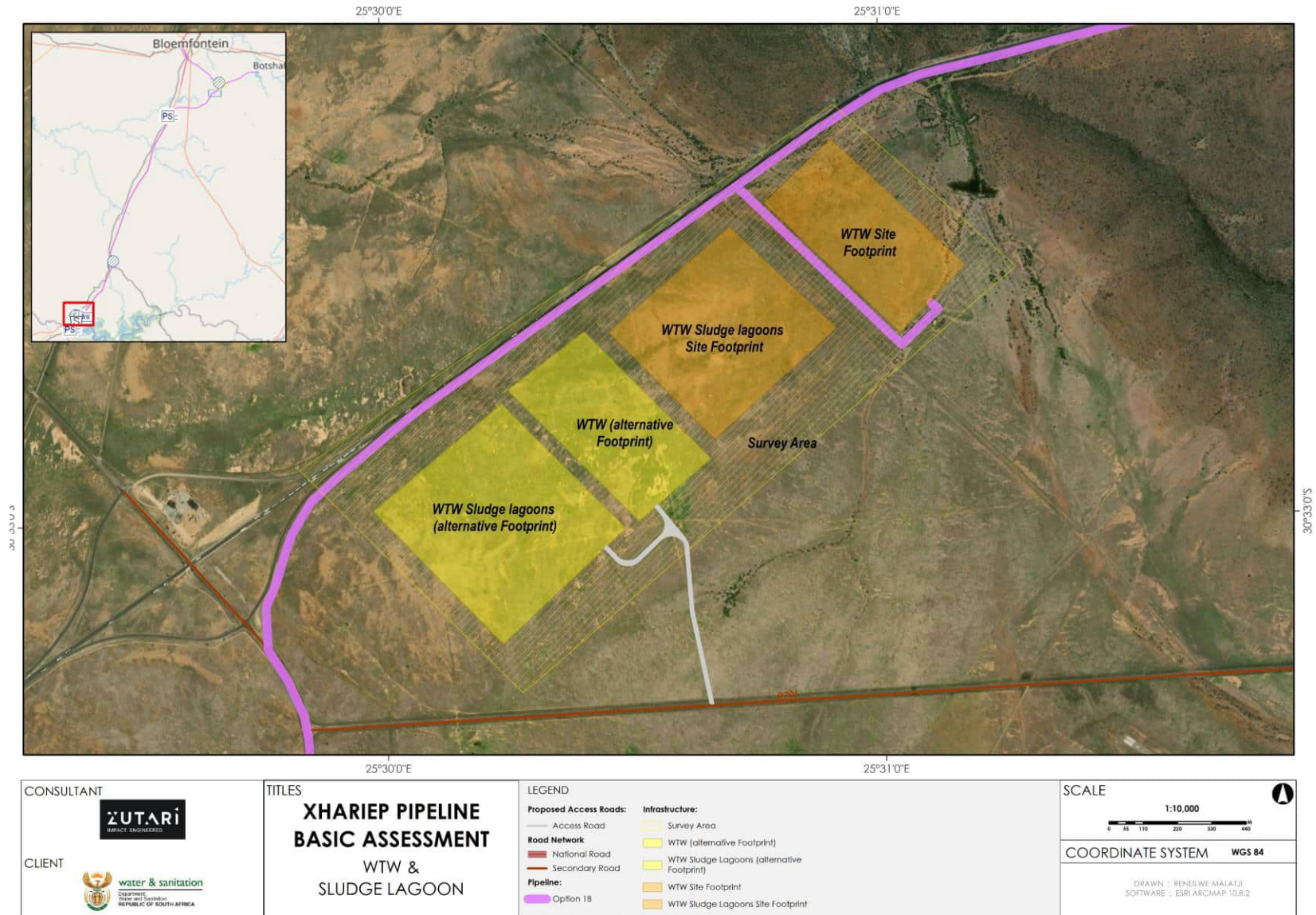
|  |  |  |  |
|--|--|--|--|
| <b>CONSULTANT</b><br><br><b>CLIENT</b><br> | <b>TITLES</b><br><b>XHARIEP PIPELINE<br/>BASIC ASSESSMENT</b><br><b>LOW LIFT<br/>PUMPSTATION</b> | <b>LEGEND</b><br><b>Proposed Access Roads:</b><br>— Access Road<br><b>Pipeline:</b><br>— Option 1B<br><b>Infrastructure:</b><br>— Survey Area<br>— Low Lift Pumpstation Alternative Footprint<br>— Low Lift Pumpstation Site Footprint | <b>SCALE</b><br>1:5,000<br><br><b>COORDINATE SYSTEM</b> WGS 84<br><small>DRAWN : RENEWE MALATJI<br/>SOFTWARE : ESRI ARCMAP 10.8.2</small> |
|--|--|--|--|

Document Path: C:\Users\Renewable\Map\Zutari\1002533 - Xhariep Pipeline - Documents\20 Deliver\203 GIS\0. Review Working Folder\nd\Map Title Changes - Basic Assessment\A3\_XhariepPL\_Info\_LowLiftPump\_Landscape v3.mxd



# INFRASTRUCTURE SCHEME 1B (HYBRID)

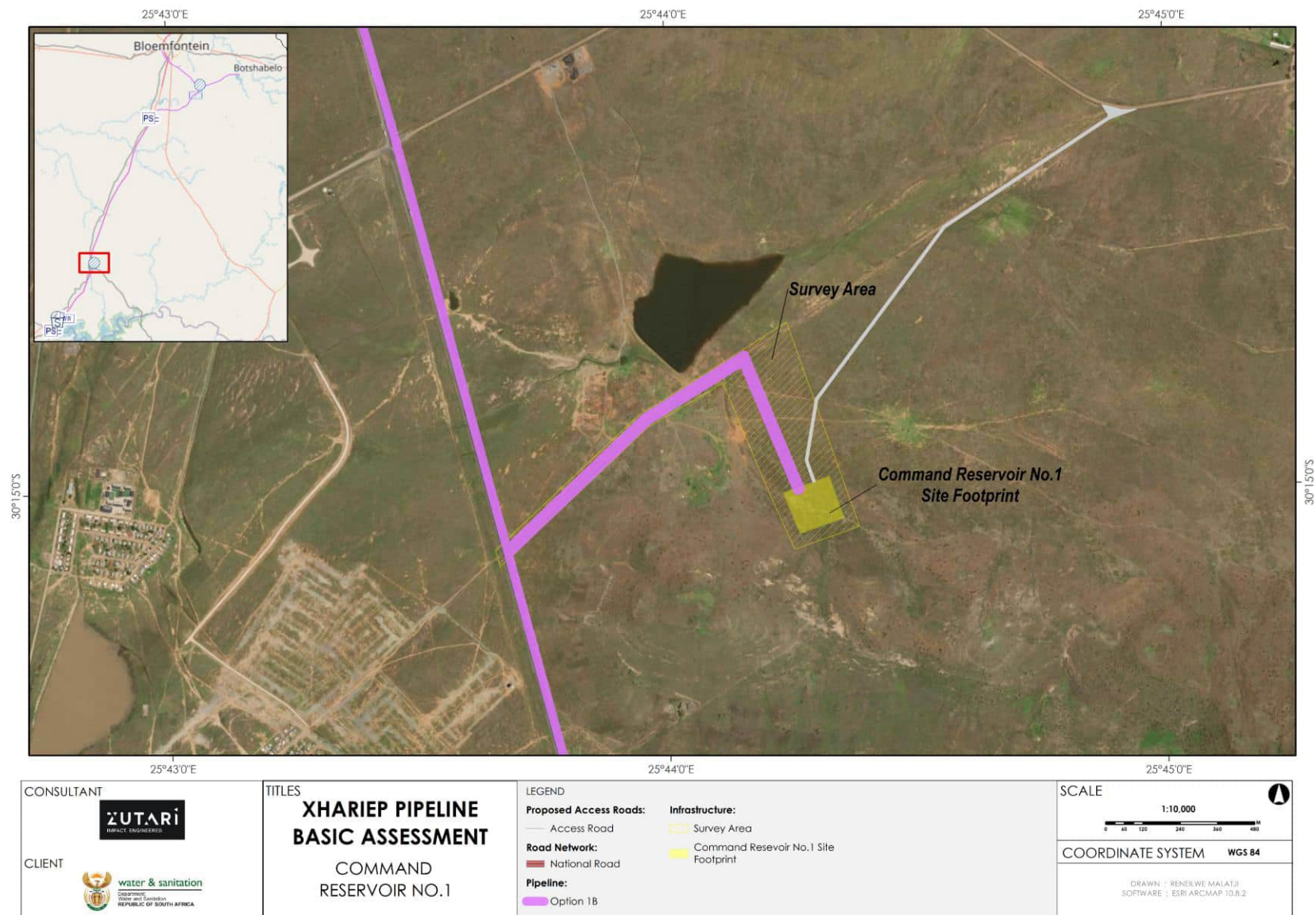
## Water Treatment Works





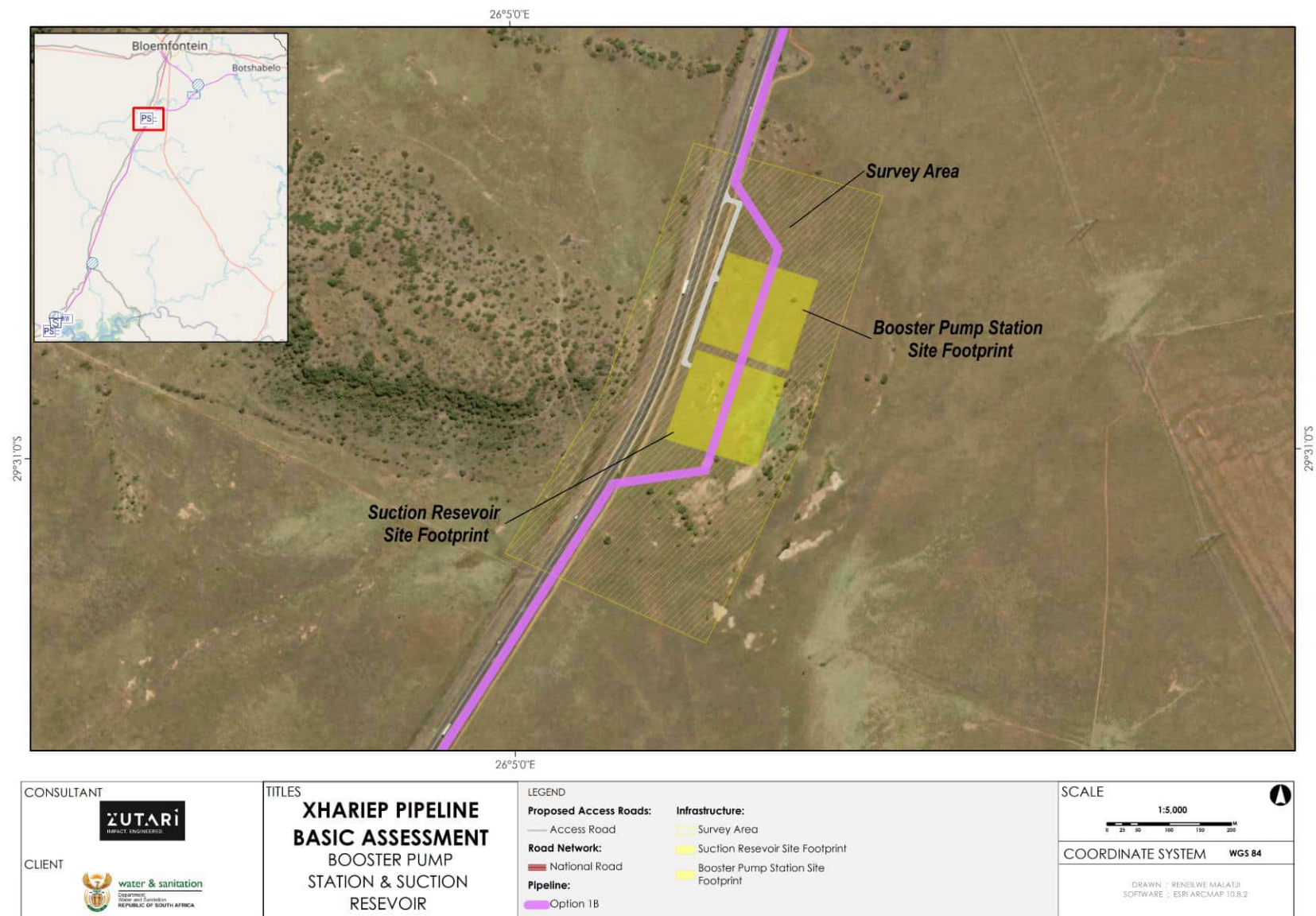
# INFRASTRUCTURE SCHEME 1B (HYBRID)

## Command Reservoir 1



# INFRASTRUCTURE SCHEME 1B (HYBRID)

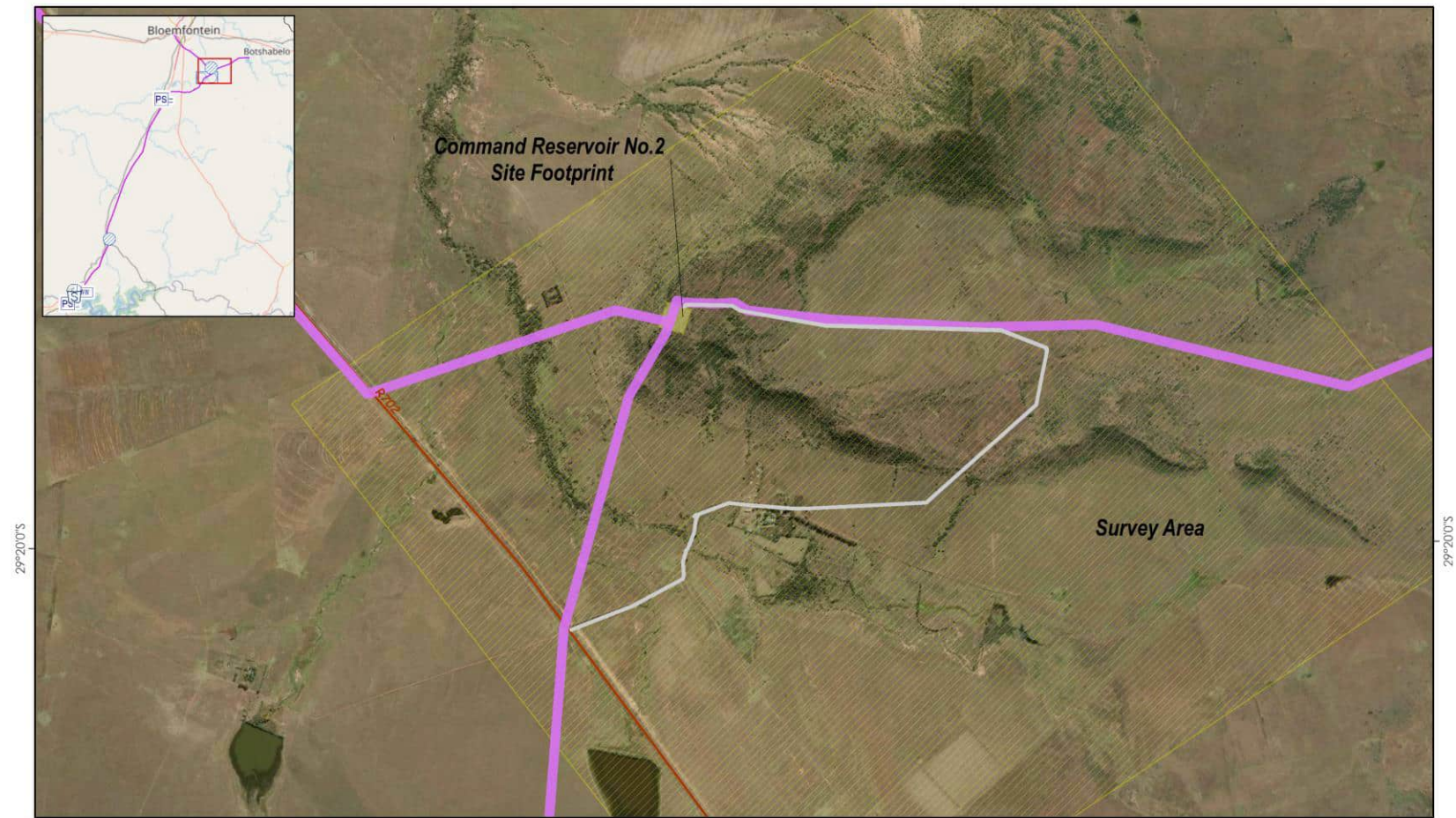
## Booster Pumpstation



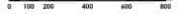




# INFRASTRUCTURE SCHEME 1B (HYBRID)

## Command Reservoir 2



|  |  |  |  |
|--|--|--|--|
| <b>CONSULTANT</b><br><br><b>CLIENT</b><br> | <b>TITLES</b><br><b>XHARIEP PIPELINE<br/>BASIC ASSESSMENT</b><br>COMMAND<br>RESERVOIR NO.2 | <b>LEGEND</b><br><b>Proposed Access Roads:</b><br>— Access Road<br><b>Road Network:</b><br>— Secondary Road<br><b>Pipeline:</b><br>— Option 1B<br><b>Infrastructure:</b><br>— Survey Area<br>— Command Reservoir No.2 Site Footprint | <b>SCALE</b><br>1:20,000<br><br><b>COORDINATE SYSTEM</b> WGS 84<br><small>DRAWN : RENILWE MALATJI<br/>SOFTWARE : ESRI ARCMAP 10.8.2</small> |
|--|--|--|--|

Document Path: C:\Users\Renilwe.Malatji\Zutari\1002533 - Xhariep Pipeline - Documents\03 Deliver\03 GIS\0. Renilwe Working Folder\cmdMap Title Changes - Basic Assessment\A3\_xhariepPL\_infra\_Command Reservoir No.2\_Landscape v3.mxd

# SCHEME 1B INFRASTRUCTURE COMPONENTS FOR OPTIMISED YIELD (101 MILLION M<sup>3</sup>/A)

## Xhariep infrastructure (DWS)

- Low lift pump station (330 MI/d, 5 500 kW installed capacity)
- Raw water rising main, DN 1800, length = 10 478 m
- Water treatment works, 315 MI/d
- High lift potable pump station (315 MI/d, 16 500 kW installed capacity)
- Potable water rising main, DN 1800, length = 176 372 m
- Two 80 MI command reservoirs
- Booster pump station (315 MI/d, 6 500 kW capacity)
- Gravity pipeline to MMM, DN 2000, length = 31 371 m
- Gravity pipeline to Rustfontein, DN 1400, length = 24 515 m

## MMM infrastructure upgrades

- Upgrade Maselspoort WTW, additional 10 MI/d
- Upgrade reticulation reservoirs/networks as per MMM masterplan

## VCWB infrastructure upgrades

- Upgrade Rustfontein WTW, additional 114 MI/d
- Upgrade Rustfontein to Botshabelo pipeline, DN 1200, length = 9 820 m
- Upgrade Botshabelo to Thaba Nchu pipeline, DN 800, length = 24 490 m
- Upgrade reticulation reservoirs/networks as per VCWB masterplan

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# BASIC ASSESSMENT PROCESS

## Context for current BA

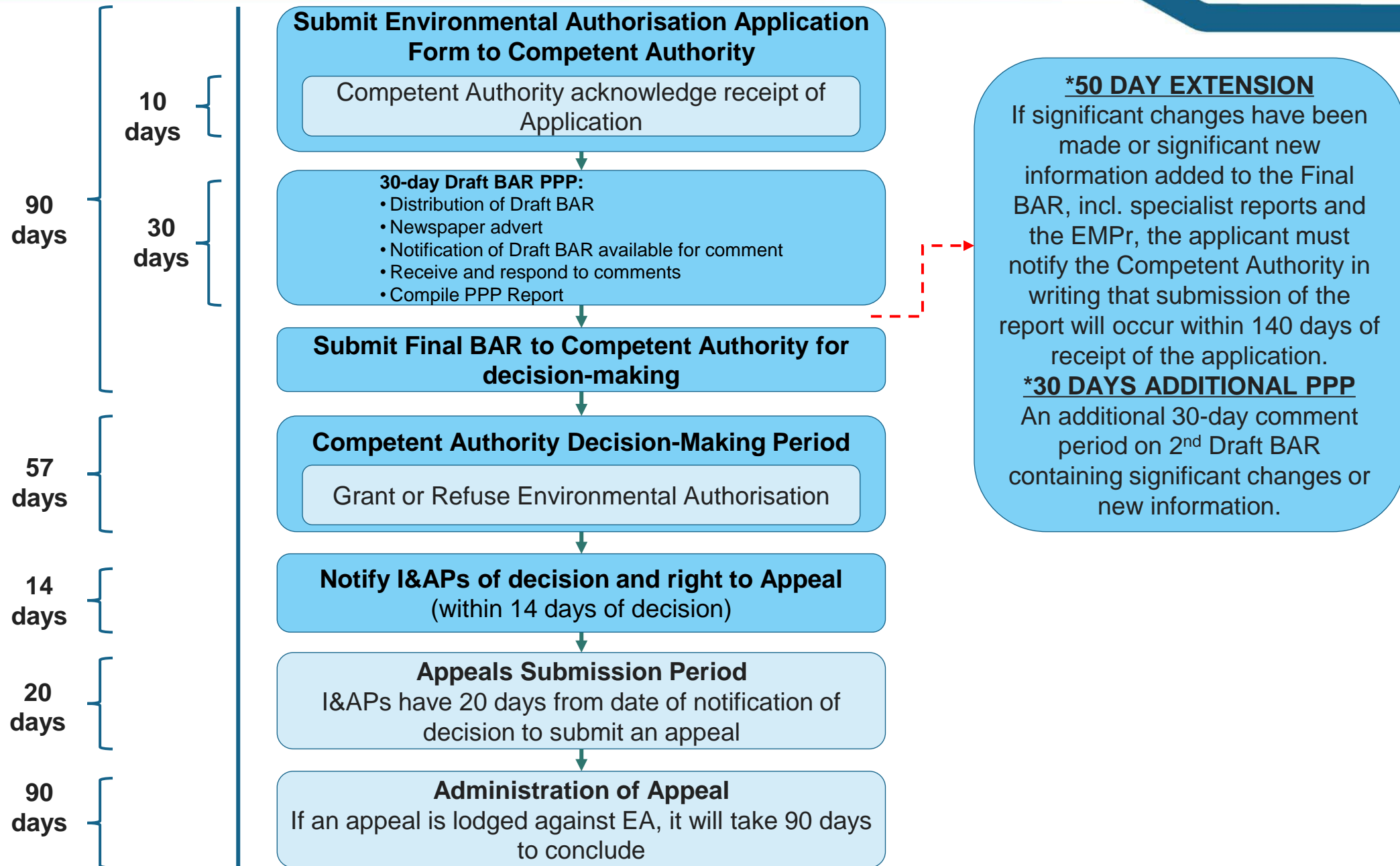
- MMM applied for Environmental Authorisation (via Basic Assessment) which has since lapsed. Additionally, this study, in line with the DWS perspective, has added new pipeline route options and the position of infrastructure components have changed.
- The new applicant is the Department of Water and Sanitation (DWS) Head Office.
- The Basic Assessment (BA) process is undertaken in terms of regulations 19 and 20 of the 2014 NEMA EIA Regulations (as amended) as listed activities from Listing Notice 1 and 3) are triggered.
- A separate Water Use License Application process (WULA) is also followed in terms of the Water Act and share a Public Participation Process (PPP) comment period with the BA process.
- The Xhariep Pipeline Project (Scheme 1B) also falls into the ambit of Strategic Integrated Projects (SIPS 18 and 19): Water and Sanitation Infrastructure which are nationwide projects in all provinces with the aim to address the estimated backlog of adequate water supply to 1.4 million households and 2.1 million households to basic sanitation.



# BASIC ASSESSMENT PROCESS

## Summary of the key dates of the Draft BAR Process

- The BA Application form was submitted to DFFE on 7 May 2024.
- DFFE confirmed receipt and accepted the application form on 13 May 2024.
- Lodging hard copies of the Draft BAR at the public libraries and making a digital copy available online – 3 June 2024
- Notification of potential I&APs, affected landowners, neighbouring landowners and state departments of availability of the Draft BAR for review and comment – 3 June 2024
- Last day to submit comment on Draft BAR – 4 July 2024
- Submit Final BAR to DFFE – End of July 2024
- DFFE provide decision on application – 57-days from date of submission of Final BAR to issue decision.
- Notification of registered I&APs of DFFE decision and appeal process – upon receipt of DFFE decision.



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# PUBLIC PARTICIPATION PROCESS

## Notification Process

- **BID** – a Background Information Document (BID) has been sent out to all I&APs who were on the previous I&AP list, as obtained from GladAfrica (previous consultants), as well as to newly-identified I&APs, hand delivered (where possible) to landowners along the proposed pipeline route and placed along with the draft BAR hard copies in the four identified public places namely: (i) Gariepdam Municipal Offices, (ii) Edenburg Public Library, (iii) Trompsburg Public Library and (iv) Lourierpark Public Library
- **Written notice** – Written notices have been sent to registered I&APs. This notification will inform the reader of the availability of the draft BAR, where and when to access it and where to send a comment. Written notices were distributed via email
- **Site Notices** – The availability of the Draft BAR was advertised via sixteen (16) site notices placed at strategic locations along the project.
- **Newspaper advert** – The availability of the Draft BAR was advertised in the 'The City Press and the "Rapport" newspapers on 2 June 2024 and informed the public of the public participation opportunities and the availability of the Draft BAR for comment.



# PUBLIC PARTICIPATION PROCESS

## Links to information and contact number

- **Comment period:** The Draft BAR is available for comment for 30-days from the 3rd of June 2024 to the 4th of July 2024. The electronic copy to the draft BAR is accessible via either of the following links:
- **Zutari website:**  
<https://geoverse.zutari.com/portal/apps/experiencebuilder/experience/?id=2f48681c19a24836bcfc03da3c653c3a>
- **DWS website:** <https://www.dws.gov.za/projects.aspx>
- If you wish to register as an Interested and Affected Party and/or submit comments or concerns, please do so in writing by either using the online registration and comment form at these links:
  - <https://survey123.arcgis.com/share/592a24050e154524b919d662e9a37b3e?portalUrl=https://geoverse.zutari.com/portal> or by sending an email to [xhariep@zutari.com](mailto:xhariep@zutari.com).
- If necessary, you may also register telephonically during office hours with **Marianna Taljaard** at **+27-44-805-5410**.

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


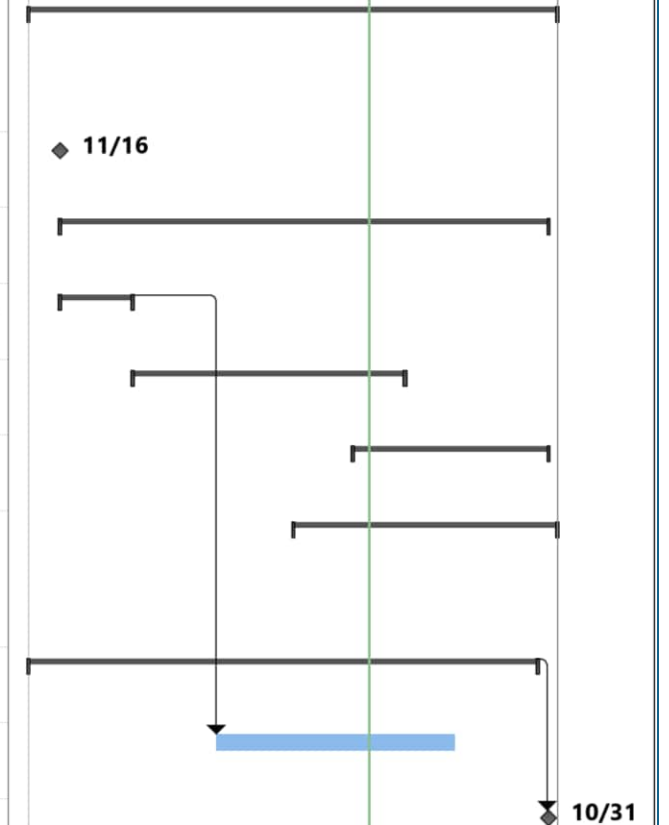
# STUDY PROGRAMME

- Site investigations, detailed design, environmental authorisation and water use license application processes all underway
- Latest study programme indicates that:
  - All designs and technical reports to be completed by end Sep 2024
  - Close-out documentation will be finalised by end Oct 2024
  - Submissions for environmental authorisation and water use license will happen within study period

# STUDY PROGRAMME

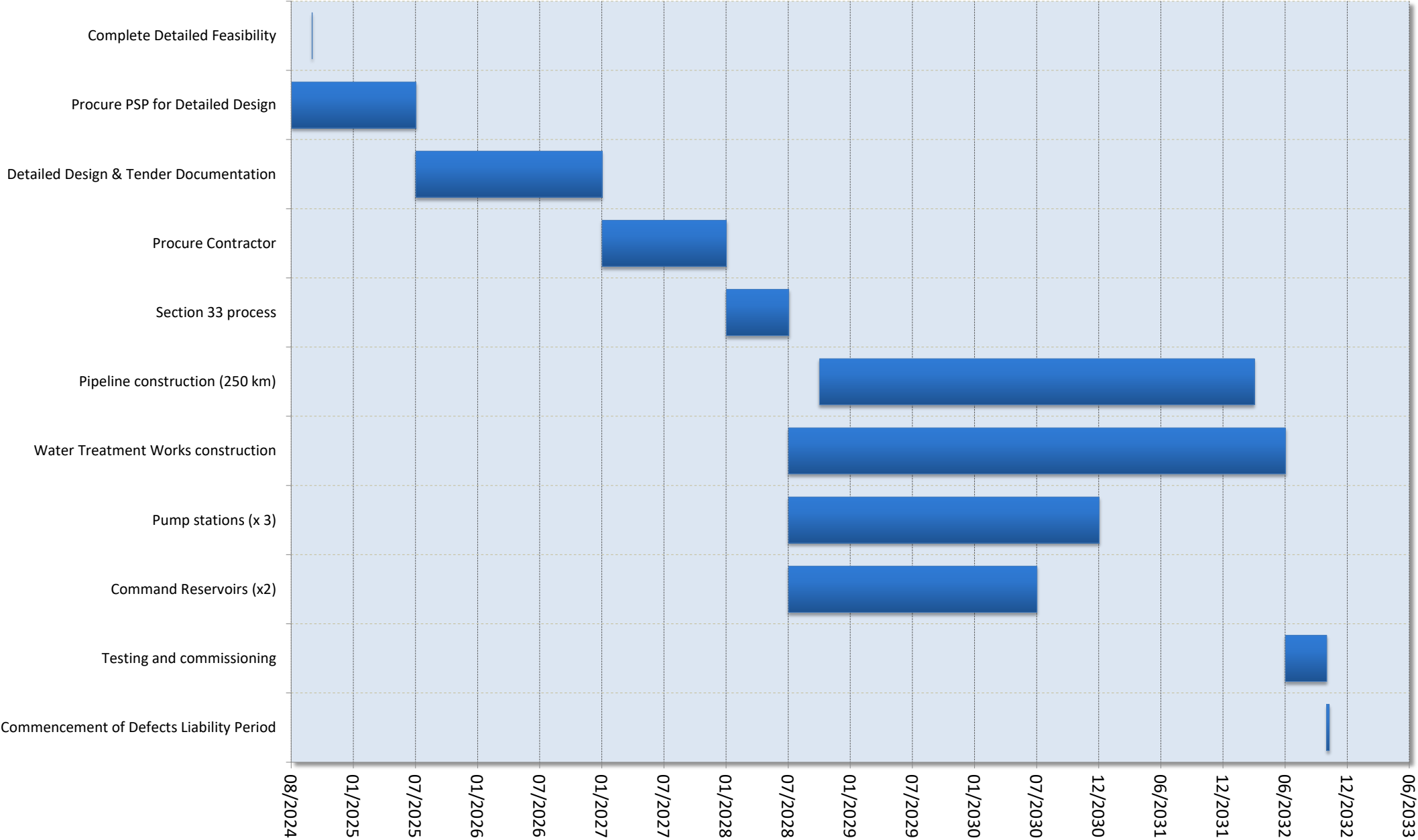
Estimated Programme as on 31 Jan 2024

| ID  |    | Task Mode   | Task Name  | Duration  | Start        | Finish       | % Complete | Timeline  |              |              |              |              |              |              |              |              |   |   |   |   |   |   |   |   |   |   |
|-----|---|---|--|-----------|--------------|--------------|------------|---|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|---|---|---|---|---|---|---|---|---|---|
|     |   |   |  |           |              |              |            | 2023  |              |              |              | 2024         |              |              |              | 2025         |   |   |   |   |   |   |   |   |   |   |
|     |   |   |  |           |              |              |            | 2023, Half 2  | 2023, Half 1 | 2023, Half 2 | 2024, Half 1 | 2024, Half 2 | 2025, Half 1 | 2025, Half 2 | 2025, Half 1 | 2025, Half 2 |   |   |   |   |   |   |   |   |   |   |
|     |   |   |  |           |              |              |            | S   | O            | N            | D            | J            | F            | M            | A            | M            | J | J | A | S | O | N | D | J | F | M |
| 1   |   |    | GREATER MANGAUNG WATER AUGMENTATION PROJECT - KHARIEP PIPELINE FEASIBILITY STUDY | 108.6 wks | Sat 22/10/01 | Wed 24/11/13 | 34%        |    |              |              |              |              |              |              |              |              |   |   |   |   |   |   |   |   |   |   |
| 2   |    |    | Project Start  | 0 wks     | Wed 22/11/16 | Wed 22/11/16 | 0%         |    |              |              |              |              |              |              |              |              |   |   |   |   |   |   |   |   |   |   |
| 3   |   |    | Inception, Pre-feasibility and Feasibility Studies                               | 100.4 wks | Wed 22/11/16 | Thu 24/10/31 | 47%        |    |              |              |              |              |              |              |              |              |   |   |   |   |   |   |   |   |   |   |
| 4   |    |    | Phase 1: Inception Phase   | 15.4 wks  | Wed 22/11/16 | Thu 23/03/02 | 100%       |    |              |              |              |              |              |              |              |              |   |   |   |   |   |   |   |   |   |   |
| 10  |   |    | Phase 2: Pre-Feasibility Stage   | 55 wks    | Fri 23/03/03 | Thu 24/04/04 | 88%        |    |              |              |              |              |              |              |              |              |   |   |   |   |   |   |   |   |   |   |
| 38  |   |    | Phase 3: Detailed Feasibility Study and Preliminary Design                       | 41 wks    | Fri 24/01/19 | Thu 24/10/31 | 4%         |    |              |              |              |              |              |              |              |              |   |   |   |   |   |   |   |   |   |   |
| 87  |   |    | Phase 4: Basic Assessment, Authorisation, WULA and Other Approvals               | 53.4 wks  | Tue 23/10/24 | Wed 24/11/13 | 9%         |    |              |              |              |              |              |              |              |              |   |   |   |   |   |   |   |   |   |   |
| 124 |   |  | Project Management   | 104.4 wks | Sat 22/10/01 | Tue 24/10/15 | 65%        |  |              |              |              |              |              |              |              |              |   |   |   |   |   |   |   |   |   |   |
| 195 |  |  | Skills Transfer, Capacity Building and Training                                  | 48 wks    | Mon 23/07/03 | Fri 24/06/14 | 0%         |  |              |              |              |              |              |              |              |              |   |   |   |   |   |   |   |   |   |   |
| 196 |   |  | Project End  | 0 wks     | Thu 24/10/31 | Thu 24/10/31 | 0%         |  |              |              |              |              |              |              |              |              |   |   |   |   |   |   |   |   |   |   |





Xhariep Programme: Detailed Design & Construction phases



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# OTHER MATTERS

- Floor is now open to all participants

Greater Mangaung Water Augmentation Project  
**XHARIEP PIPELINE FEASIBILITY STUDY**

Public Participation Meeting

# Thank you

WATER IS LIFE - SANITATION IS DIGNITY



**water & sanitation**

Department:  
Water and Sanitation  
**REPUBLIC OF SOUTH AFRICA**















# APPENDIX 8: ATTENDANCE REGISTERS



**MANGAUNG WATER AUGMENTATION PROJECT:**  
**XHARIEP PIPELINE, MANGAUNG METROPOLITAN**  
**MUNICIPALITY, FREE STATE**

**Attendance Register**

Bloemfontein, Protea Hotel by Marriott Bloemfontein  
Willow Lake, 101 Henry Street, Willows  
11 June 2024 – 18:00 to 20:30

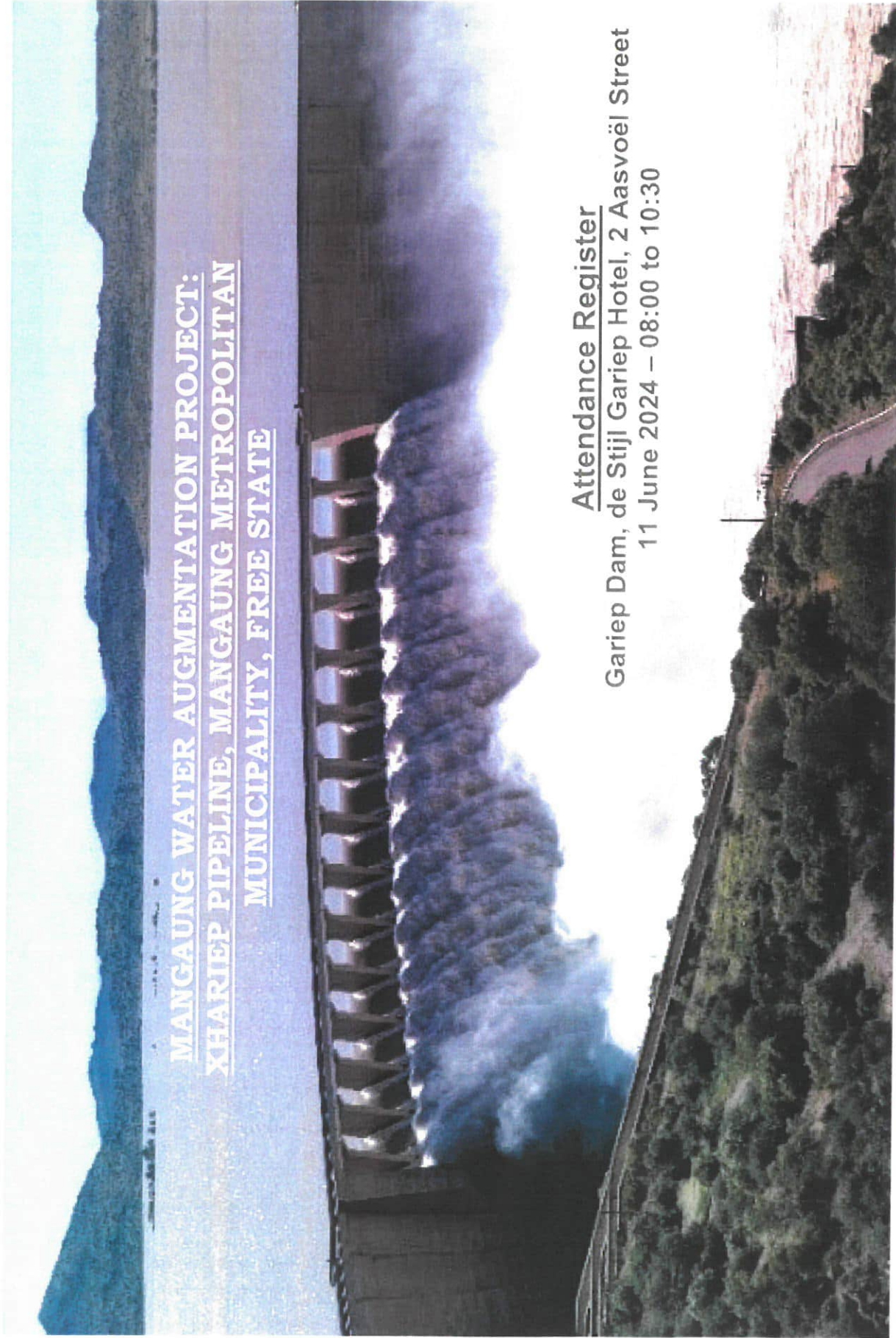
| Name & Surname     | Organisation | Contact Number | Email Address                 | Signature   |
|--------------------|--------------|----------------|-------------------------------|---|
| M. Teljgaard       | Zutari       | 044 805 5410   | maricani.teljgaard@zutari.com |    |
| M. Murgumo         | DWS          | 012 336 6838   | murgumo@dws.gov.za            |    |
| S. JAARSVELD       | DWS          | 012 336 7284   | vanjaarsveld@dws.gov.za       |    |
| S. Kleynhans       | Zutari       | 021 526 5776   | stephan.kleynhans@zutari.com  |    |
| W. Barnard         | Zutari       | 051 4089600    | werner.barnard@zutari.com     |    |
| W. GRIESEL         | Zutari       | 051 408 9600   | werner.griessel@zutari.com    |    |
| W. Coftus          | Zutari       | 044 805 5458   | wyand.loftus@zutari.com       |   |
| T. du Walt         | MMM          | 074 100 6806   | tjaart100@gmail.com           |  |
| Corize v. Rensburg | MMM          | 084 888 4460   | corize@gmail.com              |  |
| Gert Nel           |              | 082 8000 444   | gertjnel@mweb.co.za           |  |

\*



| Name & Surname | Organisation      | Contact Number | Email Address             | Signature |
|----------------|-------------------|----------------|---------------------------|-----------|
| Blacky Swout   | Tierpoort Landbou | 0825576463     | kwana.tierpoort@gmail.com |           |
| Alde Houw      | Univ. Free State  | 0514019207     | louwa1@ufs.ac.za          |           |
|                |                   |                |                           |           |
|                |                   |                |                           |           |
|                |                   |                |                           |           |
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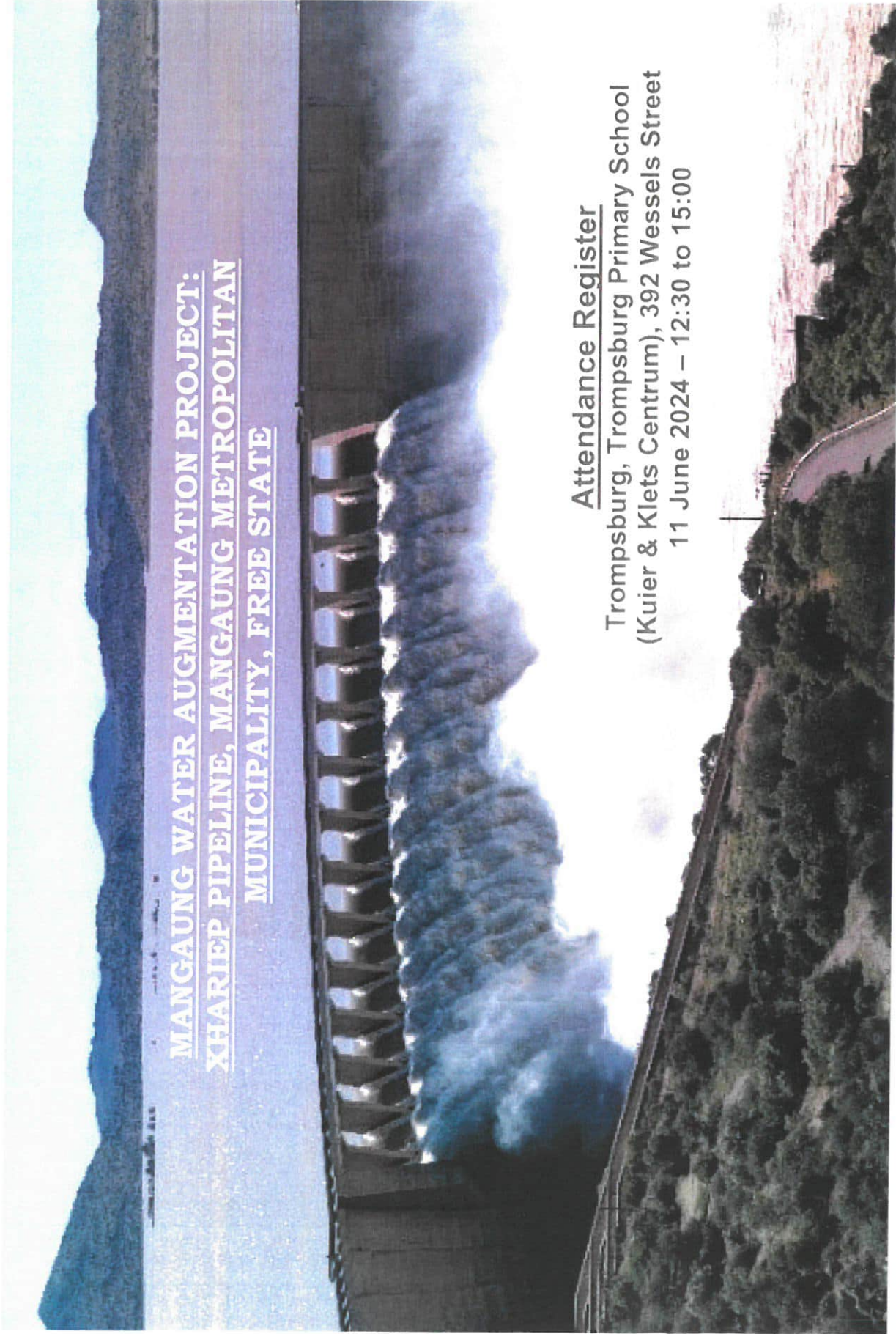
Attendance Register

Gariep Dam, de Stijl Gariep Hotel, 2 Aasvoël Street

11 June 2024 – 08:00 to 10:30

| Name & Surname      | Organisation              | Contact Number               | Email Address                 | Signature   |
|---------------------|---------------------------|------------------------------|-------------------------------|---|
| Marianne Vijgerd    | Zutari                    | 061 805 5110                 | marianne.vijgerd@zutari.com   |    |
| WYNAND LOFTUS       | ZUTARI                    | 044 805 5458                 | wynand.loftus@zutari.com      |    |
| WERNER BARNARD      | ZUTARI                    | 051 408 9600                 | werner.barnard@zutari.com     |    |
| WERNER GRIESEL      | ZUTARI                    | 051 408 9600                 | werner.griessel@zutari.com    |    |
| SANET VAN JAARSVELD | DEPT WATER AND SANITATION | 012 336 7284                 | sanet.vanjaarsveld@dwz.gov.za |    |
| MENARDS MUGUMON     | DWS                       | 012 336 6838<br>082 804 5162 | mugumon@dws.gov.za            |    |
| Stephan Kleyghans   | Zutari                    | 0832935716                   | stephan.kleyghans@zutari.com  |   |
| Melonié van Heerden | Alcunet                   | 082 440 0107                 | alcunet.py@gmail.com          |  |
| Dirk van Heerden    | "                         | 081 5334708                  | "                             |  |
| Jeffrey Hoxton      | Boer                      | 074 888 3132                 | "                             |  |





Attendance Register  
Trompsburg, Trompsburg Primary School  
(Kuier & Klets Centrum), 392 Wessels Street  
11 June 2024 – 12:30 to 15:00

| Name & Surname        | Organisation                | Contact Number | Email Address                    | Signature          |
|-----------------------|-----------------------------|----------------|----------------------------------|--------------------|
| S v JAARSVELD         | DEPT<br>WATER<br>SANITATION | 012 336 7284   | vanjaarsveld@dw.s.gov.za         | <i>[Signature]</i> |
| M. Taljard            | Zutari                      | 011 805 5110   | mariana.taljad@zutari.com        | <i>[Signature]</i> |
| W. Loftus             | Zutari                      | 044 605 5458   | wynand.loftus@zutari.com         | <i>[Signature]</i> |
| W. Barnard            | Zutari                      | 051 408 9600   | werner.barnard@zutari.com        | <i>[Signature]</i> |
| W. GRIESEL            | Zutari                      | 051 408 9600   | werner.griessel@zutari.com       | <i>[Signature]</i> |
| S Kleyghans           | Zutari                      | 021 526 5776   | stephan.kleyghans@zutari.com     | <i>[Signature]</i> |
| M. Muguma             | bw3                         | 012 336 6838   | muguma@dw.s.gov.za               | <i>[Signature]</i> |
| C.O. (Kwapi) Sheepers | Boer                        | 084 0531687    | kwapi@netactive.co.za            | <i>[Signature]</i> |
| Deewie - L. nene      | Boer                        | 082 3757946    | lizelle.vandermerwe@asegmail.com | <i>[Signature]</i> |
| Geoffrey Hymis        | Boer                        | 082 452 9667   | geoffreyhys@gmail.com            | <i>[Signature]</i> |





| Name & Surname         | Organisation                        | Contact Number | Email Address                | Signature |
|------------------------|-------------------------------------|----------------|------------------------------|-----------|
| Stephan van Schallighe | LANGEZEKKEGAT<br>BOERDERY (PTY) Ltd | 0824818067     | jsk.van.schallighe@gmail.com |           |
| Attie Strauss          | Highbury.                           | 0716053807     | attiestrauss8@gmail.com      |           |
|                        |                                     |                |                              |           |
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# APPENDIX 9: PPP COMMENTS

## Marianna Taljaard

---

**From:** Tshiamo Malatji <malatji.tshiamo+canned.response@gmail.com>  
**Sent:** Sunday, 02 June 2024 19:44  
**To:** Xhariep  
**Subject:** Re: XHARIEP WATER PIPELINE/ WATERPYPLYN: Notification/ Kennisgewing: Public Participation Process/Publieke Deelnameproses: DFFE Ref No/ Verw Nr: 14/12/16/3/3/1/2996

Greetings

I no longer use Google Mail. If you want to reach me, send me an email via [malatji@protonmail.com](mailto:malatji@protonmail.com).  
This is an auto-generated message.

Regards,  
Tshi Malatji

## Marianna Taljaard

---

**From:** Corlie Steyn  
**Sent:** Monday, 03 June 2024 09:30  
**To:** pedrekruger@gmail.com  
**Cc:** Marianna Taljaard  
**Subject:** Xhriep pyplyn roete

Goeie more Mnr Kruger,

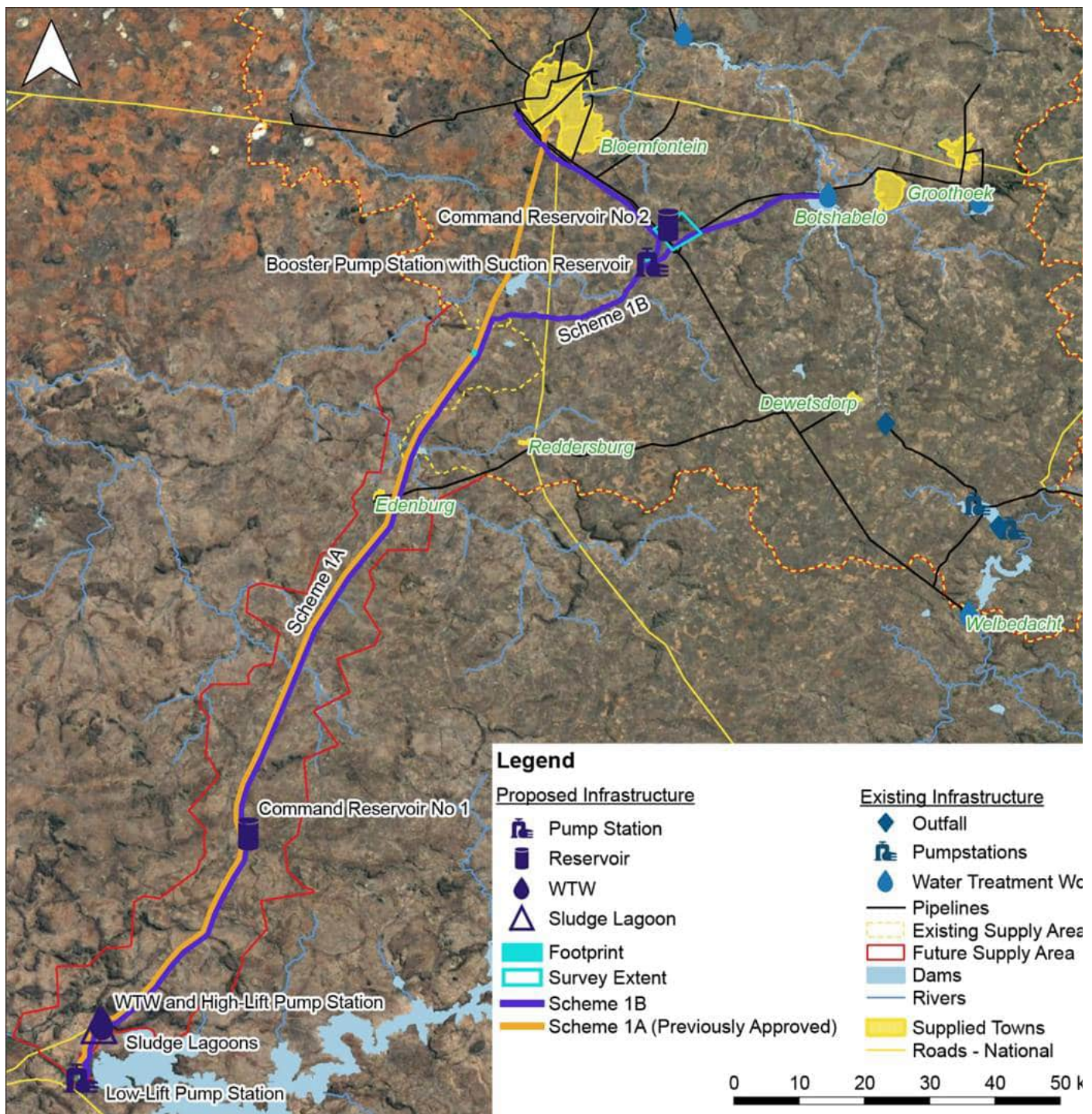
U het vanoggend geskakel om te hoor of die beplande pyplyn roete vanaf Xhriep na Bloemfontein verander het.

Hierdie epos is om te bevestig dat die roete wel verander het.

Hieronder is 'n kaart wat die nuwe roete aandui. Die **blou / pers** roete is die nuwe roete en die **oranje** roete is die vorige roete wat nie meer gaan plaas vind nie.

Laat weet gerus as u enige verdere vrae het.





Groete

**Corlie Steyn** EAPASA., MPhil, (Environmental Management)

SENIOR CONSULTANT, ENVIRONMENT AND PLANNING | ZUTARI

E [Corlie.Steyn@zutari.com](mailto:Corlie.Steyn@zutari.com) W [zutari.com](http://zutari.com)

## Marianna Taljaard

---

**From:** Corlie Steyn  
**Sent:** Monday, 03 June 2024 10:13  
**To:** Pedre Kruger  
**Cc:** Marianna Taljaard  
**Subject:** RE: Pyplyding  
**Attachments:** Ann F.1\_SG Codes\_20240124.pdf

Hallo Pedre,

Aangeheg is 'n lys van die plase en elke plaas se ko-ordinate wag geraak word.

Daar is ook 'n skakel wat u kan besoek en as u ingaan op Annxure E is daar 12 aanhansels wat ook hierdie ko-ordinate asook kaarte aandui.

<https://geoverse.zutari.com/portal/apps/experiencebuilder/experience/?id=2f48681c19a24836bcfc03da3c653c3a>

Die plaas Paradys word nie geraak nie.

Groete

Corlie Steyn EAPASA.,MPhil, (Environmental Management) Senior Consultant, Environment and Planning, Zutari

Corlie.Steyn@zutari.com

zutari.com

-----Original Message-----

From: Pedre Kruger <pedrekruger@gmail.com>

Sent: Monday, June 3, 2024 9:59 AM

To: Corlie Steyn <Corlie.Steyn@zutari.com>

Subject: Pyplyding

Dankie Corlie maar ek kan ongelukkig nie op die kaart sien of die plaas Paradys nog geraak gaan word. As jy dalk n kaart het met meer besonderhede wat die plase aandui sal dit waardeer word. Pedré.

Sent from my iPhone

## Marianna Taljaard

---

**From:** Canny Mosebjadi Mothapo <MothapoC@caa.co.za>  
**Sent:** Monday, 03 June 2024 09:24  
**To:** Xhariep; Corlie Steyn; Wynand Loftus; Genie De Waal  
**Cc:** Aviation Environmental Compliance  
**Subject:** RE: XHARIEP WATER PIPELINE/ WATERPYPLYN: Notification/ Kennisgewing: Public Participation Process/Publieke Deelnameproses: DFFE Ref No/ Verw Nr: 14/12/16/3/3/1/2996

Good morning,

May you kindly delist all other SACAA email addresses and please save and send your environmental impact analysis reports, meeting requests and request for comments to [environment@caa.co.za](mailto:environment@caa.co.za), going forward please.

Regards

**Canny Mothapo**  
**Database Coordinator**  
Procedure Design & Cartography, Air Navigation Services, Aviation Safety Infrastructure  
Cell: 011 545 1364 | Cell: 083 461 6292 | Email: [mothapoc@caa.co.za](mailto:mothapoc@caa.co.za) | [www.caa.co.za](http://www.caa.co.za)

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Keeping you safe in the sky

We are committed to conducting our business ethically with honesty and integrity, and call on our stakeholders to report fraud and corruption. You can do this by using the new hotline details.

Reference number 0800 204 911

### NEW HOTLINE DETAILS

**FREE CALL NUMBER**  
0800 204 911

**EMAIL**  
[sacaa@theline.co.za](mailto:sacaa@theline.co.za)

**SMS**  
30916

**WEBSITE**  
<https://www.theline.co.za/report> (Use reference number to report)

**VUVUZELA**  
Download the Vuvuzela Hotline mobile application from Google Play Store (Use reference number to report)

 [www.caa.co.za](http://www.caa.co.za)  @SACAA  @OfficialSACAA  OfficialSACAA  South African Civil Aviation Authority – SACAA

---

**From:** Xhariep <xhariep@zutari.com>  
**Sent:** Sunday, June 2, 2024 7:44 PM  
**To:** Corlie Steyn <Corlie.Steyn@zutari.com>; Wynand Loftus <Wynand.Loftus@zutari.com>; Genie De Waal <Genie.deWaal@zutari.com>  
**Subject:** XHARIEP WATER PIPELINE/ WATERPYPLYN: Notification/ Kennisgewing: Public Participation Process/Publieke Deelnameproses: DFFE Ref No/ Verw Nr: 14/12/16/3/3/1/2996  
**Importance:** High

"This message was sent from outside of SACAA. Please use caution when opening links and/ or attachments"

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Dear identified Interested and/or Affected Party



Please be informed that Zutari (Pty) Ltd has been appointed by the Department of Water and Sanitation (DWS) to undertake the environmental authorisation application is required in terms of the National Environmental Management Act (Act No. 107 of 1998) (NEMA) via a Basic Assessment (BA) process, per the 2014 EIA Regulations, as amended, as well as a Water Use Licence application (WULA) in terms of the National Water Act (Act No. 36 of 1998) for the Xhariep pipeline as part of the Greater Mangaung Water Augmentation Project (see Background Information Document attached).

DWS is proposing to construct a potable water pipeline from the Gariep Dam wall, connecting to the existing bulk water distribution system for the Greater Bloemfontein Water Supply System (GBWSS). The proposed scheme will traverse the Xhariep District Municipality and the Kopanong Local Municipality, as well as the Mangaung Metropolitan Municipality. The project has three key (internal) stakeholders: (i) DWS Head Office (ii) Vaal Central Water Board, and (iii) Mangaung Metropolitan Municipality. The project falls into the ambit of Strategic Integrated Projects (SIPS) 18 and 19, namely Water and Sanitation Infrastructure. Zutari (Pty) Ltd are the independent environmental consultants who are undertaking the environmental authorisation and water use licence applications. The competent authority is the Department of Forestry, Fisheries and the Environment (DFFE). The proposed route is known as Scheme 1B and will be a potable water pipeline from Gariep Dam to Bloemfontein (mostly along the N1) and Botshabelo / Thaba Nchu, consisting of:

- ☐ Tie-in at existing pipeline downstream of Gariep Dam
- ☐ A low-lift pumpstation at or near the connection to the Gariep Dam
- ☐ A water treatment works (WTW) with a high-lift pumpstation
- ☐ A command reservoir
- ☐ A booster pumpstation
- ☐ A second command reservoir
- ☐ The entire pipeline route from the Gariep Dam to the connection points in Bloemfontein and near Rustfontein WTW (supplying Botshabelo / Thaba Nchu)

The listed activities in the regulations that are triggered by this proposed project are as follows:

| <b>National Environmental Management Act - BA</b>  | <b>National Water Act</b>   |
|--|---|
| <b>Competent Authority – DFFE</b>  | <b>Competent Authority</b>  |
| <ul style="list-style-type: none"> <li>• Listing Notice 1, Activity 9, 11, 12, 13, 14, 19 and 27 (Activities which require authorisation via a Basic Assessment)</li> <li>• Listing Notice 3, Activity 4, 10 and 12 (Activities that are geographically bound and which require authorisation via a</li> </ul> | <ul style="list-style-type: none"> <li>• Section 21 (a): A</li> <li>• Section 21 (b): S</li> <li>• Section 21 (c): watercourse.</li> <li>• Section 21 (i):</li> </ul> |

**The draft Basic Environmental Assessment Report is available for comment for a period of 30 days, from the 3rd of June 2024 to the 4th of July 2024, at the following locations:**

- ☐ Hard copies at: Gariepdam Library - 11 Patrys Street; Edenburg Library - 16 Church Street; Trompsburg Library – 78 Voortrekker Street; Louierpark Library - Cnr Doringklaat & Nanabessie Streets, Louier Park, Bloemfontein
- ☐ Electronic copy at:  
<https://geoverse.zutari.com/portal/apps/experiencebuilder/experience/?id=2f48681c19a24836bcfc03da3c653c3a> or  
<https://www.dws.gov.za/projects.aspx>

**Comments on the water use licence application may be submitted for a period of 60 days, from 3rd of June 2024 to the 5th of August 2024.**

**If you wish to register as an Interested and Affected Party and/or submit comments or concerns, please do so in writing by either using the online registration and comment form at these links:**

**<https://survey123.arcgis.com/share/592a24050e154524b919d662e9a37b3e?portalUrl=https://geoverse.zutari.com/portal>**



or by sending an email to [xhariep@zutari.com](mailto:xhariep@zutari.com)

If necessary, you may also register telephonically during office hours with Marianna Taljaard at +27-44-805-5410.



## Geagte geïdentifiseerde Belanhebbende en/of Geïntereseerde Party

Neem asseblief kennis dat Zutari (Edms) Bpk is deur die Departement Water en Sanitasie (DWS) aangestel om die omgewingsmagtigingsproses vir die Xhariep Pyplyn as deel van die Groter Mangaung Water Aanvullingskema, in terme van die Nasionale Wet op Omgewingsbestuur (WNOP, Wet Nr. 107 van 1998, soos gewysig), te onderneem, deur middel van 'n Basiese Invloedbepalingsproses (BIBP), ingevolge die 2014 Omgewingsinvloedbepalings (OIB) Regulasies, soos gewysig. 'n watergebruikslisensie aansoek (WA) in terme van die Nasionale Waterwet (Wet Nr. 36 van 1998) word ook gevolg (sien aangehegte Agtergrond Inligtingsdokument).

DWS beoog om 'n drinkwaterpypleiding wat deel vorm van 'n water aanvullingskema vanaf die Gariep Damwal, te bou. Die pypleiding sal 'n aansluitingspunt hê by die bestaande grootmaat watersverspreidingsstelsel vir die Groter Bloemfontein Watervoorsieningsstelsel (GBWSS). Die voorgestelde skema deurkruis die Xhariep Distrikmunisipaliteit en die Kopanong Plaaslike Munisipaliteit, sowel as die Mangaung Metropolitaanse Munisipaliteit. Die projek bestaan uit drie sleutel (interne) belanghebbendes: (i) DWS Hoofkantoor (ii) Vaal Sentrale Waterraad, en (iii) Mangaung Metropolitaanse Munisipaliteit. Die projek val in die bestek van die Strategiese Geïntegreerde Projekte (SIPS) 18 en 19, naamlik Water en Sanitasie Infrastruktuur. Zutari (Edms) Bpk is die onafhanklike omgewingskonsultante wat die omgewingsmagtigings- en watergebruikslisensie aansoek onderneem. Die Departement van Bosbou, Visserye en die Omgewing (DBVO) is die bevoegde owerheid wat die aansoek sal oorweeg. Die voorgestelde roete staan bekend as Skema 1B en sal 'n drinkwaterpypleiding wees vanaf die Gariep Dam tot by Bloemfontein (meestal langs die N1) en Botshabelo/ Thaba Nchu. Dit sal bestaan uit die volgende infrastruktuur:

- ☐ Aansluiting by bestaande pypleiding, stroomaf van die Gariep Dam
- ☐ 'n Lae-lig pompstasie by, of naby, die aansluiting met die Gariep Dam
- ☐ 'n Watersuiweringswerke (WTW) met 'n hoë-lig pompstasie
- ☐ 'n Bulk reservoir
- ☐ 'n Aanjaerpompstasie
- ☐ 'n Tweede bulk reservoir
- ☐ Die pypleidingroete vanaf die Gariep Dam tot by die aansluitingspunte in Bloemfontein asook naby Rustfontein WTW (verskaf water aan Botshabelo / Thaba Nchu)

Die gelyste aktiwiteite in die regulasies van toepassing tot die projek is as volg:

| Nasionale Omgewingswet - BIBP  | Nasionale Waterwet   |
|--|--|
| Bevoegde Owerheid: DBVO  | Bevoegde Owerheid  |
| <ul style="list-style-type: none"><li>Lysing kennisgewing 1, Aktiwiteite 9, 11, 12, 13, 14, 19 en 27 (Aktiwiteite wat bemagtiging vereis deur middel van 'n Basiese Invloedbepalingsproses)</li><li>Lysing kennisgewing 3, Aktiwiteite 4, 10 en 12 (Aktiwiteite wat geografies gebonde is en wat bemagtiging vereis deur</li></ul> | <ul style="list-style-type: none"><li>Gedeelte 21 (a):</li><li>Gedeelte 21 (b):</li><li>Gedeelte 21 (c): 'n rivier.</li><li>Gedeelte 21 (i):</li></ul> |

**Die Konsep Basiese Invloedbepalingsverslag (KIBV) is beskikbaar vir kommentaar vir 'n tydperk van 30 dae, vanaf 3 Junie 2024 tot 4 Julie 2024, by die onderstaande plekke:**

- ☐ Harde kopieë by: Gariepdam Biblioteek - Patrysstraat 11; Edenburg Biblioteek - Kerkstraat 16; Trompsburg Biblioteek – Voortrekkerstraat 78; Louierpark Biblioteek – Hoek van Doringklaat- & Nanabessiestrate, Louierpark, Bloemfontein
- ☐ Elektroniese afskrif by:  
<https://geoverse.zutari.com/portal/apps/experiencebuilder/experience/?id=2f48681c19a24836bcfc03da3c653c3a> of  
<https://www.dws.gov.za/projects.aspx>

**Kommentaar kan op die watergebruikslisensie aansoek gelewer word vir 'n periode van 60 dae, vanaf 3 Junie 2024 tot 5 Augustus 2024.**

**Indien u as 'n Belanghebbende en Geaffekteerde Party (B&GP) wil registreer en/ of kommentaar wil lewer, word u uitgenooi om dit asseblief skriftelik te doen, óf deur die gebruik van die aanlynregistrasie en kommentaarvorm as u ondergenoemde aanlynskakels volg:**

<https://survey123.arcgis.com/share/592a24050e154524b919d662e9a37b3e?portalUrl=https://geoverse.zutari.com/portal>



of per epos na [xhariep@zutari.com](mailto:xhariep@zutari.com)

Indien nodig, kan u ook binne kantoorure telefonies by Marianna Taljaard registreer, op +27-44-8055410.

**Genie De Waal** *ND Business Computing*

SENIOR CONSULTANT: PUBLIC PARTICIPATION | ZUTARI

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E [Genie.deWaal@zutari.com](mailto:Genie.deWaal@zutari.com) W [zutari.com](http://zutari.com)



Zutari is a proud B-BBEE Level 1 contributor in South Africa.

DISCLAIMER

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For more information please visit <http://www.mimecast.com>

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**From:** Chris Richter <chris.richter.simbras@gmail.com>  
**Sent:** Monday, 03 June 2024 11:36  
**To:** Xhariep  
**Cc:** Genie De Waal  
**Subject:** Xhariep pipeline project

Hi Genie

I am writing to request information regarding the proposed construction of a water pipeline on the farm. It is imperative for the Trustees to understand the details and implications of this project. Below are specific questions that I kindly request you to address:

1. Can you please provide the documentation from the Department of Water and Sanitation appointing you as the contractor and indicating that the route must pass through this farm?
2. What is the proposed timeline for the construction of the water pipeline on my farm?
3. Can you provide detailed information about the pipeline route and its potential impact on my land and operations?
4. What measures will be implemented to minimize disruption to my farm during the construction process?
5. Are there any potential environmental impacts associated with the pipeline construction, and if so, how do you plan to address them?
6. Will there be any ongoing maintenance or access requirements after the pipeline is installed?
7. What assurances can you provide regarding the safety and integrity of the pipeline system?
8. How will compensation or reimbursement for any property damage during construction be handled?
9. Are there any regulatory approvals or permits required for the pipeline, and if so, what is the process for obtaining them?
10. Can you provide references or examples of similar pipeline projects you have completed in the past?
11. What channels are available if I have concerns or questions throughout the project's duration?
12. Can you supply me with relevant details of individuals requiring access to my farm, including their full names, IDs, job descriptions, and the companies they represent?

13. Will any type of housing, whether temporary or permanent, be constructed on the farm? If so, please provide details.
14. Which company is responsible for conducting the environmental assessment for the pipeline project?
15. Can you provide a clear, enlarged map showing the entire route from Reddersburg road to Rustfontein dam to Bloemfontein, including all relevant details?
16. What is the width of the pipeline and the designated area of operation along the route?
17. How large will the pumping station be, where will it be located, and how will it be connected to power?
18. What is the size and location of the reservoir, and how will it be connected to power?
19. How will access to the reservoir from the surrounding area be facilitated?
20. Can you clearly indicate on the map the access routes to the reservoir and pump station. Will these routes be tarmac?
21. What is the anticipated duration of the project from start to completion?
22. Are there any plans to construct a new pipeline from R702 to Bloemfontein or from R702 to Rustfontein dam, or will the existing pipeline route be utilized? Will Bloemwater be utilized for the pipeline to Bloemfontein?
23. Why is the originally approved pipeline route from Gariep to Bloemfontein not being utilized?
24. When is the environmental impact study scheduled to be conducted, and by whom will it be conducted?
25. What alternative routes were considered for the pipeline from Reddersburg road to Rustfontein dam?
26. What alternative options and locations were considered for the placement of the reservoir and pumping station?
27. What measures will you put in place to prevent disturbance to the farming operations on the property?
28. What precautions will you put in place to prevent biosecurity risks?

I appreciate your prompt attention to these inquiries and look forward to receiving comprehensive answers to assist the trustees in understanding the project fully.

Regards



**Chris Richter**



Sent from my iPhone

Sent from my iPhone

## Marianna Taljaard

---

**From:** Genie De Waal  
**Sent:** Tuesday, 04 June 2024 11:20  
**To:** chris.richter.simbras@gmail.com  
**Cc:** Marianna Taljaard; Corlie Steyn  
**Subject:** FW: Xhariep pipeline project

**Importance:** High

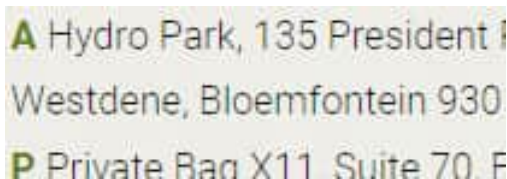
Dear Chris

Thank you so much for your email below and pertinent questions regarding the Xhariep pipeline project. The project team will formulate replies to your information requests as per below and revert in due course.

The public participation process has now commenced for the project – the comment period for the draft Basic Environmental Assessment Report and Water Use Licence application opened yesterday and a series of three information-sharing meetings are scheduled for 11 June 2024 as follows:

- \* *Gariep Dam: 08:30 to 10:30: de Stijl Gariep Hotel, 2 Aasvoel Street*
- \* *Trompsburg: 12:30 to 15:00: Trompsburg Primary School (Kuier & Klets Sentrum), 392 Wessels Street*
- \* *Bloemfontein: 18:00 to 20:30: Protea Hotel by Marriott Bloemfontein Willow Lake, 101 Henry Street, Willows*

You are most welcome to join any of these meetings that may be convenient for you, but our technical team, together with DWS, are also able to meet with you personally at the Zutari offices in Bloemfontein at 08:00 on the morning of 12 June 2024. If you would like to / are able to meet at this time, please let us know.



Look forward to hearing from you.

Kind regards  
Genie

**Genie De Waal** *ND Business Computing*

SENIOR CONSULTANT: PUBLIC PARTICIPATION | ZUTARI

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E [Genie.deWaal@zutari.com](mailto:Genie.deWaal@zutari.com) W [zutari.com](http://zutari.com)

DISCLAIMER

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**From:** Chris Richter <[chris.richter.simbras@gmail.com](mailto:chris.richter.simbras@gmail.com)>  
**Sent:** Monday, June 3, 2024 11:36 AM  
**To:** Xhariep <[xhariep@zutari.com](mailto:xhariep@zutari.com)>  
**Cc:** Genie De Waal <[Genie.deWaal@zutari.com](mailto:Genie.deWaal@zutari.com)>  
**Subject:** Xhariep pipeline project

Hi Genie

I am writing to request information regarding the proposed construction of a water pipeline on the farm. It is imperative for the Trustees to understand the details and implications of this project. Below are specific questions that I kindly request you to address:

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7. What assurances can you provide regarding the safety and integrity of the pipeline system?
8. How will compensation or reimbursement for any property damage during construction be handled?
9. Are there any regulatory approvals or permits required for the pipeline, and if so, what is the process for obtaining them?
10. Can you provide references or examples of similar pipeline projects you have completed in the past?
11. What channels are available if I have concerns or questions throughout the project's duration?
12. Can you supply me with relevant details of individuals requiring access to my farm, including their full names, IDs, job descriptions, and the companies they represent?
13. Will any type of housing, whether temporary or permanent, be constructed on the farm? If so, please provide details.
14. Which company is responsible for conducting the environmental assessment for the pipeline project?
15. Can you provide a clear, enlarged map showing the entire route from Reddersburg road to Rustfontein dam to Bloemfontein, including all relevant details?
16. What is the width of the pipeline and the designated area of operation along the route?
17. How large will the pumping station be, where will it be located, and how will it be connected to power?
18. What is the size and location of the reservoir, and how will it be connected to power?

19. How will access to the reservoir from the surrounding area be facilitated?
20. Can you clearly indicate on the map the access routes to the reservoir and pump station. Will these routes be tarmac?
21. What is the anticipated duration of the project from start to completion?
22. Are there any plans to construct a new pipeline from R702 to Bloemfontein or from R702 to Rustfontein dam, or will the existing pipeline route be utilized? Will Bloemwater be utilized for the pipeline to Bloemfontein?
23. Why is the originally approved pipeline route from Gariep to Bloemfontein not being utilized?
24. When is the environmental impact study scheduled to be conducted, and by whom will it be conducted?
25. What alternative routes were considered for the pipeline from Reddersburg road to Rustfontein dam?
26. What alternative options and locations were considered for the placement of the reservoir and pumping station?
27. What measures will you put in place to prevent disturbance to the farming operations on the property?
28. What precautions will you put in place to prevent biosecurity risks?

I appreciate your prompt attention to these inquiries and look forward to receiving comprehensive answers to assist the trustees in understanding the project fully.

Regards

**Chris Richter**

Sent from my iPhone

Sent from my iPhone



## Marianna Taljaard

---

**From:** Xhariep  
**Sent:** Friday, 14 June 2024 09:23  
**To:** chris.richter.simbras@gmail.com  
**Cc:** VanJaarsveldS@dws.gov.za; Stephan Kleynhans; Frankie A'Bear; Corlie Steyn; Wynand Loftus  
**Subject:** FW: Xhariep pipeline project  
**Attachments:** Letter to Mr C Richter \_ Zutari Project Team \_ Final.pdf; Xhariep Locality maps.zip  
**Importance:** High

Good Morning Mr Richter

Trust this mail finds you well.

Please see attached response from the project team in reference to your email below dated 3 June 2024.

Kind Regards

**Marianna Taljaard**

PROJECT ADMINISTRATOR, ENVIRONMENT AND PLANNING | ZUTARI

**M** +27-44-8055410 **E** [Marianna.Taljaard@zutari.com](mailto:Marianna.Taljaard@zutari.com) **W** [zutari.com](http://zutari.com)

DISCLAIMER

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**From:** Genie De Waal  
**Sent:** Tuesday, June 4, 2024 11:20 AM  
**To:** chris.richter.simbras@gmail.com  
**Cc:** Marianna Taljaard <Marianna.Taljaard@zutari.com>; Corlie Steyn <Corlie.Steyn@zutari.com>  
**Subject:** FW: Xhariep pipeline project  
**Importance:** High

Dear Chris

Thank you so much for your email below and pertinent questions regarding the Xhariep pipeline project. The project team will formulate replies to your information requests as per below and revert in due course.

The public participation process has now commenced for the project – the comment period for the draft Basic Environmental Assessment Report and Water Use Licence application opened yesterday and a series of three information-sharing meetings are scheduled for 11 June 2024 as follows:

- \* *Gariep Dam: 08:30 to 10:30: de Stijl Gariep Hotel, 2 Aasvoel Street*
- \* *Trompsburg: 12:30 to 15:00: Trompsburg Primary School (Kuier & Kleits Sentrum), 392 Wessels Street*
- \* *Bloemfontein: 18:00 to 20:30: Protea Hotel by Marriott Bloemfontein Willow Lake, 101 Henry Street, Willows*

You are most welcome to join any of these meetings that may be convenient for you, but our technical team, together with DWS, are also able to meet with you personally at the Zutari offices in Bloemfontein at 08:00 on the morning of 12 June 2024. If you would like to / are able to meet at this time, please let us know.

**A** Hydro Park, 135 President  
Westdene, Bloemfontein 930  
**P** Private Bag X11 Suite 70 F

Look forward to hearing from you.

Kind regards  
Genie

**Genie De Waal** *ND Business Computing*

SENIOR CONSULTANT: PUBLIC PARTICIPATION | ZUTARI

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E [Genie.deWaal@zutari.com](mailto:Genie.deWaal@zutari.com) W [zutari.com](http://zutari.com)

DISCLAIMER

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**From:** Chris Richter <[chris.richter.simbras@gmail.com](mailto:chris.richter.simbras@gmail.com)>  
**Sent:** Monday, June 3, 2024 11:36 AM  
**To:** Xhariep <[xhariep@zutari.com](mailto:xhariep@zutari.com)>  
**Cc:** Genie De Waal <[Genie.deWaal@zutari.com](mailto:Genie.deWaal@zutari.com)>  
**Subject:** Xhariep pipeline project

Hi Genie

I am writing to request information regarding the proposed construction of a water pipeline on the farm. It is imperative for the Trustees to understand the details and implications of this project. Below are specific questions that I kindly request you to address:

1. Can you please provide the documentation from the Department of Water and Sanitation appointing you as the contractor and indicating that the route must pass through this farm?
2. What is the proposed timeline for the construction of the water pipeline on my farm?
3. Can you provide detailed information about the pipeline route and its potential impact on my land and operations?
4. What measures will be implemented to minimize disruption to my farm during the construction process?
5. Are there any potential environmental impacts associated with the pipeline construction, and if so, how do you plan to address them?
6. Will there be any ongoing maintenance or access requirements after the pipeline is installed?
7. What assurances can you provide regarding the safety and integrity of the pipeline system?
8. How will compensation or reimbursement for any property damage during construction be handled?
9. Are there any regulatory approvals or permits required for the pipeline, and if so, what is the process for obtaining them?
10. Can you provide references or examples of similar pipeline projects you have completed in the past?

11. What channels are available if I have concerns or questions throughout the project's duration?
12. Can you supply me with relevant details of individuals requiring access to my farm, including their full names, IDs, job descriptions, and the companies they represent?
13. Will any type of housing, whether temporary or permanent, be constructed on the farm? If so, please provide details.
14. Which company is responsible for conducting the environmental assessment for the pipeline project?
15. Can you provide a clear, enlarged map showing the entire route from Reddersburg road to Rustfontein dam to Bloemfontein, including all relevant details?
16. What is the width of the pipeline and the designated area of operation along the route?
17. How large will the pumping station be, where will it be located, and how will it be connected to power?
18. What is the size and location of the reservoir, and how will it be connected to power?
19. How will access to the reservoir from the surrounding area be facilitated?
20. Can you clearly indicate on the map the access routes to the reservoir and pump station. Will these routes be tarmac?
21. What is the anticipated duration of the project from start to completion?
22. Are there any plans to construct a new pipeline from R702 to Bloemfontein or from R702 to Rustfontein dam, or will the existing pipeline route be utilized? Will Bloemwater be utilized for the pipeline to Bloemfontein?
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25. What alternative routes were considered for the pipeline from Reddersburg road to Rustfontein dam?
26. What alternative options and locations were considered for the placement of the reservoir and pumping station?
27. What measures will you put in place to prevent disturbance to the farming operations on the property?
28. What precautions will you put in place to prevent biosecurity risks?

I appreciate your prompt attention to these inquiries and look forward to receiving comprehensive answers to assist the trustees in understanding the project fully.

Regards

**Chris Richter**

Sent from my iPhone

Sent from my iPhone



13 June 2024

Chris Richter  
Farm Leeukop 105 (also spelled Leeuwkop &  
Lieuw Kop)  
R702 to Dewetsdorp  
BLOEMFONTEIN-DISTRICT, 9301  
Cell no: 082 555 4607  
Email: [chris.richter.simbras@gmail.com](mailto:chris.richter.simbras@gmail.com)

Dear Mr Richter

**Greater Mangaung Water Augmentation Project: Xhariep Pipeline (Scheme 1B), Mangaung Metropolitan Municipality, Free State**

Your email dated 3 June 2024 has reference. Please refer to the answers provided below in relation to your questions posed (*italics*) in your email to correspondence to Zutari.

1. *Can you please provide the documentation from the Department of Water and Sanitation appointing you as the contractor and indicating that the route must pass through this farm?*

Department of Water and Sanitation (DWS) appointed Zutari (Pty) Ltd as the Professional Service Provider (PSP) for the Xhariep Pipeline Feasibility Study. A copy of the Letter of Appointment, and Zutari's acceptance thereof, is attached, refer Annexure 1.

The scope entails the detailed feasibility study for the Xhariep Pipeline Project, which builds on previous studies undertaken by Vaal Central Water Board (VCWB) (previously known as BloemWater) and Mangaung Metropolitan Municipality (MMM). The scope includes the need for Zutari, as appointed Environmental Assessment Practitioner (EAP), to undertake the applications for Environmental Authorisation (EA) in terms of the National Environmental Management Act (Act No 107 of 1998) (NEMA) and its Environmental Impact Assessment (EIA) Regulations (2014 as amended in 2017).

The previous studies had shortcomings in that it could not address the demands on a regional basis. The DWS appointment requires that the Xhariep Pipeline Project be designed such that it can meet the demands of all major demand centres until the year 2050. In order to achieve this objective, water from Gariep Dam needs to be split at a command reservoir from where Bloemfontein, Botshabelo and Thaba Nchu can be supplied. Furthermore, the number of pump stations need to be minimised to simplify operations and reduce the risk of mechanical failure/downtime.

The technically preferred and most cost-effective solution entails pumping potable water from Gariep Dam to the command reservoir on your property, from where water can gravity to Bloemfontein, Botshabelo and Thaba Nchu. The elevation of this command reservoir must be 1530 metre above sea level or higher to operate under gravity. An alternative reservoir site was identified to the south-east of the proposed reservoir site but will require the overall pipeline length to be increased by more than 20 km, which will increase the overall project cost by more than R 1 billion.

2. *What is the proposed timeline for the construction of the water pipeline on my farm?*



The Basic Assessment (BA) process is undertaken first in terms of regulations 19 and 20 of the 2014 NEMA EIA Regulations (as amended). This process must be completed, and environmental authorisation must be obtained before any construction can start. The Water Use License (WUL) is also being applied for. The current planning indicates that environmental authorisation will be obtained in 2024 and the water use license during early 2025. Indications are that construction will commence by early 2028.

In terms of construction timeframes, the pipeline installation is typically done at a rate that varies from 50m to 100m per day. The command reservoir construction is anticipated to take 18 to 24 months, including the construction of the access road.

### *3. Can you provide detailed information about the pipeline route and its potential impact on my land and operations?*

Please refer to Section 5 of the draft BAR for the route and Section 7 for the impact on your farm. The draft BAR details input and assessments from various independent specialists. Please note specialists could not access your property and therefore compiled desktop assessment studies.

### *4. What measures will be implemented to minimize disruption to my farm during the construction process?*

Please refer to the EMPr (Annexure G) of the draft BAR. The EMPr details the information of the role players (Developer, Site Engineer, Environmental Site Agent, Record keeping) as well as safety and mitigation measures.

The following methodology will be followed during the installation of the pipeline:

- The pipeline route will be set out with markers by the contractor, whereafter the engineer and landowner will verify that the alignment is as per the approved design;
- The contractor will erect a temporary fence on the edge of the working area (typically a width of ±50m from the existing fence line on the edge of the road). This fence is to protect people and animals from entering the working area or falling into the pipe trench;
- The maximum length of open trench will be limited to 300m;
- Once the trench is backfilled, the completed work will be inspected by the engineer, whereafter the landowner will be asked to confirm that he/she is happy. Any further remedial work will be undertaken immediately by the contractor until the site has been reinstated to the same condition as prior to the commencement of construction; and
- An Environmental Control Officer (ECO) will be appointed to oversee that the construction activities are taking place in accordance with the EMPr. The ECO must submit monthly audit reports to DFFE (the competent authority) who will have the right to suspend the work if deemed necessary. The ECO must also maintain a complaint register, which must be submitted monthly to DFFE.

Should you want to discuss any additional measures you are welcome to contact Zutari in this regard so that it can be negotiated with the client for inclusion in the environmental authorisation and construction documentation.

### *5. Are there any potential environmental impacts associated with the pipeline construction, and if so, how do you plan to address them?*

Please refer to Section 7 of the draft BAR which details the environmental impact assessment. Furthermore Section 8 provides the environmental statements of all the appointed specialists and the EMPr (Annexure G) captures all the mitigation measures and role players.

### *6. Will there be any ongoing maintenance or access requirements after the pipeline is installed?*

Yes, there will be maintenance of the infrastructure after the pipeline is installed. The pipeline route should be inspected once a month for any visual leaks. Where the pipeline is located next to the road, the inspection can be performed from the access road.

In the unlikely event of a leak, access will be required to repair the leak.

## 7. What assurances can you provide regarding the safety and integrity of the pipeline system?

Bulk water pipelines are typically designed with a life expectancy of 50 to 100 years. This is achieved through specifying the appropriate pipe material, the appropriate pipe coating to mitigate the risk of corrosion, the required pipe wall thickness and any other mitigation measures (e.g. cathodic protection) required to prolong the life of the infrastructure.

The information obtained from the geotechnical investigation (still to be undertaken) informs aspects such as the wall thickness, coating selection and need for cathodic protection. As such, it is considered in the interest of all parties to grant access for the investigation to be undertaken.

Any additional safety measures you would like to rise can be discussed with the client for inclusion in documentation.

## 8. How will compensation or reimbursement for any property damage during construction be handled?

The information related to compensation during construction, and for registration of servitudes, has been communicated in our response dated 10 June 2024. The relevant information is repeated below for ease of reference/completeness.

In terms of property rights and further engagements, kindly note that the project is currently in the detailed feasibility phase, whereafter a detailed design must be undertaken prior to construction commencing. Upon completion of the detailed feasibility phase, DWS will issue an instruction to the Sub Directorate: Land Rights Administration (LRA), which is the unit within DWS responsible for all land related matters for the DWS (country-wide) to acquire the land and servitudes needed for the project. LRA will obtain approval from the Minister of Water and Sanitation to expropriate the land and servitudes.

After approval is granted, LRA will appoint a professional registered valuer (at the cost of the project, not the landowners) and a public meeting will be arranged, normally by/through an appointed social facilitator, with all the affected owners/persons. At the meeting, LRA, together with the appointed valuer, will explain the acquisition process and the valuation process. After this meeting, one-on-one meetings will be held with all the affected owners where the processes will again be explained in detail. The valuer will then visit every affected owner on site and conduct his valuation of the servitude or the land affected by the project. The valuer will then do market research, etc, and compile his valuation report for each owner, and then submit it to LRA who will have the compensation, as recommended by the valuer, approved, and notices of expropriation will be compiled wherein the amount offered will be mentioned and sent to the affected owners. The valuation will take into consideration the impacts during construction, any post-construction impacts (e.g. time needed for the vegetation to re-establish before the area can be used for grazing), and servitude registration. The working area during construction will likely be  $\pm 50\text{m}$ , whereas the servitude will be  $\pm 15\text{m}$ .

In terms of the Expropriation Act, the owner then has 60 days to indicate whether he/she accepts the offer or not. If the offer is not accepted, the owner can submit a counterclaim in terms of the Act, which claim must be accompanied with motivation/own valuation report. This claim will be forwarded to the valuer for consideration and comments. After the valuer's comments and recommendation is received, a round-table meeting can be held between the owner, his/her valuer/experts, LRA and their valuer, to see if agreement on the amount of compensation can be reached. If no agreement can be reached, the owner can then, in terms of the Act, take the matter to a suitable court, who will decide on the compensation to be paid.

LRA makes use of the State Attorney to register the servitudes or acquired land/portions of land, in the relevant Deeds Office. The servitude conditions can also be negotiated with the owner in order to cover the owner's concerns.

LRA uses the following legislation for the acquisition of land and servitudes:

- The Constitution, section 25;
- The National Water Act, Act 36 of 1998, sections 64 and 65; and
- The Expropriation Act, Act 63 of 1975.

9. *Are there any regulatory approvals or permits required for the pipeline, and if so, what is the process for obtaining them?*

Yes, there are regulatory approvals that must be obtained. Please refer to section 2.1 of the draft BAR which describes the permits that need to be obtained as well as the WULA which is separate from the EA (Environmental Authorisation)

10. *Can you provide references or examples of similar pipeline projects you have completed in the past?*

Zutari has completed numerous projects that are similar in size and complexity. Some of the more recent projects are noted below:

- Olifants River Water Resources Development Project, Phase 2: 219 km of pipelines with diameters ranging from 1000mm to 180mm, four pump stations (27MW installed capacity);
- Mokolo Crocodile Water Augmentation Project: 43km of steel pipelines with diameters of up to 110mm with a 4.5MW pump station; and
- Vaal River Eastern Sub-System Augmentation Project: 115km of steel pipelines with a diameter of 1900mm.

It is, however, understood that this question might be more related to the competence of the contractor that will be appointed to construct the pipeline. In this regard, a functionality requirement will be introduced in the tender documentation of the contractors where a minimum score (typically 70%) must be achieved in order to be considered eligible. In terms of functionality criteria, the following would typically be specified:

- Tenderers must demonstrate that they have constructed continuously welded steel pipelines with a minimum diameter of 900mm and pipeline lengths of at least 10km or longer;
- Tenderers must demonstrate that they have constructed water retaining structures (e.g. water treatment works and reservoirs) of a minimum size/capacity;
- Tenderers must demonstrate that they have constructed pump stations, especially the mechanical and electrical equipment with a minimum power rating (kW); and
- Minimum requirements for the contractor's staff in terms of years' experience and qualifications.

11. *What channels are available if I have concerns or questions throughout the project's duration?*

Zutari's appointment lapses after completion of the detailed feasibility design of the Xhariep Pipeline Project, whereafter DWS will appoint another consultant to undertake the detailed design and site supervision of the construction activities. DWS will also appoint the contractor(s) to undertake the construction of the infrastructure components.

It is proposed that you contact Ms Sanet van Jaarsveld ([vanjaarsvelds@dws.gov.za](mailto:vanjaarsvelds@dws.gov.za)) at DWS should you have any concerns or questions regarding the project.

During the construction phase, a full-time environmental control officer (ECO) will be appointed to independently audit compliance with the environmental authorisation. The ECO will be the point of contract for any non-compliance matters during construction, but this can also be escalated to the relevant DWS project manager.

12. *Can you supply me with relevant details of individuals requiring access to my farm, including their full names, IDs, job descriptions, and the companies they represent?*

To date, the individuals requiring access to your property are related to the environmental impact assessment process (specialists in various fields) as well as the geotechnical specialist needing to assess founding conditions. Attempts were made to inform you and request permission for access via email, telephonically, as well as through members/representatives of the local farmers associations. The individuals mentioned above, who have already conducted their site visits as necessary (excluding on your property) are:

- John Gribble (archaeology) - TerraMare Archaeology (Pty) Ltd



- Johannes Maree (terrestrial biodiversity) - Setala Environmental
- Johan van Tol (soils/agriculture) - Professor: Soil- and Crop- and Climate Sciences  
Faculty Natural and Agricultural Sciences, University of the Free State
- Darius van Rensburg (wetlands) - DPR Ecologists & Environmental Services

The geotechnical contractor should be appointed by 21 June 2024 with field investigations to commence by mid-July 2024. Details of the geotechnical contractor, as well as dates when access will be required, will be communicated to you in advance before access is required.

*13. Will any type of housing, whether temporary or permanent, be constructed on the farm? If so, please provide details.*

Temporary construction yards will be required due to the length of the pipeline route. The positioning of camps will need to be determined by the contractor based on their construction sequencing, however, these camps will be carefully placed away from environmentally sensitive areas, wetlands, and watercourses. Construction camps will be constructed with permission and negotiations with the relevant landowners.

In terms of pipeline and reservoir construction, no temporary or permanent housing will be required on the property. However, for the command reservoir construction, a temporary site camp will be required close to the reservoir site to store equipment with only security personnel staying at the camp site overnight.

The completed reservoir will be unmanned and will only be visited on an ad hoc basis to inspect the reservoir for any leaks.

*14. Which company is responsible for conducting the environmental assessment for the pipeline project?*

DWS appointed Zutari (Pty) Ltd as the independent Environmental Assessment Practitioner (EAP) to undertake the applications for Environmental Authorisation (EA) in terms of the National Environmental Management Act (Act No 107 of 1998) (NEMA) and its Environmental Impact Assessment (EIA) Regulations (2014 as amended in 2017).

*15. Can you provide a clear, enlarged map showing the entire route from Reddersburg road to Rustfontein dam to Bloemfontein, including all relevant details?*

Please refer to the maps attached in Annexure I of the draft BAR which details all infrastructure and sensitive areas. Furthermore please refer to the attached zip file for the locality maps indicating the entire route.

*16. What is the width of the pipeline and the designated area of operation along the route?*

Please refer to Section 5 of the draft BAR which provide a detailed description of the project. A 100 m wide corridor was evaluated for the proposed pipeline routes to permit refinement of the pipeline routes in consultation with the landowners.

The final construction width will be restricted to a maximum width of 50m, whereas a 15m wide servitude will be registered for the pipelines.

*17. How large will the pumping station be, where will it be located, and how will it be connected to power?*

Please refer to Section 5.3.1 of the draft BAR which details the location and capacity of all the infrastructure.

## Size

The estimated footprint of the Gariep Low Lift Pump Station pumpstation will be approx. 10,000 m<sup>2</sup> and the footprint of the Gariep High Lift Pump Station will be approx. 60,000m<sup>2</sup> including the water treatment works, 10,000m<sup>2</sup> and the Booster Pumpstation will equate to approx. 10,000 m<sup>2</sup>.

Please note the project area is made up of six sites, namely:

1. The low lift pump station,
2. A WTP with sludge lagoons with a high lift pump station,
3. A 1<sup>st</sup> command reservoir,
4. A booster pump station and suction reservoir,
5. A 2<sup>nd</sup> command reservoir, and,
6. The pipeline route from the Gariep Dam to the connection points at Bloemfontein and Rustfontein Pump Station.

## Location

The central co-ordinates of the proposed sites are provided below:

- |   |                                  |
|---|----------------------------------|
| 1. Proposed Low Lift Pump Station             | 30°37'30.01"S and 25°29'03.00"E. |
| 2. Alternative Low Lift Pump Station          | 30°37'32.86"S and 25°29'03.46"E. |
| 3. Proposed WTP and High Lift Pump Station    | 30°32'27.60"S and 25°30'46.80"E. |
| 4. Proposed 1 <sup>st</sup> Command Reservoir | 30°15'02.00"S and 25°44'18.00"E. |
| 5. Proposed Booster Pump Station              | 29°30'56.00"S and 26°05'15.00"E. |
| 6. Proposed 2 <sup>nd</sup> Command Reservoir | 29°19'7.70"S and 26°23'04.70"E.  |

The co-ordinates of the approximate pipeline tie-in points are as follows:

- |                                    |                                  |
|------------------------------------|----------------------------------|
| 1. Gariep Dam                      | 30°37'28.17"S and 25°30'05.59"E. |
| 2. Bloemfontein (MMM)              | 29°08'37.54"S and 26°09'18.39"E. |
| 3. Rustfontein Pump Station (VCWB) | 29°16'13.23"S and 26°37'09.62"E. |

Furthermore, please refer to the table from the draft BAR which details the sizing and capacity of the proposed infrastructure for the Xhariep Pipeline Project Scheme 1B.

**Table 1: Sizing and capacity of the proposed infrastructure for Scheme 1B**

| Component   | Capacity<br>(m <sup>3</sup> /s) <sup>(1)</sup> | Capacity<br>(MI/d) <sup>(1)</sup> | Estimated Footprint<br>(m <sup>2</sup> ) |
|---|--|-----------------------------------|--|
| Gariep Low Lift Pump Station  | 3.8  | 328.1                             | 10,000                                   |
| Gariep WTW  | -  | 312                               | 600,000                                  |
| Gariep High Lift Pump Station   | 3.62   | 312.4                             | (included in WTP above)                  |
| Command Reservoir (3 sites)   | -  | 80 MI                             | 37,000 per site                          |
| Booster Pump Station  | 3.62   | 312.4                             | 10,000                                   |
| Gariep Pipeline<br>(188.5 km, 1800 Ø)                                 | 3.62   | 312.4                             | 7,540,000                                |
| Gravity Pipeline to Brandkop<br>(31.37 km, 2000 Ø)                    | 3.62   | 312.4                             | 1,254,800                                |
| Gravity Pipeline to Rustfontein Pump<br>Station<br>(24.52 km, 1400 Ø) | 2.43   | 209.8                             | 980,800                                  |
| Substation (2 sites)  | -  | -                                 | 22,500 per site                          |

## Power:

Eskom confirmed that the network can accommodate the project's power supply requirements and that in time the application will be done by the relevant applicant.

The contractor will make temporary arrangements for power supply required during the construction phase. At remote sites, diesel generators will be used for generating electricity.

18. *What is the size and location of the reservoir, and how will it be connected to power?*

Please refer to Section 5 of the draft BAR which provide a detailed description of the project as well as the answer provided in question 17.

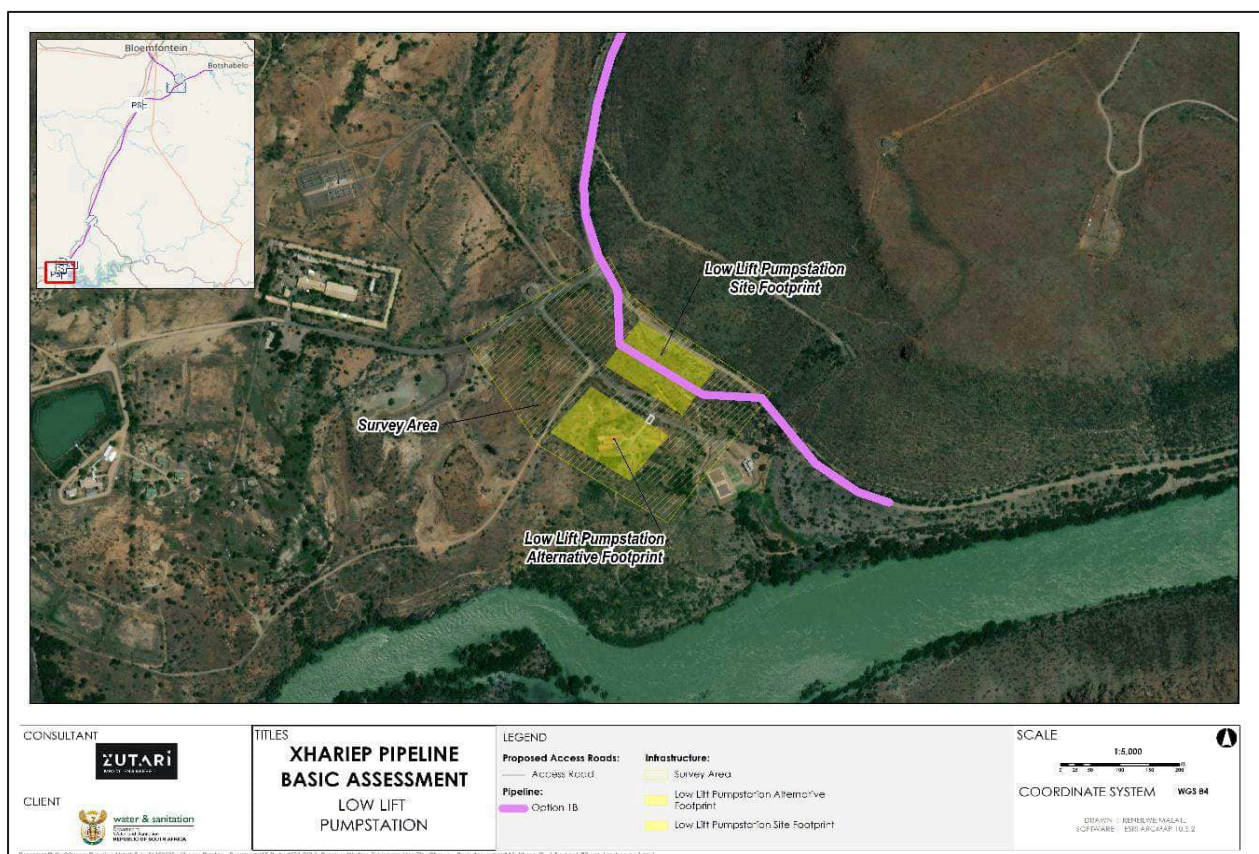
19. *How will access to the reservoir from the surrounding area be facilitated?*

Existing roads will be used as far as practically possible and feasible with new access roads to be constructed to permanent infrastructure locations, e.g. the water treatment works, pump stations and command reservoirs. The access roads to the water treatment works and pump stations will be 8.6m wide roads (two x 3.4m wide lanes) that will be asphalt surfaced or paved. The access roads to the command reservoirs will be 6m wide and be a combination of paved and gravel roads (i.e. paving required at steeper sections and where erosion is likely to occur). Access to the pipeline and associated structures will be along existing gravel and farms roads.

During the construction period a few internal roads will need to be established, however these roads will only be temporary and be scarified upon completion of construction activities.

20. *Can you clearly indicate on the map the access routes to the reservoir and pump station. Will these routes be tarmac?*

Please refer to the maps below. These maps are also incorporated in the draft BAR **Section 5**.



**Figure 1: Layout and access for the proposed low-lift pump station**



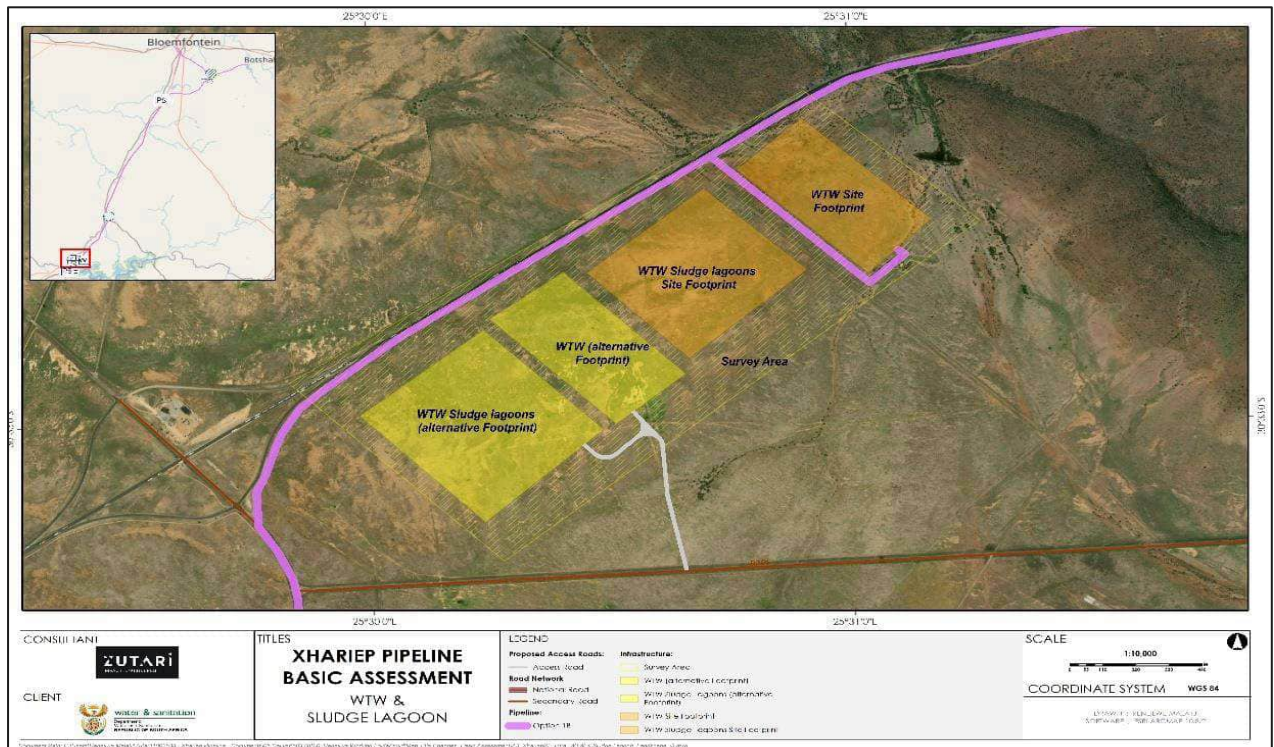


Figure 2: Proposed layout access of the WTP, sludge lagoons, and High Lift Pump Station

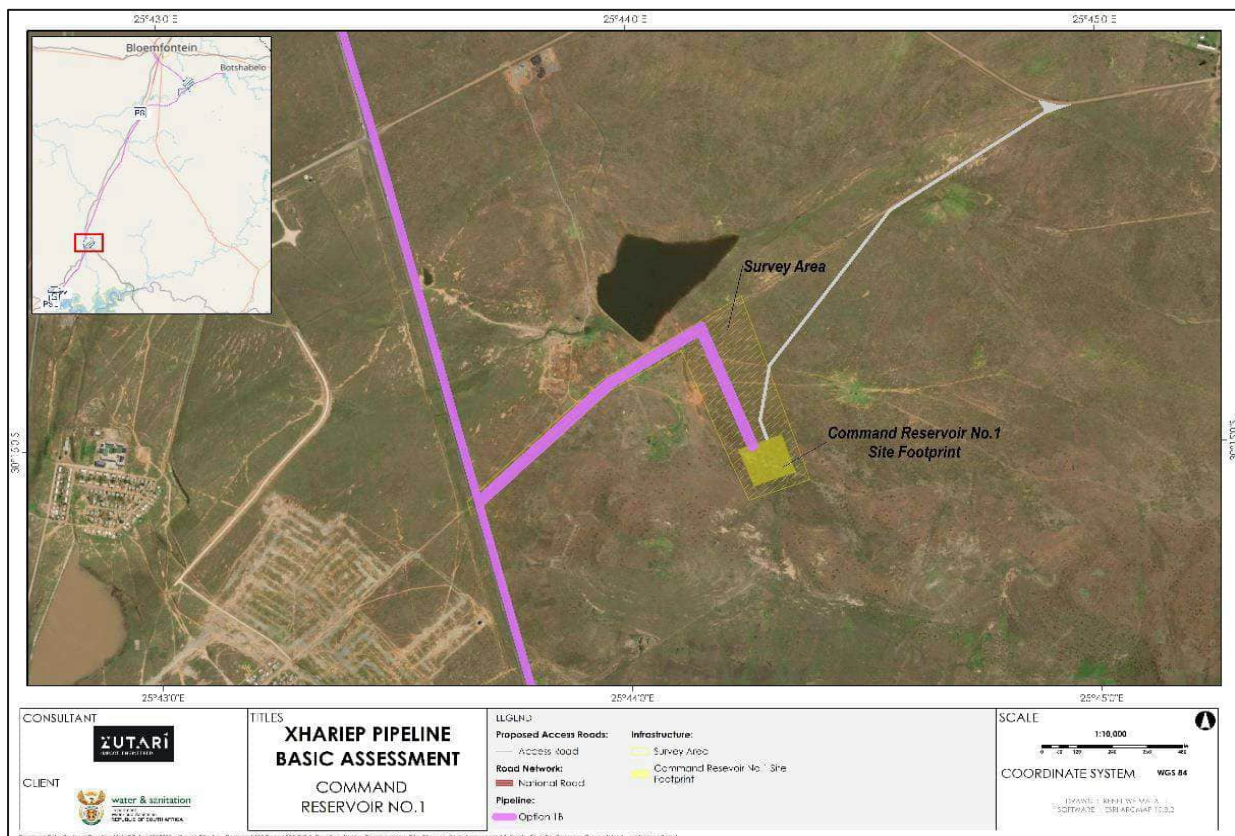


Figure 3: Layout and access of the proposed command reservoir No 1



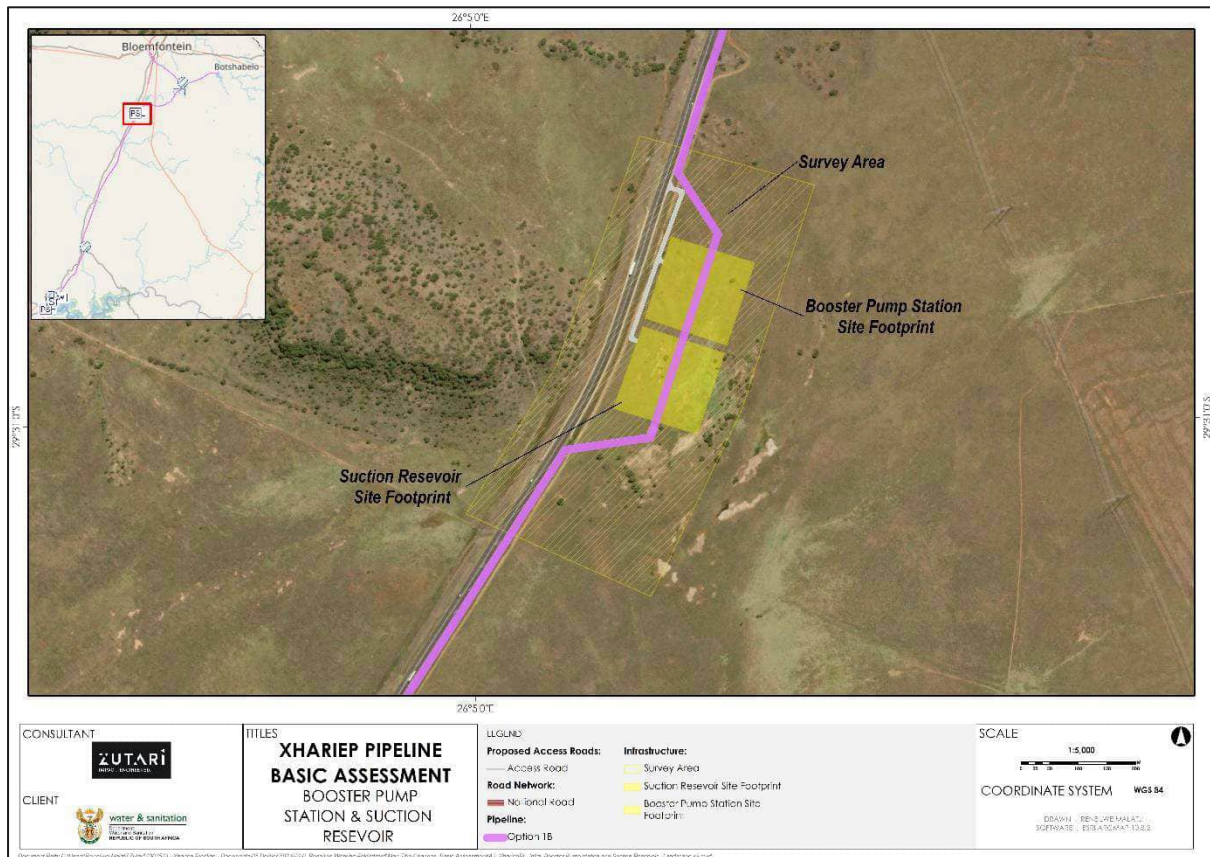


Figure 4: Proposed layout and access for booster pump station with suction reservoir

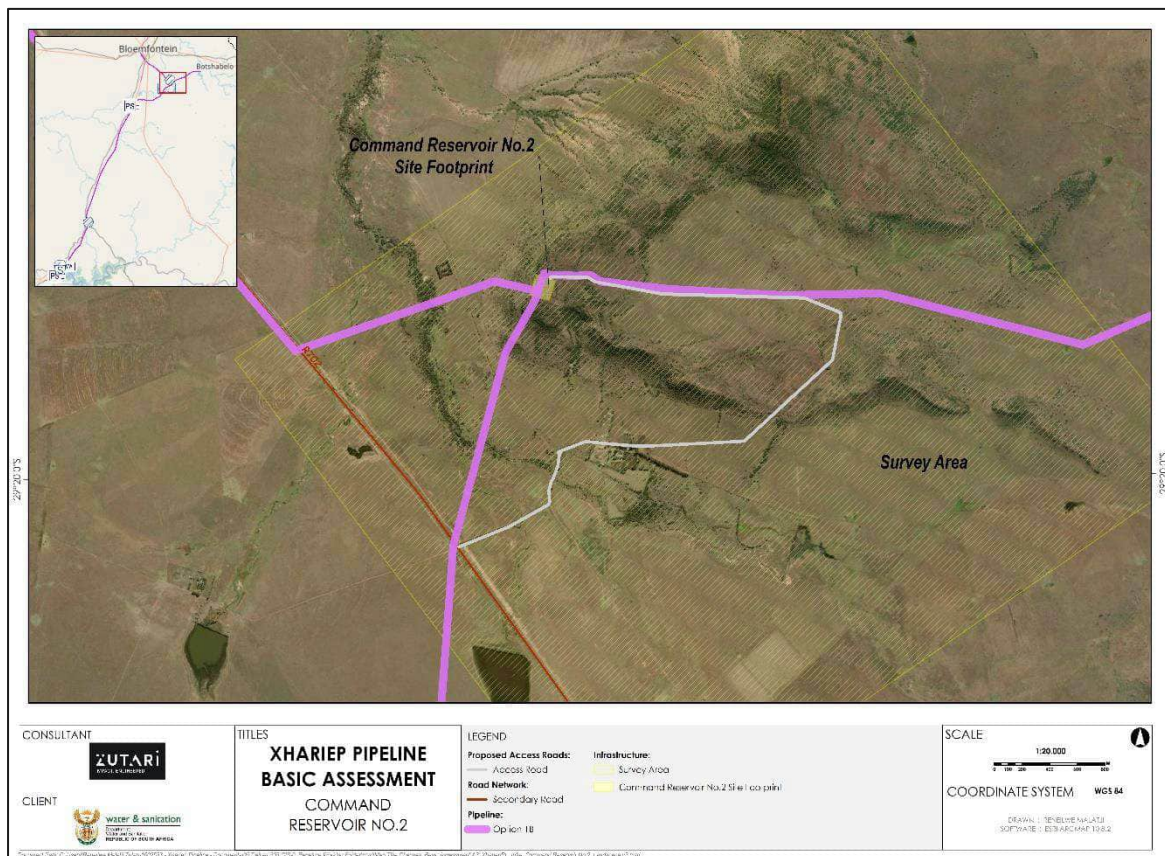


Figure 5: Proposed layout and access of the command reservoir No 2

Existing roads will be used as far as practically possible and feasible with new access roads to be constructed to permanent infrastructure locations, e.g. the water treatment works, pump stations and command reservoirs. The access roads to the water treatment works and pump stations will be 8.6m wide roads (two x 3.4m wide lanes) that will be asphalt surfaced or paved. The access roads to the command reservoirs will be 6m wide and be a combination of paved and gravel roads (i.e. paving required at steeper sections and where erosion is likely to occur). Access to the pipeline and associated structures will be along existing gravel and farms roads.

During the construction period a few internal roads will need to be established, however these roads will only be temporary and be scarified upon completion of construction activities.

## 21. *What is the anticipated duration of the project from start to completion?*

It is anticipated that construction could commence by early 2028 and be completed by early to mid-2032, whereafter the overall project must be commissioned. The commissioning phase can take up to six months, meaning that the scheme should be fully operational by end 2032.

## 22. *Are there any plans to construct a new pipeline from R702 to Bloemfontein or from R702 to Rustfontein dam, or will the existing pipeline route be utilized? Will Bloemwater be utilized for the pipeline to Bloemfontein?*

Yes, a new pipeline will be constructed from the 2<sup>nd</sup> command reservoir to Bloemfontein, as well as to Rustfontein/Botshabelo. The pipeline to Bloemfontein will follow the existing pipeline servitude along the R702 so that services can be grouped.

Vaal Central Water Board (previously known as Bloemwater) will not be used for construction or implementation of this pipeline.

## 23. *Why is the originally approved pipeline route from Gariep to Bloemfontein not being utilized?*

An Environmental Authorisation (EA) was signed and authorised by the Department of Economic, Small Business Development, Tourism and Environmental Affairs (DESTEA) on 07 July 2018 in terms of the NEMA Regulations of 2014 (as amended). Condition 1.6 stipulates: *If commencement of the activity does not occur within a period of 3 (three) years from the date of issue, the Authorisation lapses, and a new application for and EA must be made.* The applicant was the Manguang Metropolitan Municipality. The EA lapsed, and a new process is now underway, and the new applicant is the Department Water and Sanitation (DWS).

As noted in the response to Question 1, the previous studies had shortcomings in that it could not meet the demands of all the major demand centres. The originally approved option/scheme would have supplied potable water to Bloemfontein but would not have addressed the current shortages experienced at Botshabelo and Thaba Nchu.

## 24. *When is the environmental impact study scheduled to be conducted, and by whom will it be conducted?*

DWS appointed Zutari (Pty) Ltd as the independent Environmental Assessment Practitioner (EAP) to undertake the applications for Environmental Authorisation (EA) in terms of the National Environmental Management Act (Act No 107 of 1998) (NEMA) and its Environmental Impact Assessment (EIA) Regulations (2014 as amended in 2017). The impact assessments which were done by independent specialists was finalised during the first half of 2024. The compilation of the draft BAR also took place during this period.

Zutari started engagement with yourself on 23/01/2024 to inform you of the proposed project and to obtain your permission to access your farm as part of these assessments. Contact to engage with you comprised of phone calls, emails, contact with the farmers' association, a register letter, a detailed email notification to indicate the start of the public participation process for the environmental authorisation as well as an invitation to yourself written on 19/03/2024 to invite you to attend an engagement meeting where you could meet the project team in person to discuss the project. Furthermore, please note the following steps that was done as part of the public participation process:

1. **BID** – a Background Information Document (BID) was sent out to all I&APs who were on the previous I&AP list, as obtained from GladAfrica (previous consultants), as well as to newly-identified I&APs, hand delivered (where possible) to landowners along the proposed pipeline route and placed along with the draft BAR hard copies in the four identified public libraries as listed below.
2. **Written notice** – Written notices were sent to registered I&APs. This notification will inform the reader of the availability of the draft BAR, where and when to access it and where to send a comment. Written notices were distributed via email
3. **Site Notices** – The availability of the Draft BAR was advertised via ten site notices placed at strategic locations along the project.
4. **Newspaper advert** – The availability of the Draft BAR was advertised in the ‘The City Press and the “Rapport” newspapers on 2 June 2024 and informed the public of the public participation opportunities and the availability of the Draft BAR for comment.
5. **Information for review:** the draft BAR is accessible during the comment period as follows:
6. **Hard copies:** Four hard copies have been made available at the following locations: (i) Gariep Dam, (ii) Trompsburg, (iii) Edenburg and (iv) Bloemfontein
  - Gariepdam Public Library - 11 Patrys Street
  - Edenburg Public Library - 16 Church Street
  - Trompsburg Public Library - 78 Voortrekker Street
  - Lourierpark Public Library - Cnr Doringklaat & Nanabessie Streets
7. **Electronic copy:** is currently accessible via either of the following links:

Zutari :

<https://geoverse.zutari.com/portal/apps/experiencebuilder/experience/?id=2f48681c19a24836bcfc03da3c653c3a>

DWS: <https://www.dws.gov.za/projects.aspx>

8. **Focused Engagements:** focused engagements with key stakeholder groups, e.g. farmers and landowners, took place during the 30-day comment period. Three engagements took place at Gariep Dam, Trompsburg and Bloemfontein on 11 June 2024 at the following times and venues:
  - Gariep Dam: 08:30 to 10:30: de Stijl Gariep Hotel, 2 Aasvoel Street
  - Trompsburg: 12:30 to 15:00: Trompsburg Primary School (Kuier & Kleits Sentrum), 392 Wessels Street
  - Bloemfontein: 18:00 to 20:30: Protea Hotel by Marriott Bloemfontein Willow Lake, 101 Henry Street, Willows
9. **Comment period:** The Draft BAR was available for comment for 30-days from the 3<sup>rd</sup> of June 2024 to the 4<sup>th</sup> of July 2024
10. **Comments and responses report:** all comments will be captured and responded to in a comments and responses report (CRR). The CRR will be appended to the final BAR and submitted to the DFFE as part of the final application. Where appropriate the final BAR may be revised in response to comments received.

25. What alternative routes were considered for the pipeline from Reddersburg road to Rustfontein dam?

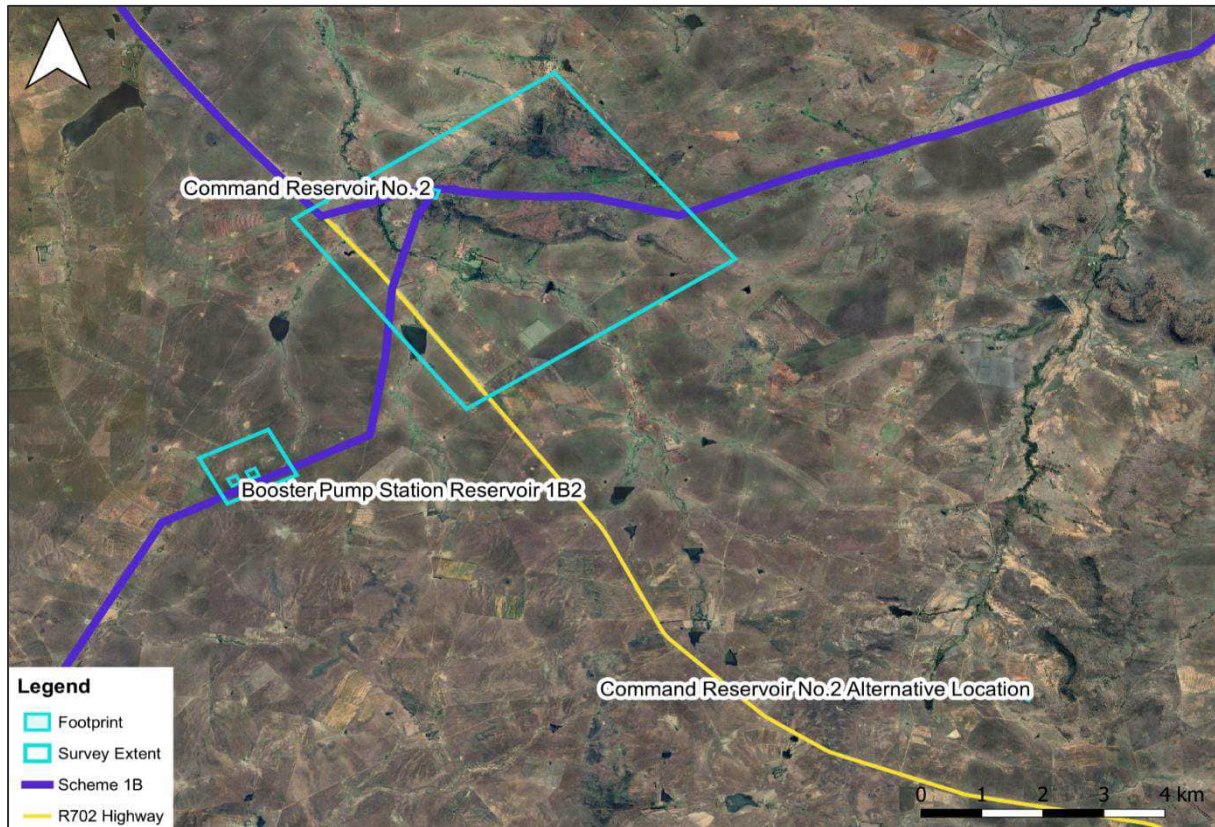
The location of the 2<sup>nd</sup> command reservoir, which had to be located at a minimum elevation of 1535 metres above sea level, dictated the pipeline alignment options. In order to minimise impacts on landowners and farming activities, the approach is to keep the pipeline close to or adjacent to existing services such as roads and overhead powerlines. The construction cost of the pipeline is approximately R 50 million per kilometre – as such, shorter routes are prioritised.

26. What alternative options and locations were considered for the placement of the reservoir and pumping station?



Refer to the responses to Questions 1 and 25 with respect to the location and options for the 2<sup>nd</sup> command reservoir.

In terms of the pump station, two positions were considered – one along the N1 Road (see Figure 4 above) and one close to the 2<sup>nd</sup> command reservoir (see Figure 6 below). These positions were determined by the hydraulic capacity of the pipelines, i.e. how far can the booster pump station be located from the 1<sup>st</sup> command reservoir before pumping is again required. Based on various considerations (e.g. impact on landowners, ease of access, power supply to the site, security, etc.), it was concluded that the site located along the N1 Road (shown in Figure 4) was preferred. As such, the site located close to the 2<sup>nd</sup> command reservoir (shown in Figure 6) is no longer being considered.



**Figure 6: Location of booster pump station in vicinity of command reservoir No 2**

27. *What measures will you put in place to prevent disturbance to the farming operations on the property?*

Please refer to the response provided to Question 4.

Please refer to the EMPr (Annexure G). Any additional safety measures can be raised, and this can be discussed with the client and be included in documentation.

28. *What precautions will you put in place to prevent biosecurity risks?*

Please refer to the EMPr (Annexure G). Any additional safety measures can be raised, and this can be discussed with the client to be included in documentation.

Yours faithfully

Stephan Kleynhans  
  
 Signed by: Stephan Kleynhans,  
 stephan.kleynhans@zutari.com

Stephan Kleynhans  
 Design Director  
 Copies: vanjaarsvelds@dws.gov.za





## water & sanitation

Department:  
Water and Sanitation  
REPUBLIC OF SOUTH AFRICA

Private Bag X 313, Pretoria 0001, Sedibeng Building, 185 Francis Baard Street, Pretoria 0002. Tel: +2712 336 7500,  
Enquiries: Zelda Phiri e-mail: [phiriz@dws.gov.za](mailto:phiriz@dws.gov.za) Tel: (012) 336 7954

Zutari (Pty)Ltd  
Private Bag X11  
Suite 70  
Brandhof  
9324

By email: [Stephen.kleyhans@zutari.com](mailto:Stephen.kleyhans@zutari.com)

Dear Mr Stephan Klynhans

### LETTER OF APPOINTMENT

#### **WP11405: GREATER MANGAUNG WATER AUGMENTATION PROJECT – XHARIEP PIPELINE FEASIBILITY STUDY.**

Your bid dated 05 August 2022 regarding the above-mentioned project refers.

We are pleased to inform you that your company has been appointed for the Greater Mangaung Water Augmentation project – Xhariep pipeline feasibility study.

Your appointment to render Greater Mangaung Water Augmentation project – Xhariep pipeline feasibility study is accepted at a total amount of R23,797,398.62 including vat.

Kindly take note that the required services should only be rendered after the issue of an official purchase order and the conclusion of a service level agreement.

You are requested to sign the acceptance of offer and submit to [phiriz@dws.gov.za](mailto:phiriz@dws.gov.za) within two days of receipt of this letter.

The contact person for this project is Mrs Sanet van Jarsveld Tel: 012 336 7284, or E-mail address: [vanjaarsvelds@dws.gov.za](mailto:vanjaarsvelds@dws.gov.za)

Yours sincerely,

**M. NANCY KHUBANA**  
**DIRECTOR: SUPPLY CHAIN MANAGEMENT**  
**DATE: 17/10/2022**



**NATIONAL DEVELOPMENT PLAN**  
*Our Future - make it work*



## water & sanitation

Department:  
Water and Sanitation  
REPUBLIC OF SOUTH AFRICA

### ACCEPTANCE OF OFFER

**WP 11405: GREATER MANGAUNG WATER AUGMENTATION PROJECT – XHARIEP  
PIPELINE FEASIBILITY STUDY.**

I/We, STEPHANUS HENDRIK KLEYNHANS

from (company name) ZUTARI (PTY) LTD

hereby unconditionally accept the offer and agree to the prescribed conditions for bid No:  
**WP11405**

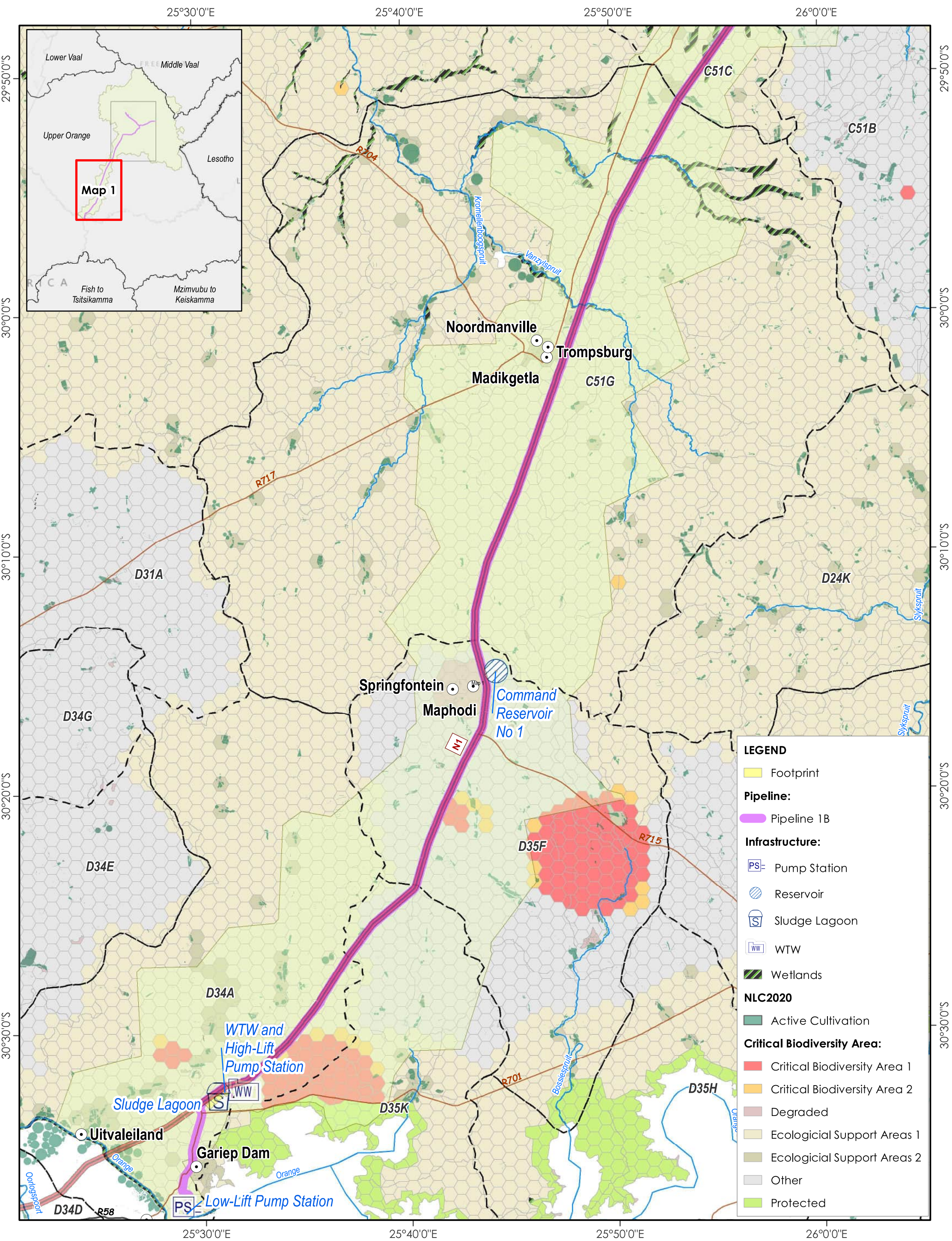
Signed at CAPE TOWN on 18 OCTOBER 2022.

Signature

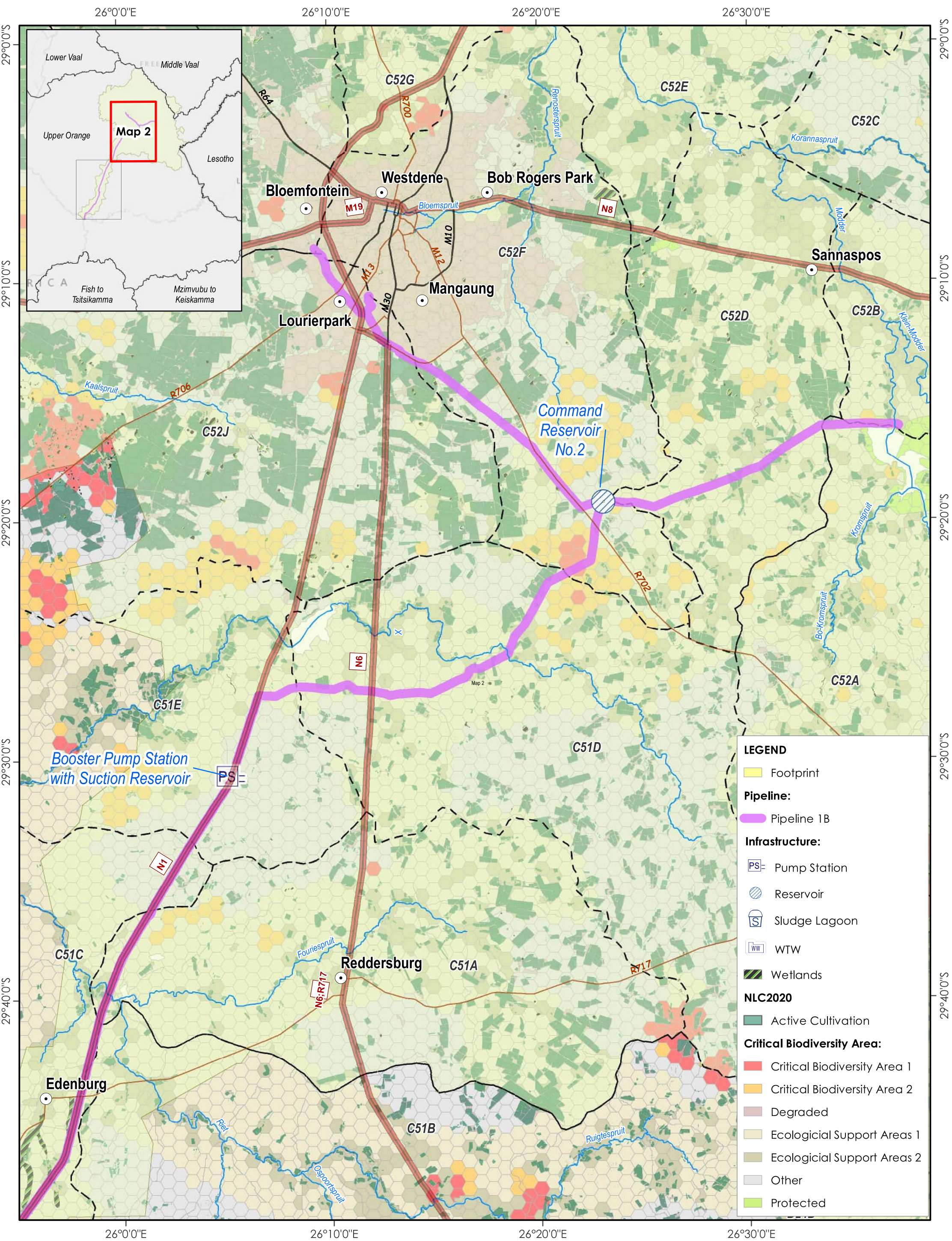
Date 18/10/2022











|  |   |   |   |
|--|---|---|---|
| <p>CONSULTANT</p> <p><b>ZUTARI</b><br/>IMPACT ENGINEERS</p> <p>CLIENT</p> <p><b>water &amp; sanitation</b><br/>Department of Water and Sanitation<br/>REPUBLIC OF SOUTH AFRICA</p> | <p>TITLES</p> <p><b>XHARIEP PIPELINE<br/>BASIC ASSESSMENT</b></p> <p>LOCALITY</p> | <p>Map 2</p> <p>○ Towns</p> <p>Study Area</p> <p><b>Road Network</b></p> <p>National Road</p> <p>National Road</p> <p>Primary Road</p> <p>Secondary Road</p> <p>Dams</p> <p>Rivers</p> <p>Quaternary Catchments</p> | <p>SCALE</p> <p>1:250,000</p> <p>0 1 2 4 6 km</p> <p>COORDINATE SYSTEM</p> <p>WGS 84</p> <p>DRAWN : RENELWE MALATJI<br/>SOFTWARE : ESRI ARCMAP 10.8.2</p> |
|--|---|---|---|



## Marianna Taljaard

---

**From:** Chris Richter <chris.richter.simbras@gmail.com>  
**Sent:** Thursday, 06 June 2024 10:07  
**To:** Xhariep; Genie De Waal  
**Subject:** Register as an Interested and affected party

After careful consideration and consultation with relevant stakeholders, legal advisors, and environmental experts, it has been determined that permitting the installation of a water pipeline through my farm ground is not feasible or permissible for the following reasons:

1. **Environmental Concerns:** The proposed pipeline route traverses environmentally sensitive areas within my farms, including wetlands, wildlife habitats, and conservation zones. Installation and operation of the pipeline etc. would pose a significant risk of ecosystem disruption, potentially leading to irreparable harm to local flora and fauna. There was no Environmental Impact Assessment on my farms and this is unacceptable.
2. **Agricultural Impacts:** My farms are a vital component of the local agricultural landscape, contributing to food production and rural livelihoods. The presence of a water pipeline could interfere with farming operations, including cultivation, irrigation, and livestock management, leading to adverse impacts on agricultural productivity and sustainability.
3. **Property Rights and Easements:** As the landowner, I have a legal right to control and manage the use of my property. Granting easements or rights-of-way for the installation of a water pipeline would infringe upon these property rights and could have long-term implications for land tenure and ownership.
4. **Safety:** There are concerns regarding the potential risks associated with the installation and operation of a water pipeline etc. Ensuring the safety of my family is paramount, and permitting the pipeline will compromise my welfare.

In light of the aforementioned considerations, we must respectfully decline the request to allow the installation of a water pipeline etc. on my farms. I trust that you will understand and respect the owner's decision.

Regards

**Chris Richter**



## Marianna Taljaard

---

**From:** Xhariep  
**Sent:** Monday, 10 June 2024 10:09  
**To:** Chris Richter; Xhariep; Genie De Waal; Corlie Steyn; Stephan Kleynhans; Wynand Loftus; Marianna Taljaard  
**Subject:** RE: Xhariep pipeline project - Chris Richter  
**Importance:** High

Good morning Chris

Please see replies to the points mentioned in your email below, of 6 June 2024, in green text.  
As mentioned in my email to you dated 4 June 2024, please let us know if you would like to take the opportunity to meet with the project team and DWS at the Zutari offices in Bloemfontein at 08:00 on the morning of 12 June 2024 (coming Wednesday morning).

Kind regards  
Genie

**Genie De Waal** *ND Business Computing*

SENIOR CONSULTANT: PUBLIC PARTICIPATION | ZUTARI

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**E** [Genie.deWaal@zutari.com](mailto:Genie.deWaal@zutari.com) **W** [zutari.com](http://zutari.com)

DISCLAIMER

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**From:** Chris Richter <[chris.richter.simbras@gmail.com](mailto:chris.richter.simbras@gmail.com)>  
**Sent:** Thursday, June 6, 2024 10:07 AM  
**To:** Xhariep <[xhariep@zutari.com](mailto:xhariep@zutari.com)>; Genie De Waal <[Genie.deWaal@zutari.com](mailto:Genie.deWaal@zutari.com)>  
**Subject:** Register as an Interested and affected party

After careful consideration and consultation with relevant stakeholders, legal advisors, and environmental experts, it has been determined that permitting the installation of a water pipeline through my farm ground is not feasible or permissible for the following reasons:

1. Environmental Concerns: The proposed pipeline route traverses environmentally sensitive areas within my farms, including wetlands, wildlife habitats, and conservation zones. Installation and operation of the pipeline etc. would pose a significant risk of ecosystem disruption, potentially leading to irreparable harm to local flora and fauna. There was no Environmental Impact Assessment on my farms and this is unacceptable.

All efforts were made to contact you (phone calls, emails and a registered letter), as well as messages via the Farmer's Association, to inform you of the proposed environmental process that will take place. None of these were answered. The proposal involves service delivery and the specialists therefore conducted desktop studies of the areas where they could not gain access to. The competent authority, namely DFFE, will decide whether these studies are sufficient to make an informed decision, namely to grant environmental authorisation or not. It has been noted in the environmental Basic Assessment that the proposed area for Command Reservoir 2 (on your farm) is located within a Critical Biodiversity Area (CBA). With mitigation measures, the major -negative

impact on flora and fauna can be mitigated to moderate, as per the specialist studies - see extract below.

| Project phase             | Construction   |   |                                  |  |
|---------------------------|--|---|----------------------------------|--|
| Impact                    | Loss of Vegetation - Command Reservoir 2   |   |                                  |  |
| Description of impact     | Clearance of vegetation for the construction of large concrete closed reservoir and access road  |   |                                  |  |
| Mitigability              | Low  | Mitigation does not exist, or mitigation will slightly reduce the significance of impacts   |                                  |  |
| Potential mitigation      | <p>Keep the project footprint as small as possible. Only remove vegetation directly within the construction footprint. There are (most likely) a number of protected trees (Wild olive trees) on the site. Preferably none of the wild olive trees to be removed. However, this might be impossible and in that case only those directly in the footprint may be removed. A final walk-down will be required and (most likely) a tree permit will be required prior to the removal of any olive trees. For every tree removed 5 new trees must be planted on the same hill / ridge. These trees need to be looked after and watered for the first two years until established and survival is guaranteed. Natural vegetation where no development is taking place should be left undisturbed. Temporary laydown and site office areas to be established in disturbed or low sensitivity areas and on flat areas below the hill / ridge and not on steep gradients nor on top of the hill / ridge. Final access roads for the site to be used as access roads during the construction phase as well. No new temporary access roads to be built. The site has some very steep areas that need to be monitored for erosion, gully formation from rainfall and movement of loose soils down slopes. A site-specific rehabilitation plan is required and must form part of the final phase of the construction phase. An independent ECO is required for the construction of the reservoir. The site is very sensitive and is within a CBA.</p> <p>Note: The specific site was not able to be accessed during field investigations. However, the site was viewed from a distance and furthermore, the Specialist has a good understanding and knowledge of the general environment and aspects of these inselbergs / hills / ridges in the Free State Province.</p> |   |                                  |  |
| Assessment                | Without mitigation   |   | With mitigation                  |  |
| Nature                    | Negative   | Impact may be permanent, or in excess of 20 years   | Negative                         | Impact will last between 15 and 20 years   |
| Duration                  | Permanent  |   | On-going                         |  |
| Extent                    | Local  | Extending across the site and to nearby settlements   | Local                            | Extending across the site and to nearby settlements                                      |
| Intensity                 | Very high  | Natural and/ or social functions and/ or processes are majorly altered                      | High                             | Natural and/ or social functions and/ or processes are notably altered                   |
| Probability               | Certain / definite   | There are sound scientific reasons to expect that the impact will definitely occur          | Almost certain / Highly probable | It is most likely that the impact will occur   |
| Confidence                | High   | Substantive supportive data exists to verify the assessment                                 | Medium                           | Determination is based on common sense and general knowledge                             |
| Reversibility             | Low  | The affected environment will not be able to recover from the impact - permanently modified | Medium                           | The affected environment will only recover from the impact with significant intervention |
| Resource irreplaceability | Medium   | The resource is damaged irreparably but is represented elsewhere                            | Medium                           | The resource is damaged irreparably but is represented elsewhere                         |
| Significance              | Major - negative   |   | Moderate - negative              |  |
| Comment on significance   | None   |   |                                  |  |

| Project phase             |   | Construction  |                                  |  |  |
|---------------------------|---|---|----------------------------------|--|--|
| Impact                    | Loss of Faunal Habitat - Command Reservoir 2  |   |                                  |  |  |
| Description of impact     | Clearance of vegetation that has a direct impact on loss of habitat utilised by fauna for foraging, nesting, breeding, cover, etc.  |   |                                  |  |  |
| Mitigability              | Low   | Mitigation does not exist, or mitigation will slightly reduce the significance of impacts   |                                  |  |  |
| Potential mitigation      | <p>Keep the project footprint as small as possible. Only remove vegetation directly within the construction footprint. There are (most likely) a number of protected trees (Wild olive trees) on the site. Preferably none of the wild olive trees to be removed. However, this might be impossible and in that case only those directly in the footprint may be removed. A final walk-down will be required and (most likely) a tree permit will be required prior to the removal of any olive trees. For every tree removed 5 new trees must be planted on the same hill / ridge. These trees need to be looked after and watered for the first two years until established and survival is guaranteed. Natural vegetation where no development is taking place should be left undisturbed. Temporary laydown and site office areas to be established in disturbed or low sensitivity areas and on flat areas below the hill / ridge and not on steep gradients nor on top of the hill / ridge. Final access roads for the site to be used as access roads during the construction phase as well. No new temporary access roads to be built. The site has some very steep areas that need to be monitored for erosion, gully formation from rainfall and movement of loose soils down slopes. A site-specific rehabilitation plan is required and must form part of the final phase of the construction phase. An independent ECO is required for the construction of the reservoir. The site is very sensitive and is within a CBA. Note: The specific site was not able to be accessed during field investigations. However, the site was viewed from a distance and furthermore, the Specialist has a good understanding and knowledge of the general environment and aspects of these inselbergs / hills / ridges in the Free State Province.</p> |   |                                  |  |  |
| Assessment                | Without mitigation  |   | With mitigation                  |  |  |
| Nature                    | Negative  |   | Negative                         |  |  |
| Duration                  | Permanent   | Impact may be permanent, or in excess of 20 years   | On-going                         | Impact will last between 15 and 20 years   |  |
| Extent                    | Local   | Extending across the site and to nearby settlements   | Local                            | Extending across the site and to nearby settlements                                      |  |
| Intensity                 | Very high   | Natural and/ or social functions and/ or processes are majorly altered                      | High                             | Natural and/ or social functions and/ or processes are notably altered                   |  |
| Probability               | Certain / definite  | There are sound scientific reasons to expect that the impact will definitely occur          | Almost certain / Highly probable | It is most likely that the impact will occur   |  |
| Confidence                | High  | Substantive supportive data exists to verify the assessment                                 | Medium                           | Determination is based on common sense and general knowledge                             |  |
| Reversibility             | Low   | The affected environment will not be able to recover from the impact - permanently modified | Medium                           | The affected environment will only recover from the impact with significant intervention |  |
| Resource irreplaceability | Medium  | The resource is damaged irreparably but is represented elsewhere                            | Medium                           | The resource is damaged irreparably but is represented elsewhere                         |  |
| Significance              | Major - negative  |   | Moderate - negative              |  |  |
| Comment on significance   | None  |   |                                  |  |  |

2. Agricultural Impacts: My farms are a vital component of the local agricultural landscape, contributing to food production and rural livelihoods. The presence of a water pipeline could interfere with farming operations, including cultivation, irrigation, and livestock management, leading to adverse impacts on agricultural productivity and sustainability.

The outcome of the agricultural specialist study in reference to Command Reservoir, 2 is shown below. With the proposed mitigation measures, the outcome in significance is negligible.

TABLE 12: IMPACT OF THE PIPELINE ON AGRICULTURAL RESOURCES

| Project phase             | Construction   |  |                       |  |
|---------------------------|--|--|-----------------------|--|
| Impact                    | Pipeline from Gariepdam to connection points   |  |                       |  |
| Description of impact     | Option 1B1 Gravity pipeline to Bloemfontein, Option 1B Gravity pipeline to Botshabelo and Option 1B Potable water from Gariep to <b>Command Reservoir</b> could result in loss of low to medium potential grazing land |  |                       |  |
| Mitigability              | High   | Mitigation exists and will considerably reduce the significance of impacts               |                       |  |
| Potential mitigation      | Removal of rubble, complete closure of excavation and re-vegetation. Limit construction footprint  |  |                       |  |
| Assessment                | Without mitigation   |  | With mitigation       |  |
| Nature                    | Negative   |  | Negative              |  |
| Duration                  | On-going   | Impact will last between 15 and 20 years   | Short term            | Impact will last between 1 and 5 years   |
| Extent                    | Limited  | Limited to the site and its immediate surroundings                                       | Very limited          | Limited to specific isolated parts of the site   |
| Intensity                 | Very low   | Natural and/ or social functions and/ or processes are slightly altered                  | Negligible            | Natural and/ or social functions and/ or processes are negligibly altered                |
| Probability               | Almost certain / Highly probable   | It is most likely that the impact will occur   | Unlikely              | Has not happened yet but could happen once in the lifetime of the                        |
| Confidence                | Medium   | Determination is based on common sense and general knowledge                             | Medium                | Determination is based on common sense and general knowledge                             |
| Reversibility             | Medium   | The affected environment will only recover from the impact with significant intervention | Medium                | The affected environment will only recover from the impact with significant intervention |
| Resource irreplaceability | Low  | The resource is not damaged irreparably or is not scarce                                 | Low                   | The resource is not damaged irreparably or is not scarce                                 |
| Significance              | Minor - negative   |  | Negligible - negative |  |
| Comment on significance   | The proposed pipeline is a linear development whose impacts could be mitigated through rehabilitation. The significance will therefore be negligible with mitigation   |  |                       |  |
| Cumulative impacts        | N/A  |  |                       |  |

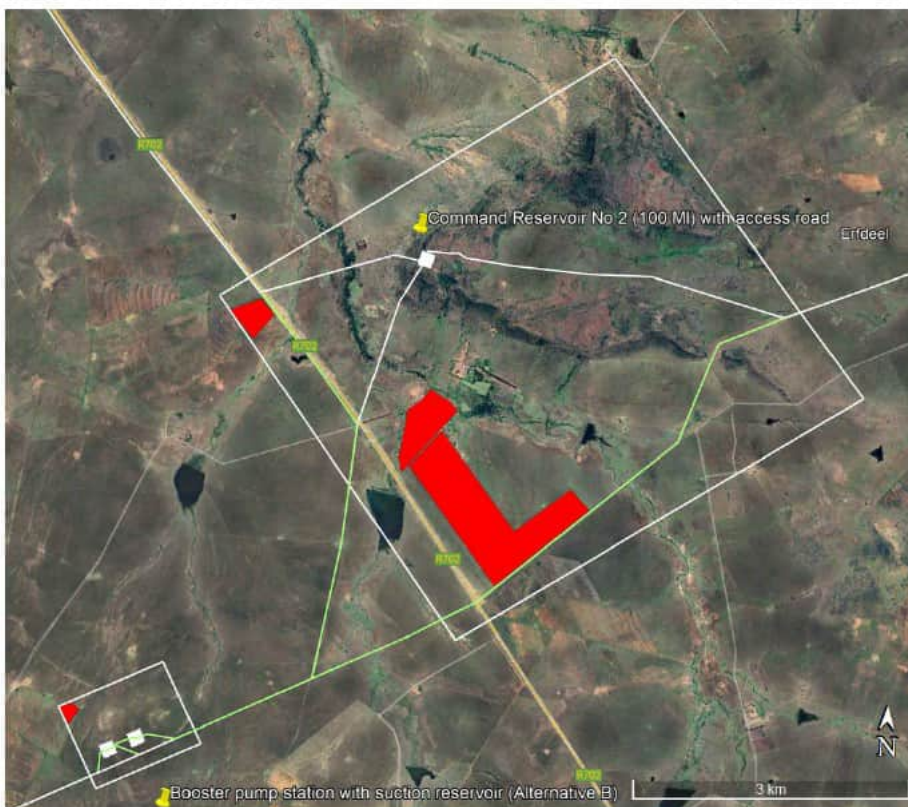


FIGURE 61: ACTUAL PROJECT FOOTPRINT OF COMMAND RESERVOIR 2 (OPTION 1B1) AND BOOSTER PUMP STATION (OPTION 1B1). HIGH SENSITIVITY AREAS IN RED.

3. Property Rights and Easements: As the landowner, I have a legal right to control and manage the use of my property. Granting easements or rights-of-way for the installation of a water pipeline would infringe upon these property rights and could have long-term implications for land tenure and ownership

The proposed project falls under the Strategic Integrated Project (SIP) 18 and 19 and forms part of the Bulk Raw Water Resources Development Infrastructure programme - Water and Sanitation Infrastructure which is a nationwide project in all provinces. Projects under this programme, together



with any relevant associated infrastructure, are classified as Strategic Integrated Projects and are to be managed within the requirements of the Infrastructure Development Act (IDA) (Act No.23 of 2014) and its amendments. In terms of the SIPS, there is a 10-year plan to address the estimated backlog of adequate water supply to 1.4 million households and 2.1 million households to basic sanitation. The project will involve provision of sustainable supply of water to meet social needs and support economic growth. DWS is the applicant and needs to provide this service.

In terms of property rights and further engagements, kindly note that the project is currently in the detailed feasibility phase, whereafter a detailed design must be undertaken prior to construction commencing. Upon completion of the detailed feasibility phase, DWS will issue an instruction to the Sub Directorate: Land Rights Administration (LRA), which is the unit within DWS responsible for all land related matters for the DWS (country-wide) to acquire the land and servitudes needed for the project. LRA will obtain approval from the Minister of Water and Sanitation to expropriate the land and servitudes.

After approval is granted, LRA will appoint a professional registered valuer (at the cost of the project, not the landowners) and a public meeting will be arranged, normally by/through an appointed social facilitator, with all the affected owners/persons. At the meeting, LRA, together with the appointed valuer, will explain the acquisition process and the valuation process. After this meeting, one-on-one meetings will be held with all the affected owners where the processes will again be explained in detail. The valuer will then visit every affected owner on site and conduct his valuation of the servitude or the land affected by the project. The valuer will then do market research, etc, and compile his valuation report for each owner, and then submit it to LRA who will have the compensation, as recommended by the valuer, approved, and notices of expropriation will be compiled wherein the amount offered will be mentioned and sent to the affected owners.

In terms of the Expropriation Act, the owner then has 60 days to indicate whether he/she accepts the offer or not. If the offer is not accepted, the owner can submit a counterclaim in terms of the Act, which claim must be accompanied with motivation/own valuation report. This claim will be forwarded to the valuer for consideration and comments. After the valuer's comments and recommendation is received, a round-table meeting can be held between the owner, his/her valuer/experts, LRA and their valuer, to see if agreement on the amount of compensation can be reached. If no agreement can be reached, the owner can then, in terms of the Act, take the matter to a suitable court, who will decide on the compensation to be paid.

LRA makes use of the State Attorney to register the servitudes or acquired land/portions of land, in the relevant Deeds Office. The servitude conditions can also be negotiated with the owner in order to cover the owner's concerns.

LRA uses the following legislation for the acquisition of land and servitudes:

- The Constitution, section 25;
- The National Water Act, Act 36 of 1998, sections 64 and 65; and
- The Expropriation Act, Act 63 of 1975.

4. Safety: There are concerns regarding the potential risks associated with the installation and operation of a water pipeline etc. Ensuring the safety of my family is paramount, and permitting the pipeline will compromise my welfare.

Special safety precaution measures can be raised with the Client (DWS) to be included in relevant documentation. It is therefore strongly advised that you pro-actively engage DWS and the project team to ensure that any concerns you may have, are addressed as soon as possible.

In light of the aforementioned considerations, we must respectfully decline the request to allow the installation of a water pipeline etc. on my farms. I trust that you will understand and respect the owner's decision.

We encourage you to engage DWS and the project team as soon as possible. The project is in the detailed feasibility phase and, as such, infrastructure placement can still be refined (kindly note that the Command Reservoir 2 position is influenced by the elevation thereof and can therefore not be moved) to minimise potential impact. Through early engagement, landowners can provide inputs to servitude conditions, further mitigation measures during and post construction, safety aspects during and post construction, etc.

A detailed response will be compiled to your earlier email (3 June 2024), containing 28 questions, and will be shared in due course.

Regards

**Chris Richter**

## Marianna Taljaard

---

**From:** ian@hillsidefarm.co.za  
**Sent:** Tuesday, 04 June 2024 14:25  
**To:** Genie De Waal  
**Subject:** RE: XHARIEP WATER PIPELINE: NOTIFICATION OF INFORMATION-SHARING MEETINGS: DFFE Ref No: 14/12/16/3/3/1/2996

You don't often get email from ian@hillsidefarm.co.za. [Learn why this is important](#)

Dear Genie

I do not necessarily want to sit through a 2-hour meeting to have the following questions answered:

1. What is the exact route of the pipeline? (ultimately, I want to know if it runs through our farm like the N1 does – farm situated between Springfontein and Trompsburg on the N1). Some how my thinking was that the pipeline was going to run west of the old gravel road between Springfontein and Trompsburg.
2. If so, will we be able to buy water from the pipeline if it does run through the farm?

I look forward to hearing from you.

Regards  
Ian

**Ian McLachlan**

Mobile: 082 895 8188

Email: [ian@hillsidefarm.co.za](mailto:ian@hillsidefarm.co.za)

**On behalf of Westwind Estates (Pty) Ltd / Hillside Farm**

---

**From:** Xhariep <xhariep@zutari.com>  
**Sent:** Tuesday, June 4, 2024 1:30 PM  
**To:** Xhariep <xhariep@zutari.com>; Genie De Waal <Genie.deWaal@zutari.com>; Corlie Steyn <Corlie.Steyn@zutari.com>; Marianna Taljaard <Marianna.Taljaard@zutari.com>; Wynand Loftus <Wynand.Loftus@zutari.com>  
**Subject:** XHARIEP WATER PIPELINE: NOTIFICATION OF INFORMATION-SHARING MEETINGS: DFFE Ref No: 14/12/16/3/3/1/2996  
**Importance:** High

Dear interested and/or affected party

The public participation process has now commenced for the above project – the comment period for the draft Basic Environmental Assessment Report and Water Use Licence application opened yesterday, and a series of three information-sharing meetings are scheduled for 11 June 2024 as follows:

- \* *Gariep Dam: 08:30 to 10:30: de Stijl Gariep Hotel, 2 Aasvoel Street*
- \* *Trompsburg: 12:30 to 15:00: Trompsburg Primary School (Kuier & Kleits Sentrum), 392 Wessels Street*
- \* *Bloemfontein: 18:00 to 20:30: Protea Hotel by Marriott Bloemfontein Willow Lake, 101 Henry Street, Willows*

You are most welcome to join any of these meetings that may be convenient for you.

Below is the proposed agenda for these engagement meetings:

1. Reception
2. Welcome and Introduction
3. Attendance and Apologies
4. Acceptance of the Agenda
5. Project Background
6. Schemes/Options Evaluated
7. Details of Preferred Scheme/Option
8. Basic Assessment Process
9. Public Participation Process
10. Project Timeframes
11. Questions

Please feel free to forward this invite to your neighbours and adjacent landowners, and members of the various agricultural associations in the area.

We look forward to meeting you, to discuss the proposed project and to respond to any questions/concerns you may wish to pose to the project team.

Kind regards  
Genie

**Genie De Waal** *ND Business Computing*

SENIOR CONSULTANT: PUBLIC PARTICIPATION | ZUTARI

---

**E** [Genie.deWaal@zutari.com](mailto:Genie.deWaal@zutari.com) **W** [zutari.com](http://zutari.com)

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## Marianna Taljaard

---

**From:** Werner Griessel  
**Sent:** Wednesday, 12 June 2024 09:45  
**To:** ian@hillsidefarm.co.za  
**Cc:** Werner Barnard; Stephan Kleynhans; Wynand Loftus; Marianna Taljaard; Corlie Steyn  
**Subject:** RE: XHARIEP WATER PIPELINE: NOTIFICATION OF INFORMATION-SHARING MEETINGS: DFFE Ref No: 14/12/16/3/3/1/2996  
**Attachments:** Geotech & Survey Site Investigations v4.kmz

Good morning Mr Ian McLachlan,

I hope this email finds you well.

Thank you for your patience and taking the time to reach out to our office.

During the Public Participation meetings held yesterday we made contact with a few of the landowners in your nearby vicinity.

Relating to our telephonic conversation on Monday morning and the subsequent correspondence, I am responding to the following points:

1. The pipeline will be routed all along the N1 from the Gariepdam towards Bloemfontein, on the right-hand side, and will deviate from the N1 about 5.5km before Tierpoort Dam onto the S299. According to my knowledge you are more interested in the section between Springfontein and Trompsburg. Attached please find the .kmz file depicting the pipe route.



2. The pipe section between Gariepdam and the Command reservoir near Springfontein is a pumping mainline. Due to the operational conditions of the pump sets, take off points are prohibited on this section. The section passing through your property is a gravity mainline until you reach the booster pump station approximately 7km before the pipeline deviating onto the S299; however, at this stage no allowance was made for take-off points along the pipeline. During our meetings yesterday Mr Stephan Kleynhans (Design Engineers and Study Leader on the project) did not exclude the possibility and suggested that an application can be made for a farmer to have a dedicated take off point for usage of water. Please see the snippet below depicting the booster pump station where the pipeline transitions from a gravity to a pumping mainline.





3. You also enquired about the servitude width. A servitude of approximately 15m will be registered with a working width of approximately 50m from the fence line. The aim is to have the centre of the pipeline approximately 25m from the fence line into the farm property.

If you have any additional queries or comments, please do not hesitate to contact me. I am glad to assist you in any manner possible.

Kind regards

**Werner Griessel** BTech. Civil Engineering, ND Civil Engineering

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**From:** [ian@hillsidefarm.co.za](mailto:ian@hillsidefarm.co.za) <[ian@hillsidefarm.co.za](mailto:ian@hillsidefarm.co.za)>

**Sent:** Monday, June 10, 2024 9:09 AM

**To:** Werner Griessel <[Werner.Griessel@zutari.com](mailto:Werner.Griessel@zutari.com)>

**Subject:** FW: XHARIEP WATER PIPELINE: NOTIFICATION OF INFORMATION-SHARING MEETINGS: DFFE Ref No: 14/12/16/3/3/1/2996

You don't often get email from [ian@hillsidefarm.co.za](mailto:ian@hillsidefarm.co.za). [Learn why this is important](#)

Hi Werner

Thank you for taking my call.

My two questions:

1. What is the exact route of the pipeline? ( ultimately, I want to know if it runs through our farm like the N1 does – farm situated between Springfontein and Trompsburg on the N1
2. If so, will we be able to buy water from the pipeline if it does run though the farm?

I look forward to hearing from you.

Regards  
Ian

**Ian McLachlan**

Mobile: 082 895 8188

Email: [ian@hillsidefarm.co.za](mailto:ian@hillsidefarm.co.za)

**On behalf of Westwind Estates (Pty) Ltd / Hillside Farm**

---

**From:** Xhariep <[xhariep@zutari.com](mailto:xhariep@zutari.com)>

**Sent:** Tuesday, June 4, 2024 1:30 PM

**To:** Xhariep <[xhariep@zutari.com](mailto:xhariep@zutari.com)>; Genie De Waal <[Genie.deWaal@zutari.com](mailto:Genie.deWaal@zutari.com)>; Corlie Steyn <[Corlie.Steyn@zutari.com](mailto:Corlie.Steyn@zutari.com)>; Marianna Taljaard <[Marianna.Taljaard@zutari.com](mailto:Marianna.Taljaard@zutari.com)>; Wynand Loftus <[Wynand.Loftus@zutari.com](mailto:Wynand.Loftus@zutari.com)>

**Subject:** XHARIEP WATER PIPELINE: NOTIFICATION OF INFORMATION-SHARING MEETINGS: DFFE Ref No: 14/12/16/3/3/1/2996

**Importance:** High

Dear interested and/or affected party

The public participation process has now commenced for the above project – the comment period for the draft Basic Environmental Assessment Report and Water Use Licence application opened yesterday, and a series of three information-sharing meetings are scheduled for 11 June 2024 as follows:

\* *Gariep Dam: 08:30 to 10:30: de Stijl Gariep Hotel, 2 Aasvoel Street*

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You are most welcome to join any of these meetings that may be convenient for you.

Below is the proposed agenda for these engagement meetings:

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7. Details of Preferred Scheme/Option
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10. Project Timeframes
11. Questions



Please feel free to forward this invite to your neighbours and adjacent landowners, and members of the various agricultural associations in the area.

We look forward to meeting you, to discuss the proposed project and to respond to any questions/concerns you may wish to pose to the project team.

Kind regards  
Genie

**Genie De Waal** *ND Business Computing*

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**E** [Genie.deWaal@zutari.com](mailto:Genie.deWaal@zutari.com) **W** [zutari.com](http://zutari.com)

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## Marianna Taljaard

---

**From:** Werner Griessel  
**Sent:** Thursday, 20 June 2024 14:43  
**To:** ian@hillsidefarm.co.za  
**Cc:** Werner Barnard; Stephan Kleynhans; Wynand Loftus; Marianna Taljaard; Corlie Steyn  
**Subject:** RE: XHARIEP WATER PIPELINE: NOTIFICATION OF INFORMATION-SHARING MEETINGS: DFFE Ref No: 14/12/16/3/3/1/2996

Good afternoon Mr Ian McLachlan,

I hope this email finds you in good faith.

Zutari's appointment is for the detailed feasibility phase of the project, whereafter DWS will appoint a professional service provider to undertake the detailed design and construction supervision. However, in terms of engagements between landowners and DWS, the following processes are likely to be followed:

The Sub Directorate: Land Rights Administration (LRA) is the unit within the Department of Water and Sanitation (DWS) responsible for all land-related matters nationwide. The LRA unit is situated in Pretoria.

After a detailed feasibility phase is approved, an instruction is given to the LRA by the DWS Project Manager to acquire the land and servitudes needed for the project. The LRA will then obtain approval from the Minister of Water and Sanitation to engage affected landowners regarding the procurement of land and registration of servitudes. Once approval is granted, the LRA will appoint a professional registered valuer (at the project's cost), and a public meeting will be arranged, typically through an appointed social facilitator, with all affected owners/persons.

At the meeting, the LRA and the appointed valuer will explain the acquisition and valuation processes. Following this meeting, one-on-one meetings will be held with all affected owners to further detail the processes. The valuer will then visit each affected owner on-site to conduct the valuation of the servitude or land affected by the project.

During these one-on-one engagements, landowners will have the opportunity to raise conditions (e.g. water off-take point) they may want to propose as part of the Agreement to be concluded between DWS and the landowner. Each condition/request will be evaluated based on merit before being agreed to.

After conducting market research and completing other necessary steps, the valuer will compile a valuation report for each owner and submit it to the LRA, which will handle the compensation as recommended by the valuer.

Zutari will record your request for an off-take as part of the records of the public participation process. This will ensure that this information can be passed on to the LRA when they commence the one-on-one meetings.

I hope this provides you with more clarity on the way forward.

Do not hesitate to contact me should you require any additional information.

Kind regards

**Werner Griessel** *Pr Tech Eng, BTech Eng: Civil, NDip Eng: Civil*

CIVIL TECHNOLOGIST | ZUTARI

---

**M** +27-72-0487866 **E** [Werner.Griessel@zutari.com](mailto:Werner.Griessel@zutari.com) **W** [zutari.com](http://zutari.com)

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---

**From:** ian@hillsidefarm.co.za <ian@hillsidefarm.co.za>

**Sent:** Wednesday, June 12, 2024 11:19 AM

**To:** Werner Griessel <Werner.Griessel@zutari.com>

**Cc:** Werner Barnard <Werner.Barnard@zutari.com>; Stephan Kleynhans <Stephan.Kleynhans@zutari.com>; Wynand Loftus <Wynand.Loftus@zutari.com>; Marianna Taljaard <Marianna.Taljaard@zutari.com>; Corlie Steyn

<Corlie.Steyn@zutari.com>

**Subject:** RE: XHARIEP WATER PIPELINE: NOTIFICATION OF INFORMATION-SHARING MEETINGS: DFFE Ref No: 14/12/16/3/3/1/2996

Hi Werner

Thank you for responding.

I am interested in a take off point. Please let me know how I need to go about it to apply.

Regards  
Ian

**Ian McLachlan**

Mobile: 082 895 8188

Email: [ian@hillsidefarm.co.za](mailto:ian@hillsidefarm.co.za)

**On behalf of Westwind Estates (Pty) Ltd / Hillside Farm**

---

**From:** Werner Griessel <[Werner.Griessel@zutari.com](mailto:Werner.Griessel@zutari.com)>

**Sent:** Wednesday, June 12, 2024 9:45 AM

**To:** [ian@hillsidefarm.co.za](mailto:ian@hillsidefarm.co.za)

**Cc:** Werner Barnard <[Werner.Barnard@zutari.com](mailto:Werner.Barnard@zutari.com)>; Stephan Kleynhans <[Stephan.Kleynhans@zutari.com](mailto:Stephan.Kleynhans@zutari.com)>; Wynand Loftus <[Wynand.Loftus@zutari.com](mailto:Wynand.Loftus@zutari.com)>; Marianna Taljaard <[Marianna.Taljaard@zutari.com](mailto:Marianna.Taljaard@zutari.com)>; Corlie Steyn <[Corlie.Steyn@zutari.com](mailto:Corlie.Steyn@zutari.com)>

**Subject:** RE: XHARIEP WATER PIPELINE: NOTIFICATION OF INFORMATION-SHARING MEETINGS: DFFE Ref No: 14/12/16/3/3/1/2996

Good morning Mr Ian McLachlan,

I hope this email finds you well.

Thank you for your patience and taking the time to reach out to our office.

During the Public Participation meetings held yesterday we made contact with a few of the landowners in your nearby vicinity.

Relating to our telephonic conversation on Monday morning and the subsequent correspondence, I am responding to the following points:

1. The pipeline will be routed all along the N1 from the Gariepdam towards Bloemfontein, on the right-hand side, and will deviate from the N1 about 5.5km before Tierpoort Dam onto the S299. According to my knowledge you are more interested in the section between Springfontein and Trompsburg. Attached please find the .kmz file depicting the pipe route.



2. The pipe section between Gariepdam and the Command reservoir near Springfontein is a pumping mainline. Due to the operational conditions of the pump sets, take off points are prohibited on this section. The section passing through your property is a gravity mainline until you reach the booster pump station approximately 7km before the pipeline deviating onto the S299; however, at this stage no allowance was made for take-off points along the pipeline. During our meetings yesterday Mr Stephan Kleynhans (Design Engineers and Study Leader on the project) did not exclude the possibility and suggested that an application can be made for a farmer to have a dedicated take off point for usage of water. Please see the snippet below depicting the booster pump station where the pipeline transitions from a gravity to a pumping mainline.





3. You also enquired about the servitude width. A servitude of approximately 15m will be registered with a working width of approximately 50m from the fence line. The aim is to have the centre of the pipeline approximately 25m from the fence line into the farm property.

If you have any additional queries or comments, please do not hesitate to contact me. I am glad to assist you in any manner possible.

Kind regards

**Werner Griessel** BTech. Civil Engineering, ND Civil Engineering

CIVIL TECHNOLOGIST | ZUTARI

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**From:** [ian@hillsidefarm.co.za](mailto:ian@hillsidefarm.co.za) <[ian@hillsidefarm.co.za](mailto:ian@hillsidefarm.co.za)>

**Sent:** Monday, June 10, 2024 9:09 AM

**To:** Werner Griessel <[Werner.Griessel@zutari.com](mailto:Werner.Griessel@zutari.com)>

**Subject:** FW: XHARIEP WATER PIPELINE: NOTIFICATION OF INFORMATION-SHARING MEETINGS: DFFE Ref No: 14/12/16/3/3/1/2996

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Hi Werner

Thank you for taking my call.

My two questions:

1. What is the exact route of the pipeline? ( ultimately, I want to know if it runs through our farm like the N1 does – farm situated between Springfontein and Trompsburg on the N1
2. If so, will we be able to buy water from the pipeline if it does run though the farm?

I look forward to hearing from you.

Regards  
Ian

**Ian McLachlan**

Mobile: 082 895 8188

Email: [ian@hillsidefarm.co.za](mailto:ian@hillsidefarm.co.za)

**On behalf of Westwind Estates (Pty) Ltd / Hillside Farm**

---

**From:** Xhariep <[xhariep@zutari.com](mailto:xhariep@zutari.com)>

**Sent:** Tuesday, June 4, 2024 1:30 PM

**To:** Xhariep <[xhariep@zutari.com](mailto:xhariep@zutari.com)>; Genie De Waal <[Genie.deWaal@zutari.com](mailto:Genie.deWaal@zutari.com)>; Corlie Steyn <[Corlie.Steyn@zutari.com](mailto:Corlie.Steyn@zutari.com)>; Marianna Taljaard <[Marianna.Taljaard@zutari.com](mailto:Marianna.Taljaard@zutari.com)>; Wynand Loftus <[Wynand.Loftus@zutari.com](mailto:Wynand.Loftus@zutari.com)>

**Subject:** XHARIEP WATER PIPELINE: NOTIFICATION OF INFORMATION-SHARING MEETINGS: DFFE Ref No: 14/12/16/3/3/1/2996

**Importance:** High

Dear interested and/or affected party

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\* *Trompsburg: 12:30 to 15:00: Trompsburg Primary School (Kuier & Kleits Sentrum), 392 Wessels Street*

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6. Schemes/Options Evaluated
7. Details of Preferred Scheme/Option
8. Basic Assessment Process
9. Public Participation Process
10. Project Timeframes
11. Questions

Please feel free to forward this invite to your neighbours and adjacent landowners, and members of the various agricultural associations in the area.

We look forward to meeting you, to discuss the proposed project and to respond to any questions/concerns you may wish to pose to the project team.

Kind regards  
Genie

**Genie De Waal** *ND Business Computing*

SENIOR CONSULTANT: PUBLIC PARTICIPATION | ZUTARI

---

**E** [Genie.deWaal@zutari.com](mailto:Genie.deWaal@zutari.com) **W** [zutari.com](http://zutari.com)

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## Marianna Taljaard

---

**From:** BC Admin <bcadmin@dfpe.gov.za>  
**Sent:** Thursday, 06 June 2024 10:18  
**To:** Xhariep  
**Cc:** MMatlala Rabothata; Lindiwe Victoria Dlamini  
**Subject:** RE: XHARIEP WATER PIPELINE/ WATERPYPLYN: Notification/ Kennisgewing: Public Participation Process/Publieke Deelnameproses: DFFE Ref No/ Verw Nr: 14/12/16/3/3/1/2996

Dear Sir/Madam

DFFE Directorate: Biodiversity Conservation hereby acknowledge receipt of the invitation to review and comment on the project mentioned on the subject line. Kindly note that the project has been allocated to Mrs M Rabothata and Ms Lindiwe Dlamini (Copied on this email). In addition, kindly share the shapefiles of the development footprints/application site with the Case Officers.

Please note: All Public Participation Process documents related to Biodiversity EIA review and any other Biodiversity EIA queries must be submitted to the Directorate: Biodiversity Conservation at Email: [BCAdmin@dfpe.gov.za](mailto:BCAdmin@dfpe.gov.za) for attention of Mr Seoka Lekota



**Tebego Kgaphola**

**Directorate: Biodiversity Mainstreaming and EIA**  
Branch: Biodiversity and Conservation  
473 Steve Biko Road | Private Bag X477 | Pretoria | 001  
Cell: 0608408195 | Email: [tkgaphola1@dfpe.gov.za](mailto:tkgaphola1@dfpe.gov.za)  
Website: [www.environment.gov.za](http://www.environment.gov.za)



---

**From:** Xhariep <xhariep@zutari.com>  
**Sent:** Sunday, 02 June 2024 19:09  
**To:** Genie De Waal <Genie.deWaal@zutari.com>; Corlie Steyn <Corlie.Steyn@zutari.com>; Wynand Loftus <Wynand.Loftus@zutari.com>  
**Subject:** XHARIEP WATER PIPELINE/ WATERPYPLYN: Notification/ Kennisgewing: Public Participation Process/Publieke Deelnameproses: DFFE Ref No/ Verw Nr: 14/12/16/3/3/1/2996  
**Importance:** High

Dear identified Interested and/or Affected Party

Please be informed that Zutari (Pty) Ltd has been appointed by the Department of Water and Sanitation (DWS) to undertake the environmental authorisation application is required in terms of the National Environmental Management Act (Act No. 107 of 1998) (NEMA) via a Basic Assessment (BA) process, per the 2014 EIA Regulations, as amended, as well as a Water Use Licence application (WULA) in terms of the National Water Act (Act No. 36 of 1998) for the Xhariep pipeline as part of the Greater Mangaung Water Augmentation Project (see Background Information Document attached).



DWS is proposing to construct a potable water pipeline from the Gariep Dam wall, connecting to the existing bulk water distribution system for the Greater Bloemfontein Water Supply System (GBWSS). The proposed scheme will traverse the Xhariep District Municipality and the Kopanong Local Municipality, as well as the Mangaung Metropolitan Municipality. The project has three key (internal) stakeholders: (i) DWS Head Office (ii) Vaal Central Water Board, and (iii) Mangaung Metropolitan Municipality. The project falls into the ambit of Strategic Integrated Projects (SIPS) 18 and 19, namely Water and Sanitation Infrastructure. Zutari (Pty) Ltd are the independent environmental consultants who are undertaking the environmental authorisation and water use licence applications. The competent authority is the Department of Forestry, Fisheries and the Environment (DFFE). The proposed route is known as Scheme 1B and will be a potable water pipeline from Gariep Dam to Bloemfontein (mostly along the N1) and Botshabelo / Thaba Nchu, consisting of:

- ☐ Tie-in at existing pipeline downstream of Gariep Dam
- ☐ A low-lift pumpstation at or near the connection to the Gariep Dam
- ☐ A water treatment works (WTW) with a high-lift pumpstation
- ☐ A command reservoir
- ☐ A booster pumpstation
- ☐ A second command reservoir
- ☐ The entire pipeline route from the Gariep Dam to the connection points in Bloemfontein and near Rustfontein WTW (supplying Botshabelo / Thaba Nchu)

The listed activities in the regulations that are triggered by this proposed project are as follows:

| National Environmental Management Act - BA  | National Water Act - WULA  |
|---|--|
| Competent Authority – DFFE  | Competent Authority - DWS  |
| <ul style="list-style-type: none"> <li>• Listing Notice 1, Activity 9, 11, 12, 13, 14, 19 and 27 (Activities which require authorisation via a Basic Assessment)</li> <li>• Listing Notice 3, Activity 4, 10 and 12 (Activities that are geographically bound, and which require authorisation via a Basic Assessment)</li> </ul> | <ul style="list-style-type: none"> <li>• Section 21 (a): Abstraction of water from a water resource</li> <li>• Section 21 (b): Storage of water</li> <li>• Section 21 (c): Impeding and diverting the flow of a watercourse.</li> <li>• Section 21 (i): Altering the beds, banks, course, and characteristics of a watercourse.</li> <li>• Section 21 (g): Disposing of waste in a manner which may detrimentally impact on a water resource.</li> </ul> |

**The draft Basic Environmental Assessment Report is available for comment for a period of 30 days, from the 3rd of June 2024 to the 4th of July 2024, at the following locations:**

- ☐ Hard copies at: Gariepdam Library - 11 Patrys Street; Edenburg Library - 16 Church Street; Trompsburg Library – 78 Voortrekker Street; Lourierpark Library - Cnr Doringklaat & Nanabessie Streets, Lourier Park, Bloemfontein
- ☐ Electronic copy at:

<https://geoverse.zutari.com/portal/apps/experiencebuilder/experience/?id=2f48681c19a24836bcfc03da3c653c3a> or <https://www.dws.gov.za/projects.aspx>

**Comments on the water use licence application may be submitted for a period of 60 days, from 3rd of June 2024 to the 5th of August 2024.**

**If you wish to register as an Interested and Affected Party and/or submit comments or concerns, please do so in writing by either using the online registration and comment form at these links:**

<https://survey123.arcgis.com/share/592a24050e154524b919d662e9a37b3e?portalUrl=https://geoverse.zutari.com/portal>



or by sending an email to [xhariep@zutari.com](mailto:xhariep@zutari.com)

If necessary, you may also register telephonically during office hours with Marianna Taljaard at +27-44-805-5410.

Neem asseblief kennis dat Zutari (Edms) Bpk is deur die Departement Water en Sanitasie (DWS) aangestel om die omgewingsmagtigingsproses vir die Xhariep Pyplyn as deel van die Groter Mangaung Water Aanvullingskema, in terme van die Nasionale Wet op Omgewingsbestuur (WNOP, Wet Nr. 107 van 1998, soos gewysig), te onderneem, deur middel van 'n Basiese Invloedbepalingsproses (BIBP), ingevolge die 2014 Omgewingsinvloedbepalings (OIB) Regulasies, soos gewysig. 'n watergebruikslisensie aansoek (WA) in terme van die Nasionale Waterwet (Wet Nr. 36 van 1998) word ook gevolg (sien aangehegte Agtergrond Inligtingsdokument).

DWS beoog om 'n drinkwaterpyplyn wat deel vorm van 'n water aanvullingskema vanaf die Gariep Damwal, te bou. Die pyplyn sal 'n aansluitingspunt hê by die bestaande grootmaat watersverspreidingsstelsel vir die Groter Bloemfontein Watervoorsieningsstelsel (GBWSS). Die voorgestelde skema deurkruis die Xhariep Distrikmunisipaliteit en die Kopanong Plaaslike Munisipaliteit, sowel as die Mangaung Metropolitaanse Munisipaliteit. Die projek bestaan uit drie sleutel (interne) belanghebbendes: (i) DWS Hoofkantoor (ii) Vaal Sentrale Waterraad, en (iii) Mangaung Metropolitaanse Munisipaliteit. Die projek val in die bestek van die Strategiese Geïntegreerde Projekte (SIPS) 18 en 19, naamlik Water en Sanitasie Infrastruktuur. Zutari (Edms) Bpk is die onafhanklike omgewingskonsultante wat die omgewingsmagtigings- en watergebruikslisensie aansoeke onderneem. Die Departement van Bosbou, Visserye en die Omgewing (DBVO) is die bevoegde owerheid wat die aansoek sal oorweeg. Die voorgestelde roete staan bekend as Skema 1B en sal 'n drinkwaterpypleiding wees vanaf die Gariep Dam tot by Bloemfontein (meestal langs die N1) en Botshabelo/ Thaba Nchu. Dit sal bestaan uit die volgende infrastruktuur:

- ☐ Aansluiting by bestaande pyplyn, stroomaf van die Gariep Dam
- ☐ 'n Lae-lig pompstasie by, of naby, die aansluiting met die Gariep Dam
- ☐ 'n Watersuiweringswerke (WTW) met 'n hoë-lig pompstasie
- ☐ 'n Bulk reservoir
- ☐ 'n Aanjaerpompstasie
- ☐ 'n Tweede bulk reservoir
- ☐ Die pyplynroete vanaf die Gariep Dam tot by die aansluitingspunte in Bloemfontein asook naby Rustfontein WTW (verskaf water aan Botshabelo / Thaba Nchu)

Die gelyste aktiwiteite in die regulasies van toepassing tot die projek is as volg:

| Nasionale Omgewingswet - BIBP   | Nasionale Waterwet - WA   |
|---|---|
| <b>Bevoegde Owerheid: DBVO</b>  | <b>Bevoegde Owerheid: DWS</b>   |
| <ul style="list-style-type: none"> <li>• Lysingskennisgewing 1, Aktiwiteite 9, 11, 12, 13, 14, 19 en 27 (Aktiwiteite wat bemagtiging vereis deur middel van 'n Basiese Invloedbepalingsproses)</li> <li>• Lysingskennisgewing 3, Aktiwiteite 4, 10 en 12 (Aktiwiteite wat geografies gebonde is en wat bemagtiging vereis deur middel van 'n Basiese Invloedbepalingsproses)</li> </ul> | <ul style="list-style-type: none"> <li>• Gedeelte 21 (a): Onttrekking van water vanuit 'n waterbron</li> <li>• Gedeelte 21 (b): Waterberging</li> <li>• Gedeelte 21 (c): Belemmering en afleiding van die vloei van 'n rivier.</li> <li>• Gedeelte 21 (i): Die verandering van die beddings, banke, loop en eienskappe van 'n rivier.</li> <li>• Gedeelte 21 (g): Wegdoen van afval in so 'n manier wat 'n nadelige impak op 'n waterhulpbron kan hê</li> </ul> |

**Die Konsep Basiese Invloedbepalingsverslag (KIBV) is beskikbaar vir kommentaar vir 'n tydperk van 30 dae, vanaf 3 Junie 2024 tot 4 Julie 2024, by die onderstaande plekke:**

- ☐ Harde kopieë by: Gariepdam Biblioteek - Patrysstraat 11; Edenburg Biblioteek - Kerkstraat 16; Trompsburg Biblioteek – Voortrekkerstraat 78; Lourierpark Biblioteek – Hoek van Doringkiaal- & Nanabessiestrate, Lourierpark, Bloemfontein
- ☐ Elektroniese afskrif by:  
<https://geoverse.zutari.com/portal/apps/experiencebuilder/experience/?id=2f48681c19a24836bcfc03da3c653c3a> of  
<https://www.dws.gov.za/projects.aspx>

**Kommentaar kan op die watergebruikslisensie aansoek gelewer word vir 'n periode van 60 dae, vanaf 3 Junie 2024 tot 5 Augustus 2024.**

**Indien u as 'n Belanghebbende en Geaffekteerde Party (B&GP) wil registreer en/ of kommentaar wil lewer, word u uitgenooi om dit asseblief skriftelik te doen, óf deur die gebruik van die aanlynregistrasie en kommentaarvorm as u ondergenoemde aanlynskakels volg:**

<https://survey123.arcgis.com/share/592a24050e154524b919d662e9a37b3e?portalUrl=https://geoverse.zutari.com/portal>



of per epos na [xhariep@zutari.com](mailto:xhariep@zutari.com)

Indien nodig, kan u ook binne kantoorure telefonies by Marianna Taljaard registreer, op +27-44-8055410.

**Genie De Waal** *ND Business Computing*

SENIOR CONSULTANT: PUBLIC PARTICIPATION | ZUTARI

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E [Genie.deWaal@zutari.com](mailto:Genie.deWaal@zutari.com) W [zutari.com](http://zutari.com)



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## Marianna Taljaard

---

**From:** Corlie Steyn  
**Sent:** Monday, 10 June 2024 14:08  
**To:** bcadmin@dfpe.gov.za; Seoka Lekota  
**Cc:** MMatlala Rabothata; LVDlamini@dfpe.gov.za; Marianna Taljaard  
**Subject:** XHARIEP WATER PIPELINE/ WATERPYPLYN: Notification/ Kennisgewing: Public Participation Process/Publieke Deelnameproses: DFFE Ref No/ Verw Nr: 14/12/16/3/3/1/2996  
**Attachments:** 07June2024\_DFFE Request for shapefiles of infrastructure.zip  
**Importance:** High

For Attention: Mr Seoka Lekota

We refer to your email dated 6 June 2024.

Please see attached the shapefiles that you have requested.

Please let us know should you need any other information.

Kind regards

**Corlie Steyn** *EAPASA., MPhil, (Environmental Management)*

SENIOR CONSULTANT, ENVIRONMENT AND PLANNING | ZUTARI

---

E [Corlie.Steyn@zutari.com](mailto:Corlie.Steyn@zutari.com) W [zutari.com](http://zutari.com)



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## Marianna Taljaard

**From:** Corlie Steyn  
**Sent:** Wednesday, 26 June 2024 14:41  
**To:** bcdadmin@dfpe.gov.za; Seoka Lekota  
**Cc:** MMatlala Rabothata; LVDlamini@dfpe.gov.za; Marianna Taljaard  
**Subject:** RE: XHARIEP WATER PIPELINE/ WATERPYPLYN: Notification/ Kennisgewing: Public Participation Process/Publieke Deelnameproses: DFFE Ref No/ Verw Nr: 14/12/16/3/3/1/2996  
**Attachments:** Geotech & Survey Site Investigations v1)\_updated\_AH.kmz; Krapfontein Farms\_alternative.png  
**Importance:** High

Good day Mr Seako,

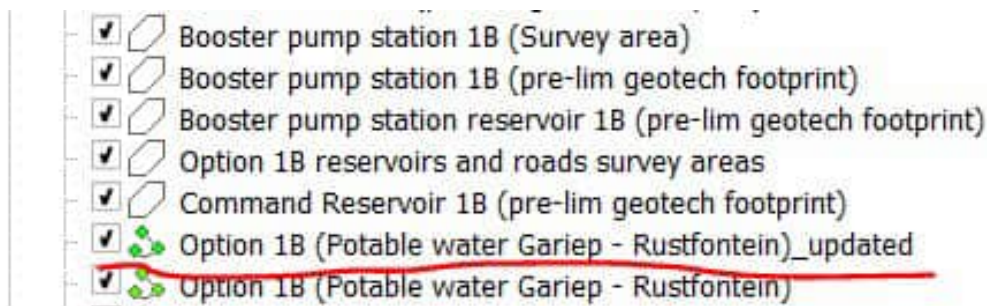
I hope you are doing well.

We are getting close to the end of our PP period on the Xhariep project.

Input from landowners and specialists lead to a slight change in the route:(i) to accommodate the landowner, and ii) for the pipeline route to follow existing infrastructure, which is generally preferable from a disruption and maintenance perspective. It will, however, be a bit more expensive due to the longer pipeline route, hence the original alignment.

Please see the new route attached (Krapfontein Farms\_alternative image)

Attached is also the new kmz. The new route alignment is underlined in red in the screenshot below, note that the old one is still part of the kmz file.



The pipe length only changed by just under 500m: Total pipeline length went from 244.4km to 244.9km.

The new details are:

| Component  | Capacity (m <sup>3</sup> /s) <sup>(1)</sup> | Capacity (MI/d) <sup>(1)</sup> | Estimated Footprint (m <sup>2</sup> ) |
|--|---|--------------------------------|---------------------------------------|
| Gariep Low Lift Pump Station                       | 3.8   | 328.1                          | 10,000                                |
| Gariep WTP   | -   | 312                            | 600,000                               |
| Gariep High Lift Pump Station                      | 3.62  | 312.4                          | (included in WTP above)               |
| Command Reservoir (3 sites)                        | -   | 80 MI                          | 112,500                               |
| Booster Pump Station                               | 3.62  | 312.4                          | 10,000                                |
| Gariep Pipeline<br>(188.99 km, 1800 Ø)             | 3.62  | 312.4                          | 7,559,600                             |
| Gravity Pipeline to Brandkop<br>(31.37 km, 2000 Ø) | 3.62  | 312.4                          | 1,254,800                             |

|  |      |       |                   |
|--|------|-------|-------------------|
| Gravity Pipeline to Rustfontein Pump Station<br>(24.52 km, 1400 Ø) | 2.43 | 209.8 | 980,800           |
| Substation (2 sites)   | -    | -     | 45,000            |
| <b>Total (m²)</b>  |      |       | <b>10,572,700</b> |
| Total (ha)   |      |       | 1,057             |
| <b>Total excl. pipeline (m²)</b>                                   |      |       | <b>777,500</b>    |
| Total excl. pipeline (ha)  |      |       | 78                |

Please do not hesitate should you have questions.

We are aiming to send the amended shapefile soonest.

Kind regards

**Corlie Steyn** *EAPASA., MPhil, (Environmental Management)*

SENIOR CONSULTANT, ENVIRONMENT AND PLANNING | ZUTARI

E [Corlie.Steyn@zutari.com](mailto:Corlie.Steyn@zutari.com) W [zutari.com](http://zutari.com)

DISCLAIMER

**From:** Corlie Steyn

**Sent:** Monday, June 10, 2024 2:08 PM

**To:** bcadmin@dfpe.gov.za; Seoka Lekota <SLEKOTA@dfpe.gov.za>

**Cc:** MMatlala Rabothata <MRABOTHATA@dfpe.gov.za>; LVDlamini@dfpe.gov.za; Marianna Taljaard <Marianna.Taljaard@zutari.com>

**Subject:** XHARIEP WATER PIPELINE/ WATERPYPLYN: Notification/ Kennisgewing: Public Participation Process/Publieke Deelnameproses: DFPE Ref No/ Verw Nr: 14/12/16/3/3/1/2996

**Importance:** High

For Attention: Mr Seoka Lekota

We refer to your email dated 6 June 2024.

Please see attached the shapefiles that you have requested.

Please let us know should you need any other information.

Kind regards

**Corlie Steyn** *EAPASA., MPhil, (Environmental Management)*

SENIOR CONSULTANT, ENVIRONMENT AND PLANNING | ZUTARI

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## Marianna Taljaard

---

**From:** Corlie Steyn  
**Sent:** Wednesday, 26 June 2024 15:22  
**To:** bcadmin@dfpe.gov.za; Seoka Lekota  
**Cc:** MMatlala Rabothata; LVDlamini@dfpe.gov.za; Marianna Taljaard  
**Subject:** RE: XHARIEP WATER PIPELINE/ WATERPYPLYN: Notification/ Kennisgewing: Public Participation Process/Publieke Deelnameproses: DFFE Ref No/ Verw Nr: 14/12/16/3/3/1/2996  
**Attachments:** Updated Pipeline Route 20240626.zip  
**Importance:** High

Good day Mr Seoka,

In reference to my email below please see the updated shapefile attached.  
Please do not hesitate should you have questions.

Kind regards

**Corlie Steyn** *EAPASA., MPhil, (Environmental Management)*

SENIOR CONSULTANT, ENVIRONMENT AND PLANNING | ZUTARI

---

E [Corlie.Steyn@zutari.com](mailto:Corlie.Steyn@zutari.com) W [zutari.com](http://zutari.com)

DISCLAIMER

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**From:** Corlie Steyn  
**Sent:** Wednesday, June 26, 2024 2:41 PM  
**To:** bcadmin@dfpe.gov.za; Seoka Lekota <SLEKOTA@dfpe.gov.za>  
**Cc:** MMatlala Rabothata <MRABOTHATA@dfpe.gov.za>; LVDlamini@dfpe.gov.za; Marianna Taljaard <Marianna.Taljaard@zutari.com>  
**Subject:** RE: XHARIEP WATER PIPELINE/ WATERPYPLYN: Notification/ Kennisgewing: Public Participation Process/Publieke Deelnameproses: DFFE Ref No/ Verw Nr: 14/12/16/3/3/1/2996  
**Importance:** High

Good day Mr Seako,








I hope you are doing well.

We are getting close to the end of our PP period on the Xhariep project.

Input from landowners and specialists lead to a slight change in the route:(i) to accommodate the landowner, and ii) for the pipeline route to follow existing infrastructure, which is generally preferable from a disruption and maintenance perspective. It will, however, be a bit more expensive due to the longer pipeline route, hence the original alignment.

Please see the new route attached (Krapfontein Farms\_alternative image)

Attached is also the new kmz. The new route alignment is underlined in red in the screenshot below, note that the old one is still part of the kmz file.

- ☒  Booster pump station 1B (Survey area)
- ☒  Booster pump station 1B (pre-lim geotech footprint)
- ☒  Booster pump station reservoir 1B (pre-lim geotech footprint)
- ☒  Option 1B reservoirs and roads survey areas
- ☒  Command Reservoir 1B (pre-lim geotech footprint)
- ☒  Option 1B (Potable water Gariep - Rustfontein)\_updated
- ☒  Option 1B (Potable water Gariep - Rustfontein)

The pipe length only changed by just under 500m: Total pipeline length went from 244.4km to 244.9km.

The new details are:

| Component   | Capacity (m³/s) <sup>(1)</sup> | Capacity (MI/d) <sup>(1)</sup> | Estimated Footprint (m²) |
|---|--------------------------------|--------------------------------|--------------------------|
| Gariep Low Lift Pump Station  | 3.8                            | 328.1                          | 10,000                   |
| Gariep WTP  | -                              | 312                            | 600,000                  |
| Gariep High Lift Pump Station   | 3.62                           | 312.4                          | (included in WTP above)  |
| Command Reservoir (3 sites)   | -                              | 80 MI                          | 112,500                  |
| Booster Pump Station  | 3.62                           | 312.4                          | 10,000                   |
| Gariep Pipeline<br>(188.99 km, 1800 Ø)                                | 3.62                           | 312.4                          | 7,559,600                |
| Gravity Pipeline to Brandkop<br>(31.37 km, 2000 Ø)                    | 3.62                           | 312.4                          | 1,254,800                |
| Gravity Pipeline to Rustfontein Pump<br>Station<br>(24.52 km, 1400 Ø) | 2.43                           | 209.8                          | 980,800                  |
| Substation (2 sites)  | -                              | -                              | 45,000                   |
| <b>Total (m²)</b>   |                                |                                | <b>10,572,700</b>        |
| Total (ha)  |                                |                                | 1,057                    |
| <b>Total excl. pipeline (m²)</b>                                      |                                |                                | <b>777,500</b>           |
| Total excl. pipeline (ha)   |                                |                                | 78                       |

Please do not hesitate should you have questions.

We are aiming to send the amended shapefile soonest.

Kind regards

**Corlie Steyn** EAPASA., MPhil, (Environmental Management)

SENIOR CONSULTANT, ENVIRONMENT AND PLANNING | ZUTARI

E [Corlie.Steyn@zutari.com](mailto:Corlie.Steyn@zutari.com) W [zutari.com](http://zutari.com)

DISCLAIMER

**From:** Corlie Steyn

**Sent:** Monday, June 10, 2024 2:08 PM

**To:** [bcadmin@dfpe.gov.za](mailto:bcadmin@dfpe.gov.za); Seoka Lekota <[SLEKOTA@dfpe.gov.za](mailto:SLEKOTA@dfpe.gov.za)>

**Cc:** MMatlala Rabothata <[MRABOTHATA@dfpe.gov.za](mailto:MRABOTHATA@dfpe.gov.za)>; [LVDlamini@dfpe.gov.za](mailto:LVDlamini@dfpe.gov.za); Marianna Taljaard <[Marianna.Taljaard@zutari.com](mailto:Marianna.Taljaard@zutari.com)>

**Subject:** XHARIEP WATER PIPELINE/ WATERPYPLYN: Notification/ Kennisgewing: Public Participation Process/Publieke Deelnameproses: DFFE Ref No/ Verw Nr: 14/12/16/3/3/1/2996

**Importance:** High



For Attention: Mr Seoka Lekota

We refer to your email dated 6 June 2024.

Please see attached the shapefiles that you have requested.

Please let us know should you need any other information.

Kind regards

**Corlie Steyn** *EAPASA., MPhil, (Environmental Management)*

SENIOR CONSULTANT, ENVIRONMENT AND PLANNING | ZUTARI

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## Marianna Taljaard

---

**From:** SAHRA General <info@sahra.org.za>  
**Sent:** Thursday, 06 June 2024 11:18  
**To:** Stephen Van den Heever  
**Cc:** Xhariep; Boitumelo Makgoka  
**Subject:** FW: XHARIEP WATER PIPELINE/ WATERPYPLYN: Notification/ Kennisgewing: Public Participation Process/Publieke Deelnameproses: DFFE Ref No/ Verw Nr: 14/12/16/3/3/1/2996  
**Attachments:** Background Information Document\_Xariep\_Final.pdf  
**Importance:** High

Hi Steve

Please receive the email and attachment for your consideration.

Kind regards,

---

**From:** Xhariep <xhariep@zutari.com>  
**Sent:** Sunday, June 2, 2024 7:44 PM  
**To:** Corlie Steyn <Corlie.Steyn@zutari.com>; Wynand Loftus <Wynand.Loftus@zutari.com>; Genie De Waal <Genie.deWaal@zutari.com>  
**Subject:** XHARIEP WATER PIPELINE/ WATERPYPLYN: Notification/ Kennisgewing: Public Participation Process/Publieke Deelnameproses: DFFE Ref No/ Verw Nr: 14/12/16/3/3/1/2996  
**Importance:** High

Dear identified Interested and/or Affected Party

Please be informed that Zutari (Pty) Ltd has been appointed by the Department of Water and Sanitation (DWS) to undertake the environmental authorisation application is required in terms of the National Environmental Management Act (Act No. 107 of 1998) (NEMA) via a Basic Assessment (BA) process, per the 2014 EIA Regulations, as amended, as well as a Water Use Licence application (WULA) in terms of the National Water Act (Act No. 36 of 1998) for the Xhariep pipeline as part of the Greater Mangaung Water Augmentation Project (see Background Information Document attached).

DWS is proposing to construct a potable water pipeline from the Gariep Dam wall, connecting to the existing bulk water distribution system for the Greater Bloemfontein Water Supply System (GBWSS). The proposed scheme will traverse the Xhariep District Municipality and the Kopanong Local Municipality, as well as the Mangaung Metropolitan Municipality. The project has three key (internal) stakeholders: (i) DWS Head Office (ii) Vaal Central Water Board, and (iii) Mangaung Metropolitan Municipality. The project falls into the ambit of Strategic Integrated Projects (SIPS) 18 and 19, namely Water and Sanitation Infrastructure. Zutari (Pty) Ltd are the independent environmental consultants who are undertaking the environmental authorisation and water use licence applications. The competent authority is the Department of Forestry, Fisheries and the Environment (DFFE). The proposed route is known as Scheme 1B and will be a potable water pipeline from Gariep Dam to Bloemfontein (mostly along the N1) and Botshabelo / Thaba Nchu, consisting of:

- ☐ Tie-in at existing pipeline downstream of Gariep Dam
- ☐ A low-lift pumpstation at or near the connection to the Gariep Dam
- ☐ A water treatment works (WTW) with a high-lift pumpstation
- ☐ A command reservoir
- ☐ A booster pumpstation
- ☐ A second command reservoir
- ☐ The entire pipeline route from the Gariep Dam to the connection points in Bloemfontein and near Rustfontein WTW (supplying Botshabelo / Thaba Nchu)

The listed activities in the regulations that are triggered by this proposed project are as follows:

| <b>National Environmental Management Act - BA</b>  | <b>National Water Act</b>   |
|--|---|
| <b>Competent Authority – DFFE</b>  | <b>Competent Authority</b>  |
| <ul style="list-style-type: none"> <li>• Listing Notice 1, Activity 9, 11, 12, 13, 14, 19 and 27 (Activities which require authorisation via a Basic Assessment)</li> <li>• Listing Notice 3, Activity 4, 10 and 12 (Activities that are geographically bound and which require authorisation via a</li> </ul> | <ul style="list-style-type: none"> <li>• Section 21 (a): A</li> <li>• Section 21 (b): S</li> <li>• Section 21 (c): watercourse.</li> <li>• Section 21 (iv)</li> </ul> |

The draft Basic Environmental Assessment Report is available for comment for a period of 30 days, from the 3rd of June 2024 to the 4th of July 2024, at the following locations:

- Hard copies at: Gariepdam Library - 11 Patrys Street; Edenburg Library - 16 Church Street; Trompsburg Library – 78 Voortrekker Street; Lourierpark Library - Cnr Doringklaat & Nanabessie Streets, Lourier Park, Bloemfontein
- Electronic copy at:

<https://geoverse.zutari.com/portal/apps/experiencebuilder/experience/?id=2f48681c19a24836bcfc03da3c653c3a> or <https://www.dws.gov.za/projects.aspx>

Comments on the water use licence application may be submitted for a period of 60 days, from 3rd of June 2024 to the 5th of August 2024.

If you wish to register as an Interested and Affected Party and/or submit comments or concerns, please do so in writing by either using the online registration and comment form at these links:

<https://survey123.arcgis.com/share/592a24050e154524b919d662e9a37b3e?portalUrl=https://geoverse.zutari.com/portal>



or by sending an email to [xhariep@zutari.com](mailto:xhariep@zutari.com)

If necessary, you may also register telephonically during office hours with Marianna Taljaard at +27-44-805-5410.

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Geagte geïdentifiseerde Belanhebbende en/of Geïnterreseerde Party

Neem asseblief kennis dat Zutari (Edms) Bpk is deur die Departement Water en Sanitasie (DWS) aangestel om die omgewingsmagtigingsproses vir die Xhariep Pyplyn as deel van die Groter Mangaung Water Aanvullingskema, in terme van die Nasionale Wet op Omgewingsbestuur (WNOP, Wet Nr. 107 van 1998, soos gewysig), te onderneem, deur middel van 'n Basiese Invloedbepalingsproses (BIBP), ingevolge die 2014 Omgewingsinvloedbepalings (OIB) Regulasies, soos gewysig. 'n watergebruikslisensie aansoek (WA) in terme van die Nasionale Waterwet (Wet Nr. 36 van 1998) word ook gevolg (sien aangehegte Agtergrond Inligtingsdokument).

DWS beoog om 'n drinkwaterpyplyn wat deel vorm van 'n water aanvullingskema vanaf die Gariep Damwal, te bou. Die pyplyn sal 'n aansluitingspunt hê by die bestaande grootmaat watersverspreidingsstelsel vir die Groter Bloemfontein Watervoorsieningsstelsel (GBWSS). Die voorgestelde skema deurkruis die Xhariep Distrikmunisipaliteit en die Kopanong Plaaslike Munisipaliteit, sowel as die Mangaung Metropolitaanse Munisipaliteit. Die projek bestaan uit drie sleutel (interne) belanghebbendes: (i) DWS Hoofkantoor (ii) Vaal Sentrale Waterraad, en (iii) Mangaung Metropolitaanse Munisipaliteit. Die projek val in die bestek van die Strategiese Geïntegreerde Projekte (SIPS) 18 en 19, naamlik Water en Sanitasie Infrastruktuur. Zutari (Edms) Bpk is die onafhanklike omgewingskonsultante wat die omgewingsmagtigings- en watergebruikslisensie aansoeke onderneem. Die Departement van Bosbou, Visserye en die Omgewing (DBVO) is die bevoegde owerheid wat die aansoek sal oorweeg. Die voorgestelde roete staan bekend as Skema 1B en sal 'n drinkwaterpypleiding wees vanaf die Gariep Dam tot by Bloemfontein (meestal langs die N1) en Botshabelo/ Thaba Nchu. Dit sal bestaan uit die volgende infrastruktuur:

- Aansluiting by bestaande pyplyn, stroomaf van die Gariep Dam
- 'n Lae-lig pompstasie by, of naby, die aansluiting met die Gariep Dam
- 'n Watersuiweringswerke (WTW) met 'n hoë-lig pompstasie
- 'n Bulk reservoier

- ☐ 'n Aanjaerpompstasie
- ☐ 'n Tweede bulk reservoir
- ☐ Die pyplynroete vanaf die Gariep Dam tot by die aansluitingspunte in Bloemfontein asook naby Rustfontein WTW (verskaf water aan Botshabelo / Thaba Nchu)

Die gelyste aktiwiteite in die regulasies van toepassing tot die projek is as volg:

| Nasionale Omgewingswet - BIBP   | Nasionale Waterwet   |
|---|--|
| Bevoegde Owerheid: DBVO   | Bevoegde Owerheid  |
| <ul style="list-style-type: none"> <li>Lysingkennisgewing 1, Aktiwiteite 9, 11, 12, 13, 14, 19 en 27 (Aktiwiteite wat bemagtiging vereis deur middel van 'n Basiese Invloedbepalingsproses)</li> <li>Lysingkennisgewing 3, Aktiwiteite 4, 10 en 12 (Aktiwiteite wat geografies gebonde is en wat bemagtiging vereis deur</li> </ul> | <ul style="list-style-type: none"> <li>Gedeelte 21 (a):</li> <li>Gedeelte 21 (b):</li> <li>Gedeelte 21 (c):</li> <li>'n rivier.</li> <li>Gedeelte 21 (i):</li> </ul> |

Die Konsep Basiese Invloedbepalingsverslag (KIBV) is beskikbaar vir kommentaar vir 'n tydperk van 30 dae, vanaf 3 Junie 2024 tot 4 Julie 2024, by die onderstaande plekke:

- ☐ Harde kopieë by: Gariepdam Biblioteek - Patrysstraat 11; Edenburg Biblioteek - Kerkstraat 16; Trompsburg Biblioteek – Voortrekkerstraat 78; Louierpark Biblioteek – Hoek van Doringklaat- & Nanabessiestraat, Louierpark, Bloemfontein

- ☐ Elektroniese afskrif by:

<https://geoverse.zutari.com/portal/apps/experiencebuilder/experience/?id=2f48681c19a24836bcfc03da3c653c3a> of <https://www.dws.gov.za/projects.aspx>

Kommentaar kan op die watergebruikslisensie aansoek gelewer word vir 'n periode van 60 dae, vanaf 3 Junie 2024 tot 5 Augustus 2024.

Indien u as 'n Belanghebbende en Geaffekteerde Party (B&GP) wil registreer en/ of kommentaar wil lewer, word u uitgenooi om dit asseblief skriftelik te doen, óf deur die gebruik van die aanlynregistrasie en kommentaarvorm as u ondergenoemde aanlynskakels volg:

<https://survey123.arcgis.com/share/592a24050e154524b919d662e9a37b3e?portalUrl=https://geoverse.zutari.com/portal>



of per epos na [xhariep@zutari.com](mailto:xhariep@zutari.com)

Indien nodig, kan u ook binne kantoorure telefonies by Marianna Taljaard registreer, op +27-44-8055410.

**Genie De Waal** *ND Business Computing*

SENIOR CONSULTANT: PUBLIC PARTICIPATION | ZUTARI

E [Genie.deWaal@zutari.com](mailto:Genie.deWaal@zutari.com) W [zutari.com](http://zutari.com)





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[www.sahra.org.za](http://www.sahra.org.za)

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## Marianna Taljaard

**From:** Albie Louw <LouwA1@ufs.ac.za>  
**Sent:** Friday, 07 June 2024 09:26  
**To:** Xhariep  
**Cc:** Petrus Oberholster; Johan Barnard; Alphonso Van Der Merwe  
**Subject:** FW: XHARIEP WATER PIPELINE/ WATERPYPLYN: Notification/ Kennisgewing: Public Participation Process/Publieke Deelnameproses: DFFE Ref No/ Verw Nr: 14/12/16/3/3/1/2996

Some people who received this message don't often get email from louwa1@ufs.ac.za. [Learn why this is important](#)

Good day Zutari

1. Map 2 of your draft Basic Environmental Assessment Report and the content of the report have reference.
2. Map 2 provides an overview of the proposed route, and we cannot find any specific reference to affected properties in the report.
3. Can you please provide us with a more detailed map indicating the property descriptions of the affected properties, so that the UFS can determine the exact route and possible impact on our properties?
4. For easy reference, the UFS is the registered owner of the following properties that may be affected.

|  |
|--|
| Farm Paradise Lost 'A" 2095, district Bloemfontein     |
| Farm Paradise Lost 1511, district Bloemfontein         |
| Re/Ptn 7 farm Paradys 2832, district Bloemfontein      |
| Re/Ptn 1 farm Paradys 2832, district Bloemfontein      |
| Remainder of farm Kolbe 1538, district Bloemfontein    |
| Remainder of farm Kolbe A 1954, district Bloemfontein  |
| Remainder of farm Fairview 1169, district Bloemfontein |

5. Kindly note that ALL correspondence / communication pertaining to your EIA, must be directed to my office and Mr. Oberholster must be copied in.

Regards



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VRYSTAAT  
YUNIBESITHI YA  
FREISTATA

**Albie Louw** Pr. Pln A1117/1999

Assistant Director: Property Management - University Estates  
PO Box 339, Bloemfontein, 9300, Republic of South Africa

051 4019207

[LouwA1@ufs.ac.za](mailto:LouwA1@ufs.ac.za)



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Transforming lives.

Inspireer uitnemendheid.  
Verander lewens.

**From:** Albie Louw  
**Sent:** Monday, June 3, 2024 9:48 AM  
**To:** Johan Barnard <BarnardJ@ufs.ac.za>  
**Cc:** Johan Van Niekerk <vNiekerkJA@ufs.ac.za>

**Subject:** RE: XHARIEP WATER PIPELINE/ WATERPYPLYN: Notification/ Kennisgewing: Public Participation Process/Publieke Deelnameproses: DFFE Ref No/ Verw Nr: 14/12/16/3/3/1/2996

Received, thank you Johan.



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VRYSTAAT  
YUNIBESITHU YA  
FREISTATA

**Albie Louw** Pr. Pln A1117/1999

Assistant Director: Property Management - University Estates

PO Box 339, Bloemfontein, 9300, Republic of South Africa

051 4019207

[LouwA1@ufs.ac.za](mailto:LouwA1@ufs.ac.za)



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Verander lewens.*

WORK ORDER ENQUIRIES/REPORTING OF EMERGENCY REPAIRS  
CONTACT THE UNIVERSITY ESTATES HELP DESK AT X9222  
<https://www.ufs.ac.za/estates/estates/landing-page-info/help-desk>

---

**From:** Johan Barnard <[BarnardJ@ufs.ac.za](mailto:BarnardJ@ufs.ac.za)>

**Sent:** Sunday, June 2, 2024 7:24 PM

**To:** Albie Louw <[LouwA1@ufs.ac.za](mailto:LouwA1@ufs.ac.za)>

**Cc:** Johan Van Niekerk <[vNiekerkJA@ufs.ac.za](mailto:vNiekerkJA@ufs.ac.za)>

**Subject:** Fwd: XHARIEP WATER PIPELINE/ WATERPYPLYN: Notification/ Kennisgewing: Public Participation Process/Publieke Deelnameproses: DFFE Ref No/ Verw Nr: 14/12/16/3/3/1/2996

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**From:** Xhariep <[xhariep@zutari.com](mailto:xhariep@zutari.com)>

**Sent:** Sunday, June 2, 2024 7:09:20 PM

**To:** Genie De Waal <[Genie.deWaal@zutari.com](mailto:Genie.deWaal@zutari.com)>; Corlie Steyn <[Corlie.Steyn@zutari.com](mailto:Corlie.Steyn@zutari.com)>; Wynand Loftus <[Wynand.Loftus@zutari.com](mailto:Wynand.Loftus@zutari.com)>

**Subject:** XHARIEP WATER PIPELINE/ WATERPYPLYN: Notification/ Kennisgewing: Public Participation Process/Publieke Deelnameproses: DFFE Ref No/ Verw Nr: 14/12/16/3/3/1/2996

Dear identified Interested and/or Affected Party

Please be informed that Zutari (Pty) Ltd has been appointed by the Department of Water and Sanitation (DWS) to undertake the environmental authorisation application is required in terms of the National Environmental Management Act (Act No. 107 of 1998) (NEMA) via a Basic Assessment (BA) process, per the 2014 EIA Regulations, as amended, as well as a Water Use Licence application (WULA) in terms of the National Water Act (Act No. 36 of 1998) for the Xhariep pipeline as part of the Greater Mangaung Water Augmentation Project (see Background Information Document attached).

DWS is proposing to construct a potable water pipeline from the Gariep Dam wall, connecting to the existing bulk water distribution system for the Greater Bloemfontein Water Supply System (GBWSS). The proposed scheme will traverse the Xhariep District Municipality and the Kopanong Local Municipality, as well as the Mangaung Metropolitan Municipality. The project has three key (internal) stakeholders: (i) DWS Head Office (ii) Vaal Central Water Board, and (iii) Mangaung Metropolitan Municipality. The project falls into the ambit of Strategic Integrated Projects (SIPS) 18 and 19, namely Water and Sanitation Infrastructure. Zutari (Pty) Ltd are the independent environmental consultants who are undertaking the environmental authorisation and water use licence applications. The competent authority is the Department of Forestry, Fisheries and the Environment (DFFE). The proposed route is known as Scheme 1B and will be a potable water pipeline from Gariep Dam to Bloemfontein (mostly along the N1) and Botshabelo / Thaba Nchu, consisting of:

- Tie-in at existing pipeline downstream of Gariep Dam
- A low-lift pumpstation at or near the connection to the Gariep Dam
- A water treatment works (WTW) with a high-lift pumpstation

- A command reservoir
- A booster pumpstation
- A second command reservoir
- The entire pipeline route from the Gariep Dam to the connection points in Bloemfontein and near Rustfontein WTW (supplying Botshabelo / Thaba Nchu)

The listed activities in the regulations that are triggered by this proposed project are as follows:

| <b>National Environmental Management Act - BA</b>  | <b>National Water Act</b>   |
|--|---|
| <b>Competent Authority – DFFE</b>  | <b>Competent Authority</b>  |
| <ul style="list-style-type: none"> <li>• Listing Notice 1, Activity 9, 11, 12, 13, 14, 19 and 27 (Activities which require authorisation via a Basic Assessment)</li> <li>• Listing Notice 3, Activity 4, 10 and 12 (Activities that are geographically bound and which require authorisation via a</li> </ul> | <ul style="list-style-type: none"> <li>• Section 21 (a): A</li> <li>• Section 21 (b): S</li> <li>• Section 21 (c): watercourse.</li> <li>• Section 21 (i):</li> </ul> |

**The draft Basic Environmental Assessment Report is available for comment for a period of 30 days, from the 3rd of June 2024 to the 4th of July 2024, at the following locations:**

- Hard copies at: Gariepdam Library - 11 Patrys Street; Edenburg Library - 16 Church Street; Trompsburg Library – 78 Voortrekker Street; Lourierpark Library - Cnr Doringklaat & Nanabessie Streets, Lourier Park, Bloemfontein
- Electronic copy at:  
<https://geoverse.zutari.com/portal/apps/experiencebuilder/experience/?id=2f48681c19a24836bcfc03da3c653c3a> or  
<https://www.dws.gov.za/projects.aspx>

**Comments on the water use licence application may be submitted for a period of 60 days, from 3rd of June 2024 to the 5th of August 2024.**

**If you wish to register as an Interested and Affected Party and/or submit comments or concerns, please do so in writing by either using the online registration and comment form at these links:**

<https://survey123.arcgis.com/share/592a24050e154524b919d662e9a37b3e?portalUrl=https://geoverse.zutari.com/portal>



or by sending an email to [xhariep@zutari.com](mailto:xhariep@zutari.com)

If necessary, you may also register telephonically during office hours with Marianna Taljaard at +27-44-805-5410.

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Geagte geïdentifiseerde Belanhebbende en/of Geïnterreseerde Party

Neem asseblief kennis dat Zutari (Edms) Bpk is deur die Departement Water en Sanitasie (DWS) aangestel om die omgewingsmagtigingsproses vir die Xhariep Pyplyn as deel van die Groter Mangaung Water Aanvullingskema, in terme van die Nasionale Wet op Omgewingsbestuur (WNOP, Wet Nr. 107 van 1998, soos gewysig), te onderneem, deur middel van 'n Basiese Invloedbepalingsproses (BIBP), ingevolge die 2014 Omgewingsinvloedbepalings (OIB) Regulasies, soos gewysig. 'n watergebruikslisensie aansoek (WA) in terme van die Nasionale Waterwet (Wet Nr. 36 van 1998) word ook gevolg (sien aangehegte Agtergrond Inligtingsdokument).

DWS beoog om 'n drinkwaterpyplyn wat deel vorm van 'n water aanvullingskema vanaf die Gariep Damwal, te bou. Die pyplyn sal 'n aansluitingspunt hê by die bestaande grootmaat waterspreidingsstelsel vir die Groter Bloemfontein Watervoorsieningsstelsel (GBWSS). Die voorgestelde skema deurkruis die Xhariep Distrikmunisipaliteit en die Kopanong Plaaslike Munisipaliteit, sowel as die Mangaung Metropolitaanse Munisipaliteit. Die projek bestaan uit drie sleutel (interne) belanghebbendes: (i) DWS Hoofkantoor (ii) Vaal Sentrale Waterraad, en (iii) Mangaung Metropolitaanse Munisipaliteit. Die projek val in die bestek van die Strategiese Geïntegreerde Projekte (SIPS) 18 en



19, naamlik Water en Sanitasie Infrastruktuur. Zutari (Edms) Bpk is die onafhanklike omgewingskonsultante wat die omgewingsmagtigings- en watergebruikslisensie aansoeke onderneem. Die Departement van Bosbou, Visserie en die Omgewing (DBVO) is die bevoegde owerheid wat die aansoek sal oorweeg. Die voorgestelde roete staan bekend as Skema 1B en sal 'n drinkwaterpypleiding wees vanaf die Gariep Dam tot by Bloemfontein (meestal langs die N1) en Botshabelo/ Thaba Nchu. Dit sal bestaan uit die volgende infrastruktuur:

- Aansluiting by bestaande pyplyn, stroomaf van die Gariep Dam
- 'n Lae-lig pompstasie by, of naby, die aansluiting met die Gariep Dam
- 'n Watersuiweringswerke (WTW) met 'n hoë-lig pompstasie
- 'n Bulk reservoir
- 'n Aanjaerpompstasie
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- Die pyplynroete vanaf die Gariep Dam tot by die aansluitingspunte in Bloemfontein asook naby Rustfontein WTW (verskaf water aan Botshabelo / Thaba Nchu)

Die gelyste aktiwiteite in die regulasies van toepassing tot die projek is as volg:

| Nasionale Omgewingswet - BIBP   | Nasionale Waterwet   |
|---|--|
| Bevoegde Owerheid: DBVO   | Bevoegde Owerheid:   |
| <ul style="list-style-type: none"> <li>• Lysingkennisgewing 1, Aktiwiteite 9, 11, 12, 13, 14, 19 en 27 (Aktiwiteite wat bemagtiging vereis deur middel van 'n Basiese Invloedbepalingsproses)</li> <li>• Lysingkennisgewing 3, Aktiwiteite 4, 10 en 12 (Aktiwiteite wat geografies gebonde is en wat bemagtiging vereis deur</li> </ul> | <ul style="list-style-type: none"> <li>• Gedeelte 21 (a):</li> <li>• Gedeelte 21 (b):</li> <li>• Gedeelte 21 (c):</li> <li>• 'n rivier.</li> <li>• Gedeelte 21 (i):</li> </ul> |

Die Konsep Basiese Invloedbepalingsverslag (KIBV) is beskikbaar vir kommentaar vir 'n tydperk van 30 dae, vanaf 3 Junie 2024 tot 4 Julie 2024, by die onderstaande plekke:

- Harde kopieë by: Gariepdam Biblioteek - Patrysstraat 11; Edenburg Biblioteek - Kerkstraat 16; Trompsburg Biblioteek – Voortrekkerstraat 78; Lourierpark Biblioteek – Hoek van Doringklaat- & Nanabessiestraat, Lourierpark, Bloemfontein
- Elektroniese afskrif by:  
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Kommentaar kan op die watergebruikslisensie aansoek gelewer word vir 'n periode van 60 dae, vanaf 3 Junie 2024 tot 5 Augustus 2024.

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<https://survey123.arcgis.com/share/592a24050e154524b919d662e9a37b3e?portalUrl=https://geoverse.zutari.com/portal>



of per epos na [xhariep@zutari.com](mailto:xhariep@zutari.com)

Indien nodig, kan u ook binne kantoorure telefonies by Marianna Taljaard registreer, op +27-44-8055410.

**Genie De Waal** ND Business Computing

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## Marianna Taljaard

---

**From:** Corlie Steyn  
**Sent:** Monday, 10 June 2024 14:38  
**To:** LouwA1@ufs.ac.za  
**Cc:** OberholsterPF@ufs.ac.za; BarnardJ@ufs.ac.za; Alphonso Van Der Merwe; Werner Barnard; Werner Griessel; Stephan Kleynhans; Marianna Taljaard; Wynand Loftus  
**Subject:** RE: XHARIEP WATER PIPELINE/ WATERPYPLYN: Notification/ Kennisgewing: Public Participation Process/Publieke Deelnameproses: DFFE Ref No/ Verw Nr: 14/12/16/3/3/1/2996  
**Attachments:** Ann F.1\_SG Codes\_20240124.pdf; frmPtn\_affected.kmz; frmPtn\_affected.xls

Dear Albie,

Your email dated 4 June has reference:

Please see attached the requested information. Ann F.1 of the Draft BAR comprises of the SG codes and farms portions which will be affected(attached) The attached excel sheet and kmz also indicate all affected properties. Due to the Popi Act we are restricted to share contact details.

My colleagues are all *en route* to be able to attend to the engagement meetings tomorrow

You are most welcome to attend the engagement meeting in Bloemfontein tomorrow.

Kind regards

**Corlie Steyn** *EAPASA.,MPhil, (Environmental Management)*

SENIOR CONSULTANT, ENVIRONMENT AND PLANNING | ZUTARI

---

E [Corlie.Steyn@zutari.com](mailto:Corlie.Steyn@zutari.com) W [zutari.com](http://zutari.com)



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## Marianna Taljaard

---

**From:** Albie Louw <LouwA1@ufs.ac.za>  
**Sent:** Monday, 10 June 2024 16:23  
**To:** Corlie Steyn  
**Cc:** Petrus Oberholster; Johan Barnard; Alphonso Van Der Merwe; Werner Barnard; Werner Griessel; Stephan Kleynhans; Marianna Taljaard; Wynand Loftus  
**Subject:** RE: XHARIEP WATER PIPELINE/ WATERPYPLYN: Notification/ Kennisgewing: Public Participation Process/Publieke Deelnameproses: DFFE Ref No/ Verw Nr: 14/12/16/3/3/1/2996

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Good day Corli

Thank you for your e-mail, I will peruse the detail provided and get back to you if needed.

Yes, I will attend the meeting on 11 June 2024; 18:00 – 20:30: Bloemfontein, Protea Hotel by Marriott Bloemfontein Willow Lake, 101 Henry Street, Willows.

Regards



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VRYSTAAT  
YUNIBESITHI YA  
FREISTATA

**Albie Louw** *Pr. PIn A1117/1999*

Assistant Director: Property Management - University Estates

PO Box 339, Bloemfontein, 9300, Republic of South Africa

051 4019207

[LouwA1@ufs.ac.za](mailto:LouwA1@ufs.ac.za)



*Inspireer uitnemendheid.  
Verander lewens...*

---

**From:** Corlie Steyn <Corlie.Steyn@zutari.com>

**Sent:** Monday, June 10, 2024 2:38 PM

**To:** Albie Louw <LouwA1@ufs.ac.za>

**Cc:** Petrus Oberholster <OberholsterPF@ufs.ac.za>; Johan Barnard <BarnardJ@ufs.ac.za>; Alphonso Van Der Merwe <Alphonso.VanderMerwe@zutari.com>; Werner Barnard <Werner.Barnard@zutari.com>; Werner Griessel <Werner.Griessel@zutari.com>; Stephan Kleynhans <Stephan.Kleynhans@zutari.com>; Marianna Taljaard <Marianna.Taljaard@zutari.com>; Wynand Loftus <Wynand.Loftus@zutari.com>

**Subject:** RE: XHARIEP WATER PIPELINE/ WATERPYPLYN: Notification/ Kennisgewing: Public Participation Process/Publieke Deelnameproses: DFFE Ref No/ Verw Nr: 14/12/16/3/3/1/2996

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Kind regards

**Corlie Steyn** *EAPASA.,MPhil, (Environmental Management)*



E [Corlie.Steyn@zutari.com](mailto:Corlie.Steyn@zutari.com) W [zutari.com](http://zutari.com)



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## Marianna Taljaard

---

**From:** Gert Nel <gertjnel@mweb.co.za>  
**Sent:** Tuesday, 11 June 2024 14:59  
**To:** Xhariep  
**Cc:** gertjnel@mweb.co.za  
**Subject:** REGISTRATION FORM  
**Attachments:** img20240611\_14574233.pdf

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GERT NEL M Com CA(SA)  
GERMAR BONSMARAS  
SEL NR: 082 8000 444  
Email: [germarbonsmaras@gmail.com](mailto:germarbonsmaras@gmail.com)

## Registration and Comment Form:

### Greater Mangaung Water Augmentation Project: Xhariep Pipeline, Mangaung Metropolitan Municipality, Free State

|                              |  |             |                   |  |
|------------------------------|--|-------------|-------------------|--|
| TITLE                        | MR   | FIRST NAME  | GERT              |  |
| INITIALS                     | G.J.   | SURNAME     | NEL               |  |
| ORGANISATION                 |  |             |                   |  |
| YOUR INTEREST IN THE PROJECT | (Please indicate whether for the BAR, the WJLA, or both) <i>Both</i> |             |                   |  |
| POSTAL & PHYSICAL ADDRESS    | <i>72 Kommandant Senekalst. Bloemfontein</i>                         |             |                   |  |
|                              |  | POSTAL CODE | <i>9301</i>       |  |
| LANDLINE TEL NO              |  | CELL NO     | <i>0828000444</i> |  |
| EMAIL ADDRESS                | <i>gertjnel@mweb.co.za</i>   |             |                   |  |

COMMENTS (please use separate sheets if you wish)

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**THANK YOU FOR YOUR PARTICIPATION**

Zutari and places a high premium on the privacy & personal information of our stakeholders. The processing of personal information is subject to the Protection of Personal Information Act (POPIA), Act No. 4 of 2013.

As a responsible party, Zutari is entrusted with the personal information of many stakeholders such as yourself, potential clients, staff and service providers and we are therefore obligated to process this information in line with the law.



## Marianna Taljaard

---

**From:** Dr GF Heyns <geofreheyns007@gmail.com>  
**Sent:** Tuesday, 11 June 2024 20:50  
**To:** Xhariep; Blackie Swart  
**Cc:** Dr Geofré Heyns  
**Subject:** Public Relation Process Xhariep " The Draft Bar"

You don't often get email from geofreheyns007@gmail.com. [Learn why this is important](#)

Dear Zutari/Mr Werner Griessel

I, George Frederik Heyns, hereby forward my objection to the draft model as presented on 11th June 2024 at Trompsburg 12:30. The presentation by Mr Stephen Kleynhans was excellently executed and valuable. I was allowed to ask questions.

I express herewith my concerns.

I am representing Michau Heyns Kindertrust and further joined rental farms. Directly and indirectly influenced by Scheme 1 and 1B and 4.

The farms were acquired in 1998. In 1988 after severe floods, a wetland moratorium was placed to prevent reconstruction of broken dam walls and weirs to allow natural wetlands to revive. Farms' prices were also affected with either buying or selling. Natural springs and marshes thereafter sustained and revived through 3 decades.

The proposed mainline scheme 1 and 4 and 1B hybrid traverse these wetlands and marshes in my farming region at 4 areas. These marshes are not depicted or assigned on the proposed draft as presented today. The Implementation plan and duration to recover span 20 years; leaving my business waterless and most likely impoverished. Devaluing the farms also for selling purposes. I introduced solar and wind energy to supply ultra high density potential. Your lines divide the system, thus gravity and balancing dams obsolete. Seven Title Deeds are encompassed as well as adjoining rental farms.

I hereby object and register myself with accompanied contact details and cellular number.

I kindly request your reconsideration, especially personal direction that I am available to supply on site.

Yours sincerely

Dr Geofré Heyns

0824549667

[geofreheyns007@gmail.com](mailto:geofreheyns007@gmail.com)



## Marianna Taljaard

---

**From:** Dr GF Heyns <geofreheyns007@gmail.com>  
**Sent:** Tuesday, 11 June 2024 20:57  
**To:** Xhariep  
**Subject:** Draft Proposal Xariep Pipeline  
**Attachments:** Screenshot\_20240611\_205109\_Sheets.jpg

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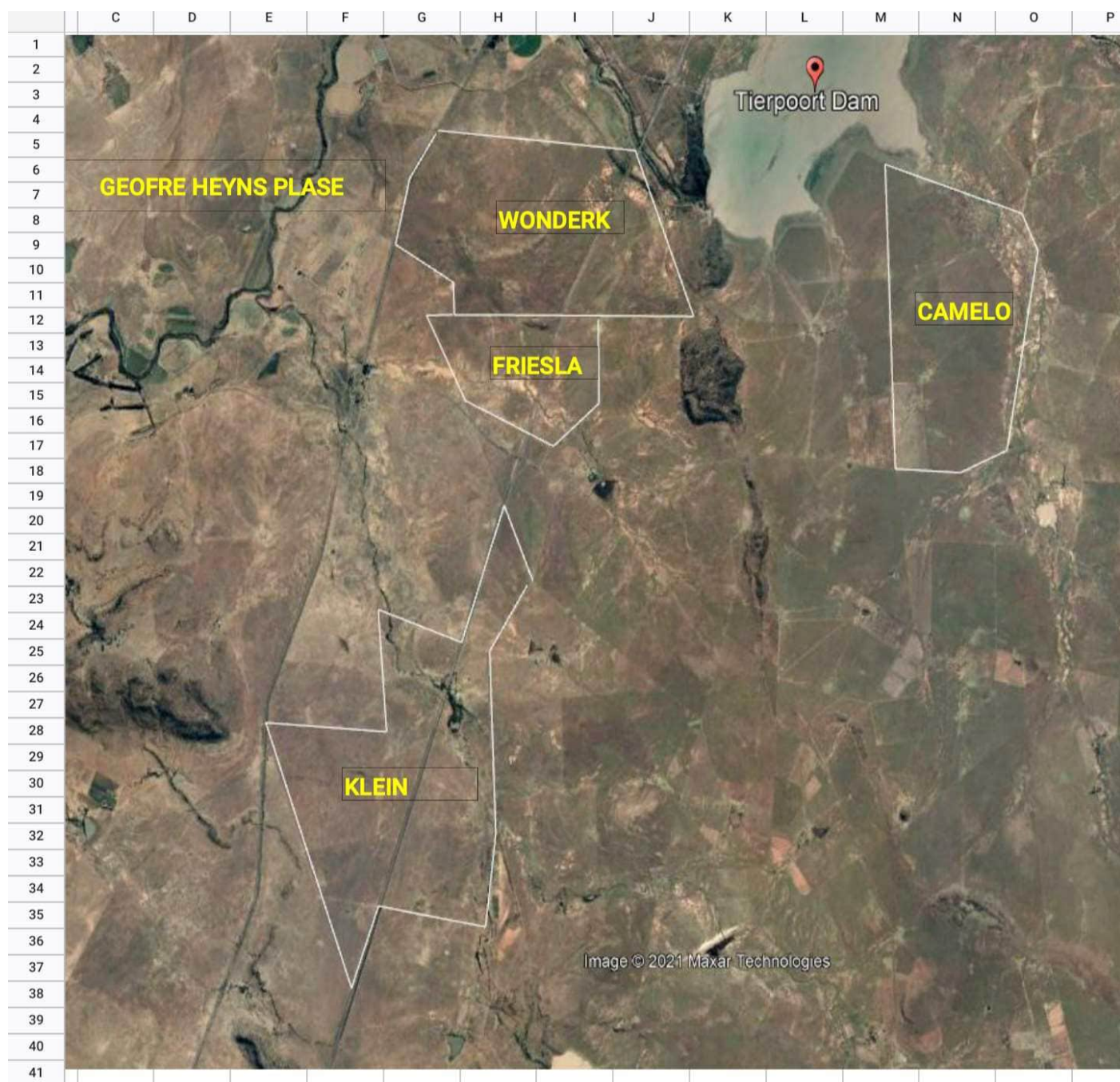
Dear Mr Werner Griessel/Stephen Kleynhans

Kindly refer to previous e -mail today.

Regards

Dr Geofré Heyns

(Michau Heyns Kindertrust)



## Marianna Taljaard

---

**From:** Dr GF Heyns <geofreheyns007@gmail.com>  
**Sent:** Tuesday, 11 June 2024 21:18  
**To:** Xhariep  
**Subject:** Fwd: Draft Proposal Xariep  
**Attachments:** tempFileForShare\_20240611-211626.jpg

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----- Forwarded message -----

**From:** Dr GF Heyns <[geofreheyns007@gmail.com](mailto:geofreheyns007@gmail.com)>  
**Date:** Tue, 11 Jun 2024, 21:17  
**Subject:** Draft Proposal Xariep  
**To:** <[Genie.deWaal@zutari.com](mailto:Genie.deWaal@zutari.com)>, Landbou Tierpoort <[landbou.tierpoort@gmail.com](mailto:landbou.tierpoort@gmail.com)>

Comment Dr GF Heyns

Vleilande:

Tierpark  
Dam



5,000 m





## Marianna Taljaard

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**From:** Xhariep  
**Sent:** Friday, 28 June 2024 09:47  
**To:** Dr GF Heyns  
**Cc:** Dr Geofré Heyns; Blackie Swart; vanjaarsvelds@dws.gov.za; mngumom@dws.gov.za; john.gribble; darius@dprecologists.co.za; johannes@setalaenvironmental.co.za; Corlie Steyn; Stephan Kleynhans; Frankie A'Bear; Wynand Loftus  
**Subject:** RE: Public Relation Process Xhariep " The Draft Bar"  
**Attachments:** Letter to Dr Heyns \_ Zutari Project Team \_ Final - Signed.pdf

Good Morning Dr Heyns,

Trust this mail finds you well.

Please see attached response from the project team in reference to your email below dated 11 June 2024.

Kind Regards

**Marianna Taljaard**

PROJECT ADMINISTRATOR, ENVIRONMENT AND PLANNING | ZUTARI

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**M** +27-74-0532214 **E** [Marianna.Taljaard@zutari.com](mailto:Marianna.Taljaard@zutari.com) **W** [zutari.com](http://zutari.com)

[DISCLAIMER](#)

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**From:** Dr GF Heyns <geofreheyms007@gmail.com>  
**Sent:** Tuesday, June 11, 2024 8:50 PM  
**To:** Xhariep <xhariep@zutari.com>; Blackie Swart <wolvekop2858@gmail.com>  
**Cc:** Dr Geofré Heyns <gf@heyms.bfnmcc.co.za>  
**Subject:** Public Relation Process Xhariep " The Draft Bar"

You don't often get email from [geofreheyms007@gmail.com](mailto:geofreheyms007@gmail.com). [Learn why this is important](#)

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The farms were acquired in 1998. In 1988 after severe floods, a wetland moratorium was placed to prevent reconstruction of broken dam walls and weirs to allow natural wetlands to revive. Farms' prices were also affected with either buying or selling. Natural springs and marshes thereafter sustained and revived through 3 decades.

The proposed mainline scheme 1 and 4 and 1B hybrid traverse these wetlands and marshes in my farming region at 4 areas. These marshes are not depicted or assigned on the proposed draft as presented today. The Implementation plan and duration to recover span 20 years; leaving my business waterless and most likely impoverished. Devaluing the farms also for selling purposes. I introduced solar and wind energy to supply ultra high density potential. Your lines divide the system, thus gravity and balancing dams obsolete. Seven Title Deeds are encompassed as well as adjoining rental farms.

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I kindly request your reconsideration, especially personal direction that I am available to supply on site.

Yours sincerely

Dr Geofré Heyns

0824549667

[geofreheyns007@gmail.com](mailto:geofreheyns007@gmail.com)



## PUBLIC PARTICIPATION

Links to information and comments

- **Comment period:** The Draft EIS is open for public comment from the 1st of June 2024 to the 4th of July 2024. You can comment on either of the following links:
- **Zutari website:**  
<https://geoverse.zutari.com/19a24836bcfc03da3c653c3a>
- **DWS website:** <https://www.dws.gov.za>
- If you wish to register as an Interested and Concerned Party (ICP) regarding the project, please do so in writing at these links:
- <https://survey123.arcgis.com/share/19a24836bcfc03da3c653c3a>  
[=https://geoverse.zutari.com/19a24836bcfc03da3c653c3a](https://geoverse.zutari.com/19a24836bcfc03da3c653c3a)
- If necessary, you may also register with the Department of Water and Sanitation (DWS) at Taljaard at +27-44-805-5410.





27 June 2024

Email: geofreheyms007@gmail.com

Dear Dr Heyms

**Greater Mangaung Water Augmentation Project: Xhariep Pipeline (Scheme 1B), Mangaung Metropolitan Municipality, Free State**

Your email dated 11 June 2024 has reference.

Thank you for making the time to attend to engagement meeting on 11 June 2024 in Trompsburg

Zutari notes that you are representing Michau Heyms Kindertrust and further joined rental farms.

According to information on the Zutari database the affected farms are:

- 1) Kinderspruit 425
- 2) Vaalbank 127

The image attached to your email also displays the following farms:

- 3) Farm Klein
- 4) Farm Frieska
- 5) Farm Camelo
- 6) Farm Wonderwerk as well as
- 7) Geofre Heyms

It is noted that these farms were acquired in 1997 whereafter severe flooding events impacted the land. A moratorium period followed the flooding events to allow for the natural restoration of the wetlands over the said period which according to your letter resulted in a devaluation of the land at the time. Thereafter approximately 30 years (3 decades) followed and allowed for natural springs and marches to recover.

**1. Wetlands:**

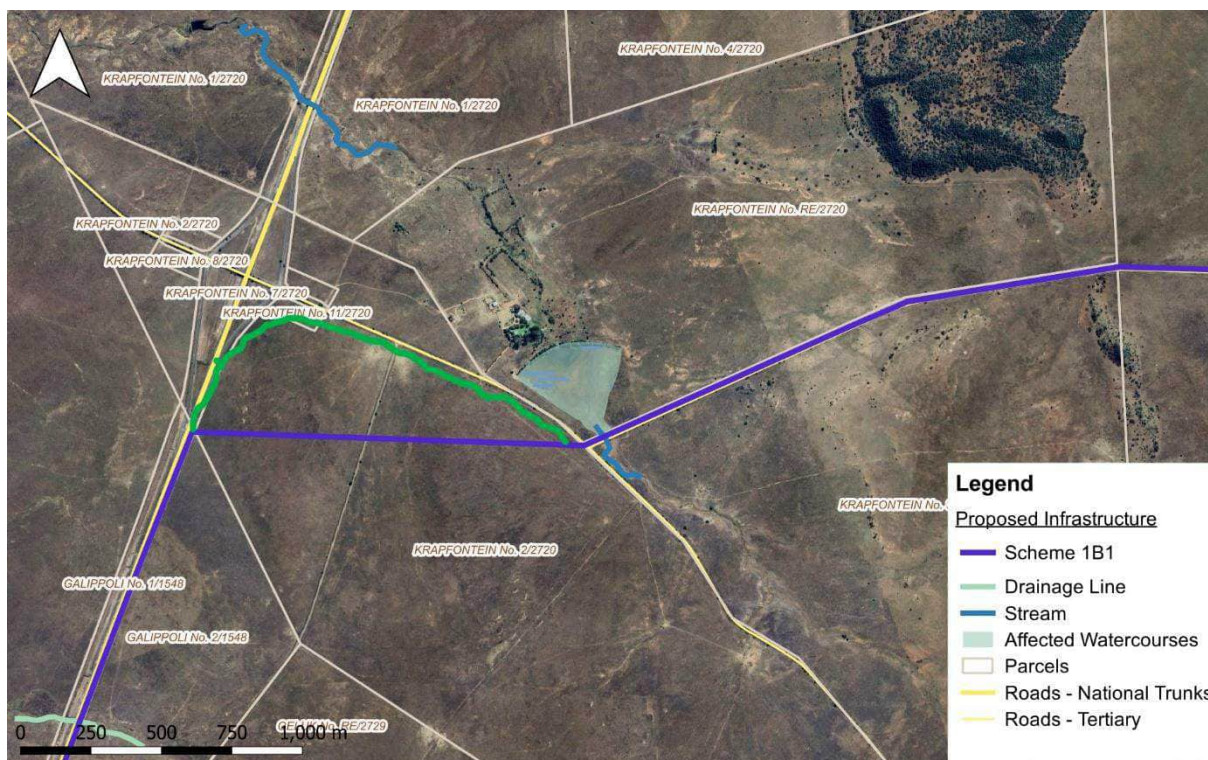
Your email states that the proposed Xhariep Pipeline Project Scheme 1, 1B and 4 (the Xhariep pipeline project) will traverse these wetlands and marches in several places. It is noted by you that these wetlands and marches are not indicated or confirmed in the project proposal.

On 11 June 2024 during the engagement meeting Zutari provided assurance that the said wetlands and marches were indeed part of the proposal, that the wetlands have been delineated by the various specialists and that mitigation measures in this regard have been captured in the Environmental Management Plan (EMPr). The EMPr will form part of the environmental authorisation should this be granted by the competent authority namely the Department of Forestry, Fisheries and the Environment (DFFE).



Upon receiving your email Zutari engaged the various independent specialists for their specialist input in the matters raised. Please refer to the attached Annexure 1 (Memorandum) for the verbatim input from (i) Biodiversity and (ii) the Freshwater Specialist regarding the wetlands and marches.

Zutari considered the input from the specialists and yourself and proposed to accommodate you with the amended route to follow the N1 as shown by the green line on the image below. The impact would be less on the mentioned wetland and marches. For the pipeline route to follow existing infrastructure, is generally preferable from a disruption and maintenance perspective. It will, however, be more expensive due to the longer pipeline route, hence the original alignment.



## 2. Devaluation:

Your letter states that that the proposed Xhariep pipeline project will leave your farming enterprise with a lack of natural water which will lead to devaluation of the farms. Please refer to Annexure 1 in reference to the matter addressing the lack of natural water.

Furthermore, please note Zutari's appointment is for the detailed feasibility phase of the project, whereafter DWS will appoint a professional service provider to undertake the detailed design and construction supervision. However, in terms of engagements between landowners and DWS, the following processes are likely to be followed:

- The Sub Directorate: Land Rights Administration (LRA) is the unit within the Department of Water and Sanitation (DWS) responsible for all land-related matters nationwide. The LRA unit is situated in Pretoria.
- After a detailed feasibility phase is approved, an instruction is given to the LRA by the DWS Project Manager to acquire the land and servitudes needed for the project. The LRA will then obtain approval from the Minister of Water and Sanitation to engage affected landowners regarding the procurement of land and registration of servitudes. Once approval is granted, the LRA will appoint a professional registered valuer (at the project's cost), and a public meeting will be arranged, typically through an appointed social facilitator, with all affected owners/persons.
- At the meeting, the LRA and the appointed valuer will explain the acquisition and valuation processes. Following this meeting, one-on-one meetings will be held with all affected owners

to further detail the processes. The valuer will then visit each affected owner on-site to conduct the valuation of the servitude or land affected by the project.

- During these one-on-one engagements, landowners will have the opportunity to raise conditions they may want to propose as part of the Agreement to be concluded between DWS and the landowner. Each condition/request will be evaluated based on merit before being agreed to.
- After conducting market research and completing other necessary steps, the valuer will compile a valuation report for each owner and submit it to the LRA, which will handle the compensation as recommended by the valuer.

Should you want to discuss any additional measures you are welcome to contact Zutari in this regard so that it can be negotiated with the client for inclusion in the environmental authorisation and construction documentation.

Yours faithfully

Stephan Kleynhans  
  
Signed by Stephan Kleynhans,  
stephan.kleynhans@zutari.com

---

Stephan Kleynhans  
Design Director

Copies:

[vanjaarsvelds@dws.gov.za](mailto:vanjaarsvelds@dws.gov.za)

[johannes@setalaenvironmental.co.za](mailto:johannes@setalaenvironmental.co.za)

[darius@dprecologists.co.za](mailto:darius@dprecologists.co.za)

[john.gribble@terramarearchaeology.com](mailto:john.gribble@terramarearchaeology.com)



## Memorandum

|                |  |                                    |                |
|----------------|--|------------------------------------|----------------|
| <b>To</b>      | <b>Setlala Environmental, DPR Ecologists &amp; Environmental Services and Terramare Archaeology</b>  | <b>From</b>                        | <b>Zutari</b>  |
| <b>Purpose</b> | <b>To obtain input from the independent specialist in reference to matters raised by Saamspan Trust regarding the Xhariep pipeline project</b> | <b>Reference</b>                   | <b>1002533</b> |
| <b>Date</b>    | <b>2024-06-24</b>  | <b>Pages (including this page)</b> | <b>5</b>       |
| <b>Subject</b> | <b>Saamspan Trust (Letter dated 20 June 2024)</b>  |                                    |                |

### (i) Independent Biodiversity Specialist: Setala Environmental (Verbatim)

Firstly, thank you for taking the time to detail your queries and concerns regarding the pipeline project. As hopefully noted from the ecological studies, the protection and avoidance of all watercourses as far as possible, including wetlands, is a priority. However, having said that, it is difficult to be able to demarcate and avoid all wetlands and drainage lines across the entire length of the project especially small seasonal ones, but most of the significant and distinctive watercourses have been highlighted. The project is still in the initial feasibility stage and more fine-tuning will be done as the project progresses.

The specialist studies do put forward a number of mitigating measures in an effort to reduce the potential negative impacts the project may have on watercourses, as well as other natural habitats and sensitive areas. These mitigating measures will become part of the actual conditions of environmental authorisations and other environmental management plans that must be implemented and monitored during the construction and operational phases of the project. Hereby, checks and balances are put in place to ensure levels of protection, avoidance and reduction in negative impacts on the natural environment.

A water pipeline has a small, linear footprint that has minimal overall negative impact on the natural environment. For the most part the pipeline is going to be buried and the surface area will quickly recover to preconstruction levels and will not even be visible after a short period of time. During the construction phase special attention will be given to watercourse areas. Buffer zones and regulated zones have been demarcated. This means that there will be restricted and controlled access into these areas to limit negative impacts. The pipeline design in the area of watercourses (streams, rivers wetlands) will be given special attention, which may include the depth at which the pipe is buried. This is important to limit and avoid the pipe from impeding and impounding the surface flow and sub-surface flow of groundwater that is important for the maintenance of wetlands. Having worked on numerous pipeline projects across wetland areas, such as in the Mpumalanga Highveld and Free State, I would like to assure concerned landowners that a pipeline of this nature will have negligible to no negative impacts on the movement of surface stormwater and groundwater into wetlands and rivers. Mitigating measures and conditions put

forward prohibit the impeding and impounding of water flow. It is also a condition that the water presently feeding into a specific wetland, stream or river may not be diverted away and must still enter into those systems. In other words, after design and construction the wetlands of concern will still be adequately fed and sustained from 'upstream' surface and sub-surface stormwater flow. It is important that in these wetland areas the engineers ensure designs are implemented to ensure free flow and movement of stormwater. In other words, no large soil embankments / mounds may be constructed in these areas that will directly and clearly impeded water from feeding into and sustain existing natural wetlands. It has been shown that the sub-surface water moving through an area will easily bypass a buried pipe and still move in the original downstream direction.

The comments from the Saamspan Trust mention a 20-year recover time period. In terms of the pipeline the recovery will be within one to two seasons. In other words, regrowth of surface grass will recover within the first season and by the second season minimal to no surface trace of the pipeline should be visible, if construction and rehabilitation processes have been properly followed. It is also for this reason that independent Environmental Control Offices (ECOs) will be assigned to the project to monitor and ensure full compliance.

I can assure the concerned landowners that the project will definitely not lead to a lack of natural water as presently found on the farms and watercourses. Once again please note that the nature of the project is such that it will have negligible to no negative impact on the aquatic environment, and most if not all water presently flowing into streams, rivers, wetlands and farm dams will be maintained and not impacted. It should be noted that the initial pipeline servitudes are mostly along existing roads. This has been done in an effort to avoid farming areas and other natural grasslands and koppies (rocky outcrops). This further limits additional negative impacts on natural grasslands and wetlands. In the area of some of the farms the pipeline does cut across open grassland. It might be an option to consider moving some of this pipeline to follow existing roads.

There are minimal indigenous trees along the pipeline route, being mostly within a grassland ecosystem. Where trees have been encountered, especially protected trees such as wild olive trees, these have been noted and mitigating measures recommended to avoid them as far as possible, and if not, to offset them by planting additional trees. However, no protected trees were observed in the open grassland areas. In the case of historical farm boundaries and homesteads where large, old gum trees (in particular) are standing additional fine-tuning and measures should be put in place to protect these as well. During further progress and fine-tuning of the project these trees, such as mentioned in the comments from the Saamspan Trust, should be highlighted and protected as far as possible.

In summary:

- The pipeline will not result in the loss of natural wetlands, rivers and other watercourses as presently found along the route.
- Further identification and demarcation of wetlands, etc. as mentioned in comments should be undertaken to address the concerns of landowners.
- Special attention will be given in the final designs, layouts and routes to ensure that water feeding into existing wetlands will not be compromised, hereby ensuring their present ecological state and integrity. Please note, that this is also a central issue of the Department of Water & Sanitation (DWS) with such projects.
- The recovery rate of disturbed areas along the pipeline route will be one to two seasons at most and definitely not 20 years.
- The negative effect on the natural environment by the pipeline will be negligible, especially if it is buried and site-specific rehabilitation is implemented. There will be negligible to no visible negative impact either.

I trust that this addresses the queries and concerns as received.

(ii) **Independent Freshwater Specialist: DPR Ecologists & Environmental Services**  
**(Verbatim)**

I have reviewed the comments as received with regard to affected wetlands. You can consider the following comments and recommendations which can be taken into consideration regarding likely impacts and mitigation.

Wetland systems as indicated has been subjected to comprehensive assessment and already included in the wetland assessment (dated March 2024).

These wetlands have been listed as follows:

- #40 Holsloot – Tributary of Tierpoort River (Page 122 of report).
- #41 Channelled valley-bottom wetland – Tributary of Holsloot (Page 124 of report).
- #42 Channelled valley-bottom wetland – Tributary of Holsloot (Page 126 of report).
- #43 Stream and floodplain wetland – Tributary of Tierpoort River (Page 128 of report) – Additional assessment also included (refer to page 52).

A description of each of these affected wetlands have also been provided which indicates that they are all significant systems with extensive wetland conditions. They are also still largely intact though impacts affecting them are significant and include several artificial impoundments (Farm dams) and existing road crossings (N1 as well as gravel road). These are however still regarded as important systems and accordingly the risk matrix indicates a Moderate Risk which will require significant mitigation in order to ensure that the proposed pipeline construction does not adversely affect them. Most important will be to ensure that these systems maintain flow during construction and that adequate and comprehensive rehabilitation is implemented.

The following has been included within our assessment and will also be most relevant to these wetland areas as indicated (Also refer to page 163 of the report):

- The disturbance caused by construction will cause susceptible conditions for further establishment of exotics. It is therefore recommended that weed eradication be initiated at the construction site prior to construction and continued until rehabilitation of the pipeline route has been completed.
- When excavating through wetlands and watercourses, the upper 30 cm, or topsoil, should be removed together with the vegetation and stored as sods on the site. These should then be replaced on top of the installed pipeline. Subsoil should be used as backfilling and not as top dressing. Only removed sods and topsoil should be utilised to rehabilitate the bed and bank surface.
- The soil surface should also be re-instated to the virgin soil level and not depressed or elevated as this will promote erosion and cause flow barriers.
- Installation of the pipeline through wetlands and watercourses should preferably be undertaken during the winter months (July to September) when baseflow will be at its lowest level.
- Impacts will persist until adequate rehabilitation of the construction area has been completed. This should include rehabilitation of the soil surface, including re-instating the natural surface, including areas affected by vehicle trampling and tracks, scarifying compacted soil surfaces and the monitoring and eradication of exotic weeds until a competitive indigenous vegetation layer has been able to re-establish.
- Where trenches are being excavated through wetlands and watercourses this should preferably be done during the winter months when flooding is unlikely to take place. Where this is not possible and the main channel experiences active connected flow, only half of the channel should be blocked off for construction whilst the remaining half is allowed to maintain flow. This will still result in some impacts but will be much less than blocking the whole watercourse. Blocking of half of the watercourse is often done by constructing a berm and diverting the flow into the remaining half of the channel. This causes concentration of flow

which in turn may increase erosion. In such instances, the use of attenuation ponds or similar should be implemented, this will also be relevant where any dewatering of construction sites area required, i.e. water should be pumped into attenuation ponds, sediments allowed to settle and with water seeping back into the system.

- Monitoring of construction and compliance with recommended mitigation measures must take place and should include biomonitoring of wetlands by using the WET-Health 2 indices while watercourses should be monitored by using the Index of Habitat Integrity indices.

As indicated, though these affected wetlands are all important and sensitive systems and while concerns raised are valid, the following should also be considered:

- At the four indicated wetlands (#40, 41, 42, 43) which will be affected by the pipeline crossing, the existing N1 National Road and gravel road already cross over these system and therefore existing, similar impacts are already present, i.e. the pipeline will not entail a new impact.
- Similar bulk pipeline developments are common and has reliably shown that as long as adequate rehabilitation is undertaken, these pipeline crossings do not result in any long-term modification of wetlands, wetland vegetation is able to re-establish within a relatively short period (within 2-5 years) and no significant above-ground evidence of these pipelines remain visible.
- Belowground pipeline construction entails a temporary impact and the wetlands will only be affected for a short period during construction with complete rehabilitation occurring within 2-5 years after construction.
- Because pipelines are linear developments, it is not possible to completely avoid crossing of wetland systems and this is an inevitable impact which remains unavoidable. These wetlands will therefore have to be crossed somewhere and the indicated locations adjacent to the N1 National Road and gravel road will therefore be more suitable (existing road crossings are already present).
- If mitigation as indicated are implemented, especially in respect to maintaining adequate flow (see point 8 above), then downstream sections of these wetlands will not be affected to a significant extent in terms of flow regime. In other words, downstream sections will maintain functionality as they will continue receiving inflow from the upstream areas.

Hopefully this will provide some clarity on the anticipated impacts on these wetlands. They have been subjected to comprehensive assessment and should indicate how and to what degree the pipeline will affect these wetlands.

Please let me know if you require any more information or have any additional questions.

**(iii) Independent Heritage Specialist: Terramare Archaeology (Verbatim)**

Thank you for forwarding me the comment from Prof Wessels.

My response below relates to the second point he makes: that regarding potential impacts from the project to the farm Krapfontein. In responding, I have assumed that the farm portions being referred to are Re 2720 and Portion 2 of 2720 Krapfontein.

I note that Prof Wessels is concerned about the magnitude of the construction work and its effects on nature, indigenous trees along the S299 and on the landscape. I cannot comment on the natural environment impacts or on the possible impacts to the trees dotted along the S299 but can respond on the landscape question.

The farm complex on Re 2720, which I assume is the one referred to by Prof Wessels as having survived the Anglo-Boer War, is situated more than 400m at its closest point from the proposed alignment of the pipeline and is largely screened by trees. Although there may be visual impacts within the landscape during the installation of the pipeline (the presence of machinery, vehicles, people and the pipe trench,



for example), the fact that the pipe will be a buried feature means that once the area has been rehabilitated post-installation, there should be few to no long-term or continuing visual impacts in or on the landscape. There will certainly be no direct impacts arising from the project as proposed to the farm complex itself.

With respect to other heritage resources in proximity to the pipeline route on Krapfontein, we noted no obvious cultural heritage resources on either land parcel in proximity to the proposed pipeline route during our site visit.

Best regards



## Marianna Taljaard

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**From:** Dr GF Heyns <geofreheyns007@gmail.com>  
**Sent:** Friday, 28 June 2024 13:39  
**To:** Xhariep; Blackie Swart  
**Cc:** Dr Geofré Heyns  
**Subject:** Re: Public Relation Process Xhariep " The Draft Bar"

You don't often get email from geofreheyns007@gmail.com. [Learn why this is important](#)

Dear ZutariXhariep [et.al](#)

I appreciate your feedback.I forward your response to a respected field and environmental expert/specialist.

I look forward meeting you at my concerned points of disparity.

Kind regards

Dr GF Heyns

On Tue, 11 Jun 2024, 20:50 Dr GF Heyns, <[geofreheyns007@gmail.com](mailto:geofreheyns007@gmail.com)> wrote:

Dear Zutari/Mr Werner Griessel

I,George Frederik Heyns, hereby forward my objection to the draft model as presented on 11th June 2024 at Trompsburg 12:30.The presentation by Mr Stephen Kleynhans was excellently executed and valuable.I was allowed to ask questions.

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The farms were acquired in 1998.In 1988 after severe floods,a wetland moratorium was placed to prevent reconstruction og broken damwalls and weirs to allow natural wetlands to revive.Farms' prices were also affected with either buying or selling.Natural springs and marshes thereafter sustained and revived through 3 decades. The proposed mainline scheme1 and 4 and 1B hybrid traverse these wetlands and marshes in my farming region at 4 areas.These marshes are not depicted or assigned on the proposed draft as presented today.The Implementation plan and duration to recover span 20years; leaving my business waterless and most likely impoverished.Devaluating the farms also for selling purposes.I introduced solar and windenergy to supply ultra high density potential.Your lines divide the system,thus gravity and balancing dams obsolete.Seven Title Deeds are encompassed as well as adjourning rental farms.

I hereby object and register myself with accompanied contact details and cellular number.

I kindly request your reconsideration,especially personal direction that I am available to supply on site.

Yours sincerely

Dr Geofré Heyns

0824549667

[geofreheyns007@gmail.com](mailto:geofreheyns007@gmail.com)



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<https://geoverse.zutari.com/19a24836bcfc03da3c653c3a>
- **DWS website:** <https://www.dws.co.za>
- If you wish to register as an Interested Party, please do so in writing at these links:
- <https://survey123.arcgis.com/share/19a24836bcfc03da3c653c3a>  
[=https://geoverse.zutari.com/19a24836bcfc03da3c653c3a](https://geoverse.zutari.com/19a24836bcfc03da3c653c3a)
- If necessary, you may also register with the Department of Water and Sanitation, Free State, at Taljaard at +27-44-805-5410.



## Marianna Taljaard

---

**From:** Xhariep  
**Sent:** Wednesday, 03 July 2024 17:03  
**To:** Dr GF Heyns; Xhariep  
**Cc:** Marianna Taljaard  
**Subject:** RE: FW: XHARIEP WATER PIPELINE/ WATERPYPLYN: Notification/ Kennisgewing: Public Participation Process/Publieke Deelnameproses: DFFE Ref No/ Verw Nr: 14/12/16/3/3/1/2996  
**Attachments:** Letter to Dr Heyns \_ Zutari Project Team \_ Final - Signed.pdf; Annexure 1\_ Xhariep Memorandum Specialist Input.pdf  
**Importance:** High

Dear Dr Heyns,

Thank you for your email below as well as all previous emails in reference to the proposed Xhariep pipeline project.

Can you please advise whether you have received the attached letter and memorandum that have been emailed to you earlier this week.

The memo reflects the input from the independent specialists and the letter addresses your previous comments. Please note mention is also made to Saamspan Trust who raised similar issues so the specialists addressed your comment and the letter from Saamspan Trust in the same response.

We will engage with the project team on your email below and will provide further feedback.

Kind regards

**Corlie Steyn** *EAPASA.,MPhil, (Environmental Management)*

SENIOR CONSULTANT, ENVIRONMENT AND PLANNING | ZUTARI

---

E [Corlie.Steyn@zutari.com](mailto:Corlie.Steyn@zutari.com) W [zutari.com](http://zutari.com)

### DISCLAIMER

---

**From:** Dr GF Heyns <geofreheyms007@gmail.com>  
**Sent:** Wednesday, July 3, 2024 1:37 PM  
**To:** Xhariep <xhariep@zutari.com>  
**Cc:** Marianna Taljaard <Marianna.Taljaard@zutari.com>  
**Subject:** Re: FW: XHARIEP WATER PIPELINE/ WATERPYPLYN: Notification/ Kennisgewing: Public Participation Process/Publieke Deelnameproses: DFFE Ref No/ Verw Nr: 14/12/16/3/3/1/2996

Dear Zutari/Xhariep Tierpoort Region

Thank you for the feedback

I still would advise to reconsider the "old approved line" along Tierpoort Edenburg dirt road, away from this " high accident zone" of N1. Please refer to Tierpoort Landbou for the zoning as per request in 2022/2023. The Dirt road and Trainline already exists with servitude. Lastly, the western bank/servitude of the existing N1 High Risk Accident zone, is lying on a wide land open to excavations, without traversing of agricultural veld, only marshes. Lastly I deem it still my responsibility to put your attention to 4 marshes and wetlands plus there constant springs NOT DEPICTED and addressed by any of the previous remarks and communication and presentations. I refer to the absence of pictures

of specimens containing soil from the 4 marshes.



Your attention is appreciated and I look forward meeting you on site.

Regards

Dr Geofré Heyns

0824549667





12:58



Ka



Search

← -29.46

On Wed, 03 Jul 2024, 09:46 Xhariep, <[xhariep@zutari.com](mailto:xhariep@zutari.com)> wrote:

Dear All,

The PP period for the Xhariep pipeline project is coming to a close on 4 July 2024.

Please note the amended pipeline route below. The route will follow the N1 as shown by the green line on the image below to accommodate landowners.

It will, however, be more expensive due to the longer pipeline route, hence the original alignment.

All specialists have confirmed that no new assessment is necessary for the new proposed route (green line on image).

The pipe length changed by just under 500m: Total pipeline length went from 244.4km to 244.9km.

**The new details are:**

| Component   | Capacity (m <sup>3</sup> /s) <sup>(1)</sup> | Capacity (MI/d) <sup>(1)</sup> | Estimated Footprint (m <sup>2</sup> ) |
|---|---|--------------------------------|---------------------------------------|
| Gariep Low Lift Pump Station  | 3.8   | 328.1                          | 10,000                                |
| Gariep WTP  | -   | 312                            | 600,000                               |
| Gariep High Lift Pump Station   | 3.62  | 312.4                          | (included in WTP above)               |
| Command Reservoir (3 sites)   | -   | 80 MI                          | 112,500                               |
| Booster Pump Station  | 3.62  | 312.4                          | 10,000                                |
| Gariep Pipeline<br>(188.99 km, 1800 Ø)                                | 3.62  | 312.4                          | 7,559,600                             |
| Gravity Pipeline to Brandkop<br>(31.37 km, 2000 Ø)                    | 3.62  | 312.4                          | 1,254,800                             |
| Gravity Pipeline to Rustfontein Pump<br>Station<br>(24.52 km, 1400 Ø) | 2.43  | 209.8                          | 980,800                               |
| Substation (2 sites)  | -   | -                              | 45,000                                |
| <b>Total (m<sup>2</sup>)</b>  |   |                                | <b>10,572,700</b>                     |
| Total (ha)  |   |                                | 1,057                                 |



|                           |  |  |         |
|---------------------------|--|--|---------|
| Total excl. pipeline (m²) |  |  | 777,500 |
| Total excl. pipeline (ha) |  |  | 78      |

Kind Regards

**Marianna Taljaard**

PROJECT ADMINISTRATOR, ENVIRONMENT AND PLANNING | ZUTARI

M +27-44-8055410 E [Marianna.Taljaard@zutari.com](mailto:Marianna.Taljaard@zutari.com) W [zutari.com](http://zutari.com)

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## Marianna Taljaard

---

**From:** Dr GF Heyns <geofreheyms007@gmail.com>  
**Sent:** Wednesday, 03 July 2024 21:10  
**To:** Xhariep  
**Cc:** Marianna Taljaard  
**Subject:** Re: FW: XHARIEP WATER PIPELINE/ WATERPYPLYN: Notification/ Kennisgewing: Public Participation Process/Publieke Deelnameproses: DFFE Ref No/ Verw Nr: 14/12/16/3/3/1/2996  
**Attachments:** image003.jpg

Thank you  
I will work through the information. Also utilizing a specialist environmentalist.  
Your evaluation of my suggestions need priority

On Wed, 03 Jul 2024, 17:03 Xhariep, <[xhariep@zutari.com](mailto:xhariep@zutari.com)> wrote:

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**Corlie Steyn** *EAPASA., MPhil, (Environmental Management)*  
SENIOR CONSULTANT, ENVIRONMENT AND PLANNING | ZUTARI

---

E [Corlie.Steyn@zutari.com](mailto:Corlie.Steyn@zutari.com) W [zutari.com](http://zutari.com)

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**Sent:** Wednesday, July 3, 2024 1:37 PM

**To:** Xhariep <[xhariep@zutari.com](mailto:xhariep@zutari.com)>

**Cc:** Marianna Taljaard <[Marianna.Taljaard@zutari.com](mailto:Marianna.Taljaard@zutari.com)>

**Subject:** Re: FW: XHARIEP WATER PIPELINE/ WATERPYPLYN: Notification/ Kennisgewing: Public Participation Process/Publieke Deelnameproses: DFFE Ref No/ Verw Nr: 14/12/16/3/3/1/2996

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Small, illegible text line, possibly a page header or footer note.

Your attention is appreciated and I look forward meeting you on site.

Regards

Dr Geofré Heyns

0824549667



Small, illegible text line, possibly a page header or footer note.



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| Total (ha)  |   |                                | 1,057                                 |
| <b>Total excl. pipeline (m<sup>2</sup>)</b>                           |   |                                | <b>777,500</b>                        |
| Total excl. pipeline (ha)   |   |                                | 78                                    |

Kind Regards

**Marianna Taljaard**

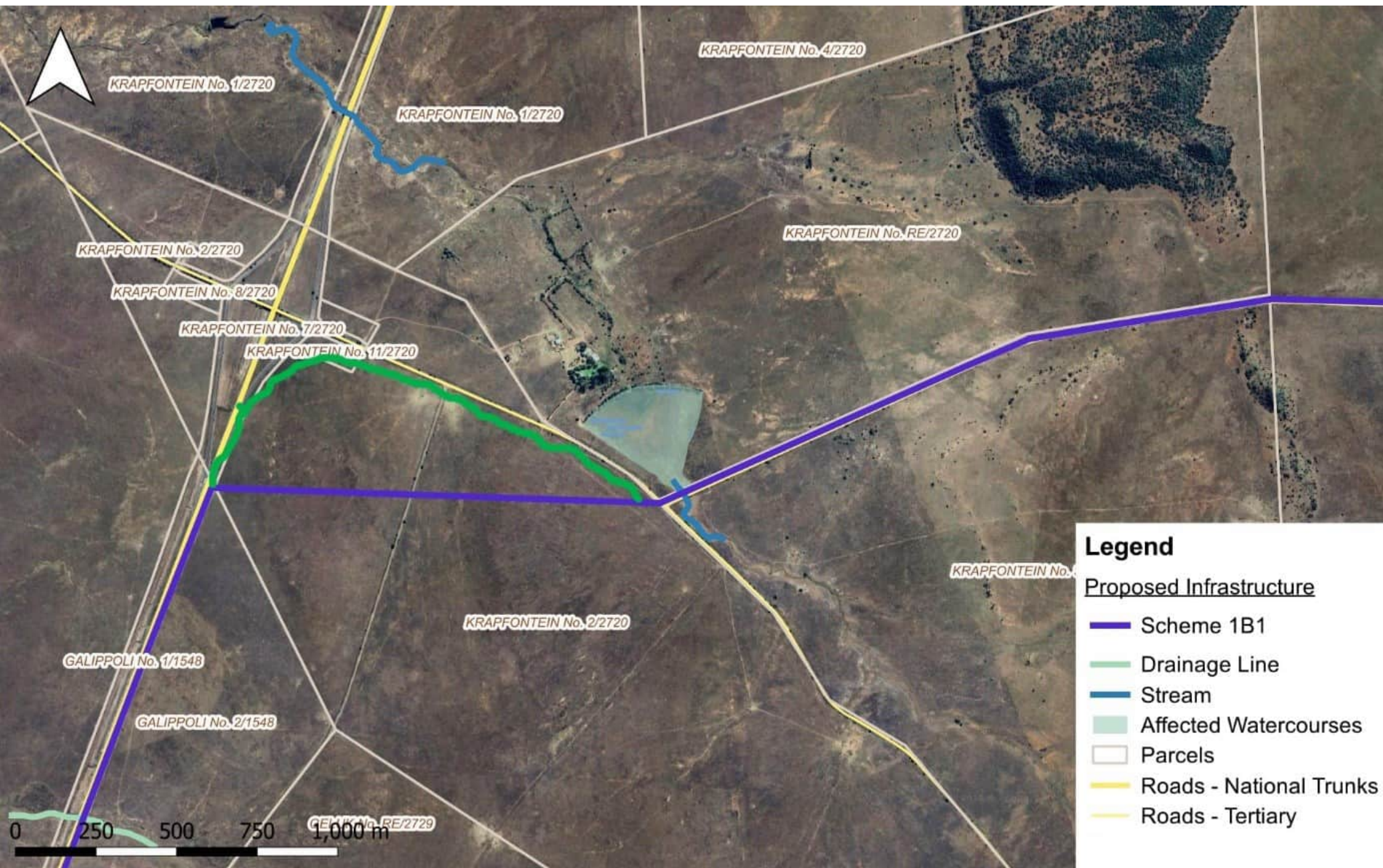
PROJECT ADMINISTRATOR, ENVIRONMENT AND PLANNING | ZUTARI

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## Legend

### Proposed Infrastructure

-  Scheme 1B1
-  Drainage Line
-  Stream
-  Affected Watercourses
-  Parcels
-  Roads - National Trunks
-  Roads - Tertiary



## Marianna Taljaard

---

**From:** Dr GF Heyns <geofreheyms007@gmail.com>  
**Sent:** Wednesday, 03 July 2024 14:04  
**To:** Marianna Taljaard  
**Subject:** XhariepZutari Tierpoort

Dear me Marianna Taljaard

Kindly confirm: Is green added or initial purple line now first choice? Text not clear.

Please notify me whether my input today on

- 1: Old Approved line along Edenburg Tierpoort Dirt road along railroad as being first choice
- 2.The servitude on western zone N1
- 3.High Accident Zone N1
- 4.My concern on 4 marshes/springs/wetlands not attended to my opinion; is received to be attended.

Regards

Dr Geofré Heyns

## Marianna Taljaard

---

**From:** Dr GF Heyns <geofreheyms007@gmail.com>  
**Sent:** Friday, 12 July 2024 12:07  
**To:** Xhariep; Marianna Taljaard; Corlie Steyn; Veld/Landboukonsultant Louis du Pisani; Landbou Tierpoort; Blackie Swart  
**Subject:** Fwd: FW: XhariepZutari Tierpoort

----- Forwarded message -----

**From:** Dr GF Heyns <[geofreheyms007@gmail.com](mailto:geofreheyms007@gmail.com)>  
**Date:** Fri, 12 Jul 2024, 12:04  
**Subject:** Re: FW: XhariepZutari Tierpoort  
**To:** Veld/Landboukonsultant Louis du Pisani <[Ldupisani@gmail.com](mailto:Ldupisani@gmail.com)>

Dear Zutari and Dr Louis Du Pusani. Affirmed .  
Thank you. I shall escort the company by road to areas of contention.  
Regards  
Dr GF HEYNS

On Fri, 12 Jul 2024, 11:50 Dr GF Heyns, <[geofreheyms007@gmail.com](mailto:geofreheyms007@gmail.com)> wrote:

----- Forwarded message -----

**From:** Marianna Taljaard <[Marianna.Taljaard@zutari.com](mailto:Marianna.Taljaard@zutari.com)>  
**Date:** Fri, 12 Jul 2024, 11:07  
**Subject:** RE: FW: XhariepZutari Tierpoort  
**To:** Dr GF Heyns <[geofreheyms007@gmail.com](mailto:geofreheyms007@gmail.com)>  
**Cc:** Landbou Tierpoort <[landbou.tierpoort@gmail.com](mailto:landbou.tierpoort@gmail.com)>, Blackie Swart <[wolvekop2858@gmail.com](mailto:wolvekop2858@gmail.com)>, Veld/Landboukonsultant Louis du Pisani <[Ldupisani@gmail.com](mailto:Ldupisani@gmail.com)>, Xhariep <[xhariep@zutari.com](mailto:xhariep@zutari.com)>, Corlie Steyn <[Corlie.Steyn@zutari.com](mailto:Corlie.Steyn@zutari.com)>, Stephan Kleynhans <[Stephan.Kleynhans@zutari.com](mailto:Stephan.Kleynhans@zutari.com)>, Wynand Loftus <[Wynand.Loftus@zutari.com](mailto:Wynand.Loftus@zutari.com)>, Johannes Maree <[johannes@setalaenvironmental.co.za](mailto:johannes@setalaenvironmental.co.za)>, [darius@dprecologists.co.za](mailto:darius@dprecologists.co.za) <[darius@dprecologists.co.za](mailto:darius@dprecologists.co.za)>

Dear Dr. Heyns

Thank you for confirming.

Meeting will then take place on Thursday, 18 July 2024 @ 10:00 – Venue: Toms Place Rendezvous (Resort)

Kind Regards

## Marianna Taljaard

PROJECT ADMINISTRATOR, ENVIRONMENT AND PLANNING | ZUTARI

---

**M** +27-74-0532214 **E** [Marianna.Taljaard@zutari.com](mailto:Marianna.Taljaard@zutari.com) **W** [zutari.com](http://zutari.com)

### DISCLAIMER

---

**From:** Dr GF Heyns <[geofreheyms007@gmail.com](mailto:geofreheyms007@gmail.com)>  
**Sent:** Friday, July 12, 2024 10:15 AM  
**To:** Marianna Taljaard <[Marianna.Taljaard@zutari.com](mailto:Marianna.Taljaard@zutari.com)>  
**Cc:** Landbou Tierpoort <[landbou.tierpoort@gmail.com](mailto:landbou.tierpoort@gmail.com)>; Blackie Swart <[wolvekop2858@gmail.com](mailto:wolvekop2858@gmail.com)>; Veld/Landboukonsultant Louis du Pisani <[Ldupisani@gmail.com](mailto:Ldupisani@gmail.com)>; Xhariep <[xhariep@zutari.com](mailto:xhariep@zutari.com)>; Corlie Steyn <[Corlie.Steyn@zutari.com](mailto:Corlie.Steyn@zutari.com)>; Stephan Kleynhans <[Stephan.Kleynhans@zutari.com](mailto:Stephan.Kleynhans@zutari.com)>; Wynand Loftus <[Wynand.Loftus@zutari.com](mailto:Wynand.Loftus@zutari.com)>  
**Subject:** Re: FW: XhariepZutari Tierpoort

Thank you.  
18th July confirmed.  
Time please.Toms Pkace Rendezvous.  
Regards  
Dr GF Heyns

On Fri, 12 Jul 2024, 09:52 Marianna Taljaard, <[Marianna.Taljaard@zutari.com](mailto:Marianna.Taljaard@zutari.com)> wrote:

Dear Dr Heyns

Thank you for your email.

Zutari is appointed by the Department of Water and Sanitation (DWS) and need to keep to the contractual terms of that appointment.

The specialists appointed are registered professionals (SACNASP) and they fulfil the protocols and requirements according to the National Environmental Management Act (NEMA), also in terms of being independent and assessing the impacts of the overall project (e.g. the independence of a specialist could be compromised if seen to represent the interest of a specific Interested and Affected Party).

The specialist team is highly experienced in their respective fields, and we stand by their findings. Any additional studies/inputs commissioned by private individuals to contribute to their position, and inform their comments submitted on the project, would be for their own information and benefit.

As such, in order to comply with our contractual terms whilst maintaining our independence, we are not at liberty to agree to ad hoc payment requests for additional specialists nominated by Interested and Affected Parties.

We trust that you will understand the above and look forward to your confirmation whether you wish to proceed with the meeting on 18 July.

Kind Regards

**Marianna Taljaard**

PROJECT ADMINISTRATOR, ENVIRONMENT AND PLANNING | ZUTARI

---

**M** +27-44-805 5410 **E** [Marianna.Taljaard@zutari.com](mailto:Marianna.Taljaard@zutari.com) **W** [zutari.com](http://zutari.com)

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---

**From:** Dr GF Heyns <[geofreheyms007@gmail.com](mailto:geofreheyms007@gmail.com)>

**Sent:** Thursday, July 11, 2024 6:36 PM

**To:** Veld/Landboukonsultant Louis du Pisani <[Ldupisani@gmail.com](mailto:Ldupisani@gmail.com)>; Xhariep <[xhariep@zutari.com](mailto:xhariep@zutari.com)>; Marianna Taljaard <[Marianna.Taljaard@zutari.com](mailto:Marianna.Taljaard@zutari.com)>; Corlie Steyn <[Corlie.Steyn@zutari.com](mailto:Corlie.Steyn@zutari.com)>

**Cc:** Landbou Tierpoort <[landbou.tierpoort@gmail.com](mailto:landbou.tierpoort@gmail.com)>; Blackie Swart <[wolvekop2858@gmail.com](mailto:wolvekop2858@gmail.com)>

**Subject:** Fwd: FW: XhariepZutari Tierpoort

Dear me Taljaardt, Steyn and messrs Zutari and Dr Louis Du Pisani.

The date of 18th July 2024 will be most suitable to meet your team at Tierpoort. The expert opinion of Dr Louis Du Pisani; Specialist Environmentalist, Agricultural Economist and Ecological Farming Expert with more than twenty seven of the similar magnitude impact studies was obtained by me recently on site. Thus rendering all parties a win-win/objective and effective opportunity for discussion purposes.

I kindly request Zutari to pay for his professional fees and travel cost. He will also be present on the 18th of July. He is travelling from the Eastern Free State for our meeting and we rely on you to find it in good order.

Please forward us your expected time of arrival at rendezvous "Tom's Place" next to Tierpoortdam service station. We look forward to hearing from you for confirmation.

Kind regards

Yours sincerely

Dr GF Heyns

Dr Louis Du Pisani

----- Forwarded message -----

**From:** Marianna Taljaard <[Marianna.Taljaard@zutari.com](mailto:Marianna.Taljaard@zutari.com)>

**Date:** Thu, 11 Jul 2024, 14:01

**Subject:** RE: FW: XhariepZutari Tierpoort

**To:** Dr GF Heyns <[geofreheyms007@gmail.com](mailto:geofreheyms007@gmail.com)>

**Cc:** Corlie Steyn <[Corlie.Steyn@zutari.com](mailto:Corlie.Steyn@zutari.com)>



Dear Dr Heyns

Thank you for your email.

If you could provide me with the preferred date as soon as possible and a time and place where to meet. We would really appreciate it, as the specialists need to make their necessary travel arrangements.

Kind Regards

**Marianna Taljaard**

PROJECT ADMINISTRATOR, ENVIRONMENT AND PLANNING | ZUTARI

M +27-44-805 5410 E [Marianna.Taljaard@zutari.com](mailto:Marianna.Taljaard@zutari.com) W [zutari.com](http://zutari.com)

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---

**From:** Dr GF Heyns <[geofreheyms007@gmail.com](mailto:geofreheyms007@gmail.com)>  
**Sent:** Thursday, July 11, 2024 1:50 PM  
**To:** Marianna Taljaard <[Marianna.Taljaard@zutari.com](mailto:Marianna.Taljaard@zutari.com)>  
**Cc:** Corlie Steyn <[Corlie.Steyn@zutari.com](mailto:Corlie.Steyn@zutari.com)>  
**Subject:** Re: FW: XhariepZutari Tierpoort

Thank you, I will let you know.

On Thu, 11 Jul 2024, 09:37 Marianna Taljaard, <[Marianna.Taljaard@zutari.com](mailto:Marianna.Taljaard@zutari.com)> wrote:

Good Morning Dr. Heyns,

Trust this mail finds you well.

I've tried to contact you telephonically yesterday afternoon @ 15:06 and this morning @ 09:17 to confirm availability for the on-site meeting but was unsuccessful. Please see snippets below as proof.

As per your request below, our team would be able to meet with you on either the 17<sup>th</sup> or 18<sup>th</sup> of July 2024.

Please advise which date would be best suitable, and time.

Kind Regards

**Marianna Taljaard**

PROJECT ADMINISTRATOR, ENVIRONMENT AND PLANNING | ZUTARI

**M** +27-44-805 5410 **E** [Marianna.Taljaard@zutari.com](mailto:Marianna.Taljaard@zutari.com) **W** [zutari.com](http://zutari.com)

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---

**From:** Dr GF Heyns <[geofreheyns007@gmail.com](mailto:geofreheyns007@gmail.com)>

**Sent:** Monday, July 8, 2024 4:17 PM

**To:** Marianna Taljaard <[Marianna.Taljaard@zutari.com](mailto:Marianna.Taljaard@zutari.com)>; Xhariep <[xhariep@zutari.com](mailto:xhariep@zutari.com)>

**Subject:** Re: FW: XhariepZutari Tierpoort

Thank You me Taljaard and Mr Kleynhans.

I deem it still of importance to meet you or hydrogeologist or both parties, on mentioned areas of our concern.

I look forward to meet you in person in area mentioned "Tierpoort."

Kindly consider and let me know.

Regards

Dr GF Heyns

On Mon, 08 Jul 2024, 16:11 Dr GF Heyns, <[geofreheyns007@gmail.com](mailto:geofreheyns007@gmail.com)> wrote:

Beste Dr Louis

Eerstens baie dankie vir u tyd en insette ter insae.

Ek het opregte en hoë waardering.

Ek heg die jongste korrespondensie( deser) van Zutari aan.

Mooi en veilig reig.

Geofré Heyns

----- Forwarded message -----

From: **Marianna Taljaard** <[Marianna.Taljaard@zutari.com](mailto:Marianna.Taljaard@zutari.com)>

Date: Mon, 08 Jul 2024, 12:56

Subject: FW: XhariepZutari Tierpoort

To: [geofreheyms007@gmail.com](mailto:geofreheyms007@gmail.com) <[geofreheyms007@gmail.com](mailto:geofreheyms007@gmail.com)>

Cc: Corlie Steyn <[Corlie.Steyn@zutari.com](mailto:Corlie.Steyn@zutari.com)>, Van Jaarsveld Sanet <[VanJaarsveldS@dws.gov.za](mailto:VanJaarsveldS@dws.gov.za)>, [johannes@setalaenvironmental.co.za](mailto:johannes@setalaenvironmental.co.za) <[johannes@setalaenvironmental.co.za](mailto:johannes@setalaenvironmental.co.za)>, [darius@dprecologists.co.za](mailto:darius@dprecologists.co.za) <[darius@dprecologists.co.za](mailto:darius@dprecologists.co.za)>, john.gribble <[john.gribble@terramarearchaeology.com](mailto:john.gribble@terramarearchaeology.com)>

Good Day Dr. Heyns,

Trust this mail finds you well.

Please see attached response from the project team in reference to your email dated 03 July 2024.

Kind Regards

**Marianna Taljaard**

PROJECT ADMINISTRATOR, ENVIRONMENT AND PLANNING | ZUTARI

M +27-44-8055410 E [Marianna.Taljaard@zutari.com](mailto:Marianna.Taljaard@zutari.com) W [zutari.com](http://zutari.com)

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**From:** Dr GF Heyns <[geofreheyms007@gmail.com](mailto:geofreheyms007@gmail.com)>

**Sent:** Wednesday, July 3, 2024 2:04 PM

**To:** Marianna Taljaard <[Marianna.Taljaard@zutari.com](mailto:Marianna.Taljaard@zutari.com)>

**Subject:** XhariepZutari Tierpoort

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2.The servitude on western zone N1

3.High Accident Zone N1

4.My concern on 4 marshes/springs/wetlands not attended to my opinion; is received to be attended.

Regards

Dr Geofré Heyns



## Marianna Taljaard

---

**From:** phwessels <phwessels@mweb.co.za>  
**Sent:** Thursday, 20 June 2024 07:16  
**To:** Xhariep  
**Subject:** GARIEP-MANGAUNG WATER PIPELINE  
**Attachments:** doc17544920240620070404.pdf

You don't often get email from phwessels@mweb.co.za. [Learn why this is important](#)

Good day,

May I please register my comment/complaint with the attached sized document?

May I also humbly request that you send me confirmation of receipt, please?

I thank you in advance!

Paul Wessels

Prof PH Wessels  
Krapfontein Farm  
Tierpoort  
BLOEMFONTEIN  
Cell no: 082 5692 131

Sent from my Galaxy

----- Original message -----

From: scan@femspes.co.za  
Date: 20/06/2024 07:04 (GMT+02:00)  
To: phwessels@mweb.co.za  
Subject:

-----  
FS-1135MFP  
[00:c0:ee:9d:8c:c5]  
-----

# *Saamspan Trust*

*BTW Nr. IT1388/97 4220177358*

*Eienaar: Prof PH Wessels*

Posbus 28732  
**DANHOF**  
9310

Tel: 0825692131  
Faks: 051-4368268  
e-Pos: [phwessels@mweb.co.za](mailto:phwessels@mweb.co.za)

---

## **TO WHOM IT MAY CONCERN**

Dear Zutari / Mr Werner Griesel,

I, Paul Hendrik Wessels, forward my objection to the draft model as presented on 11 June, 2024 at Trompsburg. The presentation by Mr Stephen Kleynhans was well executed and valuable. Attendees were also allowed to ask questions. I do however want to express my concerns in this regard. I represent Saamspan Trust and different farms under its control and management. These farms are directly or indirectly influenced by Schemes 1, 1B and 4. This land was acquired in 1997. Early 1988, following severe floods, a wetland moratorium was placed to prevent reconstruction of broken dam walls and weirs in order to allow the revival of natural wetlands. This had a direct influence on the value of land in the area. In the following three decades, natural springs and marshes recovered naturally. The proposed mainline water scheme 1, 1B and 4 will traverse these wetlands and marshes on my farm in a number of places. These marshes are not indicated or considered in the proposed draft as presented on 11 June 2024. The implementation plan and the time allowed for recovery span over a period of 20 years, leaving my farming enterprise with a potential lack of natural water, which will undoubtedly lead to devaluation of the farms. I introduced solar and wind energy on my farm, some 25 years ago and the proposed water lines will divide this system, leading to the reservoirs and balancing

dams becoming obsolete. Two different title deeds are influenced by this proposal. Another point of concern is the influence on the farm Krapfontein, one of the ONLY farmsteads in the Central Free State NOT to be burned down during the Anglo Boer War (1899-1902). Construction of this magnitude and the effect on nature, natural indigenous trees (specifically on the proposed side of the S299 Road) and the landscape will undoubtedly have a severely negative effect on this precious farm. Currently there are NO Eskom Power lines, telephone lines, Cell Phone Towers or quarries on the farm! By taking this in consideration, it is urgently requested that exact route of the pipeline be reconsidered.

I therefor object and register myself with the accompanying contact details:

I kindly request your favourable consideration, specifically to personal direction which I am willing to supply on site.

Yours sincerely,



Prof PH Wessels

ID:550430 5029 080

20 June 2024

---

## Marianna Taljaard

---

**From:** Xhariep  
**Sent:** Friday, 28 June 2024 09:59  
**To:** phwessels; Xhariep  
**Cc:** vanjaarsvelds@dws.gov.za; mngumom@dws.gov.za; john.gribble; darius@dprecologists.co.za; johannes@setalaenvironmental.co.za; Corlie Steyn; Stephan Kleynhans; Frankie A'Bear; Wynand Loftus  
**Subject:** RE: GARIEP-MANGAUNG WATER PIPELINE  
**Attachments:** doc17544920240620070404.pdf; Letter to Prof Wessels Saamspan Trust \_ Zutari Project Team \_ Final - Signed.pdf

Good Morning Prof. Wessels,

Trust this mail finds you well.

Please see attached response from the project team in reference to your letter attached and email below dated 20 June 2024.

Kind Regards

**Marianna Taljaard**

PROJECT ADMINISTRATOR, ENVIRONMENT AND PLANNING | ZUTARI

---

**M** +27-74-0532214 **E** [Marianna.Taljaard@zutari.com](mailto:Marianna.Taljaard@zutari.com) **W** [zutari.com](http://zutari.com)

DISCLAIMER

---

**From:** phwessels <[phwessels@mweb.co.za](mailto:phwessels@mweb.co.za)>  
**Sent:** Thursday, June 20, 2024 7:16 AM  
**To:** Xhariep <[xhariep@zutari.com](mailto:xhariep@zutari.com)>  
**Subject:** GARIEP-MANGAUNG WATER PIPELINE

You don't often get email from [phwessels@mweb.co.za](mailto:phwessels@mweb.co.za). [Learn why this is important](#)

Good day,

May I please register my comment/complaint with the attached sized document?

May I also humbly request that you send me confirmation of receipt, please?

I thank you in advance!

Paul Wessels

Prof PH Wessels  
Krapfontein Farm  
Tierpoort  
BLOEMFONTEIN  
Cell no: 082 5692 131



Sent from my Galaxy

----- Original message -----

From: [scan@femspes.co.za](mailto:scan@femspes.co.za)

Date: 20/06/2024 07:04 (GMT+02:00)

To: [phwessels@mweb.co.za](mailto:phwessels@mweb.co.za)

Subject:

-----  
FS-1135MFP

[00:c0:ee:9d:8c:c5]  
-----

27 June 2024

Prof PH Wessels  
Post Box 28732  
DANHOF  
BLOEMFONTEIN-DISTRICT, 9301  
Tell. no: 082 569 2131  
Email: phwessels@mweb.co.za

Dear Prof Wessels

**Greater Mangaung Water Augmentation Project: Xhariep Pipeline (Scheme 1B), Mangaung Metropolitan Municipality, Free State**

Your letter dated 20 June 2024 has reference.

Zutari notes that you are representing Saamspan Trust. According to our information the affected farms are:

- Krapfontein 2720 Portion 0
- Krapfontein 2720 Portion 2

It is noted that these farms were acquired in 1997 whereafter severe flooding events impacted the land. A moratorium period followed the flooding events to allow for the natural restoration of the wetlands over the said period which according to your letter resulted in a devaluation of the land at the time. Thereafter approximately 30 years (3 decades) followed and allowed for natural springs and marches to recover.

The following aspects have been raised.

**1. Wetlands:**

Your letter states that the proposed Xhariep Pipeline Project Scheme 1, 1B and 4 (the Xhariep pipeline project) will traverse these wetlands and marches in several places. It is noted by you that these wetlands and marches are not indicated or confirmed in the project proposal.

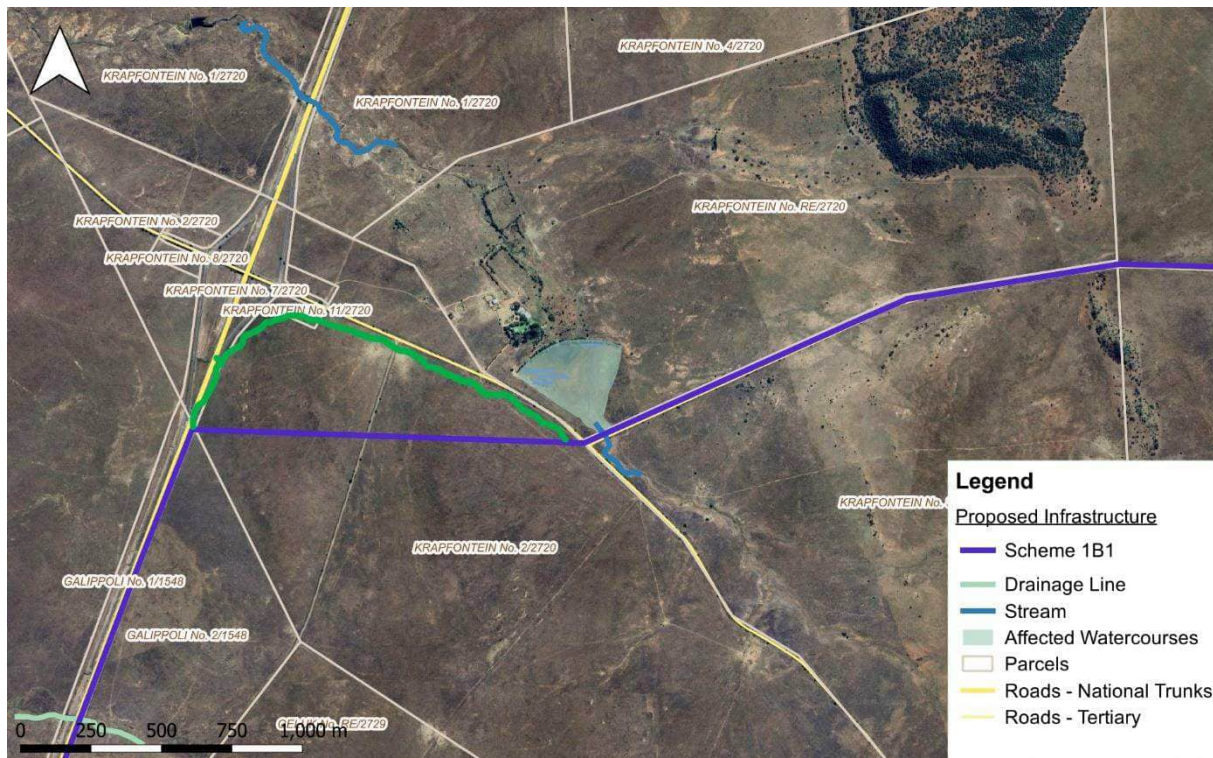
On 11 June 2024 during the engagement meeting Zutari provided assurance that the said wetlands and marches were indeed part of the proposal, that the wetlands have been delineated by the various specialists and that mitigation measures in this regard have been captured in the Environmental Management Plan (EMPr). The EMPr will form part of the environmental authorisation should this be granted by the competent authority namely the Department of Forestry, Fisheries and the Environment (DFFE).

Upon receiving your letter Zutari also obtained further comment from the various independent specialists for their specialist input in the matters raised. Please refer to the attached Annexure 1 (Memorandum) for the verbatim input from (i) Biodiversity and (ii) the Freshwater Specialist regarding the wetlands and marches.

Zutari considered the input from the specialists and yourself and proposed to accommodate you with the amended route to follow the N1 as shown by the green line on the image below. The impact would be less on the mentioned wetland and marches. For the pipeline route to follow existing infrastructure,



is generally preferable from a disruption and maintenance perspective. It will, however, be more expensive due to the longer pipeline route, hence the original alignment.



## 2. Devaluation:

Your letter states that that the proposed Xhariep pipeline project will leave your farming enterprise with a lack of natural water which will lead to devaluation of the farms. Please refer to Annexure 1 in reference to the matter addressing the lack of natural water.

Furthermore, please note Zutari's appointment is for the detailed feasibility phase of the project, whereafter DWS will appoint a professional service provider to undertake the detailed design and construction supervision. However, in terms of engagements between landowners and DWS, the following processes are likely to be followed:

- The Sub Directorate: Land Rights Administration (LRA) is the unit within the Department of Water and Sanitation (DWS) responsible for all land-related matters nationwide. The LRA unit is situated in Pretoria.
- After a detailed feasibility phase is approved, an instruction is given to the LRA by the DWS Project Manager to acquire the land and servitudes needed for the project. The LRA will then obtain approval from the Minister of Water and Sanitation to engage affected landowners regarding the procurement of land and registration of servitudes. Once approval is granted, the LRA will appoint a professional registered valuer (at the project's cost), and a public meeting will be arranged, typically through an appointed social facilitator, with all affected owners/persons.
- At the meeting, the LRA and the appointed valuer will explain the acquisition and valuation processes. Following this meeting, one-on-one meetings will be held with all affected owners to further detail the processes. The valuer will then visit each affected owner on-site to conduct the valuation of the servitude or land affected by the project.
- During these one-on-one engagements, landowners will have the opportunity to raise conditions they may want to propose as part of the Agreement to be concluded between DWS and the landowner. Each condition/request will be evaluated based on merit before being agreed to.

- After conducting market research and completing other necessary steps, the valuer will compile a valuation report for each owner and submit it to the LRA, which will handle the compensation as recommended by the valuer.

### 3. Heritage building on Farm Krapfontein

Your letter states that that the proposed Xhariep pipeline project will have a detrimental impact on farm in reference to Heriatge and cultural value as well as the indigenous trees along S299 Road. Please refer to the attached Annexure 1 for the verbatim input from the (iii) Heritage Specialist.

Furthermore, please also refer to the EMPr (Annexure G) of the draft BAR. The EMPr details the information of the role players (Developer, Site Engineer, Environmental Site Agent, Record keeping) as well as safety and mitigation measures specifically aimed at the Heritage component.

The following methodology will be followed during the installation of the pipeline:


- The pipeline route will be set out with markers by the contractor, whereafter the engineer and landowner will verify that the alignment is as per the approved design;
- The contractor will erect a temporary fence on the edge of the working area (typically a width of  $\pm 50\text{m}$  from the existing fence line on the edge of the road). This fence is to protect people and animals from entering the working area or falling into the pipe trench;
- The maximum length of open trench will be limited to 300m;
- Once the trench is backfilled, the completed work will be inspected by the engineer, whereafter the landowner will be asked to confirm that he/she is happy. Any further remedial work will be undertaken immediately by the contractor until the site has been reinstated to the same condition as prior to the commencement of construction; and
- An Environmental Control Officer (ECO) will be appointed to oversee that the construction activities are taking place in accordance with the EMPr. The ECO must submit monthly audit reports to DFFE (the competent authority) who will have the right to suspend the work if deemed necessary. The ECO must also maintain a complaint register, which must be submitted monthly to DFFE.

### 4. Eskom and power supply

It is mentioned in your letter that that there is currently no Eskom power, telephone lines or cell towers on the farm. Eskom confirmed that their network can accommodate the Xhariep pipeline project's power supply requirements and that in time an application will be done by the relevant applicant and any possible interference will be dealt with during that process.

Should you want to discuss any additional measures you are welcome to contact Zutari in this regard so that it can be negotiated with the client for inclusion in the environmental authorisation and construction documentation.

Yours faithfully

Stephan Kleynhans  
  
Signed by Stephan Kleynhans,  
stephan.kleynhans@cofnet.com

Stephan Kleynhans  
Design Director

#### Copies:

[vanjaarsvelds@dws.gov.za](mailto:vanjaarsvelds@dws.gov.za)  
[johannes@setalaenvironmental.co.za](mailto:johannes@setalaenvironmental.co.za)  
[darius@dprecologists.co.za](mailto:darius@dprecologists.co.za)  
[john.gribble@terramarearchaeology.com](mailto:john.gribble@terramarearchaeology.com)



# Memorandum

|                |  |                                    |                |
|----------------|--|------------------------------------|----------------|
| <b>To</b>      | <b>Setlala Environmental, DPR Ecologists &amp; Environmental Services and Terramare Archaeology</b>  | <b>From</b>                        | <b>Zutari</b>  |
| <b>Purpose</b> | <b>To obtain input from the independent specialist in reference to matters raised by Saamspan Trust regarding the Xhariep pipeline project</b> | <b>Reference</b>                   | <b>1002533</b> |
| <b>Date</b>    | <b>2024-06-24</b>  | <b>Pages (including this page)</b> | <b>5</b>       |
| <b>Subject</b> | <b>Saamspan Trust (Letter dated 20 June 2024)</b>  |                                    |                |

## (i) Independent Biodiversity Specialist: Setala Environmental (Verbatim)

Firstly, thank you for taking the time to detail your queries and concerns regarding the pipeline project. As hopefully noted from the ecological studies, the protection and avoidance of all watercourses as far as possible, including wetlands, is a priority. However, having said that, it is difficult to be able to demarcate and avoid all wetlands and drainage lines across the entire length of the project especially small seasonal ones, but most of the significant and distinctive watercourses have been highlighted. The project is still in the initial feasibility stage and more fine-tuning will be done as the project progresses.

The specialist studies do put forward a number of mitigating measures in an effort to reduce the potential negative impacts the project may have on watercourses, as well as other natural habitats and sensitive areas. These mitigating measures will become part of the actual conditions of environmental authorisations and other environmental management plans that must be implemented and monitored during the construction and operational phases of the project. Hereby, checks and balances are put in place to ensure levels of protection, avoidance and reduction in negative impacts on the natural environment.

A water pipeline has a small, linear footprint that has minimal overall negative impact on the natural environment. For the most part the pipeline is going to be buried and the surface area will quickly recover to preconstruction levels and will not even be visible after a short period of time. During the construction phase special attention will be given to watercourse areas. Buffer zones and regulated zones have been demarcated. This means that there will be restricted and controlled access into these areas to limit negative impacts. The pipeline design in the area of watercourses (streams, rivers wetlands) will be given special attention, which may include the depth at which the pipe is buried. This is important to limit and avoid the pipe from impeding and impounding the surface flow and sub-surface flow of groundwater that is important for the maintenance of wetlands. Having worked on numerous pipeline projects across wetland areas, such as in the Mpumalanga Highveld and Free State, I would like to assure concerned landowners that a pipeline of this nature will have negligible to no negative impacts on the movement of surface stormwater and groundwater into wetlands and rivers. Mitigating measures and conditions put

forward prohibit the impeding and impounding of water flow. It is also a condition that the water presently feeding into a specific wetland, stream or river may not be diverted away and must still enter into those systems. In other words, after design and construction the wetlands of concern will still be adequately fed and sustained from 'upstream' surface and sub-surface stormwater flow. It is important that in these wetland areas the engineers ensure designs are implemented to ensure free flow and movement of stormwater. In other words, no large soil embankments / mounds may be constructed in these areas that will directly and clearly impeded water from feeding into and sustain existing natural wetlands. It has been shown that the sub-surface water moving through an area will easily bypass a buried pipe and still move in the original downstream direction.

The comments from the Saamspan Trust mention a 20-year recover time period. In terms of the pipeline the recovery will be within one to two seasons. In other words, regrowth of surface grass will recover within the first season and by the second season minimal to no surface trace of the pipeline should be visible, if construction and rehabilitation processes have been properly followed. It is also for this reason that independent Environmental Control Offices (ECOs) will be assigned to the project to monitor and ensure full compliance.

I can assure the concerned landowners that the project will definitely not lead to a lack of natural water as presently found on the farms and watercourses. Once again please note that the nature of the project is such that it will have negligible to no negative impact on the aquatic environment, and most if not all water presently flowing into streams, rivers, wetlands and farm dams will be maintained and not impacted. It should be noted that the initial pipeline servitudes are mostly along existing roads. This has been done in an effort to avoid farming areas and other natural grasslands and koppies (rocky outcrops). This further limits additional negative impacts on natural grasslands and wetlands. In the area of some of the farms the pipeline does cut across open grassland. It might be an option to consider moving some of this pipeline to follow existing roads.

There are minimal indigenous trees along the pipeline route, being mostly within a grassland ecosystem. Where trees have been encountered, especially protected trees such as wild olive trees, these have been noted and mitigating measures recommended to avoid them as far as possible, and if not, to offset them by planting additional trees. However, no protected trees were observed in the open grassland areas. In the case of historical farm boundaries and homesteads where large, old gum trees (in particular) are standing additional fine-tuning and measures should be put in place to protect these as well. During further progress and fine-tuning of the project these trees, such as mentioned in the comments from the Saamspan Trust, should be highlighted and protected as far as possible.

In summary:

- The pipeline will not result in the loss of natural wetlands, rivers and other watercourses as presently found along the route.
- Further identification and demarcation of wetlands, etc. as mentioned in comments should be undertaken to address the concerns of landowners.
- Special attention will be given in the final designs, layouts and routes to ensure that water feeding into existing wetlands will not be compromised, hereby ensuring their present ecological state and integrity. Please note, that this is also a central issue of the Department of Water & Sanitation (DWS) with such projects.
- The recovery rate of disturbed areas along the pipeline route will be one to two seasons at most and definitely not 20 years.
- The negative effect on the natural environment by the pipeline will be negligible, especially if it is buried and site-specific rehabilitation is implemented. There will be negligible to no visible negative impact either.

I trust that this addresses the queries and concerns as received.

**(ii) Independent Freshwater Specialist: DPR Ecologists & Environmental Services**  
**(Verbatim)**

I have reviewed the comments as received with regard to affected wetlands. You can consider the following comments and recommendations which can be taken into consideration regarding likely impacts and mitigation.

Wetland systems as indicated has been subjected to comprehensive assessment and already included in the wetland assessment (dated March 2024).

These wetlands have been listed as follows:

- #40 Holsloot – Tributary of Tierpoort River (Page 122 of report).
- #41 Channelled valley-bottom wetland – Tributary of Holsloot (Page 124 of report).
- #42 Channelled valley-bottom wetland – Tributary of Holsloot (Page 126 of report).
- #43 Stream and floodplain wetland – Tributary of Tierpoort River (Page 128 of report) – Additional assessment also included (refer to page 52).

A description of each of these affected wetlands have also been provided which indicates that they are all significant systems with extensive wetland conditions. They are also still largely intact though impacts affecting them are significant and include several artificial impoundments (Farm dams) and existing road crossings (N1 as well as gravel road). These are however still regarded as important systems and accordingly the risk matrix indicates a Moderate Risk which will require significant mitigation in order to ensure that the proposed pipeline construction does not adversely affect them. Most important will be to ensure that these systems maintain flow during construction and that adequate and comprehensive rehabilitation is implemented.

The following has been included within our assessment and will also be most relevant to these wetland areas as indicated (Also refer to page 163 of the report):

- The disturbance caused by construction will cause susceptible conditions for further establishment of exotics. It is therefore recommended that weed eradication be initiated at the construction site prior to construction and continued until rehabilitation of the pipeline route has been completed.
- When excavating through wetlands and watercourses, the upper 30 cm, or topsoil, should be removed together with the vegetation and stored as sods on the site. These should then be replaced on top of the installed pipeline. Subsoil should be used as backfilling and not as top dressing. Only removed sods and topsoil should be utilised to rehabilitate the bed and bank surface.
- The soil surface should also be re-instated to the virgin soil level and not depressed or elevated as this will promote erosion and cause flow barriers.
- Installation of the pipeline through wetlands and watercourses should preferably be undertaken during the winter months (July to September) when baseflow will be at its lowest level.
- Impacts will persist until adequate rehabilitation of the construction area has been completed. This should include rehabilitation of the soil surface, including re-instating the natural surface, including areas affected by vehicle trampling and tracks, scarifying compacted soil surfaces and the monitoring and eradication of exotic weeds until a competitive indigenous vegetation layer has been able to re-establish.
- Where trenches are being excavated through wetlands and watercourses this should preferably be done during the winter months when flooding is unlikely to take place. Where this is not possible and the main channel experiences active connected flow, only half of the channel should be blocked off for construction whilst the remaining half is allowed to maintain flow. This will still result in some impacts but will be much less than blocking the whole watercourse. Blocking of half of the watercourse is often done by constructing a berm and diverting the flow into the remaining half of the channel. This causes concentration of flow

which in turn may increase erosion. In such instances, the use of attenuation ponds or similar should be implemented, this will also be relevant where any dewatering of construction sites area required, i.e. water should be pumped into attenuation ponds, sediments allowed to settle and with water seeping back into the system.

- Monitoring of construction and compliance with recommended mitigation measures must take place and should include biomonitoring of wetlands by using the WET-Health 2 indices while watercourses should be monitored by using the Index of Habitat Integrity indices.

As indicated, though these affected wetlands are all important and sensitive systems and while concerns raised are valid, the following should also be considered:

- At the four indicated wetlands (#40, 41, 42, 43) which will be affected by the pipeline crossing, the existing N1 National Road and gravel road already cross over these system and therefore existing, similar impacts are already present, i.e. the pipeline will not entail a new impact.
- Similar bulk pipeline developments are common and has reliably shown that as long as adequate rehabilitation is undertaken, these pipeline crossings do not result in any long-term modification of wetlands, wetland vegetation is able to re-establish within a relatively short period (within 2-5 years) and no significant above-ground evidence of these pipelines remain visible.
- Belowground pipeline construction entails a temporary impact and the wetlands will only be affected for a short period during construction with complete rehabilitation occurring within 2-5 years after construction.
- Because pipelines are linear developments, it is not possible to completely avoid crossing of wetland systems and this is an inevitable impact which remains unavoidable. These wetlands will therefore have to be crossed somewhere and the indicated locations adjacent to the N1 National Road and gravel road will therefore be more suitable (existing road crossings are already present).
- If mitigation as indicated are implemented, especially in respect to maintaining adequate flow (see point 8 above), then downstream sections of these wetlands will not be affected to a significant extent in terms of flow regime. In other words, downstream sections will maintain functionality as they will continue receiving inflow from the upstream areas.

Hopefully this will provide some clarity on the anticipated impacts on these wetlands. They have been subjected to comprehensive assessment and should indicate how and to what degree the pipeline will affect these wetlands.

Please let me know if you require any more information or have any additional questions.

**(iii) Independent Heritage Specialist: Terramare Archaeology (Verbatim)**

Thank you for forwarding me the comment from Prof Wessels.

My response below relates to the second point he makes: that regarding potential impacts from the project to the farm Krapfontein. In responding, I have assumed that the farm portions being referred to are Re 2720 and Portion 2 of 2720 Krapfontein.

I note that Prof Wessels is concerned about the magnitude of the construction work and its effects on nature, indigenous trees along the S299 and on the landscape. I cannot comment on the natural environment impacts or on the possible impacts to the trees dotted along the S299 but can respond on the landscape question.

The farm complex on Re 2720, which I assume is the one referred to by Prof Wessels as having survived the Anglo-Boer War, is situated more than 400m at its closest point from the proposed alignment of the pipeline and is largely screened by trees. Although there may be visual impacts within the landscape during the installation of the pipeline (the presence of machinery, vehicles, people and the pipe trench,

for example), the fact that the pipe will be a buried feature means that once the area has been rehabilitated post-installation, there should be few to no long-term or continuing visual impacts in or on the landscape. There will certainly be no direct impacts arising from the project as proposed to the farm complex itself.

With respect to other heritage resources in proximity to the pipeline route on Krapfontein, we noted no obvious cultural heritage resources on either land parcel in proximity to the proposed pipeline route during our site visit.

Best regards





## Marianna Taljaard

---

**From:** Jack Morton <fslanduse@gmail.com>  
**Sent:** Thursday, 20 June 2024 12:05  
**To:** Xhariep; Marianna Taljaard  
**Subject:** XHARIEP WATER PIPELINE  
**Attachments:** PPP \_ Registration and Comment Form - Xhariep Pipeline.pdf

Some people who received this message don't often get email from fslanduse@gmail.com. [Learn why this is important](#)

Afternoon,  
Please find attached the completed form as requested.

--

**Regards**

**Jack Morton**

**Land Use Management**

Department of Agriculture & Rural Development

Private Bag X02

BLOEMFONTEIN

9300

Email: [fslanduse@gmail.com](mailto:fslanduse@gmail.com)

Cell: +27 (0)60 523 8915

## Registration and Comment Form:

### Greater Mangaung Water Augmentation Project: Xhariep Pipeline, Mangaung Metropolitan Municipality, Free State

|                              |  |             |         |              |
|------------------------------|--|-------------|---------|--------------|
| TITLE                        | Mr   | FIRST NAME  | Jack    |              |
| INITIALS                     | JAS  | SURNAME     | Morton  |              |
| ORGANISATION                 | Department of Agriculture & Rural Development - Free State |             |         |              |
| YOUR INTEREST IN THE PROJECT | (Please indicate whether for the BAR, the WULA, or both)   |             |         |              |
|                              | BAR  |             |         |              |
| POSTAL & PHYSICAL ADDRESS    | LandCare Building, Glen College of Agriculture, GLEN       |             |         |              |
|                              |  | POSTAL CODE |         |              |
| LANDLINE TEL NO              | 060 523 8915   |             | CELL NO | 060 523 8915 |
| EMAIL ADDRESS                | fslanduse@gmail.com  |             |         |              |

**COMMENTS** (please use separate sheets if you wish)

|  |
|--|
| Protection of Arable land and High Potential Agricultural land |
| Controlling of any invader plants and bush encroachment        |
| Controlling of erosion   |
|  |
|  |
|  |
|  |
|  |

### THANK YOU FOR YOUR PARTICIPATION

Zutari places a high premium on the privacy & personal information of our stakeholders. The processing of personal information is subject to the Protection of Personal Information Act (POPIA), Act No. 4 of 2013.

As a responsible party, Zutari is entrusted with the personal information of many stakeholders such as yourself, potential clients, staff and service providers and we are therefore obligated to process this information in line with the law.

## Marianna Taljaard

---

**From:** Corlie Steyn  
**Sent:** Thursday, 20 June 2024 14:44  
**To:** fslanduse@gmail.com  
**Cc:** Marianna Taljaard; Xhariep  
**Subject:** Department of Agriculture & Rural Development - Free State  
**Attachments:** Ann G - Draft EMPr\_Final.pdf

Dear Mr Morton,

Thank you for your email and your registration form.

Zutari has registered you on the I&AP list.

Please note that the attached EMPr (which is annexure G to the draft BAR) addresses the 3 points you have noted:

- 1-Protection of Arable land and High Potential Agricultural land: **Section 5.1** - as per the mitigation measures obtained from the Agricultural Specialist,
- 2-Controlling of any invader plants and bush encroachment: **Section 4, Section 5.6 and Section 6.1 and Appendix D** Please also note that a final and formal Alien and Invasive Plant Management Plan will be developed by DWS, and
- 3-Controlling of erosion: **Section 4 and Section 6.2.1.**

Please do not hesitate to clarify any further questions.

Kind regards

**Corlie Steyn** *EAPASA.,MPhil, (Environmental Management)*

SENIOR CONSULTANT, ENVIRONMENT AND PLANNING | ZUTARI

---

E [Corlie.Steyn@zutari.com](mailto:Corlie.Steyn@zutari.com) W [zutari.com](http://zutari.com)



Zutari is a proud B-BBEE Level 1 contributor in South Africa.

DISCLAIMER

## Marianna Taljaard

**From:** Canny Mosebjadi Mothapo <MothapoC@caa.co.za>  
**Sent:** Thursday, 20 June 2024 11:29  
**To:** Xhariep; Corlie Steyn; Marianna Taljaard  
**Cc:** Aviation Environmental Compliance  
**Subject:** RE: XHARIEP WATER PIPELINE/ WATERPYPLYN: Notification/ Kennisgewing: Public Participation Process/Publieke Deelnameproses: DFFE Ref No/ Verw Nr: 14/12/16/3/3/1/2996

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Good morning,

Thank you for the EIA notification, may you kindly resend the attachments to [environment@caa.co.za](mailto:environment@caa.co.za) and also delist all other SACAA email addresses on your database. Kindly save and send your environmental impact analysis reports/meeting requests and request for comments to [environment@caa.co.za](mailto:environment@caa.co.za), going forward please.

Regards

**Canny Mothapo**  
**Database Coordinator**  
Procedure Design & Cartography, Air Navigation Services, Aviation Safety Infrastructure  
Cell: 011 545 1364 | Cell: 083 461 6292 | Email: [mothapoc@caa.co.za](mailto:mothapoc@caa.co.za) | [www.caa.co.za](http://www.caa.co.za)

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**From:** Xhariep <xhariep@zutari.com>  
**Sent:** Thursday, June 20, 2024 10:51 AM  
**To:** Corlie Steyn <Corlie.Steyn@zutari.com>; Marianna Taljaard <Marianna.Taljaard@zutari.com>  
**Subject:** FW: XHARIEP WATER PIPELINE/ WATERPYPLYN: Notification/ Kennisgewing: Public Participation Process/Publieke Deelnameproses: DFFE Ref No/ Verw Nr: 14/12/16/3/3/1/2996  
**Importance:** High

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Dear Identified, Interested and/or Affected Party

This is a reminder that the comment period for **The Draft Basic Environmental Assessment Report**, ends the 4<sup>th</sup> of July 2024.

Kind Regards

**Marianna Taljaard**

PROJECT ADMINISTRATOR, ENVIRONMENT AND PLANNING | ZUTARI

**M** +27-44-805 5410 **E** [Marianna.Taljaard@zutari.com](mailto:Marianna.Taljaard@zutari.com) **W** [zutari.com](http://zutari.com)

DISCLAIMER

**From:** Xhariep

**Sent:** Sunday, June 2, 2024 7:44 PM

**To:** Corlie Steyn <[Corlie.Steyn@zutari.com](mailto:Corlie.Steyn@zutari.com)>; Wynand Loftus <[Wynand.Loftus@zutari.com](mailto:Wynand.Loftus@zutari.com)>; Genie De Waal <[Genie.deWaal@zutari.com](mailto:Genie.deWaal@zutari.com)>

**Subject:** XHARIEP WATER PIPELINE/ WATERPYPLYN: Notification/ Kennisgewing: Public Participation Process/Publieke Deelnameproses: DFFE Ref No/ Verw Nr: 14/12/16/3/3/1/2996

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DWS is proposing to construct a potable water pipeline from the Gariep Dam wall, connecting to the existing bulk water distribution system for the Greater Bloemfontein Water Supply System (GBWSS). The proposed scheme will traverse the Xhariep District Municipality and the Kopanong Local Municipality, as well as the Mangaung Metropolitan Municipality. The project has three key (internal) stakeholders: (i) DWS Head Office (ii) Vaal Central Water Board, and (iii) Mangaung Metropolitan Municipality. The project falls into the ambit of Strategic Integrated Projects (SIPS) 18 and 19, namely Water and Sanitation Infrastructure. Zutari (Pty) Ltd are the independent environmental consultants who are undertaking the environmental authorisation and water use licence applications. The competent authority is the Department of Forestry, Fisheries and the Environment (DFFE). The proposed route is known as Scheme 1B and will be a potable water pipeline from Gariep Dam to Bloemfontein (mostly along the N1) and Botshabelo / Thaba Nchu, consisting of:

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|---|--|
| <b>Competent Authority – DFFE</b>   | <b>Competent Authority</b>   |
| <ul style="list-style-type: none"><li>• Listing Notice 1, Activity 9, 11, 12, 13, 14, 19 and 27 (Activities which require authorisation via a Basic Assessment)</li><li>• Listing Notice 3, Activity 4, 10 and 12 (Activities that are geographically bound and which require authorisation via a</li></ul> | <ul style="list-style-type: none"><li>• Section 21 (a): A</li><li>• Section 21 (b): S</li><li>• Section 21 (c): watercourse.</li><li>• Section 21 (i):</li></ul> |



**The draft Basic Environmental Assessment Report is available for comment for a period of 30 days, from the 3rd of June 2024 to the 4th of July 2024, at the following locations:**

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- ☐ Electronic copy at:  
<https://geoverse.zutari.com/portal/apps/experiencebuilder/experience/?id=2f48681c19a24836bcfc03da3c653c3a> or  
<https://www.dws.gov.za/projects.aspx>

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**If you wish to register as an Interested and Affected Party and/or submit comments or concerns, please do so in writing by either using the online registration and comment form at these links:**

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or by sending an email to [xhariep@zutari.com](mailto:xhariep@zutari.com)

If necessary, you may also register telephonically during office hours with Marianna Taljaard at +27-44-805-5410.

---

Geagte geïdentifiseerde Belanhebbende en/of Geïnterreseerde Party

Neem asseblief kennis dat Zutari (Edms) Bpk is deur die Departement Water en Sanitasie (DWS) aangestel om die omgewingsmagtigingsproses vir die Xhariep Pyplyn as deel van die Groter Mangaung Water Aanvullingskema, in terme van die Nasionale Wet op Omgewingsbestuur (WNOP, Wet Nr. 107 van 1998, soos gewysig), te onderneem, deur middel van 'n Basiese Invloedbepalingsproses (BIBP), ingevolge die 2014 Omgewingsinvloedbepalings (OIB) Regulasies, soos gewysig. 'n watergebruikslisensie aansoek (WA) in terme van die Nasionale Waterwet (Wet Nr. 36 van 1998) word ook gevolg (sien aangehegte Agtergrond Inligtingsdokument).

DWS beoog om 'n drinkwaterpyplyn wat deel vorm van 'n water aanvullingskema vanaf die Gariep Damwal, te bou. Die pyplyn sal 'n aansluitingspunt hê by die bestaande grootmaat waterspreidingsstelsel vir die Groter Bloemfontein Watervoorsieningsstelsel (GBWSS). Die voorgestelde skema deurkruis die Xhariep Distrikmunisipaliteit en die Kopanong Plaaslike Munisipaliteit, sowel as die Mangaung Metropolitaanse Munisipaliteit. Die projek bestaan uit drie sleutel (interne) belanghebbendes: (i) DWS Hoofkantoor (ii) Vaal Sentrale Waterraad, en (iii) Mangaung Metropolitaanse Munisipaliteit. Die projek val in die bestek van die Strategiese Geïntegreerde Projekte (SIPS) 18 en 19, naamlik Water en Sanitasie Infrastruktuur. Zutari (Edms) Bpk is die onafhanklike omgewingskonsultante wat die omgewingsmagtigings- en watergebruikslisensie aansoeke onderneem. Die Departement van Bosbou, Visserye en die Omgewing (DBVO) is die bevoegde owerheid wat die aansoek sal oorweeg. Die voorgestelde roete staan bekend as Skema 1B en sal 'n drinkwaterpypleiding wees vanaf die Gariep Dam tot by Bloemfontein (meestal langs die N1) en Botshabelo/ Thaba Nchu. Dit sal bestaan uit die volgende infrastruktuur:

- ☐ Aansluiting by bestaande pyplyn, stroomaf van die Gariep Dam
- ☐ 'n Lae-lig pompstasie by, of naby, die aansluiting met die Gariep Dam
- ☐ 'n Watersuiweringswerke (WTW) met 'n hoë-lig pompstasie
- ☐ 'n Bulk reservoir
- ☐ 'n Aanjaerpompstasie
- ☐ 'n Tweede bulk reservoir
- ☐ Die pyplynroete vanaf die Gariep Dam tot by die aansluitingspunte in Bloemfontein asook naby Rustfontein WTW (verskaf water aan Botshabelo / Thaba Nchu)

Die gelyste aktiwiteite in die regulasies van toepassing tot die projek is as volg:

| Nasionale Omgewingswet - BIBP<br>Bevoegde Owerheid: DBVO  | Nasionale Waterwet<br>Bevoegde Owerheid:   |
|---|--|
| <ul style="list-style-type: none"> <li>Lysingkennisgewing 1, Aktiwiteite 9, 11, 12, 13, 14, 19 en 27 (Aktiwiteite wat bemagtiging vereis deur middel van 'n Basiese Invloedbepalingsproses)</li> <li>Lysingkennisgewing 3, Aktiwiteite 4, 10 en 12 (Aktiwiteite wat geografies gebonde is en wat bemagtiging vereis deur</li> </ul> | <ul style="list-style-type: none"> <li>Gedeelte 21 (a):</li> <li>Gedeelte 21 (b):</li> <li>Gedeelte 21 (c):</li> <li>'n rivier.</li> <li>Gedeelte 21 (i):</li> </ul> |

Die Konsep Basiese Invloedbepalingsverslag (KIBV) is beskikbaar vir kommentaar vir 'n tydperk van 30 dae, vanaf 3 Junie 2024 tot 4 Julie 2024, by die onderstaande plekke:

- ☐ Harde kopieë by: Gariepdam Biblioteek - Patrysstraat 11; Edenburg Biblioteek - Kerkstraat 16; Trompsburg Biblioteek – Voortrekkerstraat 78; Lourierpark Biblioteek – Hoek van Doringklaat- & Nanabessiestrate, Lourierpark, Bloemfontein
- ☐ Elektroniese afskrif by:  
<https://geoverse.zutari.com/portal/apps/experiencebuilder/experience/?id=2f48681c19a24836bcfc03da3c653c3a> of  
<https://www.dws.gov.za/projects.aspx>

Kommentaar kan op die watergebruikslisensie aansoek gelewer word vir 'n periode van 60 dae, vanaf 3 Junie 2024 tot 5 Augustus 2024.

Indien u as 'n Belanghebbende en Geaffekteerde Party (B&GP) wil registreer en/ of kommentaar wil lewer, word u uitgenooi om dit asseblief skriftelik te doen, óf deur die gebruik van die aanlynregistrasie en kommentaarvorm as u ondergenoemde aanlynskakels volg:  
<https://survey123.arcgis.com/share/592a24050e154524b919d662e9a37b3e?portalUrl=https://geoverse.zutari.com/portal>



of per epos na [xhariep@zutari.com](mailto:xhariep@zutari.com)

Indien nodig, kan u ook binne kantoorure telefonies by Marianna Taljaard registreer, op +27-44-8055410.

**Genie De Waal** *ND Business Computing*

SENIOR CONSULTANT: PUBLIC PARTICIPATION | ZUTARI

E [Genie.deWaal@zutari.com](mailto:Genie.deWaal@zutari.com) W [zutari.com](http://zutari.com)



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## Marianna Taljaard

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**From:** Pamela Madondo <MadondoP@caa.co.za>  
**Sent:** Thursday, 20 June 2024 09:45  
**To:** Xhariep  
**Cc:** Nrateng Mashiloane  
**Subject:** RE: XHARIEP WATER PIPELINE/ WATERPYPLYN: Notification/ Kennisgewing: Public Participation Process/Publieke Deelnameproses: DFFE Ref No/ Verw Nr: 14/12/16/3/3/1/2996  
**Attachments:** SACAA Comments for Xhariep Water Pipeline.pdf

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Good day,

Kindly find attached comments for the South African Civil Aviation Authority on the proposed development of the Xhariep water pipeline.

Kind regards,

**Pamela Madondo**  
**Environment Compliance Specialist**  
**Aviation Environmental Protection**  
**Office:** +27115451034 | **Cell:** 0675971961 | **Email:** [MadondoP@caa.co.za](mailto:MadondoP@caa.co.za) | [www.caa.co.za](http://www.caa.co.za)

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The banner features the South African Civil Aviation Authority (SACAA) logo on the left, celebrating 25 years with the tagline 'Keeping you safe in the sky'. The central text reads 'Advocating for Aviation Safety Culture' with the slogan 'Fly responsibly. Fly safely. Your Actions Impact Lives.' Below this, a row of social media icons and links is provided: [www.caa.co.za](http://www.caa.co.za), [SACAA](#), [@OfficialSACAA](#), [OfficialSACAA](#), and [South African Civil Aviation Authority – SACAA](#). On the right, a hexagonal frame shows an airplane on a runway at night.

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**From:** Xhariep <[xhariep@zutari.com](mailto:xhariep@zutari.com)>  
**Sent:** Sunday, June 2, 2024 7:44 PM  
**To:** Corlie Steyn <[Corlie.Steyn@zutari.com](mailto:Corlie.Steyn@zutari.com)>; Wynand Loftus <[Wynand.Loftus@zutari.com](mailto:Wynand.Loftus@zutari.com)>; Genie De Waal <[Genie.deWaal@zutari.com](mailto:Genie.deWaal@zutari.com)>  
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|--|--|
| <b>Bevoegde Owerheid: DBVO</b>   | <b>Bevoegde Owerheid</b>   |
| <ul style="list-style-type: none"><li>• Lysingkennisgewing 1, Aktiwiteite 9, 11, 12, 13, 14, 19 en 27 (Aktiwiteite wat bemagtiging vereis deur middel van 'n Basiese Invloedbepalingsproses)</li><li>• Lysingkennisgewing 3, Aktiwiteite 4, 10 en 12 (Aktiwiteite wat geografies gebonde is en wat bemagtiging vereis deur</li></ul> | <ul style="list-style-type: none"><li>• Gedeelte 21 (a):</li><li>• Gedeelte 21 (b):</li><li>• Gedeelte 21 (c):</li><li>• 'n rivier.</li><li>• Gedeelte 21 (i):</li></ul> |

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- ☐ Elektroniese afskrif by:  
<https://geoverse.zutari.com/portal/apps/experiencebuilder/experience/?id=2f48681c19a24836bcfc03da3c653c3a> of  
<https://www.dws.gov.za/projects.aspx>

**Kommentaar kan op die watergebruikslisensie aansoek gelewer word vir 'n periode van 60 dae, vanaf 3 Junie 2024 tot 5 Augustus 2024.**

**Indien u as 'n Belanghebbende en Geaffekteerde Party (B&GP) wil registreer en/ of kommentaar wil lewer, word u uitgenooi om dit asseblief skriftelik te doen, óf deur die gebruik van die aanlynregistrasie en kommentaarvorm as u ondergenoemde aanlynskakels volg:**

<https://survey123.arcgis.com/share/592a24050e154524b919d662e9a37b3e?portalUrl=https://geoverse.zutari.com/portal>



of per epos na [xhariep@zutari.com](mailto:xhariep@zutari.com)

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**Genie De Waal** *ND Business Computing*

SENIOR CONSULTANT: PUBLIC PARTICIPATION | ZUTARI

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E [Genie.deWaal@zutari.com](mailto:Genie.deWaal@zutari.com) W [zutari.com](http://zutari.com)



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[www.caa.co.za](http://www.caa.co.za)

**Southern Region**

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+27 21 934 4744

**Fax Number:**

+27 21 934 1326

Aviation Environmental Compliance  
Tel No: +27 11 545 1199  
Email: [environment@caa.co.za](mailto:environment@caa.co.za)  
Enquiries: Ms. Pamela Madondo

20 June 2024

5 Cannon Road  
Plumstead  
7800

**Attention:**

Dear Sir/ Madam

**RE: COMMENTS ON XHARIEP PIPELINE, MANGAUNG METROPOLITAN MUNICIPALITY, FREE STATE**

We acknowledge receipt of email dated 2 June 2024. The South African Civil Aviation Authority (CAA) is an agency of the Department of Transport (DoT). The Civil Aviation Act 13 of 2009 provides for the establishment of the CAA as a stand-alone authority mandated with controlling, promoting, regulating, supporting, developing, enforcing and continuously improving levels of safety and security throughout the civil aviation industry. The CAA exercises this mandate through the Civil Aviation Regulations (CARs).

Please see our comments below:

The proposed project may not have significant impacts on civil aviation activities and infrastructure. However, since the proposed site is very close to an aerodrome infrastructure a formal obstacle assessment way need to be conducted with Air Traffic Navigation Services (ATNS). Kindly note that SACAA has transferred all obstacle assessments and applications responsibilities to ATNS as published on the SACAA website: [www.caa.co.za/industryinformation/obstacles/](http://www.caa.co.za/industryinformation/obstacles/). The list and contact details of the approved obstacles assessment services providers can be obtained from the CAA website: [www.caa.co.za](http://www.caa.co.za).

Yours sincerely,

Aviation Environmental Compliance Department

## Marianna Taljaard

---

**From:** Pamela Madondo <MadondoP@caa.co.za>  
**Sent:** Friday, 21 June 2024 10:11  
**To:** Corlie Steyn  
**Cc:** Marianna Taljaard; Xhariep; Nrateng Mashiloane  
**Subject:** RE: XHARIEP WATER PIPELINE/ WATERPYPLYN: Notification/ Kennisgewing: Public Participation Process/Publieke Deelnameproses: DFFE Ref No/ Verw Nr: 14/12/16/3/3/1/2996

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Good day Corlie,

I would highly recommend that Air Traffic Navigation Service (ATNS) be included in the public participation process to provide comments on the proposed development. They will be able to guide you through the process better.

Typically, this type of project would not require such an assessment, however due to its locality and being close to an aerodrome facility ATNS will need to be involved.

Kind regards,

**Pamela Madondo**

**Environment Compliance Specialist**

**Aviation Environmental Protection**

**Office:** [+27115451034](tel:+27115451034) | **Cell:** [0675971961](tel:0675971961) | **Email:** [MadondoP@caa.co.za](mailto:MadondoP@caa.co.za) | [www.caa.co.za](http://www.caa.co.za)

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The banner features the South African Civil Aviation Authority (SACAA) 25th anniversary logo on the left, with the text 'Advocating for Aviation Safety Culture' in the center. Below this is the slogan 'Fly responsibly. Fly safely. Your Actions Impact Lives.' On the right, there is an image of an airplane on a runway at night, viewed through a hexagonal frame.

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---

**From:** Corlie Steyn <Corlie.Steyn@zutari.com>  
**Sent:** Thursday, June 20, 2024 3:18 PM  
**To:** Pamela Madondo <MadondoP@caa.co.za>  
**Cc:** Marianna Taljaard <Marianna.Taljaard@zutari.com>; Xhariep <xhariep@zutari.com>; Nrateng Mashiloane <MashiloaneN@caa.co.za>  
**Subject:** RE: XHARIEP WATER PIPELINE/ WATERPYPLYN: Notification/ Kennisgewing: Public Participation Process/Publieke Deelnameproses: DFFE Ref No/ Verw Nr: 14/12/16/3/3/1/2996

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Hi Pamela,

Thank you so much for the clarification.

Can you perhaps furthermore confirm whether this assessment (if deemed necessary) can be conducted post the EIA process?

Zutari's appointment is for the detailed feasibility phase of the project and EIA process, whereafter DWS (the client) will appoint a professional service provider to undertake the detailed design and construction supervision.

It is our opinion that a further study, (if deemed necessary) should rather be conducted once the final design of the project has been done. Please let us know what you recommend.

Kind regards

**Corlie Steyn** *EAPASA., MPhil, (Environmental Management)*

SENIOR CONSULTANT, ENVIRONMENT AND PLANNING | ZUTARI

E [Corlie.Steyn@zutari.com](mailto:Corlie.Steyn@zutari.com) W [zutari.com](http://zutari.com)

DISCLAIMER

**From:** Pamela Madondo <[MadondoP@caa.co.za](mailto:MadondoP@caa.co.za)>

**Sent:** Thursday, June 20, 2024 3:08 PM

**To:** Corlie Steyn <[Corlie.Steyn@zutari.com](mailto:Corlie.Steyn@zutari.com)>

**Cc:** Marianna Taljaard <[Marianna.Taljaard@zutari.com](mailto:Marianna.Taljaard@zutari.com)>; Xhariep <[xhariep@zutari.com](mailto:xhariep@zutari.com)>; Nrateng Mashiloane <[MashiloaneN@caa.co.za](mailto:MashiloaneN@caa.co.za)>

**Subject:** RE: XHARIEP WATER PIPELINE/ WATERPYPLYN: Notification/ Kennisgewing: Public Participation Process/Publieke Deelnameproses: DFFE Ref No/ Verw Nr: 14/12/16/3/3/1/2996

Good day Corlie,

Yes, it should read as "may need to be conducted"

Kind regards,

**Pamela Madondo**

**Environment Compliance Specialist**

**Aviation Environmental Protection**

**Office:** +27115451034 | **Cell:** 0675971961 | **Email:** [MadondoP@caa.co.za](mailto:MadondoP@caa.co.za) | [www.caa.co.za](http://www.caa.co.za)

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**From:** Corlie Steyn <[Corlie.Steyn@zutari.com](mailto:Corlie.Steyn@zutari.com)>

**Sent:** Thursday, June 20, 2024 2:00 PM



**To:** Pamela Madondo <[MadondoP@caa.co.za](mailto:MadondoP@caa.co.za)>

**Cc:** Marianna Taljaard <[Marianna.Taljaard@zutari.com](mailto:Marianna.Taljaard@zutari.com)>; Xhariep <[xhariep@zutari.com](mailto:xhariep@zutari.com)>; Nrateng Mashiloane <[MashiloaneN@caa.co.za](mailto:MashiloaneN@caa.co.za)>

**Subject:** RE: XHARIEP WATER PIPELINE/ WATERPYPLYN: Notification/ Kennisgewing: Public Participation Process/Publieke Deelnameproses: DFFE Ref No/ Verw Nr: 14/12/16/3/3/1/2996

**Importance:** High

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Dear Pamela,

Zutari received your comment (refer attached).

We need to clarify the second paragraph with you:

Can you please let us know whether it should read "...formal obstacle assessment **way** need to be conducted..." or whether it should rather read "...formal obstacle assessment **may** need to be conducted..."

Kind regards

**Corlie Steyn** *EAPASA., MPhil, (Environmental Management)*

SENIOR CONSULTANT, ENVIRONMENT AND PLANNING | ZUTARI

E [Corlie.Steyn@zutari.com](mailto:Corlie.Steyn@zutari.com) W [zutari.com](http://zutari.com)

DISCLAIMER

**From:** Pamela Madondo <[MadondoP@caa.co.za](mailto:MadondoP@caa.co.za)>

**Sent:** Thursday, June 20, 2024 9:45 AM

**To:** Xhariep <[xhariep@zutari.com](mailto:xhariep@zutari.com)>

**Cc:** Nrateng Mashiloane <[MashiloaneN@caa.co.za](mailto:MashiloaneN@caa.co.za)>

**Subject:** RE: XHARIEP WATER PIPELINE/ WATERPYPLYN: Notification/ Kennisgewing: Public Participation Process/Publieke Deelnameproses: DFFE Ref No/ Verw Nr: 14/12/16/3/3/1/2996

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Good day,

Kindly find attached comments for the South African Civil Aviation Authority on the proposed development of the Xhariep water pipeline.

Kind regards,

**Pamela Madondo**

**Environment Compliance Specialist**

**Aviation Environmental Protection**

**Office:** [+27115451034](tel:+27115451034) | **Cell:** [0675971961](tel:0675971961) | **Email:** [MadondoP@caa.co.za](mailto:MadondoP@caa.co.za) | [www.caa.co.za](http://www.caa.co.za)

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- ☐ Hard copies at: Gariepdam Library - 11 Patrys Street; Edenburg Library - 16 Church Street; Trompsburg Library – 78 Voortrekker Street; Lourierpark Library - Cnr Doringklaat & Nanabessie Streets, Lourier Park, Bloemfontein
- ☐ Electronic copy at:  
<https://geoverse.zutari.com/portal/apps/experiencebuilder/experience/?id=2f48681c19a24836bcfc03da3c653c3a> or  
<https://www.dws.gov.za/projects.aspx>

**Comments on the water use licence application may be submitted for a period of 60 days, from 3rd of June 2024 to the 5th of August 2024.**

**If you wish to register as an Interested and Affected Party and/or submit comments or concerns, please do so in writing by either using the online registration and comment form at these links:**

<https://survey123.arcgis.com/share/592a24050e154524b919d662e9a37b3e?portalUrl=https://geoverse.zutari.com/portal>



or by sending an email to [xhariep@zutari.com](mailto:xhariep@zutari.com)

If necessary, you may also register telephonically during office hours with Marianna Taljaard at +27-44-805-5410.

---

Geagte geïdentifiseerde Belanhebbende en/of Geïnterreseerde Party

Neem asseblief kennis dat Zutari (Edms) Bpk is deur die Departement Water en Sanitasie (DWS) aangestel om die omgewingsmagtigingsproses vir die Xhariep Pyplyn as deel van die Groter Mangaung Water Aanvullingskema, in terme van die Nasionale Wet op Omgewingsbestuur (WNOP, Wet Nr. 107 van 1998, soos gewysig), te onderneem, deur middel van 'n Basiese Invloedbepalingsproses (BIBP), ingevolge die 2014 Omgewingsinvloedbepalings (OIB) Regulasies, soos gewysig. 'n watergebruikslisensie aansoek (WA) in terme van die Nasionale Waterwet (Wet Nr. 36 van 1998) word ook gevolg (sien aangehegte Agtergrond Inligtingsdokument).

DWS beoog om 'n drinkwaterpyplyn wat deel vorm van 'n water aanvullingskema vanaf die Gariep Damwal, te bou. Die pyplyn sal 'n aansluitingspunt hê by die bestaande grootmaat watersverspreidingsstelsel vir die Groter Bloemfontein Watervoorsieningsstelsel (GBWSS). Die voorgestelde skema deurkruis die Xhariep Distrikmunisipaliteit en die Kopanong Plaaslike Munisipaliteit, sowel as die Mangaung Metropolitaanse Munisipaliteit. Die projek bestaan uit drie sleutel (interne) belanghebbendes: (i) DWS Hoofkantoor (ii) Vaal Sentrale Waterraad, en (iii) Mangaung Metropolitaanse Munisipaliteit. Die projek val in die bestek van die Strategiese Geïntegreerde Projekte (SIPS) 18 en 19, naamlik Water en Sanitasie Infrastruktuur. Zutari (Edms) Bpk is die onafhanklike omgewingskonsultante wat die omgewingsmagtigings- en watergebruikslisensie aansoeke onderneem. Die Departement van Bosbou, Visserye en die Omgewing (DBVO) is die bevoegde owerheid wat die aansoek sal oorweeg. Die voorgestelde roete staan bekend as Skema 1B en sal 'n drinkwaterpypleiding wees vanaf die Gariep Dam tot by Bloemfontein (meestal langs die N1) en Botshabelo/ Thaba Nchu. Dit sal bestaan uit die volgende infrastruktuur:

- ☐ Aansluiting by bestaande pyplyn, stroomaf van die Gariep Dam
- ☐ 'n Lae-lig pompstasie by, of naby, die aansluiting met die Gariep Dam
- ☐ 'n Watersuiweringswerke (WTW) met 'n hoë-lig pompstasie
- ☐ 'n Bulk reservoir
- ☐ 'n Aanjaerpompstasie
- ☐ 'n Tweede bulk reservoir
- ☐ Die pyplynroete vanaf die Gariep Dam tot by die aansluitingspunte in Bloemfontein asook naby Rustfontein WTW (verskaf water aan Botshabelo / Thaba Nchu)

Die gelyste aktiwiteite in die regulasies van toepassing tot die projek is as volg:

| Nasionale Omgewingswet - BIBP<br>Bevoegde Owerheid: DBVO  | Nasionale Waterwet<br>Bevoegde Owerheid:   |
|---|--|
| <ul style="list-style-type: none"> <li>Lysingkennisgewing 1, Aktiwiteite 9, 11, 12, 13, 14, 19 en 27 (Aktiwiteite wat bemagtiging vereis deur middel van 'n Basiese Invloedbepalingsproses)</li> <li>Lysingkennisgewing 3, Aktiwiteite 4, 10 en 12 (Aktiwiteite wat geografies gebonde is en wat bemagtiging vereis deur</li> </ul> | <ul style="list-style-type: none"> <li>Gedeelte 21 (a):</li> <li>Gedeelte 21 (b):</li> <li>Gedeelte 21 (c):</li> <li>'n rivier.</li> <li>Gedeelte 21 (i):</li> </ul> |

Die Konsep Basiese Invloedbepalingsverslag (KIBV) is beskikbaar vir kommentaar vir 'n tydperk van 30 dae, vanaf 3 Junie 2024 tot 4 Julie 2024, by die onderstaande plekke:

- ☐ Harde kopieë by: Gariepdam Biblioteek - Patrysstraat 11; Edenburg Biblioteek - Kerkstraat 16; Trompsburg Biblioteek – Voortrekkerstraat 78; Lourierpark Biblioteek – Hoek van Doringklaat- & Nanabessiestrate, Lourierpark, Bloemfontein
- ☐ Elektroniese afskrif by:  
<https://geoverse.zutari.com/portal/apps/experiencebuilder/experience/?id=2f48681c19a24836bcfc03da3c653c3a> of  
<https://www.dws.gov.za/projects.aspx>

Kommentaar kan op die watergebruikslisensie aansoek gelewer word vir 'n periode van 60 dae, vanaf 3 Junie 2024 tot 5 Augustus 2024.

Indien u as 'n Belanghebbende en Geaffekteerde Party (B&GP) wil registreer en/ of kommentaar wil lewer, word u uitgenooi om dit asseblief skriftelik te doen, óf deur die gebruik van die aanlynregistrasie en kommentaarvorm as u ondergenoemde aanlynskakels volg:

<https://survey123.arcgis.com/share/592a24050e154524b919d662e9a37b3e?portalUrl=https://geoverse.zutari.com/portal>



of per epos na [xhariep@zutari.com](mailto:xhariep@zutari.com)

Indien nodig, kan u ook binne kantoorure telefonies by Marianna Taljaard registreer, op +27-44-8055410.

**Genie De Waal** *ND Business Computing*

SENIOR CONSULTANT: PUBLIC PARTICIPATION | ZUTARI

E [Genie.deWaal@zutari.com](mailto:Genie.deWaal@zutari.com) W [zutari.com](http://zutari.com)



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## Marianna Taljaard

---

**From:** Modubi Tepanyekga <Modubi.Tepanyekga@dalrrd.gov.za>  
**Sent:** Thursday, 20 June 2024 11:41  
**To:** Xhariep  
**Subject:** FW: XHARIEP WATER PIPELINE/ WATERPYPLYN: Notification/ Kennisgewing: Public Participation Process/Publieke Deelnameproses: DFFE Ref No/ Verw Nr: 14/12/16/3/3/1/2996  
**Attachments:** Background Information Document \_ Xhariep.pdf; PPP \_ Registration and Comment Form.pdf  
**Importance:** High

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Dear Marianna Taljaard

**RE: XHARIEP WATER PIPELINE/ WATERPYPLYN: Notification/ Kennisgewing: Public Participation Process/Publieke Deelnameproses: DFFE Ref No/ Verw Nr: 14/12/16/3/3/1/2996**

Your e-mail regarding the above, dated 20<sup>th</sup> June 2024, has reference.

Please be informed that your enquiry has been forwarded to the relevant component. The Department will respond to you in due course. Should you wish to follow up on this matter, kindly contact Malebo Baloi. Tel: (012)312-8052. Email: [Malebo.Baloi@Dalrrd.gov.za](mailto:Malebo.Baloi@Dalrrd.gov.za)

Kind regards,  
Mr. MJ Tepanyekga

---

**From:** Xhariep <[xhariep@zutari.com](mailto:xhariep@zutari.com)>  
**Sent:** Thursday, June 20, 2024 10:51 AM  
**To:** Corlie Steyn <[Corlie.Steyn@zutari.com](mailto:Corlie.Steyn@zutari.com)>; Marianna Taljaard <[Marianna.Taljaard@zutari.com](mailto:Marianna.Taljaard@zutari.com)>  
**Subject:** FW: XHARIEP WATER PIPELINE/ WATERPYPLYN: Notification/ Kennisgewing: Public Participation Process/Publieke Deelnameproses: DFFE Ref No/ Verw Nr: 14/12/16/3/3/1/2996  
**Importance:** High

**EXTERNAL EMAIL: This email originated outside of "DALRRD Environment". CAUTION: Do not click on links or open attachments unless you recognize the sender and know the content is safe.**

Dear Identified, Interested and/or Affected Party

This is a reminder that the comment period for **The Draft Basic Environmental Assessment Report**, ends the 4<sup>th</sup> of July 2024.

Kind Regards

**Marianna Taljaard**

PROJECT ADMINISTRATOR, ENVIRONMENT AND PLANNING | ZUTARI

---

**M** +27-44-805 5410 **E** [Marianna.Taljaard@zutari.com](mailto:Marianna.Taljaard@zutari.com) **W** [zutari.com](http://zutari.com)

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**From:** Xhariep

**Sent:** Sunday, June 2, 2024 7:44 PM

**To:** Corlie Steyn <Corlie.Steyn@zutari.com>; Wynand Loftus <Wynand.Loftus@zutari.com>; Genie De Waal <Genie.deWaal@zutari.com>

**Subject:** XHARIEP WATER PIPELINE/ WATERPYPLYN: Notification/ Kennisgewing: Public Participation Process/Publieke Deelnameproses: DFFE Ref No/ Verw Nr: 14/12/16/3/3/1/2996

**Importance:** High

Dear identified Interested and/or Affected Party

Please be informed that Zutari (Pty) Ltd has been appointed by the Department of Water and Sanitation (DWS) to undertake the environmental authorisation application is required in terms of the National Environmental Management Act (Act No. 107 of 1998) (NEMA) via a Basic Assessment (BA) process, per the 2014 EIA Regulations, as amended, as well as a Water Use Licence application (WULA) in terms of the National Water Act (Act No. 36 of 1998) for the Xhariep pipeline as part of the Greater Mangaung Water Augmentation Project (see Background Information Document attached).

DWS is proposing to construct a potable water pipeline from the Gariep Dam wall, connecting to the existing bulk water distribution system for the Greater Bloemfontein Water Supply System (GBWSS). The proposed scheme will traverse the Xhariep District Municipality and the Kopanong Local Municipality, as well as the Mangaung Metropolitan Municipality. The project has three key (internal) stakeholders: (i) DWS Head Office (ii) Vaal Central Water Board, and (iii) Mangaung Metropolitan Municipality. The project falls into the ambit of Strategic Integrated Projects (SIPS) 18 and 19, namely Water and Sanitation Infrastructure. Zutari (Pty) Ltd are the independent environmental consultants who are undertaking the environmental authorisation and water use licence applications. The competent authority is the Department of Forestry, Fisheries and the Environment (DFFE). The proposed route is known as Scheme 1B and will be a potable water pipeline from Gariep Dam to Bloemfontein (mostly along the N1) and Botshabelo / Thaba Nchu, consisting of:

- ☐ Tie-in at existing pipeline downstream of Gariep Dam
- ☐ A low-lift pumpstation at or near the connection to the Gariep Dam
- ☐ A water treatment works (WTW) with a high-lift pumpstation
- ☐ A command reservoir
- ☐ A booster pumpstation
- ☐ A second command reservoir
- ☐ The entire pipeline route from the Gariep Dam to the connection points in Bloemfontein and near Rustfontein WTW (supplying Botshabelo / Thaba Nchu)

The listed activities in the regulations that are triggered by this proposed project are as follows:

| <b>National Environmental Management Act - BA</b>   | <b>National Water Act</b>  |
|---|--|
| <b>Competent Authority – DFFE</b>   | <b>Competent Authority</b>   |
| <ul style="list-style-type: none"><li>• Listing Notice 1, Activity 9, 11, 12, 13, 14, 19 and 27 (Activities which require authorisation via a Basic Assessment)</li><li>• Listing Notice 3, Activity 4, 10 and 12 (Activities that are geographically bound and which require authorisation via a</li></ul> | <ul style="list-style-type: none"><li>• Section 21 (a): A</li><li>• Section 21 (b): S</li><li>• Section 21 (c): watercourse.</li><li>• Section 21 (i):</li></ul> |

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- ☐ Electronic copy at:

<https://geoverse.zutari.com/portal/apps/experiencebuilder/experience/?id=2f48681c19a24836bcfc03da3c653c3a> or <https://www.dws.gov.za/projects.aspx>

**Comments on the water use licence application may be submitted for a period of 60 days, from 3rd of June 2024 to the 5th of August 2024.**

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or by sending an email to [xhariep@zutari.com](mailto:xhariep@zutari.com)

If necessary, you may also register telephonically during office hours with Marianna Taljaard at +27-44-805-5410.

---

#### Geagte geïdentifiseerde Belanhebbende en/of Geïnterreseerde Party

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- ☐ Aansluiting by bestaande pyplyn, stroomaf van die Gariep Dam
- ☐ 'n Lae-lig pompstasie by, of naby, die aansluiting met die Gariep Dam
- ☐ 'n Watersuiweringswerke (WTW) met 'n hoë-lig pompstasie
- ☐ 'n Bulk reservoir
- ☐ 'n Aanjaerpompstasie
- ☐ 'n Tweede bulk reservoir
- ☐ Die pyplynroete vanaf die Gariep Dam tot by die aansluitingspunte in Bloemfontein asook naby Rustfontein WTW (verskaf water aan Botshabelo / Thaba Nchu)

Die gelyste aktiwiteite in die regulasies van toepassing tot die projek is as volg:

| Nasionale Omgewingswet - BIBP  | Nasionale Waterwet   |
|--|--|
| Bevoegde Owerheid: DBVO  | Bevoegde Owerheid  |
| <ul style="list-style-type: none"><li>Lysingkennisgewing 1, Aktiwiteite 9, 11, 12, 13, 14, 19 en 27 (Aktiwiteite wat bemagtiging vereis deur middel van 'n Basiese Invloedbepalingsproses)</li><li>Lysingkennisgewing 3, Aktiwiteite 4, 10 en 12 (Aktiwiteite wat geografies gebonde is en wat bemagtiging vereis deur</li></ul> | <ul style="list-style-type: none"><li>Gedeelte 21 (a):</li><li>Gedeelte 21 (b):</li><li>Gedeelte 21 (c):</li><li>'n rivier.</li><li>Gedeelte 21 (i):</li></ul> |

**Die Konsep Basiese Invloedbepalingsverslag (KIBV) is beskikbaar vir kommentaar vir 'n tydperk van 30 dae, vanaf 3 Junie 2024 tot 4 Julie 2024, by die onderstaande plekke:**

- ☐ Harde kopieë by: Gariepdam Biblioteek - Patrysstraat 11; Edenburg Biblioteek - Kerkstraat 16; Trompsburg Biblioteek – Voortrekkerstraat 78; Louierpark Biblioteek – Hoek van Doringklaat- & Nanabessiestrate, Louierpark, Bloemfontein
- ☐ Elektroniese afskrif by:  
<https://geoverse.zutari.com/portal/apps/experiencebuilder/experience/?id=2f48681c19a24836bcfc03da3c653c3a> of  
<https://www.dws.gov.za/projects.aspx>

Kommentaar kan op die watergebruikslisensie aansoek gelewer word vir 'n periode van 60 dae, vanaf 3 Junie 2024 tot 5 Augustus 2024.

Indien u as 'n Belanghebbende en Geaffekteerde Party (B&GP) wil registreer en/ of kommentaar wil lewer, word u uitgenooi om dit asseblief skriftelik te doen, óf deur die gebruik van die aanlynregistrasie en kommentaarvorm as u ondergenoemde aanlynskakels volg:

<https://survey123.arcgis.com/share/592a24050e154524b919d662e9a37b3e?portalUrl=https://geoverse.zutari.com/portal>



of per epos na [xhariep@zutari.com](mailto:xhariep@zutari.com)

Indien nodig, kan u ook binne kantoorure telefonies by Marianna Taljaard registreer, op +27-44-8055410.

**Genie De Waal** *ND Business Computing*

SENIOR CONSULTANT: PUBLIC PARTICIPATION | ZUTARI

E [Genie.deWaal@zutari.com](mailto:Genie.deWaal@zutari.com) W [zutari.com](http://zutari.com)



Zutari is a proud B-BBEE Level 1 contributor in South Africa.

DISCLAIMER

## Marianna Taljaard

---

**From:** Xhariep  
**Sent:** Friday, 21 June 2024 11:30  
**To:** Obstacles@atns.co.za  
**Cc:** Corlie Steyn; Wynand Loftus  
**Subject:** FW: XHARIEP WATER PIPELINE/ WATERPYPLYN: Notification/ Kennisgewing: Public Participation Process/Publieke Deelnameproses: DFFE Ref No/ Verw Nr: 14/12/16/3/3/1/2996  
**Attachments:** Background Information Document \_ Xhariep.pdf; PPP \_ Registration and Comment Form.pdf; SACAA Comments for Xhariep Water Pipeline.pdf  
**Importance:** High

To Whom It May Concern

Trust this mail finds you well.

We've received feedback from SACAA (letter attached), advising that we inform ATNS of the Public Participation Period for the abovementioned project (see notification below sent to the public). Specifically relating to the potential requirement to conduct an obstacles assessment for the project. Please find attached Background Information Document for a brief description of the project.

In this regard, we would like to request ATNS to provide comment on the project and whether an obstacles assessment would be required. Comment can be submitted by responding to this email or by using the attached Registration and Comment Form. Please consider that the project is for the construction of an underground potable water pipeline and associated infrastructure (pumpstation, water treatment works (at Gariep) and reservoirs). Note that the project is currently in detailed feasibility and environmental impact assessment phase, and detailed designs for infrastructure has not been developed. We are of the opinion that an obstacles assessment, should it be found to be required, would perhaps be better suited at a later stage of the project when more detail regarding designs is available, however we will follow your guidance in this regard.

We look forward to hearing from you and are available to discuss.

Kind Regards

**Marianna Taljaard**

PROJECT ADMINISTRATOR, ENVIRONMENT AND PLANNING | ZUTARI

**M** +27-44-805 5410 **E** [Marianna.Taljaard@zutari.com](mailto:Marianna.Taljaard@zutari.com) **W** [zutari.com](http://zutari.com)

DISCLAIMER

---

**From:** Xhariep  
**Sent:** Sunday, June 2, 2024 7:44 PM  
**To:** Corlie Steyn <[Corlie.Steyn@zutari.com](mailto:Corlie.Steyn@zutari.com)>; Wynand Loftus <[Wynand.Loftus@zutari.com](mailto:Wynand.Loftus@zutari.com)>; Genie De Waal <[Genie.deWaal@zutari.com](mailto:Genie.deWaal@zutari.com)>  
**Subject:** XHARIEP WATER PIPELINE/ WATERPYPLYN: Notification/ Kennisgewing: Public Participation Process/Publieke Deelnameproses: DFFE Ref No/ Verw Nr: 14/12/16/3/3/1/2996  
**Importance:** High

Dear identified Interested and/or Affected Party

Please be informed that Zutari (Pty) Ltd has been appointed by the Department of Water and Sanitation (DWS) to undertake the environmental authorisation application is required in terms of the National Environmental Management Act (Act No. 107 of 1998) (NEMA) via a Basic Assessment (BA) process, per the 2014 EIA Regulations, as amended, as well as a Water Use Licence application (WULA) in terms of the National Water Act (Act No. 36 of 1998) for the



Xhariep pipeline as part of the Greater Mangaung Water Augmentation Project (see Background Information Document attached).

DWS is proposing to construct a potable water pipeline from the Gariep Dam wall, connecting to the existing bulk water distribution system for the Greater Bloemfontein Water Supply System (GBWSS). The proposed scheme will traverse the Xhariep District Municipality and the Kopanong Local Municipality, as well as the Mangaung Metropolitan Municipality. The project has three key (internal) stakeholders: (i) DWS Head Office (ii) Vaal Central Water Board, and (iii) Mangaung Metropolitan Municipality. The project falls into the ambit of Strategic Integrated Projects (SIPS) 18 and 19, namely Water and Sanitation Infrastructure. Zutari (Pty) Ltd are the independent environmental consultants who are undertaking the environmental authorisation and water use licence applications. The competent authority is the Department of Forestry, Fisheries and the Environment (DFFE). The proposed route is known as Scheme 1B and will be a potable water pipeline from Gariep Dam to Bloemfontein (mostly along the N1) and Botshabelo / Thaba Nchu, consisting of:

- ☐ Tie-in at existing pipeline downstream of Gariep Dam
- ☐ A low-lift pumpstation at or near the connection to the Gariep Dam
- ☐ A water treatment works (WTW) with a high-lift pumpstation
- ☐ A command reservoir
- ☐ A booster pumpstation
- ☐ A second command reservoir
- ☐ The entire pipeline route from the Gariep Dam to the connection points in Bloemfontein and near Rustfontein WTW (supplying Botshabelo / Thaba Nchu)

The listed activities in the regulations that are triggered by this proposed project are as follows:

| <b>National Environmental Management Act - BA</b>  | <b>National Water Act</b>   |
|--|---|
| <b>Competent Authority – DFFE</b>  | <b>Competent Authority</b>  |
| <ul style="list-style-type: none"> <li>• Listing Notice 1, Activity 9, 11, 12, 13, 14, 19 and 27 (Activities which require authorisation via a Basic Assessment)</li> <li>• Listing Notice 3, Activity 4, 10 and 12 (Activities that are geographically bound and which require authorisation via a</li> </ul> | <ul style="list-style-type: none"> <li>• Section 21 (a): A</li> <li>• Section 21 (b): S</li> <li>• Section 21 (c): watercourse.</li> <li>• Section 21 (i):</li> </ul> |

**The draft Basic Environmental Assessment Report is available for comment for a period of 30 days, from the 3rd of June 2024 to the 4th of July 2024, at the following locations:**

- ☐ Hard copies at: Gariepdam Library - 11 Patrys Street; Edenburg Library - 16 Church Street; Trompsburg Library – 78 Voortrekker Street; Lourierpark Library - Cnr Doringklaat & Nanabessie Streets, Lourier Park, Bloemfontein
- ☐ Electronic copy at:  
<https://geoverse.zutari.com/portal/apps/experiencebuilder/experience/?id=2f48681c19a24836bcfc03da3c653c3a> or  
<https://www.dws.gov.za/projects.aspx>

**Comments on the water use licence application may be submitted for a period of 60 days, from 3rd of June 2024 to the 5th of August 2024.**

**If you wish to register as an Interested and Affected Party and/or submit comments or concerns, please do so in writing by either using the online registration and comment form at these links:**

<https://survey123.arcgis.com/share/592a24050e154524b919d662e9a37b3e?portalUrl=https://geoverse.zutari.com/portal>



or by sending an email to [xhariep@zutari.com](mailto:xhariep@zutari.com)

If necessary, you may also register telephonically during office hours with Marianna Taljaard at +27-44-805-5410.

## Geagte geïdentifiseerde Belanhebbende en/of Geïnterreseerde Party

Neem asseblief kennis dat Zutari (Edms) Bpk is deur die Departement Water en Sanitasie (DWS) aangestel om die omgewingsmagtigingsproses vir die Xhariep Pyplyn as deel van die Groter Mangaung Water Aanvullingskema, in terme van die Nasionale Wet op Omgewingsbestuur (WNOP, Wet Nr. 107 van 1998, soos gewysig), te onderneem, deur middel van 'n Basiese Invloedbepalingsproses (BIBP), ingevolge die 2014 Omgewingsinvloedbepalings (OIB) Regulasies, soos gewysig. 'n watergebruikslisensie aansoek (WA) in terme van die Nasionale Waterwet (Wet Nr. 36 van 1998) word ook gevold (sien aangehegte Agtergrond Inligtingsdokument).

DWS beoog om 'n drinkwaterpyplyn wat deel vorm van 'n water aanvullingskema vanaf die Gariep Damwal, te bou. Die pyplyn sal 'n aansluitingspunt hê by die bestaande grootmaat watersverspreidingsstelsel vir die Groter Bloemfontein Watervoorsieningsstelsel (GBWSS). Die voorgestelde skema deurkruis die Xhariep Distrikmunisipaliteit en die Kopanong Plaaslike Munisipaliteit, sowel as die Mangaung Metropolitaanse Munisipaliteit. Die projek bestaan uit drie sleutel (interne) belanghebbendes: (i) DWS Hoofkantoor (ii) Vaal Sentrale Waterraad, en (iii) Mangaung Metropolitaanse Munisipaliteit. Die projek val in die bestek van die Strategiese Geïntegreerde Projekte (SIPS) 18 en 19, naamlik Water en Sanitasie Infrastruktuur. Zutari (Edms) Bpk is die onafhanklike omgewingskonsultante wat die omgewingsmagtigings- en watergebruikslisensie aansoek onderneem. Die Departement van Bosbou, Visserye en die Omgewing (DBVO) is die bevoegde owerheid wat die aansoek sal oorweeg. Die voorgestelde roete staan bekend as Skema 1B en sal 'n drinkwaterpypleiding wees vanaf die Gariep Dam tot by Bloemfontein (meestal langs die N1) en Botshabelo/ Thaba Nchu. Dit sal bestaan uit die volgende infrastruktuur:

- ☐ Aansluiting by bestaande pyplyn, stroomaf van die Gariep Dam
- ☐ 'n Lae-lig pompstasie by, of naby, die aansluiting met die Gariep Dam
- ☐ 'n Watersuiweringswerke (WTW) met 'n hoë-lig pompstasie
- ☐ 'n Bulk reservoir
- ☐ 'n Aanjaerpompstasie
- ☐ 'n Tweede bulk reservoir
- ☐ Die pyplynroete vanaf die Gariep Dam tot by die aansluitingspunte in Bloemfontein asook naby Rustfontein WTW (verskaf water aan Botshabelo / Thaba Nchu)

Die gelyste aktiwiteite in die regulasies van toepassing tot die projek is as volg:

| <b>Nasionale Omgewingswet - BIBP</b>   | <b>Nasionale Waterwet</b>  |
|--|--|
| <b>Bevoegde Owerheid: DBVO</b>   | <b>Bevoegde Owerheid</b>   |
| <ul style="list-style-type: none"><li>• Lysingkennisgewing 1, Aktiwiteite 9, 11, 12, 13, 14, 19 en 27 (Aktiwiteite wat bemagtiging vereis deur middel van 'n Basiese Invloedbepalingsproses)</li><li>• Lysingkennisgewing 3, Aktiwiteite 4, 10 en 12 (Aktiwiteite wat geografies gebonde is en wat bemagtiging vereis deur</li></ul> | <ul style="list-style-type: none"><li>• Gedeelte 21 (a):</li><li>• Gedeelte 21 (b):</li><li>• Gedeelte 21 (c):</li><li>• 'n rivier.</li><li>• Gedeelte 21 (i):</li></ul> |

**Die Konsep Basiese Invloedbepalingsverslag (KIBV) is beskikbaar vir kommentaar vir 'n tydperk van 30 dae, vanaf 3 Junie 2024 tot 4 Julie 2024, by die onderstaande plekke:**

- ☐ Harde kopieë by: Gariepdam Biblioteek - Patrysstraat 11; Edenburg Biblioteek - Kerkstraat 16; Trompsburg Biblioteek – Voortrekkerstraat 78; Lourierpark Biblioteek – Hoek van Doringklaat- & Nanabessiestrate, Lourierpark, Bloemfontein

- ☐ Elektroniese afskrif by:

<https://geoverse.zutari.com/portal/apps/experiencebuilder/experience/?id=2f48681c19a24836bcfc03da3c653c3a> of  
<https://www.dws.gov.za/projects.aspx>

**Kommentaar kan op die watergebruikslisensie aansoek gelewer word vir 'n periode van 60 dae, vanaf 3 Junie 2024 tot 5 Augustus 2024.**

**Indien u as 'n Belanghebbende en Geaffekteerde Party (B&GP) wil registreer en/ of kommentaar wil lewer, word u uitgenooi om dit asseblief skriftelik te doen, óf deur die gebruik van die aanlynregistrasie en kommentaarvorm as u ondergenoemde aanlynskakels volg:**

<https://survey123.arcgis.com/share/592a24050e154524b919d662e9a37b3e?portalUrl=https://geoverse.zutari.com/portal>



of per epos na [xhariep@zutari.com](mailto:xhariep@zutari.com)

Indien nodig, kan u ook binne kantoorure telefonies by Marianna Taljaard registreer, op +27-44-8055410.

**Genie De Waal** *ND Business Computing*

SENIOR CONSULTANT: PUBLIC PARTICIPATION | ZUTARI

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E [Genie.deWaal@zutari.com](mailto:Genie.deWaal@zutari.com) W [zutari.com](http://zutari.com)



Zutari is a proud B-BBEE Level 1 contributor in South Africa.

DISCLAIMER

## Marianna Taljaard

---

**From:** Wynand Loftus  
**Sent:** Friday, 12 July 2024 07:54  
**To:** obstacles; Winnie Lekabe  
**Cc:** Marianna Taljaard; Corlie Steyn  
**Subject:** Re: XHARIEP WATER PIPELINE/ WATERPYPLYN: Notification/ Kennisgewing: Public Participation Process/Publieke Deelnameproses: DFFE Ref No/ Verw Nr: 14/12/16/3/3/1/2996

Good morning

That is perfect, I will send the invite.

Regards,

**Wynand Loftus** *EAPASA (2019/1203), Pr.Sci.Nat., MTech Nat. Cons.*

Manager, Environmental Management & ESG | ZUTARI

---

**M** +27-72-3542607 **E** [Wynand.Loftus@zutari.com](mailto:Wynand.Loftus@zutari.com) **W** [zutari.com](http://zutari.com)

DISCLAIMER

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**From:** obstacles <obstacles@atns.co.za>  
**Sent:** 11 July 2024 21:15  
**To:** Wynand Loftus <Wynand.Loftus@zutari.com>; obstacles <obstacles@atns.co.za>  
**Cc:** Marianna Taljaard <Marianna.Taljaard@zutari.com>; Corlie Steyn <Corlie.Steyn@zutari.com>  
**Subject:** RE: XHARIEP WATER PIPELINE/ WATERPYPLYN: Notification/ Kennisgewing: Public Participation Process/Publieke Deelnameproses: DFFE Ref No/ Verw Nr: 14/12/16/3/3/1/2996

Good evening,

Could we schedule a meeting between 13:00 – 13:30 tomorrow.

Regards

**Obstacles Evaluation Team** | COO - Air Traffic Services  
BRUMA

T: +2711 607 1000

E: [obstacles@atns.co.za](mailto:obstacles@atns.co.za) • W: [www.atns.com](http://www.atns.com)

---

**From:** Wynand Loftus <Wynand.Loftus@zutari.com>  
**Sent:** Thursday, July 11, 2024 2:16 PM  
**To:** obstacles <obstacles@atns.co.za>  
**Cc:** Marianna Taljaard <Marianna.Taljaard@zutari.com>; Corlie Steyn <Corlie.Steyn@zutari.com>  
**Subject:** Re: XHARIEP WATER PIPELINE/ WATERPYPLYN: Notification/ Kennisgewing: Public Participation Process/Publieke Deelnameproses: DFFE Ref No/ Verw Nr: 14/12/16/3/3/1/2996

Good day

Thank you for your response. Corlie has asked me to engage with you regarding this matter. We are available to meet tomorrow anytime between 0830 and 1200 and then again between 1300-1600. Please could you indicate your preferred time, and I will send the invite.

If not tomorrow, please indicate your availability next week.

Regards,

---

**From:** obstacles <[obstacles@atns.co.za](mailto:obstacles@atns.co.za)>  
**Sent:** Thursday, July 11, 2024 1:11 PM  
**To:** Corlie Steyn <[Corlie.Steyn@zutari.com](mailto:Corlie.Steyn@zutari.com)>; Xhariep <[xhariep@zutari.com](mailto:xhariep@zutari.com)>; Marianna Taljaard <[Marianna.Taljaard@zutari.com](mailto:Marianna.Taljaard@zutari.com)>  
**Cc:** Winnie Lekabe <[Winniel@atns.co.za](mailto:Winniel@atns.co.za)>; obstacles <[obstacles@atns.co.za](mailto:obstacles@atns.co.za)>  
**Subject:** RE: XHARIEP WATER PIPELINE/ WATERPYPLYN: Notification/ Kennisgewing: Public Participation Process/Publieke Deelnameproses: DFFE Ref No/ Verw Nr: 14/12/16/3/3/1/2996

Good day

Apologies for the late reply, could we schedule a Teams meeting with you to get clarity on your application. Please advise us on the dates and times that would best suit you.

Regards

**Obstacles Evaluation Team** | COO - Air Traffic Services  
BRUMA

T: +2711 607 1000  
E: [obstacles@atns.co.za](mailto:obstacles@atns.co.za) • W: [www.atns.com](http://www.atns.com)

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**From:** Corlie Steyn <[Corlie.Steyn@zutari.com](mailto:Corlie.Steyn@zutari.com)>  
**Sent:** Wednesday, June 26, 2024 2:22 PM  
**To:** Xhariep <[xhariep@zutari.com](mailto:xhariep@zutari.com)>; obstacles <[obstacles@atns.co.za](mailto:obstacles@atns.co.za)>; Marianna Taljaard <[Marianna.Taljaard@zutari.com](mailto:Marianna.Taljaard@zutari.com)>  
**Subject:** RE: XHARIEP WATER PIPELINE/ WATERPYPLYN: Notification/ Kennisgewing: Public Participation Process/Publieke Deelnameproses: DFFE Ref No/ Verw Nr: 14/12/16/3/3/1/2996  
**Importance:** High

Good day,








We are getting close to the end of our PP period on the Xhariep project.

Input from landowners and specialists lead to a slight change in the route: (i) to accommodate the landowner, and ii) for the pipeline route to follow existing infrastructure, which is generally preferable from a disruption and maintenance perspective. It will, however, be a bit more expensive due to the longer pipeline route, hence the original alignment.

Please see the new route attached (Krapfontein Farms\_alternative image)

Attached is also the new kmz. The new route alignment is underlined in red in the screenshot below, note that the old one is still part of the kmz file.



- ☒  Booster pump station 1B (Survey area)
- ☒  Booster pump station 1B (pre-lim geotech footprint)
- ☒  Booster pump station reservoir 1B (pre-lim geotech footprint)
- ☒  Option 1B reservoirs and roads survey areas
- ☒  Command Reservoir 1B (pre-lim geotech footprint)
- ☒  Option 1B (Potable water Gariep - Rustfontein)\_updated
- ☒  Option 1B (Potable water Gariep - Rustfontein)

The pipe length only changed by just under 500m: Total pipeline length went from 244.4km to 244.9km.

The new details are:

| Component   | Capacity (m³/s)<br>(1) | Capacity (MI/d)<br>(1) | Estimated Footprint (m²) |
|---|------------------------|------------------------|--------------------------|
| Gariep Low Lift Pump Station  | 3.8                    | 328.1                  | 10,000                   |
| Gariep WTP  | -                      | 312                    | 600,000                  |
| Gariep High Lift Pump Station   | 3.62                   | 312.4                  | (included in WTP above)  |
| Command Reservoir (3 sites)   | -                      | 80 MI                  | 112,500                  |
| Booster Pump Station  | 3.62                   | 312.4                  | 10,000                   |
| Gariep Pipeline<br>(188.99 km, 1800 Ø)                                | 3.62                   | 312.4                  | 7,559,600                |
| Gravity Pipeline to Brandkop<br>(31.37 km, 2000 Ø)                    | 3.62                   | 312.4                  | 1,254,800                |
| Gravity Pipeline to Rustfontein Pump<br>Station<br>(24.52 km, 1400 Ø) | 2.43                   | 209.8                  | 980,800                  |
| Substation (2 sites)  | -                      | -                      | 45,000                   |
| <b>Total (m²)</b>   |                        |                        | <b>10,572,700</b>        |
| Total (ha)  |                        |                        | 1,057                    |
| <b>Total excl. pipeline (m²)</b>                                      |                        |                        | <b>777,500</b>           |
| Total excl. pipeline (ha)   |                        |                        | 78                       |

Please do not hesitate should you have questions.

Kind regards

**Corlie Steyn** EAPASA., MPhil, (Environmental Management)

Senior Consultant, Environment and Planning | ZUTARI

E [Corlie.Steyn@zutari.com](mailto:Corlie.Steyn@zutari.com) W [zutari.com](http://zutari.com)

#### DISCLAIMER

**From:** Xhariep

**Sent:** Friday, June 21, 2024 3:13 PM

**To:** obstacles <[obstacles@atns.co.za](mailto:obstacles@atns.co.za)>; Xhariep <[xhariep@zutari.com](mailto:xhariep@zutari.com)>; Marianna Taljaard <[Marianna.Taljaard@zutari.com](mailto:Marianna.Taljaard@zutari.com)>; Corlie Steyn <[Corlie.Steyn@zutari.com](mailto:Corlie.Steyn@zutari.com)>

**Subject:** RE: XHARIEP WATER PIPELINE/ WATERPYPLYN: Notification/ Kennisgewing: Public Participation Process/Publieke Deelnameproses: DFFE Ref No/ Verw Nr: 14/12/16/3/3/1/2996

Good day,

Please see attached the kmz (Site investigations) as well as a second kmz (affected landowners).

Please let us know if you require any other information

Kind regards

**Corlie Steyn** *EAPASA., MPhil, (Environmental Management)*

Senior Consultant, Environment and Planning | ZUTARI

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E [Corlie.Steyn@zutari.com](mailto:Corlie.Steyn@zutari.com) W [zutari.com](http://zutari.com)

DISCLAIMER

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**From:** obstacles <[obstacles@atns.co.za](mailto:obstacles@atns.co.za)>

**Sent:** Friday, June 21, 2024 12:59 PM

**To:** Xhariep <[xhariep@zutari.com](mailto:xhariep@zutari.com)>

**Subject:** RE: XHARIEP WATER PIPELINE/ WATERPYPLYN: Notification/ Kennisgewing: Public Participation Process/Publieke Deelnameproses: DFFE Ref No/ Verw Nr: 14/12/16/3/3/1/2996

Good day

Please send a KMZ file of the proposed project.

Kind regards

**Obstacles Evaluation Team** | COO - Air Traffic Services  
BRUMA

E: [obstacles@atns.co.za](mailto:obstacles@atns.co.za) • W: [www.atns.com](http://www.atns.com)

---

**From:** Xhariep <[xhariep@zutari.com](mailto:xhariep@zutari.com)>

**Sent:** Friday, June 21, 2024 11:30 AM

**To:** obstacles <[obstacles@atns.co.za](mailto:obstacles@atns.co.za)>

**Cc:** Corlie Steyn <[Corlie.Steyn@zutari.com](mailto:Corlie.Steyn@zutari.com)>; Wynand Loftus <[Wynand.Loftus@zutari.com](mailto:Wynand.Loftus@zutari.com)>

**Subject:** FW: XHARIEP WATER PIPELINE/ WATERPYPLYN: Notification/ Kennisgewing: Public Participation Process/Publieke Deelnameproses: DFFE Ref No/ Verw Nr: 14/12/16/3/3/1/2996

**Importance:** High

To Whom It May Concern

Trust this mail finds you well.

We've received feedback from SACAA (letter attached), advising that we inform ATNS of the Public Participation Period for the abovementioned project (see notification below sent to the public). Specifically relating to the potential requirement to conduct an obstacles assessment for the project. Please find attached Background Information Document for a brief description of the project.

In this regard, we would like to request ATNS to provide comment on the project and whether an obstacles assessment would be required. Comment can be submitted by responding to this email or by using the attached Registration and Comment Form. Please consider that the project is for the construction of an underground potable water pipeline and associated infrastructure (pumpstation, water treatment works (at Gariep) and reservoirs). Note that the project is currently in detailed feasibility and environmental impact assessment phase, and detailed designs for infrastructure has not been developed. We are of the opinion that an obstacles assessment, should it be found to be required, would perhaps be better suited at a later stage of the project when more detail regarding designs is available, however we will follow your guidance in this regard.

We look forward to hearing from you and are available to discuss.

Kind Regards

**Marianna Taljaard**

Project Administrator, Environment and Planning | ZUTARI

**M** +27-44-805 5410 **E** [Marianna.Taljaard@zutari.com](mailto:Marianna.Taljaard@zutari.com) **W** [zutari.com](http://zutari.com)

DISCLAIMER

**From:** Xhariep

**Sent:** Sunday, June 2, 2024 7:44 PM

**To:** Corlie Steyn <[Corlie.Steyn@zutari.com](mailto:Corlie.Steyn@zutari.com)>; Wynand Loftus <[Wynand.Loftus@zutari.com](mailto:Wynand.Loftus@zutari.com)>; Genie De Waal <[Genie.deWaal@zutari.com](mailto:Genie.deWaal@zutari.com)>

**Subject:** XHARIEP WATER PIPELINE/ WATERPYPLYN: Notification/ Kennisgewing: Public Participation Process/Publieke Deelnameproses: DFFE Ref No/ Verw Nr: 14/12/16/3/3/1/2996

**Importance:** High

Dear identified Interested and/or Affected Party

Please be informed that Zutari (Pty) Ltd has been appointed by the Department of Water and Sanitation (DWS) to undertake the environmental authorisation application is required in terms of the National Environmental Management Act (Act No. 107 of 1998) (NEMA) via a Basic Assessment (BA) process, per the 2014 EIA Regulations, as amended, as well as a Water Use Licence application (WULA) in terms of the National Water Act (Act No. 36 of 1998) for the Xhariep pipeline as part of the Greater Mangaung Water Augmentation Project (see Background Information Document attached).

DWS is proposing to construct a potable water pipeline from the Gariep Dam wall, connecting to the existing bulk water distribution system for the Greater Bloemfontein Water Supply System (GBWSS). The proposed scheme will traverse the Xhariep District Municipality and the Kopanong Local Municipality, as well as the Mangaung Metropolitan Municipality. The project has three key (internal) stakeholders: (i) DWS Head Office (ii) Vaal Central Water Board, and (iii) Mangaung Metropolitan Municipality. The project falls into the ambit of Strategic Integrated Projects (SIPS) 18 and 19, namely Water and Sanitation Infrastructure. Zutari (Pty) Ltd are the independent environmental consultants who are undertaking the environmental authorisation and water use licence applications. The competent authority is the Department of Forestry, Fisheries and the Environment (DFFE). The proposed route is known as Scheme 1B and will be a potable water pipeline from Gariep Dam to Bloemfontein (mostly along the N1) and Botshabelo / Thaba Nchu, consisting of:

- Tie-in at existing pipeline downstream of Gariep Dam
- A low-lift pumpstation at or near the connection to the Gariep Dam
- A water treatment works (WTW) with a high-lift pumpstation
- A command reservoir
- A booster pumpstation
- A second command reservoir
- The entire pipeline route from the Gariep Dam to the connection points in Bloemfontein and near Rustfontein WTW (supplying Botshabelo / Thaba Nchu)

The listed activities in the regulations that are triggered by this proposed project are as follows:

| <b>National Environmental Management Act - BA</b>   | <b>National Water Act</b>  |
|---|--|
| <b>Competent Authority – DFFE</b>   | <b>Competent Authority</b>   |
| <ul style="list-style-type: none"><li>• Listing Notice 1, Activity 9, 11, 12, 13, 14, 19 and 27 (Activities which require authorisation via a Basic Assessment)</li><li>• Listing Notice 3, Activity 4, 10 and 12 (Activities that are geographically bound and which require authorisation via a</li></ul> | <ul style="list-style-type: none"><li>• Section 21 (a): A</li><li>• Section 21 (b): S</li><li>• Section 21 (c): watercourse.</li><li>• Section 21 (i):</li></ul> |

**The draft Basic Environmental Assessment Report is available for comment for a period of 30 days, from the 3rd of June 2024 to the 4th of July 2024, at the following locations:**

- Hard copies at: Gariepdam Library - 11 Patrys Street; Edenburg Library - 16 Church Street; Trompsburg Library – 78 Voortrekker Street; Lourierpark Library - Cnr Doringklaat & Nanabessie Streets, Lourier Park, Bloemfontein

- Electronic copy at:

<https://geoverse.zutari.com/portal/apps/experiencebuilder/experience/?id=2f48681c19a24836bcfc03da3c653c3a> or  
<https://www.dws.gov.za/projects.aspx>

**Comments on the water use licence application may be submitted for a period of 60 days, from 3rd of June 2024 to the 5th of August 2024.**

**If you wish to register as an Interested and Affected Party and/or submit comments or concerns, please do so in writing by either using the online registration and comment form at these links:**

<https://survey123.arcgis.com/share/592a24050e154524b919d662e9a37b3e?portalUrl=https://geoverse.zutari.com/portal>



or by sending an email to [xhariep@zutari.com](mailto:xhariep@zutari.com)

If necessary, you may also register telephonically during office hours with Marianna Taljaard at +27-44-805-5410.

---

Geagte geïdentifiseerde Belanhebbende en/of Geïnterreseerde Party

Neem asseblief kennis dat Zutari (Edms) Bpk is deur die Departement Water en Sanitasie (DWS) aangestel om die omgewingsmagtigingsproses vir die Xhariep Pyplyn as deel van die Groter Mangaung Water Aanvullingskema, in terme van die Nasionale Wet op Omgewingsbestuur (WNOP, Wet Nr. 107 van 1998, soos gewysig), te onderneem, deur middel van 'n Basiese Invloedbepalingsproses (BIBP), ingevolge die 2014 Omgewingsinvloedbepalings (OIB) Regulasies, soos gewysig. 'n watergebruikslisensie aansoek (WA) in terme van die Nasionale Waterwet (Wet Nr. 36 van 1998) word ook gevolg (sien aangehegte Agtergrond Inligtingsdokument).

DWS beoog om 'n drinkwaterpyplyn wat deel vorm van 'n water aanvullingskema vanaf die Gariep Damwal, te bou. Die pyplyn sal 'n aansluitingspunt hê by die bestaande grootmaat watersverspreidingsstelsel vir die Groter Bloemfontein Watervoorsieningsstelsel (GBWSS). Die voorgestelde skema deurkruis die Xhariep Distrikmunisipaliteit en die Kopanong Plaaslike Munisipaliteit, sowel as die Mangaung Metropolitaanse Munisipaliteit. Die projek bestaan uit drie sleutel (interne) belanghebbendes: (i) DWS Hoofkantoor (ii) Vaal Sentrale Waterraad, en (iii) Mangaung Metropolitaanse Munisipaliteit. Die projek val in die bestek van die Strategiese Geïntegreerde Projekte (SIPS) 18 en 19, naamlik Water en Sanitasie Infrastruktuur. Zutari (Edms) Bpk is die onafhanklike omgewingskonsultante wat die omgewingsmagtigings- en watergebruikslisensie aansoeke onderneem. Die Departement van Bosbou, Visserye en die Omgewing (DBVO) is die bevoegde owerheid wat die aansoek sal oorweeg. Die voorgestelde roete staan bekend as Skema 1B en sal 'n drinkwaterpypleiding wees vanaf die Gariep Dam tot by Bloemfontein (meestal langs die N1) en Botshabelo/ Thaba Nchu. Dit sal bestaan uit die volgende infrastruktuur:

- Aansluiting by bestaande pyplyn, stroomaf van die Gariep Dam
- 'n Lae-lig pompstasie by, of naby, die aansluiting met die Gariep Dam
- 'n Watersuiweringswerke (WTW) met 'n hoë-lig pompstasie
- 'n Bulk reservoir
- 'n Aanjaerpompstasie
- 'n Tweede bulk reservoir
- Die pyplynroete vanaf die Gariep Dam tot by die aansluitingspunte in Bloemfontein asook naby Rustfontein WTW (verskaf water aan Botshabelo / Thaba Nchu)

Die gelyste aktiwiteite in die regulasies van toepassing tot die projek is as volg:

| Nasionale Omgewingswet - BIBP<br>Bevoegde Owerheid: DBVO  | Nasionale Waterwet<br>Bevoegde Owerheid:   |
|---|--|
| <ul style="list-style-type: none"> <li>Lysingkennisgewing 1, Aktiwiteite 9, 11, 12, 13, 14, 19 en 27 (Aktiwiteite wat bemagtiging vereis deur middel van 'n Basiese Invloedbepalingsproses)</li> <li>Lysingkennisgewing 3, Aktiwiteite 4, 10 en 12 (Aktiwiteite wat geografies gebonde is en wat bemagtiging vereis deur</li> </ul> | <ul style="list-style-type: none"> <li>Gedeelte 21 (a):</li> <li>Gedeelte 21 (b):</li> <li>Gedeelte 21 (c):</li> <li>'n rivier.</li> <li>Gedeelte 21 (i):</li> </ul> |

Die Konsep Basiese Invloedbepalingsverslag (KIBV) is beskikbaar vir kommentaar vir 'n tydperk van 30 dae, vanaf 3 Junie 2024 tot 4 Julie 2024, by die onderstaande plekke:

- Harde kopieë by: Gariepdam Biblioteek - Patrysstraat 11; Edenburg Biblioteek - Kerkstraat 16; Trompsburg Biblioteek – Voortrekkerstraat 78; Lourierpark Biblioteek – Hoek van Doringklaat- & Nanabessiestrate, Lourierpark, Bloemfontein
- Elektroniese afskrif by:  
<https://geoverse.zutari.com/portal/apps/experiencebuilder/experience/?id=2f48681c19a24836bcfc03da3c653c3a> of  
<https://www.dws.gov.za/projects.aspx>

Kommentaar kan op die watergebruikslisensie aansoek gelewer word vir 'n periode van 60 dae, vanaf 3 Junie 2024 tot 5 Augustus 2024.

Indien u as 'n Belanghebbende en Geaffekteerde Party (B&GP) wil registreer en/ of kommentaar wil lewer, word u uitgenooi om dit asseblief skriftelik te doen, óf deur die gebruik van die aanlynregistrasie en kommentaarvorm as u ondergenoemde aanlynskakels volg:

<https://survey123.arcgis.com/share/592a24050e154524b919d662e9a37b3e?portalUrl=https://geoverse.zutari.com/portal>



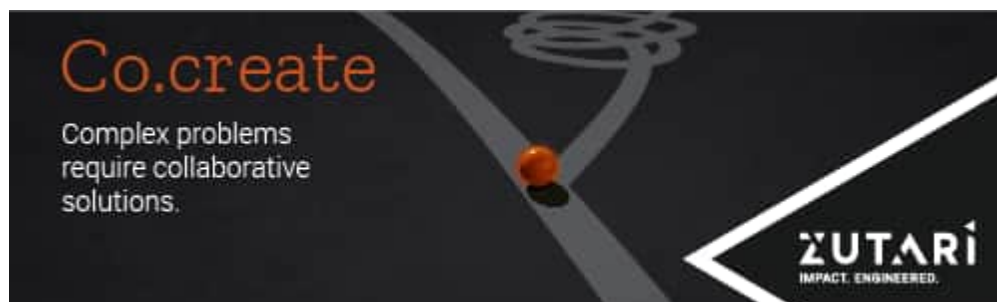
of per epos na [xhariep@zutari.com](mailto:xhariep@zutari.com)

Indien nodig, kan u ook binne kantoorure telefonies by Marianna Taljaard registreer, op +27-44-8055410.

**Genie De Waal** *ND Business Computing*

Senior Consultant: Public Participation | ZUTARI

E [Genie.deWaal@zutari.com](mailto:Genie.deWaal@zutari.com) W [zutari.com](http://zutari.com)



Zutari is a proud B-BBEE Level 1 contributor in South Africa.

DISCLAIMER



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**Wynand Loftus** *EAPASA (2019/1203), Pr.Sci.Nat., MTech Nat. Cons.*

MANAGER, ENVIRONMENTAL MANAGEMENT & ESG | ZUTARI

---

**M** +27-72-3542607 **E** [Wynand.Loftus@zutari.com](mailto:Wynand.Loftus@zutari.com) **W** [zutari.com](http://zutari.com)

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## Marianna Taljaard

---

**From:** obstacles <obstacles@atns.co.za>  
**Sent:** Friday, 12 July 2024 17:18  
**To:** Corlie Steyn; Xhariep; Marianna Taljaard  
**Cc:** Winnie Lekabe; obstacles  
**Subject:** RE: XHARIEP WATER PIPELINE/ WATERPYPLYN: Notification/ Kennisgewing: Public Participation Process/Publieke Deelnameproses: DFFE Ref No/ Verw Nr: 14/12/16/3/3/1/2996

Good day, Corlie Steyn,

### **RE: PROPOSED XHARIEP WATER PIPELINE/ WATERPYPLYN**

The proposed XHARIEP WATER PIPELINE/ WATERPYPLYN is in close proximity to Gariep Dam airfield.

ATNS does not oppose the establishment of the proposed Sasol Powerline Project SRK, however this does not serve as **an approval/no objection letter**, the applicant still needs to apply for a detailed obstacle assessment in order to obtain a letter of objection /no objection from ATNS and a conditional Approval from the South African Civil Aviation Authority.

Please contact [obstacles@atns.co.za](mailto:obstacles@atns.co.za) for a detailed Obstacle Assessment application.

Kind Regards

**Obstacles Evaluation Team** | COO - Air Traffic Services  
BRUMA

T: +2711 607 1000

E: [obstacles@atns.co.za](mailto:obstacles@atns.co.za) • W: [www.atns.com](http://www.atns.com)

---

**From:** obstacles <obstacles@atns.co.za>  
**Sent:** Thursday, July 11, 2024 1:11 PM  
**To:** Corlie Steyn <Corlie.Steyn@zutari.com>; Xhariep <xhariep@zutari.com>; Marianna Taljaard <Marianna.Taljaard@zutari.com>  
**Cc:** Winnie Lekabe <Winniel@atns.co.za>; obstacles <obstacles@atns.co.za>  
**Subject:** RE: XHARIEP WATER PIPELINE/ WATERPYPLYN: Notification/ Kennisgewing: Public Participation Process/Publieke Deelnameproses: DFFE Ref No/ Verw Nr: 14/12/16/3/3/1/2996

Good day

Apologies for the late reply, could we schedule a Teams meeting with you to get clarity on your application. Please advise us on the dates and times that would best suit you.

Regards

**Obstacles Evaluation Team** | COO - Air Traffic Services  
BRUMA

T: +2711 607 1000

E: [obstacles@atns.co.za](mailto:obstacles@atns.co.za) • W: [www.atns.com](http://www.atns.com)

**From:** Corlie Steyn <[Corlie.Steyn@zutari.com](mailto:Corlie.Steyn@zutari.com)>

**Sent:** Wednesday, June 26, 2024 2:22 PM

**To:** Xhariep <[xhariep@zutari.com](mailto:xhariep@zutari.com)>; obstacles <[obstacles@atns.co.za](mailto:obstacles@atns.co.za)>; Marianna Taljaard <[Marianna.Taljaard@zutari.com](mailto:Marianna.Taljaard@zutari.com)>

**Subject:** RE: XHARIEP WATER PIPELINE/ WATERPYPLYN: Notification/ Kennisgewing: Public Participation Process/Publieke Deelnameproses: DFFE Ref No/ Verw Nr: 14/12/16/3/3/1/2996

**Importance:** High

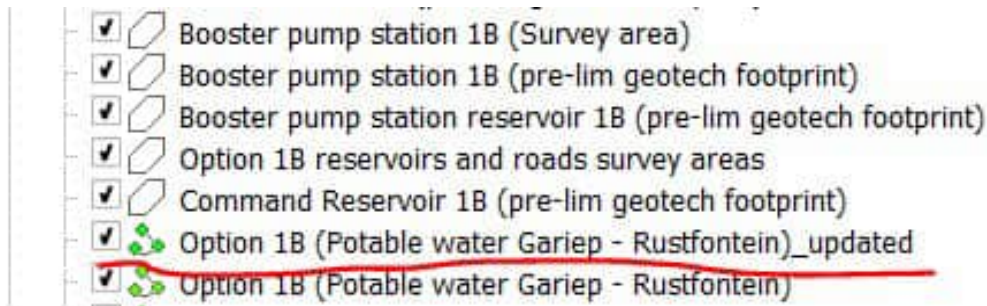
Good day,

We are getting close to the end of our PP period on the Xhariep project.

Input from landowners and specialists lead to a slight change in the route:(i) to accommodate the landowner, and ii) for the pipeline route to follow existing infrastructure, which is generally preferable from a disruption and maintenance perspective. It will, however, be a bit more expensive due to the longer pipeline route, hence the original alignment.

Please see the new route attached (Krapfontein Farms\_alternative image)

Attached is also the new kmz. The new route alignment is underlined in red in the screenshot below, note that the old one is still part of the kmz file.



The pipe length only changed by just under 500m: Total pipeline length went from 244.4km to 244.9km.

The new details are:

| Component   | Capacity (m <sup>3</sup> /s) <sup>(1)</sup> | Capacity (MI/d) <sup>(1)</sup> | Estimated Footprint (m <sup>2</sup> ) |
|---|---|--------------------------------|---------------------------------------|
| Gariep Low Lift Pump Station  | 3.8   | 328.1                          | 10,000                                |
| Gariep WTP  | -   | 312                            | 600,000                               |
| Gariep High Lift Pump Station   | 3.62  | 312.4                          | (included in WTP above)               |
| Command Reservoir (3 sites)   | -   | 80 MI                          | 112,500                               |
| Booster Pump Station  | 3.62  | 312.4                          | 10,000                                |
| Gariep Pipeline<br>(188.99 km, 1800 Ø)                                | 3.62  | 312.4                          | 7,559,600                             |
| Gravity Pipeline to Brandkop<br>(31.37 km, 2000 Ø)                    | 3.62  | 312.4                          | 1,254,800                             |
| Gravity Pipeline to Rustfontein Pump<br>Station<br>(24.52 km, 1400 Ø) | 2.43  | 209.8                          | 980,800                               |
| Substation (2 sites)  | -   | -                              | 45,000                                |
| <b>Total (m<sup>2</sup>)</b>  |   |                                | <b>10,572,700</b>                     |
| Total (ha)  |   |                                | 1,057                                 |
| <b>Total excl. pipeline (m<sup>2</sup>)</b>                           |   |                                | <b>777,500</b>                        |
| Total excl. pipeline (ha)   |   |                                | 78                                    |

Please do not hesitate should you have questions.

Kind regards

**Corlie Steyn** *EAPASA.,MPhil, (Environmental Management)*

SENIOR CONSULTANT, ENVIRONMENT AND PLANNING | ZUTARI

---

E [Corlie.Steyn@zutari.com](mailto:Corlie.Steyn@zutari.com) W [zutari.com](http://zutari.com)

DISCLAIMER

---

**From:** Xhariep

**Sent:** Friday, June 21, 2024 3:13 PM

**To:** obstacles <[obstacles@atns.co.za](mailto:obstacles@atns.co.za)>; Xhariep <[xhariep@zutari.com](mailto:xhariep@zutari.com)>; Marianna Taljaard <[Marianna.Taljaard@zutari.com](mailto:Marianna.Taljaard@zutari.com)>; Corlie Steyn <[Corlie.Steyn@zutari.com](mailto:Corlie.Steyn@zutari.com)>

**Subject:** RE: XHARIEP WATER PIPELINE/ WATERPYPLYN: Notification/ Kennisgewing: Public Participation Process/Publieke Deelnameproses: DFFE Ref No/ Verw Nr: 14/12/16/3/3/1/2996

Good day,

Please see attached the kmz (Site investigations) as well as a second kmz (affected landowners).

Please let us know if you require any other information

Kind regards

**Corlie Steyn** *EAPASA.,MPhil, (Environmental Management)*

SENIOR CONSULTANT, ENVIRONMENT AND PLANNING | ZUTARI

---

E [Corlie.Steyn@zutari.com](mailto:Corlie.Steyn@zutari.com) W [zutari.com](http://zutari.com)

DISCLAIMER

---

**From:** obstacles <[obstacles@atns.co.za](mailto:obstacles@atns.co.za)>

**Sent:** Friday, June 21, 2024 12:59 PM

**To:** Xhariep <[xhariep@zutari.com](mailto:xhariep@zutari.com)>

**Subject:** RE: XHARIEP WATER PIPELINE/ WATERPYPLYN: Notification/ Kennisgewing: Public Participation Process/Publieke Deelnameproses: DFFE Ref No/ Verw Nr: 14/12/16/3/3/1/2996

Good day

Please send a KMZ file of the proposed project.

Kind regards

**Obstacles Evaluation Team** | COO - Air Traffic Services  
BRUMA

E: [obstacles@atns.co.za](mailto:obstacles@atns.co.za) • W: [www.atns.com](http://www.atns.com)

---

**From:** Xhariep <[xhariep@zutari.com](mailto:xhariep@zutari.com)>

**Sent:** Friday, June 21, 2024 11:30 AM

**To:** obstacles <[obstacles@atns.co.za](mailto:obstacles@atns.co.za)>

**Cc:** Corlie Steyn <[Corlie.Steyn@zutari.com](mailto:Corlie.Steyn@zutari.com)>; Wynand Loftus <[Wynand.Loftus@zutari.com](mailto:Wynand.Loftus@zutari.com)>

**Subject:** FW: XHARIEP WATER PIPELINE/ WATERPYPLYN: Notification/ Kennisgewing: Public Participation Process/Publieke Deelnameproses: DFFE Ref No/ Verw Nr: 14/12/16/3/3/1/2996

**Importance:** High

To Whom It May Concern

Trust this mail finds you well.

We've received feedback from SACAA (letter attached), advising that we inform ATNS of the Public Participation Period for the abovementioned project (see notification below sent to the public). Specifically relating to the potential requirement to conduct an obstacles assessment for the project. Please find attached Background Information Document for a brief description of the project.

In this regard, we would like to request ATNS to provide comment on the project and whether an obstacles assessment would be required. Comment can be submitted by responding to this email or by using the attached Registration and Comment Form. Please consider that the project is for the construction of an underground potable water pipeline and associated infrastructure (pumpstation, water treatment works (at Gariep) and reservoirs). Note that the project is currently in detailed feasibility and environmental impact assessment phase, and detailed designs for infrastructure has not been developed. We are of the opinion that an obstacles assessment, should it be found to be required, would perhaps be better suited at a later stage of the project when more detail regarding designs is available, however we will follow your guidance in this regard.

We look forward to hearing from you and are available to discuss.

Kind Regards

**Marianna Taljaard**

PROJECT ADMINISTRATOR, ENVIRONMENT AND PLANNING | ZUTARI

**M** +27-44-805 5410 **E** [Marianna.Taljaard@zutari.com](mailto:Marianna.Taljaard@zutari.com) **W** [zutari.com](http://zutari.com)

DISCLAIMER

---

**From:** Xhariep

**Sent:** Sunday, June 2, 2024 7:44 PM

**To:** Corlie Steyn <[Corlie.Steyn@zutari.com](mailto:Corlie.Steyn@zutari.com)>; Wynand Loftus <[Wynand.Loftus@zutari.com](mailto:Wynand.Loftus@zutari.com)>; Genie De Waal <[Genie.deWaal@zutari.com](mailto:Genie.deWaal@zutari.com)>

**Subject:** XHARIEP WATER PIPELINE/ WATERPYPLYN: Notification/ Kennisgewing: Public Participation Process/Publieke Deelnameproses: DFFE Ref No/ Verw Nr: 14/12/16/3/3/1/2996

**Importance:** High

Dear identified Interested and/or Affected Party

Please be informed that Zutari (Pty) Ltd has been appointed by the Department of Water and Sanitation (DWS) to undertake the environmental authorisation application is required in terms of the National Environmental Management Act (Act No. 107 of 1998) (NEMA) via a Basic Assessment (BA) process, per the 2014 EIA Regulations, as amended, as well as a Water Use Licence application (WULA) in terms of the National Water Act (Act No. 36 of 1998) for the Xhariep pipeline as part of the Greater Mangaung Water Augmentation Project (see Background Information Document attached).

DWS is proposing to construct a potable water pipeline from the Gariep Dam wall, connecting to the existing bulk water distribution system for the Greater Bloemfontein Water Supply System (GBWSS). The proposed scheme will traverse the Xhariep District Municipality and the Kopanong Local Municipality, as well as the Mangaung Metropolitan Municipality. The project has three key (internal) stakeholders: (i) DWS Head Office (ii) Vaal Central Water Board, and (iii) Mangaung Metropolitan Municipality. The project falls into the ambit of Strategic Integrated Projects (SIPS) 18 and 19, namely Water and Sanitation Infrastructure. Zutari (Pty) Ltd are the independent environmental consultants who are undertaking the environmental authorisation and water use licence applications. The competent authority is the Department of Forestry, Fisheries and the Environment (DFFE). The proposed route is known as Scheme 1B and will be a potable water pipeline from Gariep Dam to Bloemfontein (mostly along the N1) and Botshabelo / Thaba Nchu, consisting of:

- ☐ Tie-in at existing pipeline downstream of Gariep Dam
- ☐ A low-lift pumpstation at or near the connection to the Gariep Dam



- ☐ A water treatment works (WTW) with a high-lift pumpstation
- ☐ A command reservoir
- ☐ A booster pumpstation
- ☐ A second command reservoir
- ☐ The entire pipeline route from the Gariep Dam to the connection points in Bloemfontein and near Rustfontein WTW (supplying Botshabelo / Thaba Nchu)

The listed activities in the regulations that are triggered by this proposed project are as follows:

| <b>National Environmental Management Act - BA</b>  | <b>National Water Act</b>   |
|--|---|
| <b>Competent Authority – DFFE</b>  | <b>Competent Authority</b>  |
| <ul style="list-style-type: none"> <li>• Listing Notice 1, Activity 9, 11, 12, 13, 14, 19 and 27 (Activities which require authorisation via a Basic Assessment)</li> <li>• Listing Notice 3, Activity 4, 10 and 12 (Activities that are geographically bound and which require authorisation via a</li> </ul> | <ul style="list-style-type: none"> <li>• Section 21 (a): A</li> <li>• Section 21 (b): S</li> <li>• Section 21 (c): watercourse.</li> <li>• Section 21 (i):</li> </ul> |

**The draft Basic Environmental Assessment Report is available for comment for a period of 30 days, from the 3rd of June 2024 to the 4th of July 2024, at the following locations:**

- ☐ Hard copies at: Gariepdam Library - 11 Patrys Street; Edenburg Library - 16 Church Street; Trompsburg Library – 78 Voortrekker Street; Louierpark Library - Cnr Doringklaat & Nanabessie Streets, Louier Park, Bloemfontein
- ☐ Electronic copy at:

<https://geoverse.zutari.com/portal/apps/experiencebuilder/experience/?id=2f48681c19a24836bcfc03da3c653c3a> or  
<https://www.dws.gov.za/projects.aspx>

**Comments on the water use licence application may be submitted for a period of 60 days, from 3rd of June 2024 to the 5th of August 2024.**

**If you wish to register as an Interested and Affected Party and/or submit comments or concerns, please do so in writing by either using the online registration and comment form at these links:**

<https://survey123.arcgis.com/share/592a24050e154524b919d662e9a37b3e?portalUrl=https://geoverse.zutari.com/portal>



or by sending an email to [xhariep@zutari.com](mailto:xhariep@zutari.com)

If necessary, you may also register telephonically during office hours with Marianna Taljaard at +27-44-805-5410.

---

Geagte geïdentifiseerde Belanhebbende en/of Geïnterreseerde Party

Neem asseblief kennis dat Zutari (Edms) Bpk is deur die Departement Water en Sanitasie (DWS) aangestel om die omgewingsmagtigingsproses vir die Xhariep Pyplyn as deel van die Groter Mangaung Water Aanvullingskema, in terme van die Nasionale Wet op Omgewingsbestuur (WNOP, Wet Nr. 107 van 1998, soos gewysig), te onderneem, deur middel van 'n Basiese Invloedbepalingsproses (BIBP), ingevolge die 2014 Omgewingsinvloedbepalings (OIB) Regulasies, soos gewysig. 'n watergebruikslisensie aansoek (WA) in terme van die Nasionale Waterwet (Wet Nr. 36 van 1998) word ook gevolg (sien aangehegte Agtergrond Inligtingsdokument).

DWS beoog om 'n drinkwaterpyplyn wat deel vorm van 'n water aanvullingskema vanaf die Gariep Damwal, te bou. Die pyplyn sal 'n aansluitingspunt hê by die bestaande grootmaat waterverspreidingsstelsel vir die Groter Bloemfontein Watervoorsieningsstelsel (GBWSS). Die voorgestelde skema deurkruis die Xhariep Distrikmunisipaliteit en die Kopanong Plaaslike Munisipaliteit, sowel as die Mangaung Metropolitaanse Munisipaliteit. Die projek bestaan uit drie sleutel (interne) belanghebbendes: (i) DWS Hoofkantoor (ii) Vaal Sentrale Waterraad, en (iii) Mangaung Metropolitaanse Munisipaliteit. Die projek val in die bestek van die Strategiese Geïntegreerde Projekte (SIPS) 18 en

19, naamlik Water en Sanitasie Infrastruktuur. Zutari (Edms) Bpk is die onafhanklike omgewingskonsultante wat die omgewingsmagtigings- en watergebruikslisensie aansoeke onderneem. Die Departement van Bosbou, Visserye en die Omgewing (DBVO) is die bevoegde owerheid wat die aansoek sal oorweeg. Die voorgestelde roete staan bekend as Skema 1B en sal 'n drinkwaterpypleiding wees vanaf die Gariep Dam tot by Bloemfontein (meestal langs die N1) en Botshabelo/ Thaba Nchu. Dit sal bestaan uit die volgende infrastruktuur:

- ☐ Aansluiting by bestaande pypleyn, stroomaf van die Gariep Dam
- ☐ 'n Lae-lig pompstasie by, of naby, die aansluiting met die Gariep Dam
- ☐ 'n Watersuiweringswerke (WTW) met 'n hoë-lig pompstasie
- ☐ 'n Bulk reservoir
- ☐ 'n Aanjaerpompstasie
- ☐ 'n Tweede bulk reservoir
- ☐ Die pypleynroete vanaf die Gariep Dam tot by die aansluitingspunte in Bloemfontein asook naby Rustfontein WTW (verskaf water aan Botshabelo / Thaba Nchu)

Die gelyste aktiwiteite in die regulasies van toepassing tot die projek is as volg:

| Nasionale Omgewingswet - BIBP   | Nasionale Waterwet   |
|---|--|
| Bevoegde Owerheid: DBVO   | Bevoegde Owerheid:   |
| <ul style="list-style-type: none"> <li>Lysingkennisgewing 1, Aktiwiteite 9, 11, 12, 13, 14, 19 en 27 (Aktiwiteite wat bemagtiging vereis deur middel van 'n Basiese Invloedbepalingsproses)</li> <li>Lysingkennisgewing 3, Aktiwiteite 4, 10 en 12 (Aktiwiteite wat geografies gebonde is en wat bemagtiging vereis deur</li> </ul> | <ul style="list-style-type: none"> <li>Gedeelte 21 (a):</li> <li>Gedeelte 21 (b):</li> <li>Gedeelte 21 (c):</li> <li>'n rivier.</li> <li>Gedeelte 21 (i):</li> </ul> |

Die Konsep Basiese Invloedbepalingsverslag (KIBV) is beskikbaar vir kommentaar vir 'n tydperk van 30 dae, vanaf 3 Junie 2024 tot 4 Julie 2024, by die onderstaande plekke:

- ☐ Harde kopieë by: Gariepdam Biblioteek - Patrysstraat 11; Edenburg Biblioteek - Kerkstraat 16; Trompsburg Biblioteek – Voortrekkerstraat 78; Lourierpark Biblioteek – Hoek van Doringklaat- & Nanabessiestrate, Lourierpark, Bloemfontein
- ☐ Elektroniese afskrif by:  
<https://geoverse.zutari.com/portal/apps/experiencebuilder/experience/?id=2f48681c19a24836bcfc03da3c653c3a> of  
<https://www.dws.gov.za/projects.aspx>

Kommentaar kan op die watergebruikslisensie aansoek gelewer word vir 'n periode van 60 dae, vanaf 3 Junie 2024 tot 5 Augustus 2024.

Indien u as 'n Belanghebbende en Geaffekteerde Party (B&GP) wil registreer en/ of kommentaar wil lewer, word u uitgenooi om dit asseblief skriftelik te doen, óf deur die gebruik van die aanlynregistrasie en kommentaarvorm as u ondergenoemde aanlynskakels volg:

<https://survey123.arcgis.com/share/592a24050e154524b919d662e9a37b3e?portalUrl=https://geoverse.zutari.com/portal>



of per epos na [xhariep@zutari.com](mailto:xhariep@zutari.com)

Indien nodig, kan u ook binne kantoorure telefonies by Marianna Taljaard registreer, op +27-44-8055410.

**Genie De Waal** ND Business Computing

SENIOR CONSULTANT: PUBLIC PARTICIPATION | ZUTARI



**Zutari is a proud B-BBEE Level 1 contributor in South Africa.**

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## Marianna Taljaard

---

**From:** Albie Louw <LouwA1@ufs.ac.za>  
**Sent:** Tuesday, 09 July 2024 10:25  
**To:** Xhariep; Marianna Taljaard  
**Cc:** Nico Janse Van Rensburg; Corlie Steyn  
**Subject:** RE: HARIEP WATER PIPELINE/ WATERPYPLYN: Notification/ Kennisgewing: Public Participation Process/Publieke Deelnameproses: DFFE Ref No/ Verw Nr: 14/12/16/3/3/1/2996

Good day Marianna

Duly noted.

Kind regards



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**Albie Louw** Pr. Pln A1117/1999

Assistant Director: Property Management - University Estates  
PO Box 339, Bloemfontein, 9300, Republic of South Africa

051 4019207

[LouwA1@ufs.ac.za](mailto:LouwA1@ufs.ac.za)



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---

**From:** Xhariep <xhariep@zutari.com>  
**Sent:** Monday, July 1, 2024 3:44 PM  
**To:** Albie Louw <LouwA1@ufs.ac.za>; Xhariep <xhariep@zutari.com>  
**Cc:** Nico Janse Van Rensburg <JVREnsNJ@ufs.ac.za>; Marianna Taljaard <Marianna.Taljaard@zutari.com>; Corlie Steyn <Corlie.Steyn@zutari.com>  
**Subject:** RE: HARIEP WATER PIPELINE/ WATERPYPLYN: Notification/ Kennisgewing: Public Participation Process/Publieke Deelnameproses: DFFE Ref No/ Verw Nr: 14/12/16/3/3/1/2996

Good Day Albie,

Trust this mail finds you well.

Please see attached response from the project team in reference to your letter attached and email below dated 26 June 2024.

Kind Regards

**Marianna Taljaard**

PROJECT ADMINISTRATOR, ENVIRONMENT AND PLANNING | ZUTARI

**M** +27-74-0532214 **E** [Marianna.Taljaard@zutari.com](mailto:Marianna.Taljaard@zutari.com) **W** [zutari.com](http://zutari.com)

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**From:** Albie Louw <[LouwA1@ufs.ac.za](mailto:LouwA1@ufs.ac.za)>  
**Sent:** Wednesday, June 26, 2024 1:13 PM  
**To:** Xhariep <[xhariep@zutari.com](mailto:xhariep@zutari.com)>  
**Cc:** Nico Janse Van Rensburg <[JVREnsNJ@ufs.ac.za](mailto:JVREnsNJ@ufs.ac.za)>; Marianna Taljaard <[Marianna.Taljaard@zutari.com](mailto:Marianna.Taljaard@zutari.com)>  
**Subject:** HARIEP WATER PIPELINE/ WATERPYPLYN: Notification/ Kennisgewing: Public Participation Process/Publieke Deelnameproses: DFFE Ref No/ Verw Nr: 14/12/16/3/3/1/2996

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Good day

Attached find our comments pertaining to the draft Basic Assessment Report: Xhariep Water Pipeline project.

Regards



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[LouwA1@ufs.ac.za](mailto:LouwA1@ufs.ac.za)



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## Marianna Taljaard

---

**From:** Albie Louw <LouwA1@ufs.ac.za>  
**Sent:** Wednesday, 26 June 2024 13:13  
**To:** Xhariep  
**Cc:** Nico Janse Van Rensburg; Marianna Taljaard  
**Subject:** HARIEP WATER PIPELINE/ WATERPYPLYN: Notification/ Kennisgewing: Public Participation Process/Publieke Deelnameproses: DFFE Ref No/ Verw Nr: 14/12/16/3/3/1/2996  
**Attachments:** UFS\_BAR Xhariep Pipeline\_260624.pdf

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Good day

Attached find our comments pertaining to the draft Basic Assessment Report: Xhariep Water Pipeline project.

Regards



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**Albie Louw** *Pr. Pln A1117/1999*

Assistant Director: Property Management - University Estates  
PO Box 339, Bloemfontein, 9300, Republic of South Africa

☎ 051 4019207

✉ [LouwA1@ufs.ac.za](mailto:LouwA1@ufs.ac.za)



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26 June 2024

The Public Participation Facilitator  
Zutari

Attention: G. de Waal  
By electronic mail: xhariep@zutari.com


Dear Madam

### **RESPONSE TO REQUEST FOR COMMENTS: BASIC ASSESSMENT REPORT PROPOSED XHARIEP PIPELINE PROJECT**

1. The registration of the University of the Free State (UFS) as an interested and affected party and your public meeting in Bloemfontein on 11 June 2024 have reference.
2. The UFS is an interested and affected party, as a registered owner of properties that may be affected by the planned pipeline route 1B as well as the proximity of the proposed pipeline to the UFS Paradys Experimental Farm.
3. We acknowledge the fact that the construction of the Xhariep Water pipeline is a key priority / Strategic Infrastructure Project for your client (Department of Water and Sanitation).
4. Due to the scale and impact of the proposed project, diligent monitoring pertaining to the implementation of the *mitigating measures* as stipulated in each section of the Chapter 7 of the Basic Assessment Report; will be extremely important. We will appreciate it if the UFS can obtain access to the Environmental Management Plan and the contact details of the Environmental Control Officer (when available).
5. Kindly note that our internal procedure pertaining to the registration of servitudes over UFS properties, is an extensive process and subject to final approval by the Minister of Higher Education (in terms of the Higher Education Act). Your client thus needs to engage with the UFS as soon as possible regarding:
  - The exact route over UFS property/ies
  - Valuation and Solatium
  - Draft Servitude agreement(s)

The UFS reserves the right to elaborate on this matter, should it become necessary.

Yours faithfully

  
Digitally signed  
by Albie Louw  
Date: 2024.06.26  
13:04:46 +02'00'  
**Albie Louw**  
Assistant Director: Property Management  
University Estates

CC: Mr. N. Janse van Rensburg

## Marianna Taljaard

---

**From:** Xhariep  
**Sent:** Monday, 01 July 2024 15:44  
**To:** Albie Louw; Xhariep  
**Cc:** Nico Janse Van Rensburg; Marianna Taljaard; Corlie Steyn  
**Subject:** RE: HARIEP WATER PIPELINE/ WATERPYPLYN: Notification/ Kennisgewing: Public Participation Process/Publieke Deelnameproses: DFFE Ref No/ Verw Nr: 14/12/16/3/3/1/2996  
**Attachments:** UFS\_BAR Xhariep Pipeline\_260624.pdf; Letter to UFS \_ Zutari Project Team \_ Final.pdf

Good Day Albie,

Trust this mail finds you well.

Please see attached response from the project team in reference to your letter attached and email below dated 26 June 2024.

Kind Regards

**Marianna Taljaard**

PROJECT ADMINISTRATOR, ENVIRONMENT AND PLANNING | ZUTARI

---

**M** +27-74-0532214 **E** [Marianna.Taljaard@zutari.com](mailto:Marianna.Taljaard@zutari.com) **W** [zutari.com](http://zutari.com)

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**From:** Albie Louw <[LouwA1@ufs.ac.za](mailto:LouwA1@ufs.ac.za)>  
**Sent:** Wednesday, June 26, 2024 1:13 PM  
**To:** Xhariep <[xhariep@zutari.com](mailto:xhariep@zutari.com)>  
**Cc:** Nico Janse Van Rensburg <[JVREnsNJ@ufs.ac.za](mailto:JVREnsNJ@ufs.ac.za)>; Marianna Taljaard <[Marianna.Taljaard@zutari.com](mailto:Marianna.Taljaard@zutari.com)>  
**Subject:** HARIEP WATER PIPELINE/ WATERPYPLYN: Notification/ Kennisgewing: Public Participation Process/Publieke Deelnameproses: DFFE Ref No/ Verw Nr: 14/12/16/3/3/1/2996

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Good day

Attached find our comments pertaining to the draft Basic Assessment Report: Xhariep Water Pipeline project.

Regards



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**Albie Louw** *Pr. Pln A1117/1999*

Assistant Director: Property Management - University Estates

PO Box 339, Bloemfontein, 9300, Republic of South Africa

051 4019207

[LouwA1@ufs.ac.za](mailto:LouwA1@ufs.ac.za)



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28 June 2024

Albie Louw  
PO Box 339  
BLOEMFONTEIN, 9300  
Tell. no: 051 401 9111  
Email: LouwA1@ufs.ac.za

Dear Albie Louw

**Greater Mangaung Water Augmentation Project: Xhariep Pipeline (Scheme 1B), Mangaung Metropolitan Municipality, Free State**

Your letter dated 26 June 2024 has reference.

Thank you for making the time to attend to engagement meeting on 11 June 2024 in Bloemfontein.

Zutari would like to confirm the following in this regard.

1. The University of the Free State (UFS) has been registered as an Interested and Affected Party (I&AP) on the project database.
2. It is noted that the UFS is a registered owner of properties that may be affected by the planned pipeline route 1B as well as the proximity of the proposed pipeline to the UFS Paradys Experimental Farm.
3. Thank you for the acknowledgement of the importance of this key priority project.
4. Please note that Annexure G of the Draft BAR is the Draft Environmental Management Plan (EMPr) for the project. It has also been attached to this email for ease of reference. The Final EMPr will be submitted to the competent authority the Department of Forestry, Fisheries and the Environment (DFFE) and can also be shared with you at the time. It will be communicated to the client, Department of Water and Sanitation (DWS) to share the details of the Environmental Control Officer (ECO) with you when the person is appointed.
5. It is noted that the internal process at the UFS pertaining to the registration of servitudes over the UFS is an extensive process and subject to final approval of the Minister of Higher Education. DWS will be informed to engage the UFS as possible regarding the exact route over the UFS properties, Valuation and Solatium as well as Draft Servitude agreements.

Furthermore, please note Zutari's appointment is for the detailed feasibility phase of the project, whereafter DWS will appoint a professional service provider to undertake the detailed design and construction supervision. However, in terms of engagements between landowners and DWS, the following processes are likely to be followed:

- i. The Sub Directorate: Land Rights Administration (LRA) is the unit within the Department of Water and Sanitation (DWS) responsible for all land-related matters nationwide. The LRA unit is situated in Pretoria.
- ii. After a detailed feasibility phase is approved, an instruction is given to the LRA by the DWS Project Manager to acquire the land and servitudes needed for the project.



- iii. The LRA will then obtain approval from the Minister of Water and Sanitation to engage affected landowners regarding the procurement of land and registration of servitudes. Once approval is granted, the LRA will commence engagements, which will include one-on-one meetings, with all affected owners/persons/institutions.

Yours faithfully

Stephan Kleynhans  
  
Signed by: Stephan Kleynhans,  
stephan.kleynhans@cofat.com

---

Stephan Kleynhans  
Design Director

Copies:

vanjaarsvelds@dws.gov.za

Mr N Janse van Rensburg





## Marianna Taljaard

---

**From:** Corlie Steyn  
**Sent:** Wednesday, 26 June 2024 15:50  
**To:** MMatlala Rabothata  
**Cc:** Marianna Taljaard  
**Subject:** RE: XHARIEP WATER PIPELINE/ WATERPYPLYN: Notification/ Kennisgewing: Public Participation Process/Publieke Deelnameproses: DFFE Ref No/ Verw Nr: 14/12/16/3/3/1/2996  
**Attachments:** Ann D.8.1\_Xhariep Biodiversity (Fauna and Flora) Impact Assessment.pdf; Ann D.8.2 \_Xariep Biodiversity Aquatic Assessment.pdf

Good afternoon Matlala,

Please see attached the Biodiversity specialist reports.

Kind regards

**Corlie Steyn** *EAPASA., MPhil, (Environmental Management)*

SENIOR CONSULTANT, ENVIRONMENT AND PLANNING | ZUTARI

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E [Corlie.Steyn@zutari.com](mailto:Corlie.Steyn@zutari.com) W [zutari.com](http://zutari.com)

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**From:** MMatlala Rabothata <MRABOTHATA@dffe.gov.za>  
**Sent:** Wednesday, June 26, 2024 3:44 PM  
**To:** Corlie Steyn <Corlie.Steyn@zutari.com>  
**Subject:** RE: XHARIEP WATER PIPELINE/ WATERPYPLYN: Notification/ Kennisgewing: Public Participation Process/Publieke Deelnameproses: DFFE Ref No/ Verw Nr: 14/12/16/3/3/1/2996

Afternoon,

Please forward me the Biodiversity specialist studies.

---

**From:** Corlie Steyn <[Corlie.Steyn@zutari.com](mailto:Corlie.Steyn@zutari.com)>  
**Sent:** Wednesday, 26 June 2024 15:22  
**To:** BC Admin <[bcadmin@dffe.gov.za](mailto:bcadmin@dffe.gov.za)>; Seoka Lekota <[SLEKOTA@dffe.gov.za](mailto:SLEKOTA@dffe.gov.za)>  
**Cc:** MMatlala Rabothata <[MRABOTHATA@dffe.gov.za](mailto:MRABOTHATA@dffe.gov.za)>; Lindiwe Victoria Dlamini <[LVDlamini@dffe.gov.za](mailto:LVDlamini@dffe.gov.za)>; Marianna Taljaard <[Marianna.Taljaard@zutari.com](mailto:Marianna.Taljaard@zutari.com)>  
**Subject:** RE: XHARIEP WATER PIPELINE/ WATERPYPLYN: Notification/ Kennisgewing: Public Participation Process/Publieke Deelnameproses: DFFE Ref No/ Verw Nr: 14/12/16/3/3/1/2996  
**Importance:** High

Good day Mr Seoka,

In reference to my email below please see the updated shapefile attached.  
Please do not hesitate should you have questions.

Kind regards

**Corlie Steyn** *EAPASA., MPhil, (Environmental Management)*

SENIOR CONSULTANT, ENVIRONMENT AND PLANNING | ZUTARI

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**From:** Corlie Steyn  
**Sent:** Wednesday, June 26, 2024 2:41 PM  
**To:** [bcadmin@dfpe.gov.za](mailto:bcadmin@dfpe.gov.za); Seoka Lekota <[SLEKOTA@dfpe.gov.za](mailto:SLEKOTA@dfpe.gov.za)>  
**Cc:** MMatlala Rabothata <[MRABOTHATA@dfpe.gov.za](mailto:MRABOTHATA@dfpe.gov.za)>; [LVDlamini@dfpe.gov.za](mailto:LVDlamini@dfpe.gov.za); Marianna Taljaard <[Marianna.Taljaard@zutari.com](mailto:Marianna.Taljaard@zutari.com)>  
**Subject:** RE: XHARIEP WATER PIPELINE/ WATERPYPLYN: Notification/ Kennisgewing: Public Participation Process/Publieke Deelnameproses: DFFE Ref No/ Verw Nr: 14/12/16/3/3/1/2996  
**Importance:** High

Good day Mr Seako,

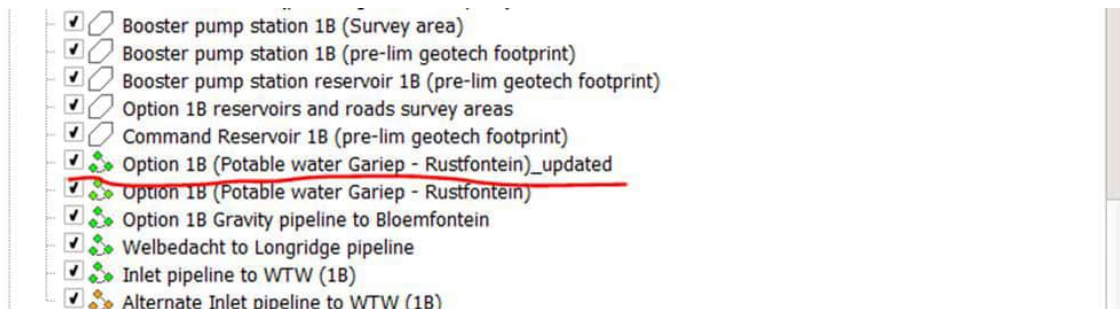
I hope you are doing well.

We are getting close to the end of our PP period on the Xhariep project.

Input from landowners and specialists lead to a slight change in the route:(i) to accommodate the landowner, and ii) for the pipeline route to follow existing infrastructure, which is generally preferable from a disruption and maintenance perspective. It will, however, be a bit more expensive due to the longer pipeline route, hence the original alignment.

Please see the new route attached (Krapfontein Farms\_alternative image)

Attached is also the new kmz. The new route alignment is underlined in red in the screenshot below, note that the old one is still part of the kmz file.



The pipe length only changed by just under 500m: Total pipeline length went from 244.4km to 244.9km.

The new details are:

| Component   | Capacity (m <sup>3</sup> /s) <sup>(1)</sup> | Capacity (Ml/d) <sup>(1)</sup> | Estimated Footprint (m <sup>2</sup> ) |
|---|---|--------------------------------|---------------------------------------|
| Gariep Low Lift Pump Station  | 3.8   | 328.1                          | 10,000                                |
| Gariep WTP  | -   | 312                            | 600,000                               |
| Gariep High Lift Pump Station   | 3.62  | 312.4                          | (included in WTP above)               |
| Command Reservoir (3 sites)   | -   | 80 Ml                          | 112,500                               |
| Booster Pump Station  | 3.62  | 312.4                          | 10,000                                |
| Gariep Pipeline<br>(188.99 km, 1800 Ø)                                | 3.62  | 312.4                          | 7,559,600                             |
| Gravity Pipeline to Brandkop<br>(31.37 km, 2000 Ø)                    | 3.62  | 312.4                          | 1,254,800                             |
| Gravity Pipeline to Rustfontein Pump<br>Station<br>(24.52 km, 1400 Ø) | 2.43  | 209.8                          | 980,800                               |

|                                  |   |   |                   |
|----------------------------------|---|---|-------------------|
| Substation (2 sites)             | - | - | 45,000            |
| <b>Total (m²)</b>                |   |   | <b>10,572,700</b> |
| Total (ha)                       |   |   | 1,057             |
| <b>Total excl. pipeline (m²)</b> |   |   | <b>777,500</b>    |
| Total excl. pipeline (ha)        |   |   | 78                |

Please do not hesitate should you have questions.

We are aiming to send the amended shapefile soonest.

Kind regards

**Corlie Steyn** *EAPASA., MPhil, (Environmental Management)*

SENIOR CONSULTANT, ENVIRONMENT AND PLANNING | ZUTARI

E [Corlie.Steyn@zutari.com](mailto:Corlie.Steyn@zutari.com) W [zutari.com](http://zutari.com)

DISCLAIMER

**From:** Corlie Steyn

**Sent:** Monday, June 10, 2024 2:08 PM

**To:** [bcadmin@dfpe.gov.za](mailto:bcadmin@dfpe.gov.za); Seoka Lekota <[SLEKOTA@dfpe.gov.za](mailto:SLEKOTA@dfpe.gov.za)>

**Cc:** MMatlala Rabothata <[MRABOTHATA@dfpe.gov.za](mailto:MRABOTHATA@dfpe.gov.za)>; [LVDlamini@dfpe.gov.za](mailto:LVDlamini@dfpe.gov.za); Marianna Taljaard <[Marianna.Taljaard@zutari.com](mailto:Marianna.Taljaard@zutari.com)>

**Subject:** XHARIEP WATER PIPELINE/ WATERPYPLYN: Notification/ Kennisgewing: Public Participation Process/Publieke Deelnameproses: DFFE Ref No/ Verw Nr: 14/12/16/3/3/1/2996

**Importance:** High

For Attention: Mr Seoka Lekota

We refer to your email dated 6 June 2024.

Please see attached the shapefiles that you have requested.

Please let us know should you need any other information.

Kind regards

**Corlie Steyn** *EAPASA., MPhil, (Environmental Management)*

SENIOR CONSULTANT, ENVIRONMENT AND PLANNING | ZUTARI

E [Corlie.Steyn@zutari.com](mailto:Corlie.Steyn@zutari.com) W [zutari.com](http://zutari.com)



Zutari is a proud B-BBEE Level 1 contributor in South Africa.

DISCLAIMER



# forestry, fisheries & the environment

Department:  
Forestry, Fisheries and the Environment  
REPUBLIC OF SOUTH AFRICA

Private Bag X 447 · PRETORIA · 0001 · Environment House · 473 Steve Biko Road, Arcadia, · PRETORIA

DFFE Reference: 14/12/16/3/3/1/2996

Enquiries: Ms Olivia Letlalo

Telephone: (012) 399 8815 E-mail: [oletlalo@dffe.gov.za](mailto:oletlalo@dffe.gov.za)

Mr Corlie Steyn  
Zutari (Pty) Ltd  
P.O. Box 509  
George  
6530

Telephone Number: 044 805 5400  
Cell phone: 082 5757 415  
Email Address: [Corlie.steyn@zutari.com](mailto:Corlie.steyn@zutari.com)

## PER MAIL / E-MAIL

Dear Mr Steyn

### COMMENTS ON THE DRAFT BASIC ASSESSMENT REPORT FOR THE PROPOSED GREATER MANGAUNG WATER AUGMENTATION PROJECT: XHARIEP PIPELINE (SCHEME 1B), MANGAUNG METROPOLITAN MUNICIPALITY, FREE STATE

The draft Basic Assessment Report (BAR) dated 24 May 2024 and received by this Department on 30 May 2024, refer.

This letter serves to inform you that the following information must be included to the final BAR:

#### Listed Activities, Application Form and Project Description

- It is noted that the project description pertaining to the proposed development is not clear and understandable. Therefore, you are requested to provide the project description in a **point form** in order to for the Department to understand when reviewing this application. For instance, it has been noted that the proposed development will include reservoirs and pumpstations, however, it is unclear as to how many reservoirs and pumpstations are required. As such, you are required to indicate number of reservoirs required, threshold and their coordinates.
- Flowing from above, you are required to describe the route of the proposed pipeline and provide the coordinates of this pipeline (start, middle and end) as well as the tie-points as indicated in the application form.
- Page 9 of 67 of the application form indicate that *“ancillary infrastructure is also required and must be included in the environmental authorisation application which includes power supply (Eskom confirmed that the network can accommodate the project and that in time the application will be done by the relevant applicant), access roads and borrow pits (if applicable, to be determined during the geotechnical investigation)”*. However, it is unclear what type of power supply is required. Please clarify and specify? Should the power supply trigger listed activity/ies, then the listed activity must be included in the application form and adequately assessed.

*M*

- For all the listed activities applied for, on page 29 to 34 of 67 of the application form (section 8), please indicate the applicable sub-activity(ies) on the column named “**activity no(s)**”. for example, activity 24 (ii).
- It is noted that activity 14 of listing notice (LN) 1 has been applied for, due to the storage of dangerous goods, however, it has been mentioned in the description of the project that “*combined capacity will not exceed 500 cubic metres but will be more than 80 cubic metres*”. Please indicate the exact capacity and type of the dangerous goods to be stored and **indicate the location of the dangerous goods on the layout map**. The Department acknowledges that “*during construction cement and hydrocarbons may be stored in the construction camps, but it has been established that the combined capacity will not exceed 500 cubic metres but will be more than 80 cubes. At the Water Treatment Plant (WTP) on-site chemical storage and volume will depend on the type of treatment required, which is still being investigated*”. Please refrain from using the word such as “**may be**” since it creates uncertainty pertaining to the applicability of this listed activity and ensure that the revised application form and final BAR provide clear detailed information for decision making. Failure to provide such information it will put this application at risk.
- It has been noted that activity 24 (ii) of LN 1 has been applied for the development of new roads which will be over 1km in length and wider than 8m. Please be advised that for this activity to be triggered the proposed road with reserve must be wider than 13,5 meters, or where no reserve exists where the road must be wider than 8 meters. Please ensure that this activity exact width information is included in the amended application form in order to determine the applicability of this activity
- For activity 27 of LN 1, it is indicated that “*the total clearance in reference to the non-linear infrastructure will be less than 20 ha*”. Please indicate the exact amount of indigenous vegetation to be cleared for the non-linear infrastructure.
- For activity 2 of LN 3 it has been mentioned that “*construction of the reservoirs will occur outside of urban areas and within areas indicated as CBA*”. Please indicate if it is CBA 1 or 2.
- For applicability of activity 4 of LN 3 it has been mentioned that “*the construction of a road wider than 4m with a reserve of less than 13.5m (no reserve) will be required outside the urban area and within areas indicated as CBA, as the existing access roads*”. Please indicate the exact dimensions of the proposed road and then existing road reserve and the type of CBA (either 1 or 2).
- For activity 12 of LN 3 it is not clear why this listed activity is triggered since the applicable sub activities have not been mentioned.
- For all listed activities of LN 3, please ensure that the sub activities are included in the description of the portion of the proposed project to which the applicable listed activity relates.
- It has been noted that the activity 2, 4, 10, 14 and 18 of LN 3 have been applied. Please indicate the type of **CBA** which is going to be affected by the proposed development and furthermore indicate if the systematic biodiversity plans or the bioregional plans have been adopted by the competent authority in order to determine the applicability of these listed activities. Proof of such must be obtained from the relevant CA and be submitted with the amended application form and final report.
- It has been noted that the word such as “**may/likely**” have been used while describing the applicability of the activities applied for. It is drawn to your attention that the use of such word(s) creates uncertainty, therefore, you are advised to refrain from using such words and further ensure that the applicability of the triggered activities is clear in the amended application form and final BAR.
- Kindly be advised that listed activities are not based on a precautionary approach. Please ensure that all the listed activities in the amended application form and final BAR are clear and final for decision making purposes.
- Please ensure that all relevant listed activities are applied for, are specific and can be linked to the development activity or infrastructure as described in the project description. Only activities applicable to the development must be applied for and assessed.
- If the activities applied for in the application form differ from those mentioned in the final BAR, an amended application form must be submitted. Please note that the Department’s application form template has been amended and can be downloaded from the following link <https://www.environment.gov.za/documents/forms>.



### **Layout and Sensitivity Maps**

- The CA acknowledges the layout maps submitted with the amended draft BAR.
- Ensure that the 32m buffer zone around each watercourse recommended by the aquatic specialist is implemented and shown in the layout and sensitivity maps. All buffers recommended by all specialists must be depicted in the final layout plan for decision making purposes.
- You are therefore requested to provide a layout map which indicates the following:
  - The development area.
  - Position of all proposed and associated infrastructure as per section 5 of the application form (i.e. project description) but not limited to:
    - ✓ The low lift pump station,
    - ✓ A WTP with sludge lagoons with a high lift pump station,
    - ✓ A command reservoir,
    - ✓ A booster pump station and suction reservoir,
    - ✓ A 2nd command reservoir, and,
    - ✓ The pipeline route from the Gariep Dam to the connection points at Bloemfontein and Rustfontein pump Station.
  - All supporting onsite infrastructure e.g., roads (existing and proposed).
  - All existing infrastructure on the site.
  - The location of sensitive environmental features on site e.g., CBAs, ESAs, heritage sites, wetlands, drainage lines etc. that will be affected.
  - Buffer areas of the above sensitive areas.
  - All “no-go” areas.
- Please ensure that the above map has a clear legend that communicates with details of the map.
- The above map must be overlain with a sensitivity map and a cumulative map which shows all the components of the proposed development as well as neighbouring renewable energy developments and existing grid infrastructure. All available biodiversity information must be used in the finalisation of the map and infrastructure must not encroach on highly sensitive areas as far as possible.
- Ensure that similar colours are not used to differentiate between infrastructure. i.e., items must be easily distinguishable on the legend.
- Google maps will not be accepted for decision-making purposes.

### **Alternatives**

- According to the terrestrial biodiversity impact assessment specialist submitted with the draft BAR as (annexure D 8.1), the proposed development will affect areas considered as five veldtypes / ecosystems, two of which are threatened with a status of ‘Vulnerable’. Considering the above, the Competent Authority advise that an evaluation of alternative site layouts and locations should be considered to avoid the aforesaid veldtypes / ecosystems, by the proposed development.
- Map 1 of the sensitive areas (appendix B1. A3) shows that the pipeline will cross several CBAs, watercourses and other sensitive areas. Considering the above, the Competent Authority advise that an evaluation of alternative site layouts and locations should be considered to avoid the CBAs.
- Map 2 of the sensitive areas (appendix B2. A3) shows that the pipeline and reservoir no 2 will cross several CBAs, watercourses and other sensitive areas. Considering the above, the Competent Authority advise that an evaluation of alternative site layouts and locations should be considered to avoid the CBAs.
- It has been indicated on page on page 73 of the draft BAR that no feasible or reasonable alternatives have been identified.
- Please note that Appendix 1(3)(1)(h)(x) of the Environmental Impact Assessment (EIA) Regulations, 2014, as amended, requires that “if no alternatives, including alternative locations for the activity were investigated, the motivation for not considering such” must be included in the final BAR. You are therefore required to provide a motivation should other alternative sites, routes, layouts, and technologies not be considered.  
*Should there be no site or location alternative considered, you are advised to ensure that the proposed*

*development avoid the abovementioned sensitive area in the final layout to be submitted with the final development.*

- A description of the process followed to reach the preferred alternative within the site as per Appendix 1(3)(1)(h)(i) of the EIA Regulations (2014), as amended, must be incorporated into the final BAR.

### **Screening tool report**

- It has been noted that there are no compiler signatures on the screening tool reports (page 1 of 15). Please submit the signed screening tools with the amended application form and final BAR.

### **Specialist Assessments**

- Please ensure that specialist studies as identified in the screening tool, comply with the requirements of GN 320 of 20 March 2020 and GN 1150 of 30 October 2020, unless proof is provided that indicates that the specialist study was commissioned within 50 days after the date of gazetting of the notice i.e., 20 March 2020 and was commissioned prior to 30 October 2020 respectively. Failure to comply with the abovementioned notices presents a risk to this application.
- Please note further that the protocols require certain specialists' to be registered with SACNASP. Refer to the relevant protocols in this regard.
- Specialist Declaration of interest forms must be attached for all specialist studies to be conducted in the final BAR. The forms are available on Department's website (please use the Department's template).
- Specialist studies to be conducted must provide a detailed description of their methodology, as well as indicate the locations and descriptions of proposed rehabilitation, and all other proposed structures that they have assessed and are recommending for authorisations.
- The specialist studies must also provide a detailed description of all limitations to their studies. All specialist studies must be conducted in the right season and providing that as a limitation, will not be accepted.
- Should the appointed specialists specify contradicting recommendations, the EAP must clearly indicate the most reasonable recommendation and substantiate this with defensible reasons; and where necessary, include further expertise advice.
- Please include a table in the final BAR summarising the specialist studies required by the Screening Tool, a column indicating whether these studies will be conducted or not, and a column with motivation for any studies that will not be undertaken. Please note that if any of the specialists' studies and requirements recommended in the Department's Screening Tool are not commissioned, motivation for such must be provided in the report, as per the requirements of the Protocols.
- Should it be determined that there is a need for additional specialist studies to be undertaken based on the outcome of public participation, these must be commissioned and be included in the draft EIA reports for public comment.

### **Public Participation Process**

- The final BAR must provide evidence that all identified and relevant competent authorities have been given an opportunity to comment on the proposed development, including but not limited to Kopanong Local Municipality, Mangaung Metropolitan Municipality, Xhariep District Municipality, Free State Department: Community Safety, Roads and Transport, National Department: Agriculture, Land Reform and Rural Development (DALRRD), Free State Department of Health, Free State Department of Public Works and Infrastructure, South African National Defence Force: Tempe Military Base: Bloemfontein, South African Civil Aviation Authority, South African National Roads Agency (SANRAL), Free State Department of Rural Development and Land Reform, Wildlife and Environment Society of South Africa (WESSA), Birdlife Africa, Department of Water and Sanitation (DWS), Endangered Wildlife Trust (EWT), South African Heritage Resources Agency (SAHRA), SANBI, Department of Sports, Art, Culture and Recreation, South African Department of Defence, South African Civil Aviation Authority (CAA), Air Traffic and Navigation Services (ATNS), BirdLife South Africa, Wildlife and Environment Society of South Africa (WESSA), South African National Parks, Department of Environmental Affairs: Protected Areas and the Department of Forestry, Fisheries and the Environment (DFFE): Biodiversity Conservation (BCAdmin@environment.gov.za).

- Proof of correspondence with the various stakeholders must be included in the amended BAR. This must indicate that this draft BAR has been subjected to 30 days' public participation process, stating the start and end date of the PPP. Should you be unable to obtain comments, proof must be submitted to the Department of the attempts that were made to obtain comments.
- Please ensure that all issues raised, and comments received during the circulation of the draft BAR from registered I&APs and organs of state which have jurisdiction (including this Department's Biodiversity Section) in respect of the proposed activity are adequately addressed in the final BAR.
- A comment and response report which contains all comments received and responses provided to all comments and issues raised during the public participation process for the draft BAR. Please note that comments received from this Department must also form part of the comment and response report.
- The Public Participation Process must be conducted in terms of Regulations 39, 40, 41, 42, 43 & 44 of the EIA Regulations 2014, as amended.

### **Cumulative Assessment**

- Should there be any other similar projects within a 30km radius of the proposed development site, the cumulative impact assessment for all identified and assessed impacts must be refined to indicate the following:
  - Assess the cumulative impacts of the proposed (not yet authorised), authorised (not yet constructed) and existing facilities in the area.
  - Detailed process flow and proof must be provided, to indicate how the specialist's recommendations, mitigation measures and conclusions from the various similar developments in the area were taken into consideration in the assessment of cumulative impacts and when the conclusion and mitigation measures were drafted for this project.
  - The cumulative impacts significance rating must also inform the need and desirability of the proposed development.
  - A cumulative impact environmental statement on whether the proposed development must proceed.

### **Environmental Management Programme (EMPr)**

- Kindly ensure that the EMPr complies with the content of the EMPr in terms of Appendix 4 of the Environmental Impact Assessment Regulations, 2014, as amended.
- It has been noted that the proposed development will include power supply. Should this power supply trigger activity 11 of LN 1 a generic EMPr must be submitted with the final BAR.

### **Specific Comments**

- Just to reiterate, the final BAR must include a list providing a clear description of the infrastructure associated with the development.
- All associated infrastructure must be clearly indicated in the final BAR under project description and its associated layout plans.
- When submitting the final BAR and future documents kindly name each of the documents and attachments according to the information it contains e.g., instead of only naming it Appendix A, it must be Appendix A: Maps, Appendix B: EAP Declaration etc.
- **The EAP must provide an outline of where in the final BAR each of this Department's comments are addressed. This must be a separate document and must be submitted as an appendix to the final BAR.**

### **General**

You are further reminded to comply with Regulation 19(1)(a) of the NEMA EIA Regulations, 2014, as amended, which states that: *"Where basic assessment must be applied to an application, the applicant must, within 90 days of receipt of the application by the competent authority, submit to the competent authority – (a) a basic assessment report, inclusive of any specialist reports, an EMPr, a closure plan in the case of a closure activity and where the application is a mining application, the plans, report and calculations contemplated in the Financial*

*Provisioning Regulations, which have been subjected to a public participation process of at least 30 days and which reflects the incorporation of comments received, including any comments of the competent authority”.*

Should there be significant changes or new information that has been added to the BAR or EMPr which changes or information was not contained in the reports or plans consulted on during the initial public participation process, you are required to comply with Regulation 19(1)(b) of the NEMA EIA Regulations, 2014, as amended, which states: *“the applicant must, within 90 days of receipt of the application by the competent authority, submit to the competent authority – (b) a notification in writing that the documents contemplated in sub-regulation 1(a) will be submitted within 140 days of receipt of the application by the competent authority, as significant changes have been made or significant new information has been added to the documents which changes or information was not contained in the original documents consulted on during the initial public participation process contemplated in sub-regulation (1)(a) and that the revised documents will be subjected to another public participation process of at least 30 days.”*

Should you fail to meet any of the timeframes stipulated in Regulation 19 of the NEMA EIA Regulations, 2014, as amended, your application will lapse.

You are hereby reminded of Section 24F of the National Environmental Management Act, Act No. 107 of 1998, as amended, that no activity may commence prior to an Environmental Authorisation being granted by the Department.

Yours sincerely



**Dr Sabelo Malaza**

**Chief Director: Integrated Environmental Authorisations**

**Department of Forestry, Fisheries and the Environment**

**Letter signed by: Mahlatse Shubane**

**Designation: Deputy Director (Acting): Priority Infrastructure Projects**

**Date: 27 June 2024**

|     |   |  |  |
|-----|---|--|--|
| CC: | Mrs Sanet van Jaarsveld                                 | Department Water and Sanitation  | E-mail: <a href="mailto:vanjaarsvelds@dws.gov.za">vanjaarsvelds@dws.gov.za</a>   |
|     | Mr Marshall Madolo                                      | Kopanong Local Municipality  | E-mail: <a href="mailto:Marshall.mmm@gmail.com">Marshall.mmm@gmail.com</a>   |
|     | Ms G Mkhosana and<br>Acting Director Dr Sandile<br>Fuku | Department of Economic, Small Business<br>Development, Tourism and Environmental<br>Affairs (DESTEA) | E-mail: <a href="mailto:masoetsad@destea.gov.za">masoetsad@destea.gov.za</a><br>and <a href="mailto:fuku@destea.gov.za">fuku@destea.gov.za</a> |

## Marianna Taljaard

**From:** Xhariep  
**Sent:** Wednesday, 03 July 2024 11:32  
**To:** Nicole Abrahams (WR); Xhariep; Marianna Taljaard; corlie steyn  
**Subject:** RE: XHARIEP WATER PIPELINE/ WATERPYPLYN: Notification/ Kennisgewing: Public Participation Process/Publieke Deelnameproses: DFFE Ref No/ Verw Nr: 14/12/16/3/3/1/2996  
**Attachments:** Background Information Document\_Xariep\_Final.pdf

Good day Nicole,

Please see the BID attached.

Please be informed that Zutari (Pty) Ltd has been appointed by the Department of Water and Sanitation (DWS) to undertake the environmental authorisation application is required in terms of the National Environmental Management Act (Act No. 107 of 1998) (NEMA) via a Basic Assessment (BA) process, per the 2014 EIA Regulations, as amended, as well as a Water Use Licence application (WULA) in terms of the National Water Act (Act No. 36 of 1998) for the Xhariep pipeline as part of the Greater Mangaung Water Augmentation Project (see Background Information Document attached).

DWS is proposing to construct a potable water pipeline from the Gariep Dam wall, connecting to the existing bulk water distribution system for the Greater Bloemfontein Water Supply System (GBWSS). The proposed scheme will traverse the Xhariep District Municipality and the Kopanong Local Municipality, as well as the Mangaung Metropolitan Municipality. The project has three key (internal) stakeholders: (i) DWS Head Office (ii) Vaal Central Water Board, and (iii) Mangaung Metropolitan Municipality. The project falls into the ambit of Strategic Integrated Projects (SIPS) 18 and 19, namely Water and Sanitation Infrastructure. Zutari (Pty) Ltd are the independent environmental consultants who are undertaking the environmental authorisation and water use licence applications. The competent authority is the Department of Forestry, Fisheries and the Environment (DFFE). The proposed route is known as Scheme 1B and will be a potable water pipeline from Gariep Dam to Bloemfontein (mostly along the N1) and Botshabelo / Thaba Nchu, consisting of:

- ☐ Tie-in at existing pipeline downstream of Gariep Dam
- ☐ A low-lift pumpstation at or near the connection to the Gariep Dam
- ☐ A water treatment works (WTW) with a high-lift pumpstation
- ☐ A command reservoir
- ☐ A booster pumpstation
- ☐ A second command reservoir
- ☐ The entire pipeline route from the Gariep Dam to the connection points in Bloemfontein and near Rustfontein WTW (supplying Botshabelo / Thaba Nchu)

The listed activities in the regulations that are triggered by this proposed project are as follows:

| <b>National Environmental Management Act - BA</b>   | <b>National Water Act</b>  |
|---|--|
| <b>Competent Authority – DFFE</b>   | <b>Competent Authority</b>   |
| <ul style="list-style-type: none"><li>• Listing Notice 1, Activity 9, 11, 12, 13, 14, 19 and 27 (Activities which require authorisation via a Basic Assessment)</li><li>• Listing Notice 3, Activity 4, 10 and 12 (Activities that are geographically bound and which require authorisation via a</li></ul> | <ul style="list-style-type: none"><li>• Section 21 (a): A</li><li>• Section 21 (b): S</li><li>• Section 21 (c): watercourse.</li><li>• Section 21 (i):</li></ul> |

**The draft Basic Environmental Assessment Report is available for comment for a period of 30 days, from the 3rd of June 2024 to the 4th of July 2024, at the following locations:**

- ☐ Hard copies at: Gariepdam Library - 11 Patrys Street; Edenburg Library - 16 Church Street; Trompsburg Library – 78 Voortrekker Street; Lourierpark Library - Cnr Doringklaat & Nanabessie Streets, Lourier Park, Bloemfontein
- ☐ Electronic copy at:  
<https://geoverse.zutari.com/portal/apps/experiencebuilder/experience/?id=2f48681c19a24836bcfc03da3c653c3a> or  
<https://www.dws.gov.za/projects.aspx>

**Comments on the water use licence application may be submitted for a period of 60 days, from 3rd of June 2024 to the 5th of August 2024.**



If you wish to register as an Interested and Affected Party and/or submit comments or concerns, please do so in writing by either using the online registration and comment form at these links:

<https://survey123.arcgis.com/share/592a24050e154524b919d662e9a37b3e?portalUrl=https://geoverse.zutari.com/portal>



or by sending an email to [xhariep@zutari.com](mailto:xhariep@zutari.com)

If necessary, you may also register telephonically during office hours with Marianna Taljaard at +27-44-805-5410.

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Geagte geïdentifiseerde Belanhebbende en/of Geïnterreseerde Party

Neem asseblief kennis dat Zutari (Edms) Bpk is deur die Departement Water en Sanitasie (DWS) aangestel om die omgewingsmagtigingsproses vir die Xhariep Pyplyn as deel van die Groter Mangaung Water Aanvullingskema, in terme van die Nasionale Wet op Omgewingsbestuur (WNOP, Wet Nr. 107 van 1998, soos gewysig), te onderneem, deur middel van 'n Basiese Invloedbepalingsproses (BIBP), ingevolge die 2014 Omgewingsinvloedbepalings (OIB) Regulasies, soos gewysig. 'n watergebruikslisensie aansoek (WA) in terme van die Nasionale Waterwet (Wet Nr. 36 van 1998) word ook gevolg (sien aangehegte Agtergrond Inligtingsdokument).

DWS beoog om 'n drinkwaterpypleiding wat deel vorm van 'n water aanvullingskema vanaf die Gariep Damwal, te bou. Die pypleiding sal 'n aansluitingspunt hê by die bestaande grootmaat watersverspreidingsstelsel vir die Groter Bloemfontein Watervoorsieningsstelsel (GBWSS). Die voorgestelde skema deurkruis die Xhariep Distrikmunisipaliteit en die Kopanong Plaaslike Munisipaliteit, sowel as die Mangaung Metropolitaanse Munisipaliteit. Die projek bestaan uit drie sleutel (interne) belanghebbendes: (i) DWS Hoofkantoor (ii) Vaal Sentrale Waterraad, en (iii) Mangaung Metropolitaanse Munisipaliteit. Die projek val in die bestek van die Strategiese Geïntegreerde Projekte (SIPS) 18 en 19, naamlik Water en Sanitasie Infrastruktuur. Zutari (Edms) Bpk is die onafhanklike omgewingskonsultant wat die omgewingsmagtigings- en watergebruikslisensie aansoeke onderneem. Die Departement van Bosbou, Visserye en die Omgewing (DBVO) is die bevoegde owerheid wat die aansoek sal oorweeg. Die voorgestelde roete staan bekend as Skema 1B en sal 'n drinkwaterpypleiding wees vanaf die Gariep Dam tot by Bloemfontein (meestal langs die N1) en Botshabelo/ Thaba Nchu. Dit sal bestaan uit die volgende infrastruktuur:

- ☐ Aansluiting by bestaande pypleiding, stroomaf van die Gariep Dam
- ☐ 'n Lae-lig pompstasie by, of naby, die aansluiting met die Gariep Dam
- ☐ 'n Watersuiweringswerke (WTW) met 'n hoë-lig pompstasie
- ☐ 'n Bulk reservoir
- ☐ 'n Aanjaerpompstasie
- ☐ 'n Tweede bulk reservoir
- ☐ Die pypleidingroete vanaf die Gariep Dam tot by die aansluitingspunte in Bloemfontein asook naby Rustfontein WTW (verskaf water aan Botshabelo / Thaba Nchu)

Die gelyste aktiwiteite in die regulasies van toepassing tot die projek is as volg:

| Nasionale Omgewingswet - BIBP  | Nasionale Waterwet   |
|--|--|
| Bevoegde Owerheid: DBVO  | Bevoegde Owerheid  |
| <ul style="list-style-type: none"><li>Lysing kennisgewing 1, Aktiwiteite 9, 11, 12, 13, 14, 19 en 27 (Aktiwiteite wat bemagtiging vereis deur middel van 'n Basiese Invloedbepalingsproses)</li><li>Lysing kennisgewing 3, Aktiwiteite 4, 10 en 12 (Aktiwiteite wat geografies gebonde is en wat bemagtiging vereis deur</li></ul> | <ul style="list-style-type: none"><li>Gedeelte 21 (a):</li><li>Gedeelte 21 (b):</li><li>Gedeelte 21 (c):</li><li>'n rivier.</li><li>Gedeelte 21 (i):</li></ul> |

Die Konsep Basiese Invloedbepalingsverslag (KIBV) is beskikbaar vir kommentaar vir 'n tydperk van 30 dae, vanaf 3 Junie 2024 tot 4 Julie 2024, by die onderstaande plekke:

□ Harde kopieë by: Gariepdam Biblioteek - Patrysstraat 11; Edenburg Biblioteek - Kerkstraat 16; Trompsburg Biblioteek – Voortrekkerstraat 78; Lourierpark Biblioteek – Hoek van Doringklaat- & Nanabessiestrate, Lourierpark, Bloemfontein  
□ Elektroniese afskrif by:  
<https://geoverse.zutari.com/portal/apps/experiencebuilder/experience/?id=2f48681c19a24836bcfc03da3c653c3a> of  
<https://www.dws.gov.za/projects.aspx>

**Kommentaar kan op die watergebruikslisensie aansoek gelewer word vir 'n periode van 60 dae, vanaf 3 Junie 2024 tot 5 Augustus 2024.**

Indien u as 'n Belanghebbende en Geaffekteerde Party (B&GP) wil registreer en/ of kommentaar wil lewer, word u uitgenooi om dit asseblief skriftelik te doen, óf deur die gebruik van die aanlynregistrasie en kommentaarvorm as u ondergenoemde aanlynskakels volg:  
<https://survey123.arcgis.com/share/592a24050e154524b919d662e9a37b3e?portalUrl=https://geoverse.zutari.com/portal>



of per epos na [xhariep@zutari.com](mailto:xhariep@zutari.com)

Indien nodig, kan u ook binne kantoorure telefonies by Marianna Taljaard registreer, op +27-44-8055410.

Kind regards

**Corlie Steyn** EAPASA., MPhil, (Environmental Management)

SENIOR CONSULTANT, ENVIRONMENT AND PLANNING | ZUTARI

E [Corlie.Steyn@zutari.com](mailto:Corlie.Steyn@zutari.com) W [zutari.com](http://zutari.com)

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**From:** Nicole Abrahams (WR) <AbrahamsN@nra.co.za>

**Sent:** Wednesday, July 3, 2024 10:42 AM

**To:** Xhariep <xhariep@zutari.com>

**Subject:** FW: XHARIEP WATER PIPELINE/ WATERPYPLYN: Notification/ Kennisgewing: Public Participation Process/Publieke Deelnameproses: DFFE Ref No/ Verw Nr: 14/12/16/3/3/1/2996

You don't often get email from [abrahamsn@nra.co.za](mailto:abrahamsn@nra.co.za). [Learn why this is important](#)

Dear Marianna

Is there more information (BID) available please.

Regards

**Nicole Abrahams**

Environmental Coordinator

Western Region

Bellville, 7530,

T: 021 957 4602 | M: 062 215 8945

AbrahamsN@nra.co.za [www.sanral.co.za](http://www.sanral.co.za)

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**From:** Colene Runkel (WR) <[Runkelc@nra.co.za](mailto:Runkelc@nra.co.za)>

**Sent:** Tuesday, July 2, 2024 2:32 PM

**To:** Nicole Abrahams (WR) <[AbrahamsN@nra.co.za](mailto:AbrahamsN@nra.co.za)>

**Cc:** Sesethu Stono (WR) <[StonoS@nra.co.za](mailto:StonoS@nra.co.za)>

**Subject:** FW: XHARIEP WATER PIPELINE/ WATERPYPLYN: Notification/ Kennisgewing: Public Participation Process/Publieke Deelnameproses: DFFE Ref No/ Verw Nr: 14/12/16/3/3/1/2996

Hi Nicole

Attached for your attention please.

Regards

**Colene Runkel**  
Statutory Controller  
Western Region  
1 Havenga Street, Oakdale, Bellville, 7530, South Africa  
T: +27 21 957 4613  
[Runkelc@nra.co.za](mailto:Runkelc@nra.co.za) [www.sanral.co.za](http://www.sanral.co.za)



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**From:** Xhariep <>

**Sent:** Tuesday, July 2, 2024 1:52 PM

**To:** Corlie Steyn <[Corlie.Steyn@zutari.com](mailto:Corlie.Steyn@zutari.com)>; Marianna Taljaard <[Marianna.Taljaard@zutari.com](mailto:Marianna.Taljaard@zutari.com)>

**Subject:** XHARIEP WATER PIPELINE/ WATERPYPLYN: Notification/ Kennisgewing: Public Participation Process/Publieke Deelnameproses: DFFE Ref No/ Verw Nr: 14/12/16/3/3/1/2996

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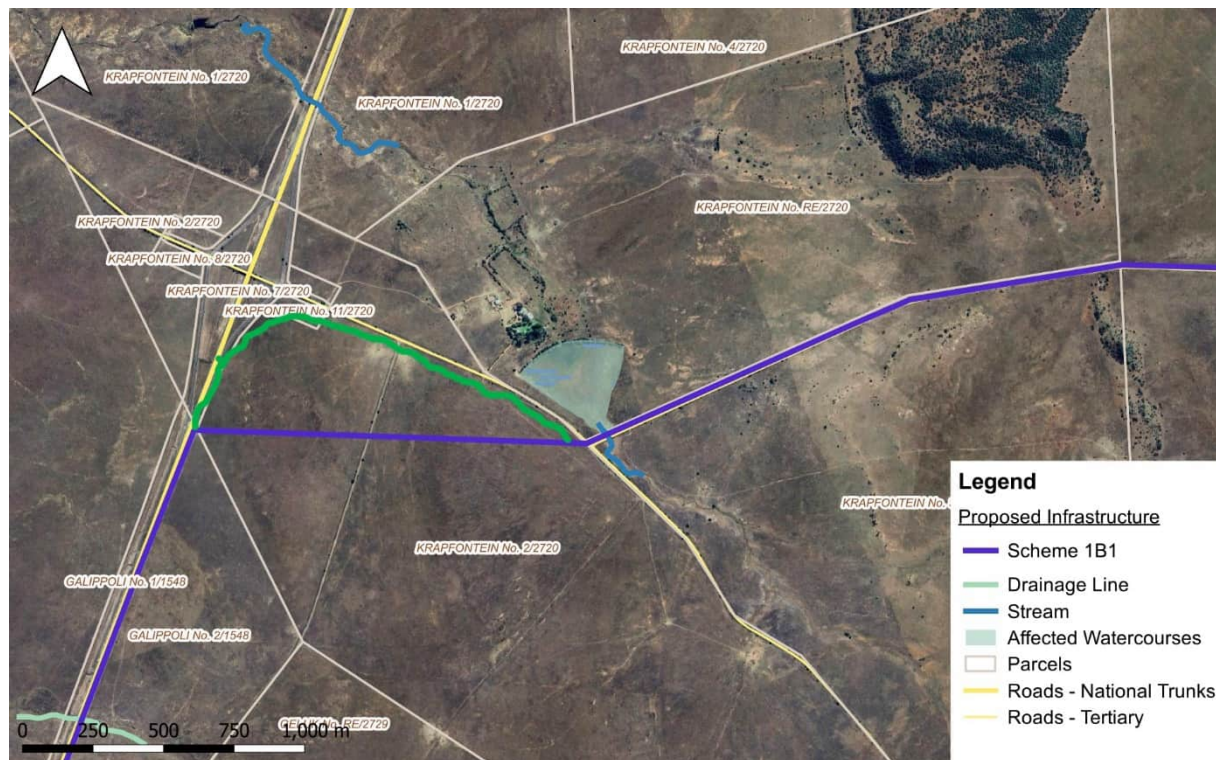
Dear All,

The PP period for the Xhariep pipeline project is coming to a close on 4 July 2024.

Please note the amended pipeline route below. The route will follow the N1 as shown by the green line on the image below to accommodate landowners.

It will, however, be more expensive due to the longer pipeline route, hence the original alignment.

All specialists have confirmed that no new assessment is necessary for the new proposed route (green line on image).



The pipe length changed by just under 500m: Total pipeline length went from 244.4km to 244.9km.

**The new details are:**

| Component                     | Capacity (m <sup>3</sup> /s) <sup>(1)</sup> | Capacity (MI/d) <sup>(1)</sup> | Estimated Footprint (m <sup>2</sup> ) |
|-------------------------------|---|--------------------------------|---------------------------------------|
| Gariep Low Lift Pump Station  | 3.8   | 328.1                          | 10,000                                |
| Gariep WTP                    | -   | 312                            | 600,000                               |
| Gariep High Lift Pump Station | 3.62  | 312.4                          | (included in WTP above)               |
| Command Reservoir (3 sites)   | -   | 80 MI                          | 112,500                               |
| Booster Pump Station          | 3.62  | 312.4                          | 10,000                                |

|   |      |       |                   |
|---|------|-------|-------------------|
| Gariep Pipeline<br>(188.99 km, 1800 Ø)                                | 3.62 | 312.4 | 7,559,600         |
| Gravity Pipeline to Brandkop<br>(31.37 km, 2000 Ø)                    | 3.62 | 312.4 | 1,254,800         |
| Gravity Pipeline to Rustfontein Pump<br>Station<br>(24.52 km, 1400 Ø) | 2.43 | 209.8 | 980,800           |
| Substation (2 sites)  | -    | -     | 45,000            |
| <b>Total (m²)</b>   |      |       | <b>10,572,700</b> |
| Total (ha)  |      |       | 1,057             |
| <b>Total excl. pipeline (m²)</b>                                      |      |       | <b>777,500</b>    |
| Total excl. pipeline (ha)   |      |       | 78                |

Kind Regards

**Marianna Taljaard**

PROJECT ADMINISTRATOR, ENVIRONMENT AND PLANNING | ZUTARI

M +27-44-8055410 E [Marianna.Taljaard@zutari.com](mailto:Marianna.Taljaard@zutari.com) W [zutari.com](http://zutari.com)



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## Registration and Comment Form:

### Greater Mangaung Water Augmentation Project: Xhariep Pipeline, Mangaung Metropolitan Municipality, Free State

|                              |  |            |             |             |
|------------------------------|--|------------|-------------|-------------|
| TITLE                        | MR   | FIRST NAME | DIRK        |             |
| INITIALS                     | AD   | SURNAME    | VAN HEERDEN |             |
| ORGANISATION                 | ALCUNET PTY LTD  |            |             |             |
| YOUR INTEREST IN THE PROJECT | (Please indicate whether for the BAR, the WULA, or both) |            |             |             |
| POSTAL & PHYSICAL ADDRESS    | PO Box 135, Ganyada                                      |            | POSTAL CODE | 9922        |
|                              | BUONAPARTES FORTEN / BOSCHRAND                           |            | CELL NO     | 081 5334708 |
| LANDLINE TEL NO              |  |            |             |             |
| EMAIL ADDRESS                | alcunet.pty@gmail.com                                    |            |             |             |

COMMENTS (please use separate sheets if you wish)

|             |   |
|-------------|---|
| CONCERNS:   | INTERRUPTION TO FARMING ACTIVITIES      |
|             | STOCK THEFT & STOCK LOSS DUE TO PROJECT |
|             | VELO FIRES                              |
|             | SOIL REHABILITATION                     |
|             | LITTERING                               |
| SUGGESTION: | FIRE BREAK ROAD TO BE MAINTAINED        |
|             | BY GOVERNMENT / OTHER                   |

**THANK YOU FOR YOUR PARTICIPATION**

Zutari places a high premium on the privacy & personal information of our stakeholders. The processing of personal information is subject to the Protection of Personal Information Act (POPIA), Act No. 4 of 2013.

As a responsible party, Zutari is entrusted with the personal information of many stakeholders such as yourself, potential clients, staff and service providers and we are therefore obligated to process this information in line with the law.

## Marianna Taljaard

---

**From:** Corlie Steyn  
**Sent:** Wednesday, 03 July 2024 09:09  
**To:** Olivia Letlalo  
**Cc:** Thembisile Mnisi; Marianna Taljaard; Mahlatse Shubane  
**Subject:** RE: 2023-10-0003 Xhariep Pipeline

Good morning Olivia,

Your email below is noted and much appreciated.

Zutari will do as stipulated.

Zutari will also share this email correspondence with DWS.

Kind regards

**Corlie Steyn** *EAPASA., MPhil, (Environmental Management)*

SENIOR CONSULTANT, ENVIRONMENT AND PLANNING | ZUTARI

---

E [Corlie.Steyn@zutari.com](mailto:Corlie.Steyn@zutari.com) W [zutari.com](http://zutari.com)

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**From:** Olivia Letlalo <[OLetlalo@dffe.gov.za](mailto:OLetlalo@dffe.gov.za)>  
**Sent:** Wednesday, July 3, 2024 9:05 AM  
**To:** Corlie Steyn <[Corlie.Steyn@zutari.com](mailto:Corlie.Steyn@zutari.com)>  
**Cc:** Thembisile Mnisi <[TMnisi@dffe.gov.za](mailto:TMnisi@dffe.gov.za)>; Marianna Taljaard <[Marianna.Taljaard@zutari.com](mailto:Marianna.Taljaard@zutari.com)>; Mahlatse Shubane <[MSHUBANE@dffe.gov.za](mailto:MSHUBANE@dffe.gov.za)>  
**Subject:** RE: 2023-10-0003 Xhariep Pipeline

Good morning Corlie,

As indicated during our conversation, please be clear that this application is only for Xhariep pipeline and for power supply, Eskom will undertake an EIA separately. This means that the Xhariep project will not be in operational until Eskom obtain an environmental authorisation for the power to this project.

In addition, ensure listed activity that has to do with electricity or power supply does not form part of this application. Please ensure this response is clear in the CRR in answering our comments.

Regards  
Olivia

---

**From:** Corlie Steyn <[Corlie.Steyn@zutari.com](mailto:Corlie.Steyn@zutari.com)>  
**Sent:** Tuesday, July 2, 2024 2:29 PM  
**To:** Olivia Letlalo <[OLetlalo@dffe.gov.za](mailto:OLetlalo@dffe.gov.za)>  
**Cc:** Thembisile Mnisi <[TMnisi@dffe.gov.za](mailto:TMnisi@dffe.gov.za)>; Marianna Taljaard <[Marianna.Taljaard@zutari.com](mailto:Marianna.Taljaard@zutari.com)>  
**Subject:** RE: 2023-10-0003 Xhariep Pipeline

Dear Olivia,

Thank you so much for making the time to discuss the Xhariep project pipeline application.

The comment below, as received from your department on 27 June 2024, has reference:

*Page 9 of 67 of the application form indicate that “ancillary infrastructure is also required and must be included in the environmental authorisation application which includes power supply (Eskom confirmed that the network can accommodate the project and that in time the application will be done by the relevant applicant), access roads and borrow pits (if applicable, to be determined during the geotechnical investigation)”. However, it is unclear what type of power supply is required. Please clarify and specify? Should the power supply trigger listed activity/ies, then the listed activity must be included in the application form and adequately assessed.*

In clarifying the above comment, based on our conversation, I am confirming that the current Xhariep pipeline project application has nothing to do with Eskom and the power supply for the Xhariep project.

Eskom will submit a separate application to DFFE to seek approval for the power supply for the Xhariep pipeline project at a later stage.

The current Xhariep application form does not mention any listed activities in relation to Eskom and this will be acceptable to DFFE.

Zutari will capture this conversation in the CRR which will form part of the Final BAR.

Kind regards

**Corlie Steyn** *EAPASA.,MPhil, (Environmental Management)*

SENIOR CONSULTANT, ENVIRONMENT AND PLANNING | ZUTARI

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# forestry, fisheries & the environment



Department:  
Forestry, Fisheries and the Environment  
**REPUBLIC OF SOUTH AFRICA**

Private Bag X447, Pretoria, 0001, Environment House, 473 Steve Biko Road, Pretoria, 0002 Tel: +27 12 399 9000, Fax: +27 86 625 1042

**Reference:** 14/12/16/3/3/1/2996

**Enquiries:** Ms M Rabothata

**Telephone:** (012) 399 9174 **E-mail:** [MRabothata@environment.gov.za](mailto:MRabothata@environment.gov.za)

Corlie Steyn  
Zutari (Pty) Ltd  
PO Box 494  
**CAPE TOWN**  
8000

Telephone Number: (+ 27) 21 526 9400  
Email Address: [capetown@zutari.com](mailto:capetown@zutari.com)

## PER E-MAIL

Dear Sir/Madam

### **COMMENTS ON THE DRAFT BASIC ASSESSMENT REPORT FOR THE PROPOSED GREATER MANGAUNG WATER AUGMENTATION PROJECT: XHARIEP PIPELINE (SCHEME 1B), MANGAUNG METROPOLITAN MUNICIPALITY, FREE STATE**

The Directorate Biodiversity Conservation has reviewed and evaluated the Draft Report.

It has been noted that the vegetation and ecosystems in which the project footprint is situated are mostly in fair condition to moderately degraded. There are a number of mostly small seasonal or ephemeral streams and drainage lines that the proposed pipeline crosses, with only 2-3 semi-perennial and perennial large streams / small rivers, such as the Van Zylspruit.

The most sensitive and complex site area is for the proposed Command Reservoir No. 2. This is within a fairly pristine rocky mountain ridge (Leeuwkop) with numerous small watercourses present, including wetlands. Much of the pipeline servitude is within ecological support areas (ESAs). These ESAs are linked to grassland NPAES focus areas and vulnerable grasslands. The pipeline will have very low levels of impact on the grasslands and ESAs.

There are a few critical biodiversity areas (CBAs) that the pipeline passes through and in which pump station and reservoirs are planned for. The CBAs affected are in the north / northeast of the project site. There are protected wild olive trees on the site earmarked for the booster pump station with suction reservoir (Alt. A). It is likely that a few of these trees will need to be removed. It is also likely that there are protected wild olive trees on the site of Command Reservoir No. 2.



*Batho pele*- putting people first



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**COMMENTS ON THE DRAFT BASIC ASSESSMENT REPORT FOR THE PROPOSED GREATER MANGAUNG WATER AUGMENTATION PROJECT: XHARIEP PIPELINE (SCHEME 1B), MANGAUNG METROPOLITAN MUNICIPALITY, FREE STATE**

There are a few protected provincial orange data listed (ODL) plants of *Ledebouria* growing in the proposed footprint of the water treatment works (WTW) and Sludge Lagoons.

Given the above, the Directorate Biodiversity Conservation does not have objections to the proposed development. However, to minimize possible loss to biodiversity the following recommendations including those mentioned in the report and EMPR must be adhered to and implemented:

- Development must take place on degraded land with low sensitivity and No development within vegetation unit 3 (seasonal stream) and its associated buffer zones is recommended.
- Sensitive habitats in close proximity to the development footprint must be avoided or demarcated as No-Go area (i.e. Drainage lines, Hills).
- Permit must be obtained from relevant National or Provincial Authorities prior to removal or damage of any protected plant species.
- Alien Invasive Plant Species Management Plan and Rehabilitation Plan must be developed and submitted as part of the final report to mitigate on habitat degradation due to erosion and alien plant invasion.
- Appropriate buffer recommended by the specialist must be established around medium sensitive habitats (i.e. watercourses).

All Public Participation Process documents related to Biodiversity EIA review and any other Biodiversity EIA queries must be submitted to the Directorate: Biodiversity Conservation at Email: [BCAdmin@environment.gov.za](mailto:BCAdmin@environment.gov.za) for attention of **Mr Seoka Lekota**.

Yours faithfully



**Mr. Seoka Lekota**

**Control Biodiversity Officer Grade B: Biodiversity Conservation**

**Department of Forestry, Fisheries & the Environment**

**Date: 04/07/2024**



**COMMENTS ON THE DRAFT BASIC ASSESSMENT REPORT FOR THE PROPOSED GREATER MANGAUNG WATER AUGMENTATION PROJECT: XHARIEP PIPELINE (SCHEME 1B), MANGAUNG METROPOLITAN MUNICIPALITY, FREE STATE**

The subject must be in the header of the second and the next pages if the content of the letter takes more than one page.

Number the pages should you have more than one (1) page.

If only one (1) page, remove the page number from page one (1)

## Marianna Taljaard

---

**From:** Mahlatse Shubane <MSHUBANE@dffe.gov.za>  
**Sent:** Friday, 05 July 2024 09:36  
**To:** Corlie Steyn; Thembisile Mnisi  
**Cc:** Werner Griessel; Marianna Taljaard; Olivia Letlalo  
**Subject:** RE: 14/12/16/3/3/1/2996 - site visit

**Follow Up Flag:** Follow up  
**Flag Status:** Completed

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Received. Thanks

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**From:** Corlie Steyn <Corlie.Steyn@zutari.com>  
**Sent:** Thursday, July 4, 2024 1:54 PM  
**To:** Thembisile Mnisi <TMnisi@dffe.gov.za>  
**Cc:** Werner Griessel <Werner.Griessel@zutari.com>; Marianna Taljaard <Marianna.Taljaard@zutari.com>  
**Subject:** RE: 14/12/16/3/3/1/2996 - site visit  
**Importance:** High

Dear Thembisile,

As per our conversation please see the dates for the site visit below:

**16 July:** Arrive in Bloemfontein ( try and get an early flight) so that you can drive through and sleep at Gariep Dam  
**17 July:** Start and Gariep Dam and follow the pipeline route and see where the various infrastructure components will be based.

I have copied Werner Griessel into this email. He is an Engineer in our Bloemfontein Office who will accompany you.  
The client: DWS will not attend the site visit.  
Please also let us know how many people from DFFE will attend the site visit.

**Contact numbers:**

Thembisile Mnisi: 067 417 3849  
Corlie Steyn: 082 5757 425  
Werner Griesel: 072 048 7866

We will inform the necessary Farmer's Associations that that the site visit will take place on these dates.

Please let us know if there is anything else we can assist with.

Kind regards

**Corlie Steyn** EAPASA.,MPhil, (Environmental Management)

SENIOR CONSULTANT, ENVIRONMENT AND PLANNING | ZUTARI

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E [Corlie.Steyn@zutari.com](mailto:Corlie.Steyn@zutari.com) W [zutari.com](http://zutari.com)

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**From:** Thembisile Mnisi <TMnisi@dffe.gov.za>  
**Sent:** Tuesday, July 2, 2024 12:41 PM  
**To:** Corlie Steyn <Corlie.Steyn@zutari.com>  
**Subject:** RE: 14/12/16/3/3/1/2996 - site visit

thanks

---

**From:** Corlie Steyn <[Corlie.Steyn@zutari.com](mailto:Corlie.Steyn@zutari.com)>  
**Sent:** Tuesday, July 2, 2024 12:39 PM  
**To:** Thembisile Mnisi <[TMnisi@dfpe.gov.za](mailto:TMnisi@dfpe.gov.za)>  
**Cc:** Stephan Kleynhans <[Stephan.Kleynhans@zutari.com](mailto:Stephan.Kleynhans@zutari.com)>  
**Subject:** RE: 14/12/16/3/3/1/2996 - site visit

Dear Thembisile,

Thank you for your email. The client, DWS, would also like to attend.  
We will confirm the date as soon as we receive confirmation from DWS.

Kind regards

**Corlie Steyn** *EAPASA.,MPhil,(Environmental Management)*

SENIOR CONSULTANT, ENVIRONMENT AND PLANNING | ZUTARI

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E [Corlie.Steyn@zutari.com](mailto:Corlie.Steyn@zutari.com) W [zutari.com](http://zutari.com)

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**From:** Thembisile Mnisi <[TMnisi@dfpe.gov.za](mailto:TMnisi@dfpe.gov.za)>  
**Sent:** Tuesday, July 2, 2024 11:59 AM  
**To:** Corlie Steyn <[Corlie.Steyn@zutari.com](mailto:Corlie.Steyn@zutari.com)>  
**Subject:** 14/12/16/3/3/1/2996 - site visit

Dear Corlie

We would like to come for a site visit on the week of the 15-19 of July 2024. For the XHARIEP PIPELINE (SCHEME 1B). kindly indicate a suitable day for the site visit.

**Regards**  
**Thembisile**  
**Cell 067 417 3849**

## Marianna Taljaard

---

**From:** Werner Griessel  
**Sent:** Friday, 12 July 2024 14:22  
**To:** jonasphakamile4@gmail.com; tsepo.kopanongLM@gmail.com  
**Cc:** Werner Barnard; Stephan Kleynhans; Ismail Gasant; Wynand Loftus; Marianna Taljaard; Corlie Steyn; Van Jaarsveld Sanet  
**Subject:** RE: 1002533 Greater Mangaung Water Augmentation Project: Xhariep Pipeline - Wayleave application  
  
**Importance:** High

Good afternoon Mr Selepe and Mr Jonas,

I hope this email finds you well.

Herewith a quick update from our side:

1. The appointment of the geotechnical contractor was confirmed by DWS earlier today.

To prevent delays and expedite progress regarding the investigation, it is of utmost importance that we receive approval for our wayleave application without further delay.

Your immediate feedback on this matter is crucial.

Thank you for your prompt attention to this urgent request.

Kind regards,

**Werner Griessel** *Pr Tech Eng, BTech Eng: Civil, NDip Eng: Civil*  
CIVIL TECHNOLOGIST | ZUTARI

---

**M** +27-72-0487866 **E** [Werner.Griessel@zutari.com](mailto:Werner.Griessel@zutari.com) **W** [zutari.com](http://zutari.com)

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**From:** Werner Griessel  
**Sent:** Thursday, July 11, 2024 11:10 AM  
**To:** jonasphakamile4@gmail.com  
**Cc:** Werner Barnard <Werner.Barnard@zutari.com>; Stephan Kleynhans <Stephan.Kleynhans@zutari.com>; Ismail Gasant <Ismail.gasant@zutari.com>; Wynand Loftus <Wynand.Loftus@zutari.com>; Marianna Taljaard <Marianna.Taljaard@zutari.com>; Corlie Steyn <Corlie.Steyn@zutari.com>; Van Jaarsveld Sanet <VanJaarsveldS@dws.gov.za>; tsepo.kopanongLM@gmail.com  
**Subject:** RE: 1002533 Greater Mangaung Water Augmentation Project: Xhariep Pipeline - Wayleave application  
**Importance:** High

Good morning Mr Phakamile Jonas,

I hope you are well.

Herewith I would like to follow up regarding the trailing correspondence relating to our wayleave application.

Your urgent response will be highly appreciated.

Thank you in advance.

Kind regards

DISCLAIMER

**From:** Werner Griessel

**Sent:** Wednesday, July 3, 2024 3:15 PM

**To:** [jonasphakamile4@gmail.com](mailto:jonasphakamile4@gmail.com)

**Cc:** Werner Barnard <[Werner.Barnard@zutari.com](mailto:Werner.Barnard@zutari.com)>; Stephan Kleynhans <[Stephan.Kleynhans@zutari.com](mailto:Stephan.Kleynhans@zutari.com)>; Ismail Gasant <[Ismail.gasant@zutari.com](mailto:Ismail.gasant@zutari.com)>; Wynand Loftus <[Wynand.Loftus@zutari.com](mailto:Wynand.Loftus@zutari.com)>; Marianna Taljaard <[Marianna.Taljaard@zutari.com](mailto:Marianna.Taljaard@zutari.com)>; Corlie Steyn <[Corlie.Steyn@zutari.com](mailto:Corlie.Steyn@zutari.com)>; Van Jaarsveld Sanet <[VanJaarsveldS@dws.gov.za](mailto:VanJaarsveldS@dws.gov.za)>; [tsepo.kopanongLM@gmail.com](mailto:tsepo.kopanongLM@gmail.com)

**Subject:** RE: 1002533 Greater Mangaung Water Augmentation Project: Xhariep Pipeline - Wayleave application

**Importance:** High

Good afternoon Mr Phakamile Jonas,

Thank you for reaching out to us regarding our wayleave application.

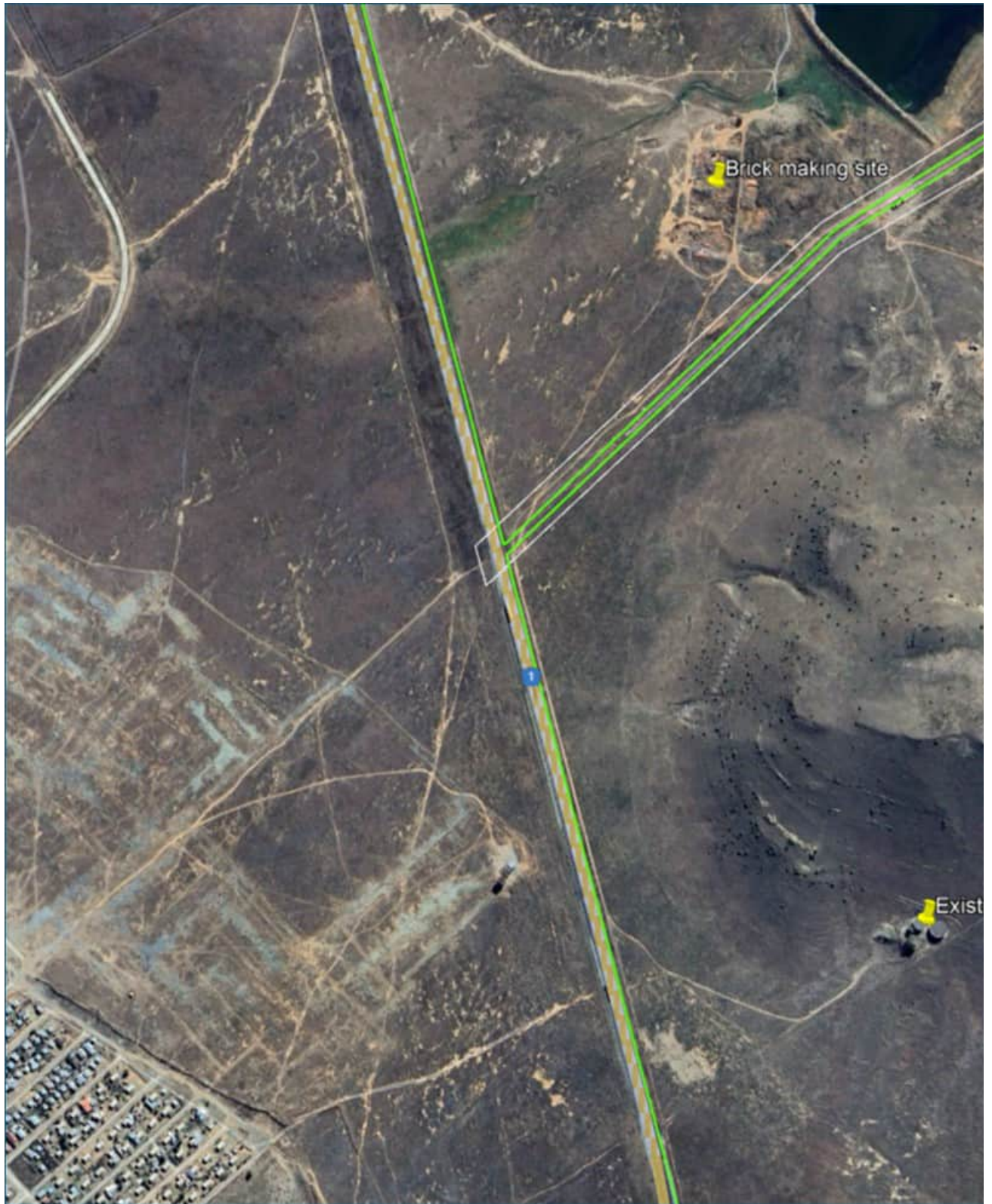
Relating to our telephonic conversation I want to outline a few details of our application:

1. We are applying for wayleaves to conduct a geotechnical investigation and not for construction at this stage.
2. The geotechnical investigation will mainly consist of test pit excavations. These investigations are intended at regular intervals along the pipe route within the road reserve. Additionally, we intent to conduct investigations at all critical points, i.e. WTW, High and Low Lift Pump Stations, and Command Reservoirs.
3. The pipeline will be routed all along the N1 from the Gariepdam towards Bloemfontein, on the right-hand side, and will deviate from the N1 about 5.5km before Tierpoort Dam onto the S299. Currently we are responsible for a feasibility study, and we intend to design the pipeline approximately 25m from the fence line into the respective land property.
4. It is deemed important for Kopanong LM to indicate the presence of services near the entrance of the towns from the N1. The following towns are of critical importance:
  - a. Gariep
  - b. Springfontein
  - c. Trompsburg
  - d. Edenburg
5. The first Command Reservoir site near Springfontein is apparently Municipal property. Can you confirm this? If Kopanong LM is the property owner, may we request consent to conduct geotechnical investigations on the site around the proposed reservoir?

Attached please find the following:

- i. Topographical maps indicating the pipe route. As stated above the pipeline is designed on the right-hand side of the road when going to Bloemfontein from Gariepdam.
- ii. Google Earth .kmz file depicting the pipe route.
- iii. Google Earth .kmz file depicting the first Command Reservoir near Springfontein. Also see the image below:





Should any additional information be required, do not hesitate to contact me.

Thank you very much for your assistance and your favourable response would be highly appreciated.

Kind regards

**Werner Griessel** *Pr Tech Eng, BTech Eng: Civil, NDip Eng: Civil*  
CIVIL TECHNOLOGIST | ZUTARI

---

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---

**From:** Werner Griessel  
**Sent:** Thursday, June 27, 2024 8:52 AM  
**To:** [tsepo.kopanongLM@gmail.com](mailto:tsepo.kopanongLM@gmail.com)  
**Cc:** Werner Barnard <[Werner.Barnard@zutari.com](mailto:Werner.Barnard@zutari.com)>; Stephan Kleynhans <[Stephan.Kleynhans@zutari.com](mailto:Stephan.Kleynhans@zutari.com)>; Ismail Gasant <[Ismail.gasant@zutari.com](mailto:Ismail.gasant@zutari.com)>; Wynand Loftus <[Wynand.Loftus@zutari.com](mailto:Wynand.Loftus@zutari.com)>; Marianna Taljaard <[Marianna.Taljaard@zutari.com](mailto:Marianna.Taljaard@zutari.com)>; Corlie Steyn <[Corlie.Steyn@zutari.com](mailto:Corlie.Steyn@zutari.com)>; Van Jaarsveld Sanet <[VanJaarsveldS@dws.gov.za](mailto:VanJaarsveldS@dws.gov.za)>  
**Subject:** RE: 1002533 Greater Mangaung Water Augmentation Project: Xhariep Pipeline - Wayleave application  
**Importance:** High

Good morning Mr Selepe,

I hope you are well.

Herewith I would like to follow up regarding the trailing correspondence.

It is of utmost importance that we finalise this application, considering that time is running out before the geotechnical contractor is appointed.

Your urgent response will be highly appreciated.

Thank you in advance.

Kind regards

**Werner Griessel** *Pr Tech Eng, BTech Eng: Civil, NDip Eng: Civil*  
CIVIL TECHNOLOGIST | ZUTARI

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---

**From:** Werner Griessel  
**Sent:** Tuesday, June 25, 2024 4:46 PM  
**To:** [tsepo.kopanongLM@gmail.com](mailto:tsepo.kopanongLM@gmail.com)  
**Cc:** Werner Barnard <[Werner.Barnard@zutari.com](mailto:Werner.Barnard@zutari.com)>; Stephan Kleynhans <[Stephan.Kleynhans@zutari.com](mailto:Stephan.Kleynhans@zutari.com)>; Ismail Gasant <[Ismail.gasant@zutari.com](mailto:Ismail.gasant@zutari.com)>; Wynand Loftus <[Wynand.Loftus@zutari.com](mailto:Wynand.Loftus@zutari.com)>; Marianna Taljaard <[Marianna.Taljaard@zutari.com](mailto:Marianna.Taljaard@zutari.com)>; Corlie Steyn <[Corlie.Steyn@zutari.com](mailto:Corlie.Steyn@zutari.com)>; Van Jaarsveld Sanet <[VanJaarsveldS@dws.gov.za](mailto:VanJaarsveldS@dws.gov.za)>  
**Subject:** RE: 1002533 Greater Mangaung Water Augmentation Project: Xhariep Pipeline - Wayleave application  
**Importance:** High

Good afternoon Mr Selepe,

I am urgently following up on the status of the below wayleave application.

1. Additionally, it has come to our attention that the site where we want to construct a command reservoir, near Springfontein, is on Municipal property. **Can you confirm this?**
2. We would like to conduct a geotechnical investigation on the terrain, and we would like to apply for approval thereof also. **Would you be able to assist with that?**
3. Attached is a .kmx location of the proposed reservoir site. The below image depicts the reservoir.





I have tried contacting you on your cell phone but to no avail.

It is critical that we finalise this application as soon as possible due to very tight time constraints.

Your prompt response is essential and will be greatly appreciated.

Thank you for your attention to this matter.

Kind regards,

**Werner Griessel** *Pr Tech Eng, BTech Eng: Civil, NDip Eng: Civil*

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**From:** Werner Griessel  
**Sent:** Friday, June 21, 2024 8:56 AM  
**To:** [tsepo.kopanongLM@gmail.com](mailto:tsepo.kopanongLM@gmail.com)  
**Cc:** Werner Barnard <[Werner.Barnard@zutari.com](mailto:Werner.Barnard@zutari.com)>; Stephan Kleynhans <[Stephan.Kleynhans@zutari.com](mailto:Stephan.Kleynhans@zutari.com)>; Ismail Gasant <[Ismail.gasant@zutari.com](mailto:Ismail.gasant@zutari.com)>  
**Subject:** RE: 1002533 Greater Mangaung Water Augmentation Project: Xhariep Pipeline - Wayleave application  
**Importance:** High

Good morning Mr Selepe,

I hope my email finds you well.

I tried contacting you yesterday, with no avail.

Herewith I would like to follow up regarding the status of the below wayleave application.

It is of utmost importance that we finalise this application, considering we have very tight time constraints.

Your prompt response will be highly appreciated.

Thank you in advance.

Kind regards

**Werner Griessel** *Pr Tech Eng, BTech Eng: Civil, NDip Eng: Civil*

CIVIL TECHNOLOGIST | ZUTARI

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---

**From:** Werner Griessel  
**Sent:** Thursday, June 13, 2024 4:03 PM  
**To:** [tsepo.kopanongLM@gmail.com](mailto:tsepo.kopanongLM@gmail.com)  
**Cc:** Werner Barnard <[Werner.Barnard@zutari.com](mailto:Werner.Barnard@zutari.com)>; Stephan Kleynhans <[Stephan.Kleynhans@zutari.com](mailto:Stephan.Kleynhans@zutari.com)>; Ismail Gasant <[Ismail.gasant@zutari.com](mailto:Ismail.gasant@zutari.com)>  
**Subject:** RE: 1002533 Greater Mangaung Water Augmentation Project: Xhariep Pipeline - Wayleave application  
**Importance:** High

Good afternoon Mr Selepe,

I hope my email finds you well.

Herewith I would like to follow up regarding the status of the below wayleave application.

It is of utmost importance that we finalise this application, considering we have very tight time constraints.

Your prompt response will be highly appreciated.

Thank you in advance.

Kind regards

**Werner Griessel** *BTech. Civil Engineering, ND Civil Engineering*

CIVIL TECHNOLOGIST | ZUTARI

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---

**From:** Werner Griessel  
**Sent:** Friday, May 31, 2024 2:42 PM  
**To:** [tsepo.kopanongLM@gmail.com](mailto:tsepo.kopanongLM@gmail.com)  
**Cc:** Werner Barnard <[Werner.Barnard@zutari.com](mailto:Werner.Barnard@zutari.com)>; Stephan Kleynhans <[Stephan.Kleynhans@zutari.com](mailto:Stephan.Kleynhans@zutari.com)>; Ismail Gasant <[Ismail.gasant@zutari.com](mailto:Ismail.gasant@zutari.com)>  
**Subject:** RE: 1002533 Greater Mangaung Water Augmentation Project: Xhariep Pipeline - Wayleave application  
**Importance:** High

Good afternoon Mr Selepe,

Thank you for taking my call earlier today. We discussed the following matters:

1. I followed up with regards to your assistance with wayleave applications as per the below correspondence.
2. You indicated that you have begun the process but unfortunately due to strike action, you were not able to progress further.
3. Hopefully by next week we can have an answer on the way forward.

We take note of the current situation, but due to current time constraints I request your guidance in this regard. Is there anything else you require from my side to expedite the application?

Your prompt response would be highly appreciated.

Kind regards

**Werner Griessel** *BTech. Civil Engineering, ND Civil Engineering*

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---

**From:** Werner Griessel  
**Sent:** Wednesday, May 22, 2024 10:39 AM  
**To:** [tsepo.kopanongLM@gmail.com](mailto:tsepo.kopanongLM@gmail.com)  
**Cc:** Werner Barnard <[Werner.Barnard@zutari.com](mailto:Werner.Barnard@zutari.com)>; Stephan Kleynhans <[Stephan.Kleynhans@zutari.com](mailto:Stephan.Kleynhans@zutari.com)>; Ismail Gasant <[Ismail.gasant@zutari.com](mailto:Ismail.gasant@zutari.com)>  
**Subject:** RE: 1002533 Greater Mangaung Water Augmentation Project: Xhariep Pipeline - Wayleave application  
**Importance:** High

Good morning Mr Selepe,

I am following up on the trailing wayleave application request.

Do you perhaps have any feedback in this regard?

Your assistance would be highly appreciated.

Kind regards

**Werner Griessel** *BTech. Civil Engineering, ND Civil Engineering*

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**From:** Werner Griessel  
**Sent:** Monday, May 20, 2024 3:34 PM  
**To:** [tsepo.kopanongLM@gmail.com](mailto:tsepo.kopanongLM@gmail.com)  
**Cc:** Werner Barnard <[Werner.Barnard@zutari.com](mailto:Werner.Barnard@zutari.com)>; Stephan Kleynhans <[Stephan.Kleynhans@zutari.com](mailto:Stephan.Kleynhans@zutari.com)>; Ismail Gasant <[Ismail.gasant@zutari.com](mailto:Ismail.gasant@zutari.com)>  
**Subject:** RE: 1002533 Greater Mangaung Water Augmentation Project: Xhariep Pipeline - Wayleave application  
**Importance:** High

Good afternoon Mr Selepe,

I hope this email finds you well.

I am following up on our previous request for your feedback for the application of wayleaves sent on Friday, 17 May. As we are currently pressed for time, we urgently need your input to ensure we can proceed without delays.

Your prompt attention to this matter would be greatly appreciated. If you have any questions or require further information, please do not hesitate to reach out to me.

Thank you for your understanding and cooperation.

Kind regards

**Werner Griessel** *BTech. Civil Engineering, ND Civil Engineering*

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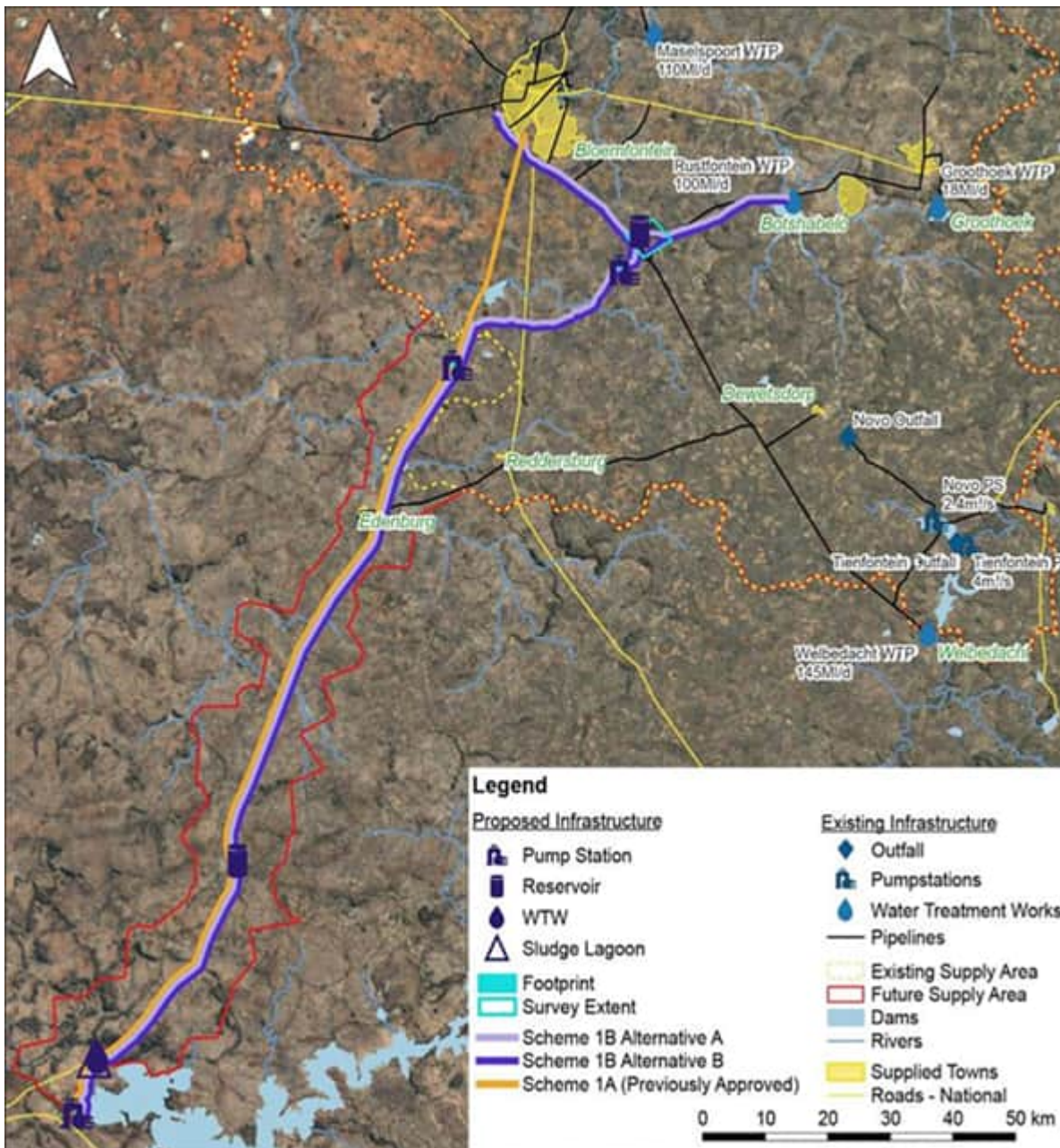
---

**From:** Werner Griessel  
**Sent:** Friday, May 17, 2024 3:44 PM  
**To:** [tsepo.kopanongLM@gmail.com](mailto:tsepo.kopanongLM@gmail.com)  
**Cc:** Werner Barnard <[Werner.Barnard@zutari.com](mailto:Werner.Barnard@zutari.com)>; Stephan Kleynhans <[Stephan.Kleynhans@zutari.com](mailto:Stephan.Kleynhans@zutari.com)>; Ismail Gasant <[Ismail.gasant@zutari.com](mailto:Ismail.gasant@zutari.com)>  
**Subject:** 1002533 Greater Mangaung Water Augmentation Project: Xhariep Pipeline - Wayleave application  
**Importance:** High

Good afternoon Mr Tsepo Selepe,

Thank you for taking my call earlier.

The Department of Water and Sanitation (DWS) is proposing the construction of a potable water pipeline from the Gariep Dam wall to Bloemfontein and surrounding areas. This project aims to alleviate the severe water shortages frequently experienced in the Greater Mangaung Metropolitan area. The proposed pipeline route, shown in purple on the map below (scheme 1B), will traverse the Xhariep District Municipality (XDM), the Kopanong Local Municipality (KLM), and the Mangaung Metropolitan Municipality (MMM).



The following towns are of critical importance, and we would like to apply for wayleaves along the pipe route at the following towns:

1. Gariep
2. Springfontein
3. Trompsburg
4. Edenburg

You mentioned that you will be able to assist in the process and I am hereby enquiring on the way forward. What do you require from us?

Your assistance in this regard would be highly appreciated.

Kind regards

**Werner Griessel** BTech. Civil Engineering, ND Civil Engineering

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Zutari is a proud B-BBEE Level 1 contributor in South Africa.

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## Marianna Taljaard

---

**From:** Werner Griessel  
**Sent:** Wednesday, 03 July 2024 16:13  
**To:** melletpartnership@gmail.com  
**Cc:** Werner Barnard; Stephan Kleynhans; Ismail Gasant; Wynand Loftus; Marianna Taljaard  
**Subject:** RE: 1002533 XHARIEP PIPELINE - Consent to conduct investigation on farm property  
**Importance:** High

Good afternoon Mr Hennie Mellet,

I hope this email finds you in good faith.

Thank you for taking my call earlier today.

As discussed, please find the below explanation relating to the process going forward.

Zutari's appointment is for the detailed feasibility phase of the project, whereafter DWS will appoint a professional service provider to undertake the detailed design and construction supervision. However, in terms of engagements between landowners and DWS, the following processes are likely to be followed:

The Sub Directorate: Land Rights Administration (LRA) is the unit within the Department of Water and Sanitation (DWS) responsible for all land-related matters nationwide. The LRA unit is situated in Pretoria.

After a detailed feasibility phase is approved, an instruction is given to the LRA by the DWS Project Manager to acquire the land and servitudes needed for the project. The LRA will then obtain approval from the Minister of Water and Sanitation to engage affected landowners regarding the procurement of land and registration of servitudes. Once approval is granted, the LRA will appoint a professional registered valuer (at the project's cost), and a public meeting will be arranged, typically through an appointed social facilitator, with all affected owners/persons.

At the meeting, the LRA and the appointed valuer will explain the acquisition and valuation processes. Following this meeting, one-on-one meetings will be held with all affected owners to further detail the processes. The valuer will then visit each affected owner on-site to conduct the valuation of the servitude or land affected by the project.

During these one-on-one engagements, landowners will have the opportunity to raise conditions (e.g. water off-take point from the WTW) they may want to propose as part of the Agreement to be concluded between DWS and the landowner. Each condition/request will be evaluated based on merit before being agreed to.

After conducting market research and completing other necessary steps, the valuer will compile a valuation report for each owner and submit it to the LRA, which will handle the compensation as recommended by the valuer.

Zutari will record your request for possible wastewater usage from the WTW as part of the records of the public participation process. This will ensure that this information can be passed on to the LRA when they commence the one-on-one meetings.

Lastly you indicated that Mr Fanie Griessel is the contact person renting the property to the north. Please would you be so kind and furnish us with his contact information.

I hope this provides you with more clarity on the way forward.

Do not hesitate to contact me should you require any additional information.

Kind regards

**Werner Griessel** *Pr Tech Eng, BTech Eng: Civil, NDip Eng: Civil*  
CIVIL TECHNOLOGIST | ZUTARI

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**From:** Werner Griessel  
**Sent:** Thursday, June 27, 2024 8:58 AM  
**To:** [melletpartnership@gmail.com](mailto:melletpartnership@gmail.com)  
**Cc:** Werner Barnard <[Werner.Barnard@zutari.com](mailto:Werner.Barnard@zutari.com)>; Stephan Kleynhans <[Stephan.Kleynhans@zutari.com](mailto:Stephan.Kleynhans@zutari.com)>; Ismail Gasant <[Ismail.gasant@zutari.com](mailto:Ismail.gasant@zutari.com)>; Wynand Loftus <[Wynand.Loftus@zutari.com](mailto:Wynand.Loftus@zutari.com)>; Marianna Taljaard <[Marianna.Taljaard@zutari.com](mailto:Marianna.Taljaard@zutari.com)>  
**Subject:** RE: 1002533 XHARIEP PIPELINE - Consent to conduct investigation on farm property  
**Importance:** High

Good morning Mr Hennie Mellet,

I hope you are well and that this email finds you in good faith.

I would like to follow up regarding the below correspondence, especially relating to the following:

1. We need the contact details for your neighbour as depicted in the image below.

We would greatly appreciate it if you could furnish us with such information.

Awaiting your favourable response.

Kind regards

**Werner Griessel** *Pr Tech Eng, BTech Eng: Civil, NDip Eng: Civil*  
CIVIL TECHNOLOGIST | ZUTARI

---

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---

**From:** Werner Griessel  
**Sent:** Friday, June 21, 2024 9:12 AM  
**To:** [melletpartnership@gmail.com](mailto:melletpartnership@gmail.com)  
**Cc:** Werner Barnard <[Werner.Barnard@zutari.com](mailto:Werner.Barnard@zutari.com)>; Stephan Kleynhans <[Stephan.Kleynhans@zutari.com](mailto:Stephan.Kleynhans@zutari.com)>; Ismail Gasant <[Ismail.gasant@zutari.com](mailto:Ismail.gasant@zutari.com)>; Wynand Loftus <[Wynand.Loftus@zutari.com](mailto:Wynand.Loftus@zutari.com)>; Marianna Taljaard <[Marianna.Taljaard@zutari.com](mailto:Marianna.Taljaard@zutari.com)>  
**Subject:** FW: 1002533 XHARIEP PIPELINE - Consent to conduct investigation on farm property  
**Importance:** High

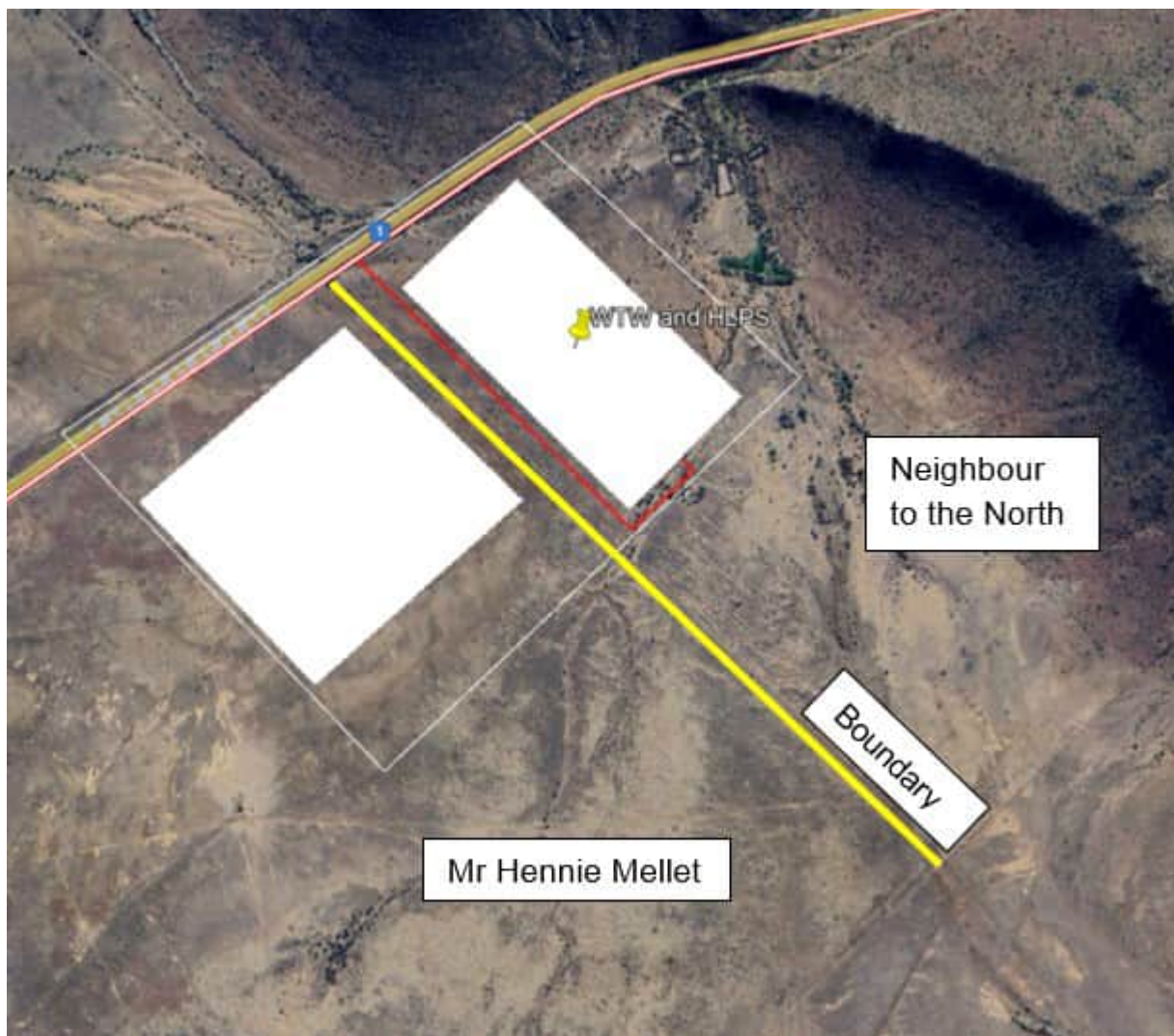
Good morning Mr Hennie Mellet,

I hope you are well and that this email finds you in good faith.

My previous email came back undelivered thus I refer you to the trailing email correspondence relating to the Xhariep Pipeline from the Gariepdam to Bloemfontein.

In addition to our discussions would it be possible to furnish us with your neighbour to the north's contact information. For a detailed approach to our design, it would be ideal if we can conduct a geotechnical investigation on his side of the boundary between the two properties as well. Refer to the image below for clarity:





Again, your cooperation is highly valued.

For any additional information, do not hesitate to contact me.

Kind regards

**Werner Griessel** *Pr Tech Eng, BTech Eng: Civil, NDip Eng: Civil*  
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---

**From:** Werner Griessel  
**Sent:** Friday, June 14, 2024 4:08 PM  
**To:** [melletpartnership@gmail.org](mailto:melletpartnership@gmail.org)  
**Cc:** Werner Barnard <[Werner.Barnard@zutari.com](mailto:Werner.Barnard@zutari.com)>; Stephan Kleynhans <[Stephan.Kleynhans@zutari.com](mailto:Stephan.Kleynhans@zutari.com)>; Ismail Gasant <[Ismail.gasant@zutari.com](mailto:Ismail.gasant@zutari.com)>; Wynand Loftus <[Wynand.Loftus@zutari.com](mailto:Wynand.Loftus@zutari.com)>; Marianna Taljaard <[Marianna.Taljaard@zutari.com](mailto:Marianna.Taljaard@zutari.com)>  
**Subject:** 1002533 XHARIEP PIPELINE - Consent to conduct investigation on farm property

Good afternoon Mr Hennie Mellet,

I hope this email finds you in good faith. I'm reaching out regarding the Xhariep Pipeline feasibility study we are conducting.

Thank you for taking my call earlier today. We discussed the following:

1. I requested approval to enter your farm property where the proposed water treatment works, and high lift pump station are planned to be constructed.
2. A geotechnical investigation is required at the proposed site, and it is essential to excavate test pits to incorporate geotechnical findings into our designs.

**Thank you for giving us your consent and allowing the investigation to proceed accordingly.** The proposed area is depicted in the image below:



I acknowledge your concerns regarding wildlife roaming in the specific camp. I will inform the geotechnical contractor to take this into consideration while on your property.

I will update you further as soon as we have more clarity on appointment and the geotechnical contractor's programme.

Your cooperation is highly appreciated.

Kind regards

**Werner Griessel** *BTech. Civil Engineering, ND Civil Engineering*

CIVIL TECHNOLOGIST | ZUTARI

---

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**Zutari is a proud B-BBEE Level 1 contributor in South Africa.**

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# In diversity there is beauty and there is strength.

MAYA ANGELOU

**Document prepared by:**

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