

Heidelberg Water Treatment Works Proof of Water Use Application Submission and Progress Report:

- The Water Use Pre-application Enquiry submitted on 17 Oct 2024. See proof below.
- The 1st site meeting with BOCMA officials was held on 2 December 2024 and following the request for additional information another site meeting was held on 5 May 2025. Online Teams Meeting was held between the EAP, Hessequa Municipal Officials, Elkerine Rossouw (BOCMA) and Philisiwe Ntanzu (BOCMA) on 1 July 2025. Below see 1 July 2025 Meeting Minutes.
- Current status – Amendments have been made to the WTW proposal and technical report as well as associated specialists reports, which have all been included in the Draft Basic Assessment Report. The Draft Basic Assessment Report to be submitted to the BOCMA officials for confirmation of relevant water use activities to be applied for under the National Water Act 1998 (Act 36 of 1998)



water & sanitation

Department:
Water and Sanitation
REPUBLIC OF SOUTH AFRICA

Private Bag X3055, WORCESTER, 6850, Street Address Corner Mountain Mill Drive & East Lake Way, WORCESTER, 6850,
www.dwa.gov.za

Enquiries: Mr M Mthimkhulu
Ref. No: WU38498

Telephone: +2723468000

WSP : HESSEQUA MUNICIPALITY

P.O. Box 29
Van Den Berg street
Riversdale
6670

Dear Ms. SL Kennedy,

ACKNOWLEDGEMENT OF YOUR INTENT TO APPLY FOR A WATER USE LICENCE IN TERMS OF SECTION 40 OF THE NATIONAL WATER ACT, 1998 (ACT 36 OF 1998), Erf RE/557 and Erf 672, Heidelberg, Proposed Water Treatment Works on Erf RE/557 and Erf 672, Heidelberg, Western Cape

The Department of Water and Sanitation hereby acknowledges your pre-application information and intent to apply for a water use licence that was received on **17 Oct 2024**.

The water use licence application processes requires that a Site Visit be conducted with prospective applicants where the water use will take place before they can submit their water use licence application technical report(s) accompanied by the registration forms to the department. You are therefore advised to arrange a site visit to your property with the department **as soon as possible**. Failure to arrange and to confirm availability may lead to the delay of your application for a water use licence.

Please note that if you submit your technical reports without a site visit being conducted, your application will be assessed on the available information submitted.


Should you wish to make further enquiries in this regard, please do not hesitate to contact Mrs J Pienaar at telephone number +2723468000.

Yours faithfully,

Letter 1 – Acknowledgement letter (Site Visit Arrangement)

Recommend

Comments:



I, Mr Carlo Abrahams (WUL Manager/WUAAAC Chairperson) herewith electronically sign this document.

Serial Number : 4909104191683088592

WUL Manager

Date: Nov 21 2024 8:59AM

Application Communication Log



11/21/2024 8:59:09 AM - Acknowledgement Letter - Site Visit Required



12/3/2024 2:01:29 PM Mr Makhosi Mthimkhulu --> Mrs Johmandie Pienaar : Application has been returned to you (WU38498)

Dear Mrs Johmandie Pienaar,

The following application has been returned to you :

Proposed Water Treatment Works on Erf RE/557 and Erf 672, Heidelberg, Western Cape (WU38498)

The reason for the return is as follows :

PRE-APPLICATION CONSULTATION TO APPLY FOR A WATER USE LICENCE IN TERMS OF SECTION 40 OF THE NATIONAL WATER ACT, 1998 (ACT 36 OF .1998)

The Department of Water and Sanitation hereby acknowledges receipt of your pre-application consultation request for a Water Use Licence that was received on 17 Oct 2024. Please continue to apply for a Water Use Licence.

You received this email from :

Name : Mr Makhosi Mthimkhulu (Assessor)
e-Mail : mmthimkhulu@bgcma.co.za
Tel : +27233468000

Click Here to access the Application



12/3/2024 2:01:27 PM Mr Makhosi Mthimkhulu --> Mrs Johmandie Pienaar : Application has been returned to you (WU38498)



12/3/2024 2:00:54 PM Mr Makhosi Mthimkhulu --> Mrs Johmandie Pienaar : Application has been returned to you (WU38498)



11/22/2024 8:52:20 AM Mrs Johmandie Pienaar --> Mrs Johmandie Pienaar : Proposed Site Inspection Date for Water Use Application have been submitted to the department (WU38498)



11/22/2024 8:52:20 AM Mrs Johmandie Pienaar --> Mr Makhosi Mthimkhulu : Application has been returned to you (WU38498)

Application Status



Water User

WSP : HESSEQUA MUNICIPALITY

Application

WU38498 - Proposed Water Treatment Works on Erf RE/557 and Erf 672, Heidelberg, Western Cape

Duration: Day 0 of 90

Current Status: Applicant : Prepares WUL Application for submission

#	Date	Applicant	Department	Duration In Days
1	Dec 3 2024 2:00PM	Applicant : Prepares WUL Application for submission		269 Day(s) (Current)
2	Nov 22 2024 8:52AM		Site Inspection Determinations	8 Day(s)
3	Nov 21 2024 9:00AM	Site Inspection Determinations		2 Day(s)
4	Nov 20 2024 9:35AM		Pre Application Enquiry	2 Day(s)
5	Nov 20 2024 9:15AM	Applicant : Prepares WUL Application for submission		1 Day(s)
6	Oct 17 2024 8:49AM		Pre Application Enquiry	25 Day(s)
7	Oct 17 2024 8:25AM		Pre Application Enquiry	1 Day(s)
8	Aug 26 2024 2:07PM	Applicant : Prepares Pre-application for submission		38 Day(s)

Bloekombos Water Treatment Works (Hessequa mun)

01/07/2025

Points to be discussed:

Information required by BOCMA and recommended for consideration during water use application and EA application processes:

NEW TECH REPORT WILL HAVE THE DETAILS>> MOST INFO NOW PROVIDED IS ONLY IN SUMMARY

- **An operational manual must be compiled and provided for the proposed WTW.**

Will become special conditions = 6 months after completion report. Process flow diagrams will be in tech report.

- **Terms of reference for the design of the WTW must be included in the technical report.**

TOR – will be included. Engineer of Mun is Prof Engineer and have mentor (retired Engineer)

- **The results of raw water quality for the Bloekombos dam as tested must be provided as part of the technical report.**

Will be included in the report

- **It must be determined by the engineers whether manganate settling may be required before it enters the treatment plant. This will depend on the raw water quality analysis results.**

Will be in the tech report.

- **Intended destination for disposal of sludge must be addressed in the technical report i.e. landfill or Bloekombos dam and if intended to be disposed of back into the Bloekombos dam potential water quality impacts must be assessed.**

To landfill site and not released

- **Potential to discharge/dispose wastewater produced into the municipal waste water treatment works rather than back into the Bloekombos canal must be assessed.**

Not to water course but back into the dam as designed as it is not water economical and Overberg Water has issues with this option. (to be included in the PPP part of the WULA summary document to show we did consider an alternative)

- **If discharge/disposal of waste water produced at the proposed water treatment works into the existing municipal waste water treatment works is not a viable options the potential water quality impacts of discharging waste water back into Bloekombos dam must be assessed.**

Dilution 1:20 ratio. No other water users

- **Determine whether or not there is any downstream water users which may be affected if there is an overflow or discharge from the proposed settling ponds into the non-perennial drainage line and if so what will the potential impacts be on the water resources used by the downstream users.**

Not answered. It will be followed up.

- **Should the construction of the proposed WTW be subject to the implementation of the recommendations as provided in the dam safety report these requirements must be included and assessed as part of EA and Water use applications and impact assessment being conducted. It must be confirmed by the municipal engineers whether or not this is the case and Terms of Reference will then need to be amended accordingly.**

Dam Safety included in the main technical report (TOR).

It may be needed to have the dam safety report outcomes added to the outcomes.

And if they are triggering DS then they will include the mentioning to the WTW report.

The clearing of solids from the Bloekombos dam may trigger the need for an all-inclusive RMMP.

AI SUMMARY...

The discussion focused on the proposed water treatment works, with Elkerine Rossouw and Johmandie Pienaar addressing various technical and operational aspects necessary for advancing environmental authorization and water use applications. Shahida Kennedy, representing the municipality, indicated that she would provide feedback and an amended technical report later in the week. Key topics included the complexities of water treatment design, the importance of raw water quality, and the management of sludge, with Elkerine expressing concerns about the effects of backwash water and slurry disposal on local water quality.

The operational and maintenance manual for the water treatment works was also discussed, with Shahida confirming it would be available six months post-project completion. Elkerine raised the need for clarity on dam safety requirements in the technical report, which Shahida confirmed would be included in the terms of reference. The group coordinated on sharing notes related to the technical report and freshwater impact assessment, emphasizing the

necessity of incorporating dam safety in the environmental assessment application. Shahida committed to submitting the amended report by the end of the week, and the team agreed to collaborate on finalizing the documentation, ensuring all discussed points were addressed.

Proposed Heidelberg Water Treatment Works - Technical Considerations

Elkerine Rossouw highlighted her expertise in water purification and wastewater management while addressing design considerations for the proposed Heidelberg Water Treatment Works. She pointed out the need for a draft operational manual during the design phase and raised questions about the management of backwash water and its potential impact on local water bodies. Rossouw also suggested consulting with George Municipality for insights based on their experiences.

- Clarification on the operational and maintenance manual for the water treatment works

Proposed Heidelberg Water Treatment Works - Discussion on Technical Queries

Elkerine Rossouw highlighted the need for an operational and maintenance manual to be submitted six months post-completion of the water treatment works. Shahida Kennedy confirmed that the revised technical report will include a process flow diagram and address water quality issues, including sludge disposal and potential impacts on the Bloekombos Dam. The team agreed on the importance of clarifying water usage downstream of the site.

- Review of the technical report and its amendments
- Consideration of downstream water users and their impact on the project

Discussion on Dam Safety and Water Treatment Works Integration

Elkerine Rossouw expressed the need for additional information regarding dam safety and the designs for new dams associated with the water treatment works. Shahida Kennedy confirmed that the dam safety report is part of the terms of reference, while Johmandie Pienaar pointed out that the project description must encompass both the water treatment works and the dam safety report requirements, as they are interconnected. This integration could expand the project's scope and footprint.

Proposed Heidelberg Water Treatment Works - BOCMA Enquiries

Shahida Kennedy is following up on the amended technical report, aiming for submission by the week's end, and invites further input from the team. She emphasizes the need for thorough checks to ensure all discussed points are addressed, as this will impact the project timeline. Elkerine Rossouw expresses pride in the municipality's approach to mentoring and acknowledges their expertise.

Proposed Heidelberg Water Treatment Works - BOCMA Enquiries Summary

Johmandie Pienaar and Elkerine Rossouw agreed to share their notes on the technical report and the freshwater impact assessment. Shahida Kennedy indicated that she would send the amended report by the end of the week, allowing for any additional input from the team. Pienaar emphasized the importance of addressing dam safety requirements in the environmental assessment application.