



**NOTIFICATION  
 OF  
 INTENT  
 TO  
 DEVELOP**

Completion of this form is required by Heritage Western Cape for the initiation of all impact assessment processes under Section 38(1) & (8) of the National Heritage Resources Act (NHRA).

Whilst it is not a requirement, it may expedite processes and in particular avoid calls for additional information if certain of the information required in this form is provided by a heritage specialist/s with the necessary qualifications, skills and experience.

**A. APPLICABILITY OF THE NATIONAL ENVIRONMENTAL MANAGEMENT ACT (NEMA)**

HWC Case Number: **19012510**

DEADP Reference Number: Pending

**NOTE:** A DEADP (W Cape Dept. Environment Affairs & Development Planning) reference number must be included in all NHRA Section 38(8) processes where DEADP is the decision making authority under NEMA. The effect of this requirement is that the NEMA process must be initiated with DEADP prior to the NHRA process with HWC.

If a DEADP reference number is not entered above please check one of the following boxes:

This application is made in terms of Section 38(8) of the NHRA and an application under NEMA has been made to the following authority:

This development will not require a NEMA application.

**NOTE:** Making an incorrect statement or providing incorrect information in this part of the form may result in all or part of the application having to be reconsidered by HWC in the future, or submission of a new application.

**B. BASIC DETAILS**

**PROPERTY DETAILS:**

Name of property: **Klaarstroom WWTW**

Street address or location (eg: off R44): **Off N12, Klaarstroom**

Erf or farm number/s: **Remainder of Portion 32 and Portion 34 of Farm Klaarstroom 178, Prince Albert**

Coordinates: **33° 19' 20.09" S 22° 31' 43.44" E**  
 (A logical centre point. Format based on WGS84.)

Town or District: **Klaarstroom**

Responsible Municipality: **Prince Albert**

Extent of property: **242ha**

Current use: **WWTW**

Predominant land use/s of surrounding properties: **Agriculture**

REGISTERED OWNER OF PROPERTY:

Name		
Address		
Telephone	Cell	E-mail
<p>By the submission of this form and all material submitted in support of this notification (ie: 'the material'), all applicant parties acknowledge that they are aware that the material and/or parts thereof will be put to the following uses and consent to such use being made: filing as a public record; presentations to committees, etc; inclusion in databases; inclusion on and downloading from websites; distribution to committee members and other stakeholders and any other use required in terms of powers, functions, duties and responsibilities allocated to Heritage Western Cape under the terms of the National Heritage Resources Act. Should restrictions on such use apply or if it is not possible to copy or lift information from any part of the digital version of the material, the material will be returned unprocessed.</p>		
<p>I confirm that I enclose with this form four hardcopies of all material submitted together with a CD ROM containing digital versions of all of the same.</p>		

Signature of owner or authorised agent  
(Agents must attach copy of power of attorney to this form.)

Date / / 20

DEVELOPMENT DETAILS:

Please indicate below which of the following Sections of the National Heritage Resources Act, or other legislation has triggered the need for notification of intent to develop.	
<input checked="" type="checkbox"/> S38(1)(a) Construction of a road, wall, powerline, pipeline, canal or other similar form of linear development or barrier over 300m in length.	S38(1)(c) Any development or activity that will change the character of a site -  <input type="checkbox"/> (i) exceeding 5 000m <sup>2</sup> in extent; <input type="checkbox"/> (ii) involving three or more existing erven or subdivisions thereof; <input type="checkbox"/> (iii) involving three or more erven or divisions thereof which have been consolidated within the past five years.
<input type="checkbox"/> S38(1)(b) Construction of a bridge or similar structure exceeding 50m in length.	
<input type="checkbox"/> S38(1)(d) Rezoning of a site exceeding 10 000m <sup>2</sup> in extent.	
<input checked="" type="checkbox"/> Other triggers, eg: in terms of other legislation, (ie: National Environment Management Act, etc.) Please set out details: <b>NEMA</b>	If you have checked any of the three boxes above, describe how the proposed development will change the character of the site:

If an impact assessment process has also been / will be initiated in terms of other legislation please provide the following information:

Authority / government department (ie: consenting authority) to which information has been /will be submitted for final decision: **DEADP**

Present phase at which the process with that authority stands:

Provide a full description of the nature and extent of the proposed development or activity including its potential impacts (eg: changes in land use, envisaged timeframes, provision of additional bulk services, excavations, landscaping, total floor area, height of development, etc. etc.):

**The proposed development is looking at upgrading the existing Klaarstroom oxidation pond wastewater treatment system. The current system consists of a pump station in the Klaarstroom village which pumps the town's wastewater to two ponds located on the northern side of the N12. The current plant has a footprint of approximately 85m x 70m = 5950m<sup>2</sup>. Given the existing layout of the plant, it is proposed that the existing plant be converted to a system comprising an inlet works, dual anaerobic ponds, conventual oxidation ponds and a reed bed. The total area of the plant on completion of the proposed upgrade will be approximately 120m x 70m = 8400m<sup>2</sup>. Thus, a new area of approximately 2 450m<sup>2</sup> (0,245ha) will need to be cleared for the upgrade. The existing system has a given design capacity of 50m<sup>3</sup> per day. The final effluent is currently chlorinated and then irrigated in the veld north of the plant by means of two overhead sprinklers. It is proposed that the current capacity of the Klaarstroom WWTP be upgraded to a new capacity of 61m<sup>3</sup> per day (11m<sup>3</sup>/ day expansion). As described above, given the existing layout of the plant, it is proposed that the existing plant be converted to a system comprising an inlet works, dual aerobic ponds and a reed bed.**

### C. HERITAGE RESOURCES AND IMPACTS THEREUPON

Section 3 of the National Heritage Resources Act sets out the following categories of heritage resource as forming part of the national estate. Please indicate the known presence of any of these by checking the box alongside and then providing a description of each occurrence, including nature, location, size, type

Failure to provide sufficient detail or to anticipate the likely presence of heritage resources on the site may lead to a request for more detailed specialist information.

(The assistance of relevant heritage professionals is particularly relevant in completing this section.)

Provide a short history of the site and its environs (Include sources where available): **See attached Heritage Screening Assessment**

Please indicate which heritage resources exist on the site and in its environs, describe them and indicate the nature of any impact upon them:

	<b>Places, buildings, structures and equipment of cultural significance</b>
<input type="checkbox"/>	Description of resource:
	Description of impact on heritage resource:

<input type="checkbox"/>	<p><b>Places to which oral traditions are attached or which are associated with living heritage</b></p> <p>Description of resource:</p> <p>Description of impact on heritage resource:</p>
<input type="checkbox"/>	<p><b>Historical settlements and townscapes</b></p> <p>Description of resource:</p> <p>Description of impact on heritage resource:</p>
<input type="checkbox"/>	<p><b>Landscapes and natural features of cultural significance</b></p> <p>Description of resource:</p> <p>Description of impact on heritage resource:</p>
<input type="checkbox"/>	<p><b>Geological resources of scientific or cultural importance</b></p> <p>Description of resource:</p> <p>Description of impact on heritage resource:</p>
<input type="checkbox"/>	<p><b>Archaeological resources</b> (Including archaeological sites and material, rock art, battlefields &amp; wrecks):</p> <p>Description of resource:</p> <p>Description of impact on heritage resource:</p>
<input type="checkbox"/>	<p><b>Palaeontological resources</b> (ie: fossils):</p> <p>Description of resource:</p> <p>Description of impact on heritage resource:</p>
<input type="checkbox"/>	<p><b>Graves and burial grounds</b> (eg: ancestral graves, graves of victims of conflict, historical graves &amp; cemeteries):</p> <p>Description of Resource:</p> <p>Description of Impact on Heritage Resource:</p>
<input type="checkbox"/>	<p><b>Other human remains:</b></p> <p>Description of resource:</p> <p>Description of impact on heritage resource:</p>
<input type="checkbox"/>	<p><b>Sites of significance relating to the history of slavery in South Africa:</b></p> <p>Description of resource:</p> <p>Description of impact on heritage resource:</p>

	<b>Other heritage resources:</b>
<input type="checkbox"/>	Description of resource:
	Description of impact on heritage resource:

Describe elements in the environs of the site that could be deemed to be heritage resources:

**This application is for the proposed upgrade to the Klaarstroom WWTW, which is located just outside of Klaarstroom, north of De Rust and south west of Prince Albert, and sits at the northern end of the Meiringspoort Pass. Klaarstroom (Clear Stream) is a small Victorian town established in the mid-1800's, presently located just off the N12 highway. It is said that the Karoo sheep farmers would stop here to wash their wool which they would then sell at Mossel Bay. The town is also mentioned in the Anglo-Boer War Memoir of Deneys Reitz called "Commando". Reitz writes how, having been informed that General Smuts had crossed the Swartberg into the district of Oudtshoorn, his commando makes its way towards the mountain range. "After this we went more carefully, and sunrise found us leading our horses up the street of a tiny village standing at the bottom of the pass. Dogs began to bark, and windows to open, and we saw soldiers running to a large building, so we mounted and rode hastily out." The tiny village is Klaarstroom and the large building is the existing police station.**

**There are no heritage assessments recorded on SAHRIS within 20km of the proposed development (Figure 2). However, it is known that the village of Klaarstroom is a unique, Victorian town located just off the main thoroughfare of the N12. The historic core of Klaarstroom remains largely intact and has a distinctive sense of place. However, the proposed development is unlikely to impact this sense of place as the proposed development is simply an upgrade to the existing WWTW located outside of the Victorian historic core, and on the other side of the N12 (Figure 5.1 and 5.2).**

**Situated on the outskirts of a small Karoo town, and alongside a river, it is likely that Early, Middle and Later Stone Age artefacts are present within the WWTW site. In addition, some of the area has been surveyed for rock art by Nardell and a number of rock art sites have been identified within 20km of the proposed development area (Figure 3). However, as this site is already developed, and as this site is located far from any rocky outcrops, it is unlikely that any significant archaeological resources or rock art sites will be impacted by the proposed development.**

**The area proposed for development is underlain by siltstone, shale and arenaceous shale sediments of the Traka Subgroup of the Bokkeveld Group of the Cape Supergroup (Figure 4.2), of very high palaeontological sensitivity according to the SAHRIS Palaeosensitivity Map (Figure 4.1). According to SAHRIS, the Traka Subgroup is known for its fossils of fish (sharks, acanthodians, placoderms, bony fish, recorded especially from Da), bivalves and vascular plants (psilophytes, lycopods), common but low diversity trace fossils, including *Spirophyton*, and rare brachiopods. Tectonic deformation often limits fossil collection, especially within mudrock-rich horizons, and distorts fossils. Biostratigraphically and palaeoecologically important fossil assemblages are known from high palaeoaltitudes (such as the Klipbakkop and Adolphspoort Fms). These sensitive formations may be impacted by the proposed development, and as such it is recommended that the HWC Fossil Finds Procedure be implemented throughout the development phase.**

Description of impacts on heritage resources in the environs of the site: **None**

Summary of anticipated impacts on heritage resources:

**Due to the location and nature of the proposed development, it is unlikely that significant heritage resources will be impacted by the development and as such, it is recommended that no further heritage studies are required, however the HWC Fossil Finds Procedure must be implemented throughout the development phase.**

ILLUSTRATIVE MATERIAL (This form will not be processed unless the following are included):

Attach to this form a minimum A4 sized locality plan showing the boundaries of the area affected by the proposed development, its environs, property boundaries and a scale. The plan must be of a scale and size that is appropriate to creating a clear understanding of the development.

Attach also other relevant graphic material such as maps, site plans, satellite photographs and photographs of the site and the heritage resources on it and in its environs. These are essential to the processing of this notification.

Please provide all graphic material on paper of appropriate size and on CD ROM in JPEG format. It is essential that graphic material be annotated via titles on the photographs, map names and numbers, names of files and/or provision of a numbered list describing what is visible in each image.

#### D. RECOMMENDATION

In your opinion do you believe that a heritage impact assessment is required?  Yes  No

Recommendation made by:

Name **Jenna Lavin**

Capacity **Heritage Practitioner**

**PLEASE NOTE:** No Heritage Impact Assessment should be submitted with this form or conducted until Heritage Western Cape has expressed its opinion on the need for such and the nature thereof.

#### E. INFORMATION TO BE PROVIDED AND STUDIES TO BE CONDUCTED AS PART OF THE HERITAGE IMPACT ASSESSMENT (HIA)

If it is recommended that an HIA is required please complete this section of the form.

DETAILS OF HERITAGE PRACTITIONERS AND SPECIALISTS INTENDING TO CONDUCT THE HIA:

1 .	<p>Name of individual:                  Name of Practice:                  Area of specialisation:</p> <p>Qualifications:</p> <p>Experience:</p> <p>Standing in heritage resource management:</p> <p>E-mail Address:                  Telephone:                  Cell:</p>
2 .	<p>Name of individual:                  Name of Practice:                  Area of specialisation:</p> <p>Qualifications:</p> <p>Experience:</p> <p>Standing in heritage resource management:</p> <p>E-mail Address:                  Telephone:                  Cell:</p>
3 .	<p>Name of individual:                  Name of Practice:                  Area of specialisation:</p> <p>Qualifications:</p> <p>Experience:</p> <p>Standing in heritage resource management:</p> <p>E-mail Address:                  Telephone:                  Cell:</p>
4 .	<p>Name of individual:                  Name of Practice:                  Area of specialisation:</p> <p>Qualifications:</p> <p>Experience:</p> <p>Standing in heritage resource management:</p> <p>E-mail Address:                  Telephone:                  Cell:</p>
5 .	<p>Name of individual:                  Name of Practice:                  Area of specialisation:</p> <p>Qualifications:</p> <p>Experience:</p> <p>Standing in heritage resource management:</p> <p>E-mail Address:                  Telephone:                  Cell:</p>

If this submission is made in terms of Section 38(8) of the National Heritage Resources Act indicate below the particulars of the principle environmental consultant on the project.

Name of individual: **Emile Esquire** Name of Practice: **EnviroAfrica** Area of specialisation: **EAP**

E-mail Address: **emile@enviroafrica.co.za** Telephone: **27 21 851 1616** Cell:

Postal Address: **P.O. Box 5367, Helderberg, 7135**

**DETAILS OF STUDIES TO BE CONDUCTED IN THE INTENDED HIA**

In addition to the requirements set out in Section 38(3) of the NHRA, indicate envisaged studies:

- |                          |  |
|--------------------------|--|
| <input type="checkbox"/> | Heritage resource-related guidelines and policies.   |
| <input type="checkbox"/> | Local authority planning and other laws and policies.  |
| <input type="checkbox"/> | Details of parties, communities, etc. to be consulted.   |
| <input type="checkbox"/> | Specialist studies, eg: archaeology, palaeontology, architecture, townscape, visual impact, etc.<br>Provide details: |
| <input type="checkbox"/> | Other. Provide details:  |

PLEASE NOTE: Any further studies which Heritage Western Cape may resolve should be submitted must be in the form of a single, consolidated report with a single set of recommendations. Specialist studies must be incorporated in full, either as chapters of the report, or as annexures thereto.