

APPLICATION FORM NOTIFICATION OF INTENT TO DEVELOP SECTION 38 (1) AND SECTION 38 (8)

Heritage Western Cape Reference No:

To be completed by
applicant

20022413

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)

DEADP/ DMR Reference Number:

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: National Department of Environmental Affairs (DEA) [application not yet made but will be in due course]

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:

Street address or location (eg: off R44): off local road, off R364, south of Graafwater

Erf or farm number/s: Portion 25 of the Farm
Bueroskraal 220

Coordinates:
S 32° 10' 58"
E 18° 36' 00"
(A logical centre point. Format based on WGS84.)

Town or District: Graafwater

Municipality: Cederberg

Extent of property: 1.59 ha

Current use: electrical substation

Predominant land use/s of surrounding properties: agriculture

REGISTERED OWNER OF PROPERTY:

| | | |
|--|-------|-----------------------------|
| Name and Surname: | | |
| Address: | | |
| Telephone: | Cell: | E-mail: |
| APPLICANT/ AUTHORISED AGENT: Environmental Manager | | |
| Name and Surname: Justine Wyngaardt | | |
| Address: Eskom Road, Brackenfell, 7560 | | |
| Telephone: 021 980 3822 | Cell: | E-mail: wygaaJO@eskom.co.za |
| <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 two hardcopies of all material submitted together with a CD/ USB containing digital versions of all of the same.</p> | | |

Signature of Owner:  Date: 06 May 2020
 OBO Eskom Holdings SOC (Ltd), WCOU

Signature of Applicant/ Authorised Agent:  Date: 06 May 2020
 (Applicants/ agents must attach copy of power of attorney to this form.)

C. 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 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"/> 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 ² in extent. | | | | |
| <input checked="" type="checkbox"/> Other triggers, eg: in terms of other legislation, (ie: National Environment Management Act, etc.) Please set out details: Under NEMA, the proposed project requires the compilation of a Basic Assessment Report. | <table border="1"> <tr> <td data-bbox="837 539 1485 645"> <input type="checkbox"/> (i) exceeding 5 000m² in extent; </td> </tr> <tr> <td data-bbox="837 645 1485 719"> <input type="checkbox"/> (ii) involving three or more existing erven or subdivisions thereof; </td> </tr> <tr> <td data-bbox="837 719 1485 831"> <input type="checkbox"/> (iii) involving three or more erven or divisions thereof which have been consolidated within the past five years. </td> </tr> </table> <p>If you have checked any of the three boxes above, describe how the proposed development will change the character of the site:</p> | <input type="checkbox"/> (i) exceeding 5 000m ² 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. |
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| <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. | | | | |

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: National Department of Environmental Affairs (DEA)

Present phase at which the process with that authority stands: pre-application phase

Provide a full description of the nature and extent of the proposed development or activity including its potential impacts:

Eskom Holdings SOC intends to install a grid-scale battery storage system and associated infrastructure at the Graafwater Substation near Graafwater in the Western Cape Province. Three technology alternatives are proposed to be installed: Lithium-ion State Battery; Vanadium Flow Battery; and Zinc-Bromide Flow Battery. The chemical composition of all these technology alternatives is considered to be hazardous, containing toxic material. All the batteries will be containerized which makes provision for secondary containment to accommodate any spills as a result of normal operation and maintenance. Four banks of batteries are proposed, one on the existing substation floor, one to the northwest of the substation but within the compound and two to the north of the substation and within the compound (please see attached layout).

D. ANTICIPATED IMPACTS ON HERITAGE RESOURCES

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):

The site is in a rural area surrounded by farmland. An earlier survey of the surrounding area showed only rare scattered Stone Age flakes and the base of a historical wine bottle. The property accommodating the substation was subdivided off the parent farm and registered in 1970, while servitudes for the adjoining powerlines were registered in 1973 and 1974, presumably indicating the approximate age of the substation and powerlines. Fransen (2004) notes that the town only became an independent Dutch Reformed Congregation in 1947 and was independently managed from 1950.

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

| | |
|--------------------------|--|
| X | <p>Places, buildings, structures and equipment of cultural significance</p> <p>Description of resource: A corrugated iron Anglo-Boer War fort and a historic dovecot, both PHSs, are located just outside the town of Graafwater (Fransen 2004). Their exact locations and present condition are unknown. A number of historical structures occur in Graafwater but the town is too far from the study area to be of concern.</p> <p>Description of impact on heritage resource: No impacts expected.</p> |
| <input type="checkbox"/> | <p>Places to which oral traditions are attached or which are associated with living heritage</p> <p>Description of resource: n/a</p> <p>Description of impact on heritage resource: n/a</p> |
| X | <p>Historical settlements and townscapes</p> <p>Description of resource: The earliest aerial photography dates to 1942 and shows only a very small village in what is now the eastern part of a far larger village. Nonetheless, this section of Graafwater can be regarded as a historical settlement. It has many trees which screen the surrounding landscape from view once one is within this area.</p> <p>Description of impact on heritage resource: No impacts expected.</p> |
| X | <p>Landscapes and natural features of cultural significance</p> <p>Description of resource: The Sandveld area and scattered sandstone koppies can be regarded as aesthetically significant visual resources. The R364 which links Clanwilliam and Lambert's Bay and passes about 2.7km north of the site, is regarded by Winter and Oberholzer (2103, WC scenic resources study) as a route of local (Grade III) significance. The road leading southwards past the substation is a local road used primarily for access to the various farms to the south of Graafwater. It was only tarred in 2014. The famous Heerenlogement Cave (PHS) is some 20 km to the north and will not be affected.</p> <p>Description of impact on heritage resource: Given the existence of the substation,</p> |

| | |
|-------------------------------------|---|
| | and despite its small size, the addition of containers will not have any significant additional impact on the aesthetic value of the cultural landscape. The containers are not higher than the existing structure on site and no visual concerns exist. |
| <input type="checkbox"/> | Geological resources of scientific or cultural importance Description of resource: n/a Description of impact on heritage resource: n/a |
| <input checked="" type="checkbox"/> | Archaeological resources (Including archaeological sites and material, rock art, battlefields & wrecks): Description of resource: Scattered isolated Stone Age artefacts and the base of a historical wine bottle were seen in the area immediately north of the substation site (Orton 2012, HIA for neighbouring proposed solar farm) and further archaeological materials are not expected in the immediate area. Archaeological sites are likely to be largely confined to the deflation hollows and rock shelters of the area. Description of impact on heritage resource: No impacts are expected. |
| <input checked="" type="checkbox"/> | Palaeontological resources (ie: fossils): Description of resource: Although the area is indicated on the SAHRIS Palaeosensitivity map as being of high palaeontological sensitivity, Pether (2012, PIA for neighbouring proposed solar farm) considered the area to be of low sensitivity. He noted the bedrock to be Piekenierskloof Conglomerate, which is not significantly fossiliferous, likewise the surface soil which in this area is heuweltjiesveld. Description of impact on heritage resource: No significant impacts are expected. |
| <input type="checkbox"/> | Graves and burial grounds (eg: ancestral graves, graves of victims of conflict, historical graves & cemeteries): Description of Resource: n/a Description of Impact on Heritage Resource: n/a |
| <input checked="" type="checkbox"/> | Other human remains: Description of resource: There is always a very small chance of uncovering isolated and unmarked Stone Age human burials. The chances of this happening, however, are deemed to be extremely small for this site. Description of impact on heritage resource: No impacts expected. |
| <input type="checkbox"/> | Sites of significance relating to the history of slavery in South Africa: Description of resource: n/a Description of impact on heritage resource: n/a |
| <input type="checkbox"/> | Other heritage resources: Description of resource: n/a Description of impact on heritage resource: n/a |

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

Description of impacts on heritage resources in the environs of the site: as above

Summary of anticipated impacts on heritage resources:

No significant impacts to heritage resources are expected.

E. 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/ USB 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.

F. RECOMMENDATION

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

Recommendation made by:

Name: Dr Jayson Orton

Capacity: Archaeologist and heritage consultant

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.

G. 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 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. Provide details: |
| <input type="checkbox"/> | Other. Provide details: |

PLEASE NOTE: Any further studies which Heritage Western Cape requires 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.

