



iLifa leMveli leNtshona Koloni
Erfenis Wes-Kaap
Heritage Western Cape

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: 16052406

DEADP Reference Number:

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: National DEA

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: Koeberg Nuclear Power Station

Street address or location (eg: off R44): Off R27

Erf or farm number/s: Farm 1552

Coordinates: 33° 40' 29"S 18° 26' 13"E
(A logical centre point. Format based on WGS84.)

Town or District: Melkbosstrand

Responsible Municipality: City of Cape Town

Extent of property: 1286.7105 ha

Current use: Property has Koeberg Nuclear Power Station but site is vacant.

Predominant land use/s of surrounding properties: vacant/nature reserve with residential area (Duynefontein) 1.75 km to the south.

REGISTERED OWNER OF PROPERTY:

Name Please see attached letter.

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:

<p>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.</p>	
<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.	<p>S38(1)(c) Any development or activity that will change the character of a 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.
<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: The proposed projects requires a NEMA application and a Basic Assessment will be carried out.	
<p>If you have checked any of the three boxes above, describe how the proposed development will change the character of the site:</p>	
<p>If an impact assessment process has also been / will be initiated in terms of other legislation please provide the following information:</p> <p>Authority / government department (ie: consenting authority) to which information has been /will be submitted for final decision: National Department of Environmental Affairs (DEA)</p> <p>Present phase at which the process with that authority stands: Pre-application phase</p>	

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.): Because of the number of staff working at Koeberg, the existing car park has become too small and overflow parking has been occurring alongside the formal car park. As a result a new extension to the existing car park has been proposed (please see map attached). The construction work will entail typical layerworks as used in road construction with a depth of between 380 mm and 500 mm. The deepest excavations, up to 1 m deep, will be required in areas where drainage will be installed but depths can vary slightly depending on the slope and the subsurface conditions.

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): The Koeberg Nuclear Power Station was built in the 1970s to provide electricity to South Africa. Prior to that the site was empty land covered in sand dunes and coastal vegetation. During construction material excavated from the foundations was dumped and spread in the vicinity of the present study area, although it is unknown how deep this disturbed material may be. This is borne out by the water worn shell fragments and pebbles visible across the site. Broken fragments of calcrete also testify to material having been dumped there. The attached historical aerial photographs show the area disturbed during construction. It does not appear that excavations have been carried out in the study area, however, which means that intact deposits may be present beneath.

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

<input type="checkbox"/>	<p>Places, buildings, structures and equipment of cultural significance</p> <p>Description of resource: n/a</p> <p>Description of impact on heritage resource: n/a</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>
<input type="checkbox"/>	<p>Historical settlements and townscapes</p> <p>Description of resource: n/a</p> <p>Description of impact on heritage resource: n/a</p>
<input type="checkbox"/>	<p>Landscapes and natural features of cultural significance</p> <p>Description of resource: n/a</p> <p>Description of impact on heritage resource: n/a</p>
<input type="checkbox"/>	<p>Geological resources of scientific or cultural importance</p> <p>Description of resource: n/a</p> <p>Description of impact on heritage resource: n/a</p>

<input checked="" type="checkbox"/>	<p>Archaeological resources (Including archaeological sites and material, rock art, battlefields & wrecks):</p> <p>Description of resource: There is a small possibility that occasional stone artefacts might be present in the vicinity. this is based on the extensive work at the site of Duinefontein 2 (DFT2) located some 1.3 km northwest of the proposed car park. However, given the surface disturbance and the fact that material has been dumped over the site during construction of the power station, no significant archaeology is expected to be present. Nothing was seen during the site inspection.</p> <p>Description of impact on heritage resource: Only a very small chance of encountering occasional artefacts. However, if the artefacts are associated with fossil bones then they bones would be regarded as archaeological (e.g. DFT2).</p>
<input checked="" type="checkbox"/>	<p>Palaeontological resources (ie: fossils):</p> <p>Description of resource: The area is well known for the fossil material that has been recovered both from the DFT1 and DFT2 excavations as well as from within the power station site. DFT1 was an old hyena lair associated with calcrete, while DFT2 was a series of bone horizons (with rare stone artefacts) thought to have been deposited around a wetland. The general swathe of fossil material from this area extends from Langebaanweg in the north right down to Woodstock Beach in the south but the density and nature of fossil material varies greatly as demonstrated even by the sites within the immediate area. Given the very shallow earthworks required for this project it is envisaged that no significant impacts into undisturbed fossil-bearing horizons will occur. The field inspection revealed three large fragments of bone but their mixed context shows that they are out of place.</p> <p>Description of impact on heritage resource: If the dumped material on the surface is shallow then excavations for drainage structures could penetrate into sensitive layers. There is also the chance that larger fossils could break under the force of compaction of the surface during construction.</p>
<input type="checkbox"/>	<p>Graves and burial grounds (eg: ancestral graves, graves of victims of conflict, historical graves & cemeteries):</p> <p>Description of Resource: n/a</p> <p>Description of Impact on Heritage Resource: n/a</p>
<input type="checkbox"/>	<p>Other human remains:</p> <p>Description of resource: n/a</p> <p>Description of impact on heritage resource: n/a</p>
<input type="checkbox"/>	<p>Sites of significance relating to the history of slavery in South Africa:</p> <p>Description of resource: n/a</p> <p>Description of impact on heritage resource: n/a</p>
<input type="checkbox"/>	<p>Other heritage resources:</p> <p>Description of resource: n/a</p> <p>Description of impact on heritage resource: n/a</p>

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: It is anticipated that fossil bones and shells that are no longer in primary context will be moved around and possibly damaged by the proposed development. However, the material is of no scientific value because of its context. Because it is not known how deep the disturbed material on the surface is, there is a chance that intact deposits could be intersected during excavations for subsurface drainage structures. Compaction of the surface during construction could also result in damage to fossils preserved beneath the surface.

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 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.

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.	Name of individual: Dr Jayson Orton Name of Practice: ASHA Consulting (Pty) Ltd Area of specialisation: Archaeology Qualifications: D.Phil (Archaeology) Experience: CRM practitioner since 2004. Participated in two excavation seasons at DFT2. Standing in heritage resource management: Accredited heritage practitioner with APHP. Accredited archaeologist with ASAPA (including PI for Stone Age and shell middens) E-mail Address: jayson@asha-consulting.co.za Telephone: 021 788 8425 Cell: 083 272 3225
2.	Name of individual: Name of Practice: Area of specialisation: Qualifications: Experience: Standing in heritage resource management: E-mail Address: Telephone: Cell:

3.	Name of individual:	Name of Practice:	Area of specialisation:
	Qualifications:		
	Experience:		
	Standing in heritage resource management:		
	E-mail Address:	Telephone:	Cell:
4.	Name of individual:	Name of Practice:	Area of specialisation:
	Qualifications:		
	Experience:		
	Standing in heritage resource management:		
	E-mail Address:	Telephone:	Cell:
5.	Name of individual:	Name of Practice:	Area of specialisation:
	Qualifications:		
	Experience:		
	Standing in heritage resource management:		
	E-mail Address:	Telephone:	Cell:
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: Ryan Jonas Name of Practice: Advisian Area of specialisation: Environmental Impact Assessment			
E-mail Address: ryan.jonas@advisian.com Telephone: 021 912 3008 Cell: 082 257 2637			
Postal Address: 31 Allen Drive, Loevenstein, Bellville, 7530			

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 checked="" type="checkbox"/>	Specialist studies, eg: archaeology, palaeontology, architecture, townscape, visual impact, etc. Provide details: Archaeology/palaeontology (including test excavations to establish significance)
<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.	