



**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:	DEADP Reference Number: N/A
<b>NOTE:</b> 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:	
<input checked="" type="checkbox"/>	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
<input type="checkbox"/>	This development will not require a NEMA application.
<b>NOTE:</b> 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): West Coast off the R27	
Erf or farm number/s: Farm 1552, Duynefontyn	Coordinates: 33°40'22.89"S 18°25'48.82"E (A logical centre point. Format based on WGS84.)
Town or District: Duynefontein (Melkbosstrand)	Responsible Municipality: Cape Town (Blaauberg Division)
Extent of property: approx 8000 sqm	Current use: Power Generation (Zoning: Risk Industry)
Predominant land use/s of surrounding properties: Koeberg Nuclear Power Station and Koeberg Nature Reserve	

**REGISTERED OWNER OF PROPERTY:**

Name Riedewaan Bakardien		
Address Koeberg Operating Unit, R27 Off West Coast Road, Melkbosstrand, Western Cape, 7440		
Telephone 021 550 4671	Cell 083 241 0371	E-mail riedewaan.bakardien@eskom.c

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.

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.

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

Date 19 / 10 / 20 15

**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 checked="" type="checkbox"/> (i) exceeding 5 000m <sup>2</sup> in extent;
<input type="checkbox"/> S38(1)(d) Rezoning of a site exceeding 10 000m <sup>2</sup> in extent.	<input type="checkbox"/> (ii) involving three or more existing erven or subdivisions thereof;
<input checked="" type="checkbox"/> Other triggers, eg: in terms of other legislation, (ie: National Environment Management Act, etc.) Please set out details: National Environmental Management Act (Act 107 of 1998), National Water Act (Act 36 of 1998), Nuclear Energy Act (Act 46 of 1999) and National Nuclear Regulator Act (Act 47 of 1999).	<input type="checkbox"/> (iii) involving three or more erven or divisions thereof which have been consolidated within the past five years.
If you have checked any of the three boxes above, describe how the proposed development will change the character of the site: No specific character change anticipated. The area is already highly industrialised and the addition of another industrial structure will not be out of character or affect the sense of place.	

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: Department of Environment Affairs

Present phase at which the process with that authority stands: Scoping Phase

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 activity is the construction of a Transient Interim Storage Facility (TISF) for the temporary storage of dry casks to accommodate used nuclear fuel from the reactors at one of two proposed alternative sites within the high security cordon (Owner Controlled Area) of the Koeberg Nuclear Power Station (KNPS). The proposed facility will consist of concrete pad(s) within a site footprint of 12 800 sqm. Currently the spent fuel pools (SPFs) at the KNPS are filling up therefore the new facility will be needed to serve for the operational life of the power station. The used fuel will ultimately either be sent to a reprocessing facility when uranium and plutonium extraction becomes economically viable, or it will be disposed of at an approved repository or the long-term off-site storage facility, such as the proposed Centralised Interim Storage Facility (CISF).

### 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): Fossil beds to the north of the KNPS have indicated that in Pleistocene times the area was a grassland rich in wildlife (including extinct forms) as well as early humans. This is revealed at the rich archaeological site known as Duinefontein 2. In later years the coastal regions of the south western Cape were occupied in pre-colonial times by peoples who exploited marine resources for their livelihood. Human occupation of the coast is archaeologically reflected in the thousands of shell midden sites and rock shelter deposits. Herder sites, such as at Kasteelberg, show occupation between 1800 and 1600 years ago. European explorers had contact with many of the Khoekhoen groups along the coast. These peoples included the CochoqQua, whose territory stretched from Saldanha Bay to Vredenburg, and the ChariGuriQua or GuriQua who occupied the lower Berg River area, St Helena Bay and points around Piketberg. Shell middens have been observed locally at Blouberg Beach, Atlantic Beach but very few within the Koeberg Nature Reserve despite exhaustive surveys.

In the archival documentation there is reference to a Hermanus Dempers as ‘inhabitant and owner of the ‘Opstal’ on the loan place named Duinefontein’ (CA CO 3985 ref, 117, CO 3887 ref 79). When the property was surveyed in 1834 for the quitrent grant, there is no indication of houses or any built structures. There is, however, a ‘Kraal Ordannantie’ which features on the diagram as well as the later 1890 SW Cape survey map. The colonial period history of Duinefontein is interesting, however it does not reveal any particular significance in terms of associations with events, or important historical personalities.

The KNPS was built in the decade of the 1970's on what was then a very undeveloped and alien infested farm.

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

<input type="checkbox"/>	<b>Places to which oral traditions are attached or which are associated with living heritage</b> Description of resource: N/A Description of impact on heritage resource:
<input type="checkbox"/>	<b>Historical settlements and townscapes</b> Description of resource: N/A Description of impact on heritage resource:
<input type="checkbox"/>	<b>Landscapes and natural features of cultural significance</b> Description of resource: N/A Description of impact on heritage resource:
<input type="checkbox"/>	<b>Geological resources of scientific or cultural importance</b> Description of resource: N/A Description of impact on heritage resource:
<input type="checkbox"/>	<b>Archaeological resources</b> (Including archaeological sites and material, rock art, battlefields & wrecks): Description of resource: N/A Description of impact on heritage resource:
<input checked="" type="checkbox"/>	<b>Palaeontological resources</b> (ie: fossils): Description of resource: Palaeontological resources at depths 10m + will not be impacted, Description of impact on heritage resource:
<input type="checkbox"/>	<b>Graves and burial grounds</b> (eg: ancestral graves, graves of victims of conflict, historical graves & cemeteries): Description of Resource: N/A Description of Impact on Heritage Resource:
<input type="checkbox"/>	<b>Other human remains:</b> Description of resource: N/A Description of impact on heritage resource:
<input type="checkbox"/>	<b>Sites of significance relating to the history of slavery in South Africa:</b> Description of resource: N/A Description of impact on heritage resource:
<input type="checkbox"/>	<b>Other heritage resources:</b> Description of resource: N/A Description of impact on heritage resource:

Describe elements in the environs of the site that could be deemed to be heritage resources: While the broader site is rich in particularly Pleistocene fossil deposits and possibly even earlier Miocene and Pliocene deposits at deep depth, the site of the proposed activity is sterile and massively transformed when the power station was built. The activity itself will not penetrate deep enough to impact deeply lying fossils (10+ meters). The proposed activity will be visually dwarfed by existing structures and does not constitute a heritage impact.

The study area stands on the site of what was previously massive earthworks and lay down areas for the construction of the KNPS between 1976 and 1981.

Description of impacts on heritage resources in the environs of the site: N/A

Summary of anticipated impacts on heritage resources: N/A

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 Tim Hart

Capacity Project 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: Tim Hart Name of Practice: ACO Associates CC Area of specialisation: Archaeologist, general heritage practitioner. Qualifications: MA Experience: 30 years Standing in heritage resource management: Considered experienced E-mail Address: Tim.Hart@aco-associates.com Telephone: 27 (0)21 706 4104 Cell: 27 (0)73 141 8618
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2.	Name of individual: Qualifications: Experience: Standing in heritage resource management: E-mail Address: Telephone: Cell:	Name of Practice:     Telephone: Cell:	Area of specialisation:       Cell:
3.	Name of individual: Qualifications: Experience: Standing in heritage resource management: E-mail Address: Telephone: Cell:	Name of Practice:     Telephone: Cell:	Area of specialisation:       Cell:
4.	Name of individual: Qualifications: Experience: Standing in heritage resource management: E-mail Address: Telephone: Cell:	Name of Practice:     Telephone: Cell:	Area of specialisation:       Cell:
5.	Name of individual: Qualifications: Experience: Standing in heritage resource management: E-mail Address: Telephone: Cell:	Name of Practice:     Telephone: Cell:	Area of specialisation:       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: Sharon Jones Name of Practice: SRK Consulting (Pty) Ltd Area of specialisation: Environmental Management Services  E-mail Address: sjones@srk.co.za Telephone: 27 (0)21 659 3060 Cell: 27 (0)82 876 0638;  Postal Address: The Administrative Building, Albion Spring, 183 Main Road, Rondebosch, 7700 Postnet Suite #206, Private Bag X18, Rondebosch 7701			

**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: Site inspection only for general heritage
<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.	

**Illustrative material to accompany NID**

**PROPOSED TRANSIENT INTERIM STORAGE FACILITY AT  
FARM DUYNEFONTYN 1552 (KOEBERG)  
WESTERN CAPE PROVINCE**





Farm 1552 (Koeberg)





[https://en.wikipedia.org/wiki/Dry\\_cask\\_storage](https://en.wikipedia.org/wiki/Dry_cask_storage)



<http://www.connyankee.com/>

Examples of dry used fuel storage caskets – steel casks are on the left while the image on the right shows concrete casks. Note that both examples are placed on concrete receiving pads. As yet the exact form of cask to be used at Koeberg has not been decided on. The above examples are indicative as they provide a sense of scale and form.

**Our Ref:** HM\CAPE TOWN METROPOLITAN\KOEBERG\FARM 1552 DUYNFONTYN  
**Case No.:** 16022313AS0224E  
**Enquiries:** Andrew September  
**E-mail:** [andrew.september@westerncape.gov.za](mailto:andrew.september@westerncape.gov.za)  
**Tel** 021 483 9543  
**Date:** 16 March 2016



Sharon Jones  
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Rondebosch  
7701

**RESPONSE TO NOTIFICATION OF INTENT TO DEVELOP: FINAL**  
**In terms of Section 38(8) of the National Heritage Resources Act (Act 25 of 1999) and the Western Cape**  
**Provincial Gazette 6061, Notice 298 of 2003**

**NOTIFICATION OF INTENT TO DEVELOP: PROPOSED TRANSIENT INTERIM STORAGE FACILITY, KOEBERG NUCLEAR POWER STATION SUBMITTED IN TERMS OF SECTION 38(8) OF THE NATIONAL HERITAGE RESOURCES ACT (ACT 25 OF 1999)**

**CASE NUMBER: 16022313AS0224E**

The matter above has reference.

Heritage Western Cape is in receipt of your application for the above matter received on 29 February 2016. This matter was discussed at the Heritage Officers meeting held on 11 March 2016.

You are hereby notified that, since there is no reason to believe that the proposed interim storage material will impact on heritage resources, no further action under Section 38 of the National Heritage Resources Act (Act 25 of 1999) is required.

However, should any heritage resources, including evidence of graves and human burials, archaeological material and paleontological material be discovered during the execution of the activities above, all works must be stopped immediately and Heritage Western Cape must be notified without delay.

This letter does not exonerate the applicant from obtaining any necessary approval from any other applicable statutory authority.

HWC reserves the right to request additional information as required.

Should you have any further queries, please contact the official above and quote the case number.

Yours faithfully

  
.....  
Dr. Errol Myburg  
(Interim CEO: Heritage Western Cape)

[www.westerncape.gov.za/cas](http://www.westerncape.gov.za/cas)

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