

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

**Heritage Western Cape Reference No:**

To be completed by  
applicant

**20122401**

**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 Environment, Forestry & Fisheries (DEFF) [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: n/a

Street address or location (eg: off R44): Off R327 and N2

Erf or farm number/s: Power station to be on Portion 6 of Farm 244. Power line and gas pipeline to cross a large number of properties but the latter will be mostly within road and/or railway reserve.

Coordinates for power station:

S 34° 09' 40"

E 21° 58' 49"

(A logical centre point. Format based on WGS84.)

Town or District: Mossel bay

Municipality: Mossel Bay

Extent of property: 49.03 ha for the power station site

Current use: agriculture

Predominant land use/s of surrounding properties: agriculture to the north and industrial to the south

**REGISTERED OWNER OF PROPERTY:** *(This is for power station site. The linear aspects do not require landowner permission for the application process under NEMA and the exact alignments and properties affected are still being finalised.)*

Name and Surname: Protea van Rensburg

Address: Portion 6 of the Farm 244 Duinzigt, Mossel bay Rd

Telephone: 044 802 5700

Cell:

E-mail:

APPLICANT/ AUTHORISED AGENT:

Name and Surname: Aldworth Mbalato obo DNG Power Holdings

Address: 27 Fricker Rd, Illovo, 2196

Telephone: 010 880 2935

Cell:

E-mail: insights@dng.energy

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.

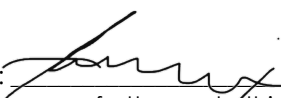
I confirm that I enclose with this form two hardcopies of all material submitted together with a CD/ USB containing digital versions of all of the same.

Signature of Owner: pp



Date: 21.01.2021

Signature of Applicant/ Authorised Agent:



Date: 21.01.2021

(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"/> (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.	
<b>X</b>	Other triggers, eg: in terms of other legislation, (ie: National Environment Management Act, etc.) Please set out details: A full scoping and EIA process is required under NEMA.	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: National Department of Environment, Forestry & Fisheries (DEFF)

Present phase at which the process with that authority stands: Scoping completed, EIA Phase commencing.

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

The general scope of the project will include:

- LNG procurement and delivery;
- LNG storage and regasification facilities via a Floating Storage Regasification Unit (FSRU) (or equivalent LNG regasification and storage technology);
- Port infrastructure, including fixed maritime structures and modifications;
- Gas transmission pipelines to connect the FSRU (or equivalent LNG regasification and storage technology) with the new power generation facility;
- LNG and or gas distribution hub(s) for third party off-take;
- Power plant, including the high voltage connection to the electrical grid; and
- Arrangements for independent delivery of LNG, and the sale of a modest percentage of gas and LNG to external users.

The project will be developed in two phases with the second phase aimed at increasing the capacity of the power station.

#### 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):

When Diaz first landed at Mossel Bay in 1487 he named it Angra dos Vagueros. Many other Europeans visited its shores to obtain fresh water and food. The Dutch East India Company (VOC) claimed Mossel Bay in 1734. After a 1784 visit from an English ship, the VOC decided to establish an outpost at Mossel Bay. This was done in 1787 when, after a bumper grain crop, they constructed a store to facilitate the export of the grain. Although a small settlement had sprung up around the store by the end of the 18<sup>th</sup> century, it was only in 1848 that a small village, then known as Aliwal, came into being. By 1852 there were 30 houses. Many 19<sup>th</sup> century buildings are preserved within the town (Fransen 2004). The initial settlement was at the western end of the old town, but this is far away from the study area.

The farm portion on which the power station is proposed was created in 1950 through subdivision from Portion 4 of Farm Duinzicht 244 and registered in 1951. Portion 4 was, in turn, surveyed, approved and registered in 1943. The parent farm dates to 1814.

The bay is significant for the many shipwrecks that have occurred there over the centuries, including a supply ship of Bartholomew Diaz.

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**

**Places, buildings, structures and equipment of cultural significance**

Description of resource: Sporadic farms of heritage significance undoubtedly occur in the surrounding area. Fransen (2004) maps Patrysvlei and Kleinberg to the northwest and southeast of PetroSA respectively, but he does not describe them. A structure is visible on the 1957 aerial photograph of the power station site. This was a labourers cottage which has been thoroughly renovated into a modern house with zero heritage value. It is located on a hill at the western edge of the property (the power station will be located well east of this house). The powerline and gas pipeline will not impact on any structures. The gas pipeline passes well north of the old town area of Mossel Bay.

Description of impact on heritage resource: No impacts expected.

<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: unknown but unlikely.</p> <p>Description of impact on heritage resource: No impacts expected.</p>
<input checked="" type="checkbox"/>	<p><b>Historical settlements and townscapes</b></p> <p>Description of resource: The study area is all in recently developed areas. The historical core of Mossel Bay is located well south of the gas pipeline.</p> <p>Description of impact on heritage resource: No impacts expected.</p>
<input checked="" type="checkbox"/>	<p><b>Landscapes and natural features of cultural significance</b></p> <p>Description of resource: The broader agricultural landscape has some aesthetic appeal, but the area around the power station site has been developed with industrial infrastructure including PetroSA which lies immediately south of the power station site and Mossdustria to the southeast. The powerline will cross the agricultural landscape but will follow existing powerlines linking two local Eskom Substations. The gas pipeline will run along road and/or rail reserves and cross the coast alongside an existing industrial area. The proposed land use is thus consistent with the status quo.</p> <p>Description of impact on heritage resource: No significant impacts expected.</p>
<input type="checkbox"/>	<p><b>Geological resources of scientific or cultural importance</b></p> <p>Description of resource: n/a</p> <p>Description of impact on heritage resource: n/a</p>
<input checked="" type="checkbox"/>	<p><b>Archaeological resources</b> (Including archaeological sites and material, rock art, battlefields &amp; wrecks):</p> <p>Description of resource: The wider area is well known for the scatters and, in rare instances, deposits of Early (ESA) and Middle (MSA) Stone Age archaeological materials that occur on the southern coastal plain. Late Stone Age (LSA) materials may also occur but are less likely in this context. Famous sites in the area include the various shelters of the Pinnacle Point Complex (Jacobs 2010; Marean 2010) and the Cape St. Blaize Cave at Mossel Bay (Goodwin &amp; Malan 1935; Keller 1970) which have all yielded important Middle Stone Age (MSA) deposits. The powerline and gas pipeline routes may also contain such materials but the latter is largely following already disturbed road and/or railway reserves. A survey of the power station site showed the presence of ESA and MSA artefacts, especially in the north-western part of the site (see attached photographs). In the far eastern part of the Alternative 1 pipeline route a few stone artefacts were seen in places where the substrate had been disturbed by earlier excavations. In the two areas available for inspection along the powerline route and outside of Farm 244/6 no artefacts were seen.</p> <p>Offshore archaeology is also a significant concern since many historical wrecks are known to have occurred within the Mossel Bay area, and especially around the rocky Seal Island near the undersea pipeline (please see attached map).</p> <p>Description of impact on heritage resource: There is the potential that archaeological materials, especially from the ESA, may be impacted by the proposed development. There is also a distinct possibility of maritime archaeological impacts occurring.</p>
<input checked="" type="checkbox"/>	<p><b>Palaeontological resources</b> (ie: fossils):</p> <p>Description of resource: The SAHRIS Palaeosensitivity map indicates variable sensitivity throughout the study area. Some areas are of low sensitivity, including the power station and power line areas. Some of the Alternative 1 gas pipeline is of low</p>

	<p>sensitivity but the rest and mot of the Alternative 2 alignment are of medium to very high sensitivity. According to palaeontologist John Pether (pers.comm. 2020), the geology in this area tends to be quite deformed and weathered but there is nonetheless a chance that fossils could be impacted during development.</p> <p>Description of impact on heritage resource: There is a small chance that impacts to fossils could occur.</p>
<b>X</b>	<p><b>Graves and burial grounds</b> (eg: ancestral graves, graves of victims of conflict, historical graves &amp; cemeteries):</p> <p>Description of Resource: Farm graveyards may be present in the broader study area but not along the road and railway reserves proposed for the pipelines. None have been seen on aerial photography anywhere in the study area and none were seen during the fieldwork.</p> <p>Description of Impact on Heritage Resource: No impacts expected.</p>
<b>X</b>	<p><b>Other human remains:</b></p> <p>Description of resource: Isolated unmarked human burials can occur just about anywhere. They cannot be predicted or meaningfully assessed, although there is a higher chance of finding such burials along the coast.</p> <p>Description of impact on heritage resource: Impacts very unlikely.</p>
<input type="checkbox"/>	<p><b>Sites of significance relating to the history of slavery in South Africa:</b></p> <p>Description of resource: n/a</p> <p>Description of impact on heritage resource: n/a</p>
<input type="checkbox"/>	<p><b>Other heritage resources:</b></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:

The main potential impacts are to terrestrial and maritime archaeology and possibly to palaeontology. Visual impacts to the cultural landscape are of no concern because the site is well placed alongside existing industrial infrastructure, roads, railways and power lines.

**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 checked="" type="checkbox"/>	Specialist studies, eg: archaeology, palaeontology, architecture, townscape, visual impact, etc. Provide details: Terrestrial and Maritime Archaeology, Palaeontology desktop
<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.