

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

**Heritage Western Cape Reference No:**

To be completed by  
applicant

20100508

**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)

DEFF case ID: 14/12/16/3/3/2/2008

X

This application is made in terms of Section 38(8) of the NHRA. An application under NEMA has been made to the following authority: Departmental of Environment, Forestry and Fisheries (DEFF)

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: Portion 69 (a portion of Remainder Portion 13) of the Farm Yzervarkensrug Number 127, Saldanha Bay Municipality, Malmesbury Administrative District

Street address or location (eg: off R44): Off Camp Street, Besaansklip Industrial Area, Saldanha Bay

Erf or farm number/s: Portion 69 (a portion of Remainder Portion 13) of the Farm Yzervarkensrug Number 127

Coordinates:  
S: 32°59'21"  
E: 18°00'18"  
(A logical centre point. Format based on WGS84.)

Town or District: Saldanha

Municipality: Saldanha

Extent of property: 4.0527 hectares

Current use: LPG gas storage and handling

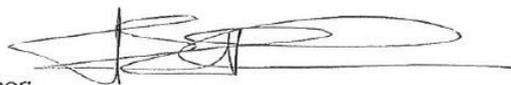
Predominant land use/s of surrounding properties: Heavy industry, port, railway, gas handling




**REGISTERED OWNER OF PROPERTY:**

Name and Surname: Avedia Energy Proprietary Limited		
Address: 16 <sup>th</sup> Floor, Portside Building, 4 Bree Street, Cape Town 8001; 27 Munich Road, Boquinar Industrial Area, Cape Town 7490		
Telephone: 021 418 0280	Cell 072 520 9951	E-mail info@www.avediaenergy.com
<b>APPLICANT/ AUTHORISED AGENT:</b>		
Name and Surname: Melanie Attwell		
Address: 2 Caxton Close, Oakridge, Cape Town 7806		
Telephone 021 715 0330	Cell 082 771 6286	E-mail melanie.attwell@gmail.com
<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>		
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: \_\_\_\_\_



Date: \_\_\_\_\_

14 Oct 2020

Mr Atose Aguele, Managing Director, Avedia Energy Pty Ltd)

Signature of Applicant/ Authorised Agent: \_\_\_\_\_ Date: \_\_\_\_\_

(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 checked="" type="checkbox"/> <b>X</b> 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"/> <b>X</b> (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 checked="" type="checkbox"/> <b>X</b> (ii) involving three or more existing erven or subdivisions thereof;
<input checked="" type="checkbox"/> <b>X</b> Other triggers, eg: in terms of other legislation, (ie: National Environment Management Act, etc.) Please set out details:  NEMA triggers	<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:  LPG storage and handling facilities currently occupy the southern section of the site. They include mounded tank storage, a covered LPG tanker filling station, offices, roads and parking.  The northern section of the site is largely vacant and unused. The -gas-to-power plant and associated infrastructure will occupy this space.  The development will complement industrial use already evident on the site and surrounding areas. Heavy industry in the immediate vicinity includes the adjacent Arcelor Mittal iron and steel works (Saldanha Steel). The site lies next to the Sishen-Saldanha railway line near the Port of Saldanha.  The site, in the Besaansklip Industrial Area, is not situated near any identified cultural landscape or scenic route. The Arcelor Mittal plant provides the area's main landmark. The area is otherwise flat and featureless.  While the route of a power transmission line will affect three or more erven, the erven concerned

will only be known once the preferred option has been decided as result of an environmental scoping report. Five options have been identified.

The same applies to the route of a proposed LPG pipeline from the site to other potential projects in the area. The route of a second pipeline, to the port, has been approved.

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

A previous Heritage (Paleontological) Impact Assessment (PIA) evaluated the site in 2012 for the development of the existing LPG bulk storage and handling facility on the site. The paleontologist will update the PIA for the latest project on the same site to inform an application for environmental authorisation of the latest project in terms of NEMA.

Authority / government department (ie: consenting authority) to which information has been /will be submitted for final decision: Department of the Environment, Forestry and Fisheries.

Present phase at which the process with that authority stands: Scoping study as part of a tender application process.

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

Avedia Energy has authorized Assegai Power (Pty) Ltd to construct a gas-to-power electricity generation plant on the northern end of Portion 69 of Farm 127, Saldanha Bay.

Avedia Energy is a supplier of liquified petroleum gas (LPG) and operates a bulk LPG import and handling facility mainly on the southern section of the site.

Assegai Power wishes to transmit electricity directly into the Eskom grid. The proposal forms part of a bid submission to be included under the Independent Power Producers (IPP) Risk Mitigation Procurement Programme advertised by the Department of Mineral Resources and Energy (DMRE).

The proposal involves feeding LPG via a pipeline from a Very Large Gas Carrier (VLGC) at the port to Avedia Energy's existing terminal onshore. The vessel will provide primary storage, while the onshore facility will provide secondary storage.

The proposed power plant on the Avedia site will consist of 12 gas-fired turbines supplied from existing LPG tanks on the site. The plant is expected to produce 320 MW of power.

The power plant will cover an area of about 0.5 hectares on the northern corner of the site. This will require minor clearing and stabilisation of the area to accommodate the plant, probably on concrete slabs.

The facility will include a new substation for transmitting electricity via a new 132 kV line to an existing power line near the site, or alternatively to the Blouwater substation. The developer is considering five options for transmission lines during the scoping phase.

Existing service infrastructure on the site will support the power generation facility.

Assegai Power plans to install pipelines linking the site to the port, and to other potential projects in the area.

The developer will investigate water injection technology for cleaner emissions, using about 10 litres per hour per gas turbine. A high-yielding, existing borehole will provide the water. An additional borehole may be drilled to meet water demand once plans have been finalized and the required volumes known.

A Paleontological Impact Assessment (PIA) in 2012 and updated in 2020 found that there are no heritage resources on the surface of the site. However, the receiving environment is known for important paleontological finds and consequently careful monitoring was written into the environmental RoD.

Environmental authorisation for the LPG plant on the site in 2014 included instructions for monitoring and management in line with detailed procedures recommended by the PIA to ensure the protection of any paleontological resources found during excavation and development of the site.

Further excavation for the latest project could reveal paleontological resources.

The site is disturbed. The whole site was cleared in late 2014 for the development of the LPG plant. There are no buildings older than 60 years on the site.

The developer is considering five options for a power transmission line linking the gas-to-power plant to the Eskom power grid at a point northeast of the Arcelor Mittal iron and steel works, or alternatively to the Blouwater substation east of Arcelor Mittal.

Foundations for pylons will require some excavation and monitoring for any paleontological resources.

Three of the options skirt the eastern boundary of Arcelor Mittal, adjacent to Portion 69, while two options skirt the western boundary of the iron and steel works. The scoping study, still to be completed, will identify the preferred option and the affected erven.

The same applies to the route of an LPG pipeline to connect the site to other potential projects in the area. An additional pipeline, to the port, as already been approved.

#### **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):

Archaeological and paleontological studies have shown that humans have occupied the Langebaan / Saldanha area from the Early Stone Age more than one million years ago (see appendices).

Notable finds include the Saldanha Skull from Elandsfontein near Hopefield, the oldest known human remains found in the Cape, dating from between 700 000 and 400 000 years ago.

The Khoikhoi, probably the Cochoqua group, were well established in the area by the 15<sup>th</sup> century, primarily

as pastoralists.

The Khoikhoi first encountered Europeans when Vasco da Gama arrived in Saldanha Bay in 1497. They engaged in trade and saw conflict with Europeans during the early colonial period.

Fishing and farming were the primary economic activities during the 18<sup>th</sup> and 19<sup>th</sup> centuries, with some whaling in the early 20<sup>th</sup> century.

A lack of fresh water and arid conditions largely constrained economic development, until military engineers constructed a fresh water supply to the area during World War 2.

Portion 69 of Farm 127 owes its origins to Yzervarkensrug, a large loan farm granted to Daniel Retief and others in 1831. SG diagram 156/1831 suggests that much of the farm was given over to grazing.

The completion of the Port of Saldanha and the Sishen-Saldanha railway line in 1976 heralded the start of Saldanha Bay as a centre for heavy industry, focusing mainly on iron and steel production, and the export of iron ore.

The original farm of Yzervarkensrug covers much of what is now the Besaansklip Industrial Area.

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><b>Places, buildings, structures and equipment of cultural significance</b></p> <p>Description of resource: None</p> <p>Description of impact on heritage resource: n/a</p>
<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: None</p> <p>Description of impact on heritage resource: n/a</p>
<input type="checkbox"/>	<p><b>Historical settlements and townscapes</b></p> <p>Description of resource: None</p> <p>Description of impact on heritage resource: n/a</p>
<input type="checkbox"/>	<p><b>Landscapes and natural features of cultural significance</b></p> <p>Description of resource: None</p> <p>Description of impact on heritage resource: n/a</p>
<input checked="" type="checkbox"/>	<p><b>Geological resources of scientific or cultural importance</b></p> <p>Description of resource: See "paleontological resources" below.</p> <p>Description of impact on heritage resource: See "paleontological resources" below</p>

<input checked="" type="checkbox"/> <b>x</b>	<p><b>Archaeological resources</b> (Including archaeological sites and material, rock art, battlefields &amp; wrecks):</p> <p>Description of resource: See "paleontological resources" below.</p> <p>Description of impact on heritage resource: See "paleontological resources" below</p>
<input checked="" type="checkbox"/> <b>x</b>	<p><b>Palaeontological resources</b> (ie: fossils):</p> <p>Description of resource: The project site is underlain by calcareous aeolianites and calcretes of the Langebaan Formation. The Langebaan Formation aeolianites have been a prime source of information on Quaternary faunas and archaeology. Vertebrate fossil material (bones) have been found in the shallow subsurface in the area. It is possible that older Quaternary "raised beach" deposits of the Velddrift Formation, bearing shell fossils, may be also encountered in excavations.</p> <p>Description of impact on heritage resource: As the older Velddrift Formation marine deposits are seldom exposed and are poorly known, the exposure of these fossiliferous beds would be of considerable interest and of regional significance. Monitoring by on-site personnel and field inspections by a paleontologist / trained fossil excavator are recommended during excavations and construction.</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: None known</p> <p>Description of Impact on Heritage Resource: n/a</p>
<input type="checkbox"/>	<p><b>Other human remains:</b></p> <p>Description of resource: None known</p> <p>Description of impact on heritage resource: n/a</p>
<input type="checkbox"/>	<p><b>Sites of significance relating to the history of slavery in South Africa:</b></p> <p>Description of resource: None</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: None</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:

There are no heritage resources on the surface of the site. Excavation may reveal archaeological or paleontological resources which are currently not known. They will be managed via the EIA process.

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

The site has no heritage significance in visual social or historical terms. Its major significance is its proximity to the Port of Saldanha, the Sishen-Saldanha railway line and the Arcelor Mittal iron and steel works. The site is not in a zone of scenic beauty attached to a scenic drive. The development will complement the existing industrial character of the area.

Summary of anticipated impacts on heritage resources:

There are no heritage resources on the surface of the site. Excavation may reveal archaeological or paleontological resources which are not known at this point. In such cases S 34 NHRA will apply.

**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, because of existing studies of the site identifying and analysing potential paleontological and archaeological resources and recommendation for mitigation as part of the EIA process.

Recommendation made by:

Name: Melanie Attwell

Capacity Heritage Management 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: already undertaken (J Pether 2020)
<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.

17 September 2020

**Power of Attorney**

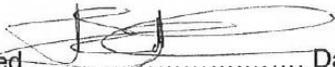
I, Atose Aguele (ID number - 6311285247180 ), owner of the property hereinafter described on which the intended work is to be undertaken, and in respect of which information is submitted to Heritage Western Cape, do hereby nominate, constitute and appoint Heritage Practitioner Melanie Attwell (ID 5309230136087) with power of substitution to be our agent, sign relevant documents and provide such information as is required by Heritage Western Cape, and any other statutory authorities in order to submit a notification of intent to develop our property, and to do whatsoever is necessary as effectively as we could do personally present and hereby promising to ratify and confirm all that our agent shall be lawful to do by virtue here.

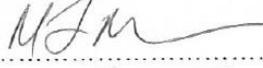
**Property details:**

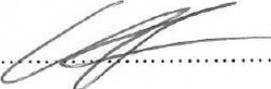
Portion 69 (a portion of Remainder Portion 13) of the farm Yzervarkensrug Number 127, Saldanha Bay Municipality, Administrative District of Malmesbury.

**Insert number and street address**

Avedia Energy, Camp Street, Besaansklip Industrial Area, Saldanha Bay.

Signed  Date 14 Oct 2020 .....registered owner

Signed  Date 14 Oct 2020 .....witness

Signed  Date 14 Oct 2020 .....witness

Farm  
unsrug  
P O Box 6839  
Rogge Bay  
8012

Assegai Power (Pty) Ltd  
Company Reg. No: 2017/126849/07  
Director: S Rossie