



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: 18031540	DEADP Reference Number: Not Applicable
<p>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.</p>	
<p>If a DEADP reference number is not entered above please check one of the following boxes:</p>	
<p><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: Department of Environmental Affairs</p>	
<p><input type="checkbox"/> This development will not require a NEMA application.</p>	
<p>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.</p>	

B. BASIC DETAILS

PROPERTY DETAILS:

Name of property: SFF - Saldanha Terminal; Existing servitude; and Saldanha Jetty	
Street address or location (eg: off R44): The proposed pipeline route will run in the existing servitude from the SFF Saldanha site (Erf 1038) to the Saldanha Jetty (Erf 1185). See attached locality map.	
Erf or farm number/s: Erf 1038; Registered Servitude between erven 1038 and 1185; Erf 1185	Coordinates: 33 0' 17.10"S 18 1' 19.10"E (A logical centre point. Format based on WGS84.)
Town or District: Saldanha Bay / West Coast District	Responsible Municipality: Saldanha Bay Municipality
Extent of property: Erf 1038 = 176.08ha Erf 1185 = 138.48ha	Current use: SFF operated crude oil jetty and pipeline within the existing servitude which runs from the Saldanha Jetty to the SFF Tank Farm.
Predominant land use/s of surrounding properties: The proposed pipeline route is bordered by undeveloped agricultural land which is categorized by indigenous vegetation in a good condition.	

REGISTERED OWNER OF PROPERTY:

Name SFF Association Incorporated Under Section 21 – Saldanha Tank Farm

Address PO Box 117, Saldanha Bay, 7395		
Telephone 0227036200 / 0215242714	Cell 0835559910	E-mail nataliet@cefgroup.co.za / heinb@cefgroup.co.za
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 22 / 03 / 2018

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"/> 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 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: National Environmental Management Act - EIA Regulations, 2014 as amended (07 April 2017): Activity 7 of GN R325; Activity 51 of GN R327.	
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: Department of Environmental Affairs. DEA Reference: 14/12/16/3/1/1/121	
Present phase at which the process with that authority stands: EA Application and Draft Scoping	

Report to be submitted.

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.):

A technical description of the pipeline :

a) The route (s):

The proposed route for the pipeline would will run in the existing servitude from the Saldanha Terminal (ERF 1038 – indicated in red the diagram below) line to the Saldanha Jetty (ERF 1185 in green in the below diagram).

The proposal is for the development of an 8.3 km LPG (Liquid Petroleum Gas) pipeline, with a diameter of 12inches, will run within an existing servitude from the Jetty to the SFF Saldanha terminal site.

Servitude between the JETTY and the TERMINAL:

A concept study to import LPG via the jetty and route it via the transfer line adjacent to the existing crude oil servitude has been concluded.

The facility will have receiving points on the Langebaan side of the SFF operated crude oil jetty to discharge vaporized LPG into overland pipeline to the Saldanha Tank farm.

The first 300 to 500m of the pipeline is anticipated to be cryogenic to prevent metal (pipe) embrittlement. The exact length (300m or 400m or 500m) will be confirmed by an engineering study commissioned by SFF. The first 1500m (rough estimate) of the pipeline is above ground, alongside the existing crude oil pipeline. The pipe then enters the underground servitude and is routed all the way to the SFF Tank farm. It will then be routed to the new LPG storage tanks to be built. The storage facility will have an LPG loading facility for supply purposes.

The anticipated amount of LPG to be stored is 8000 tons, which is an equivalent of 14 days consumption in the target regions.

Access to the proposed vessel offloading point from the point of connectivity would therefore be via the existing SFF Jetty caissons, to be amended, constructed and operated by SFF in terms of the existing TOA arrangements with TNPA.

b) Diameter :

The design diameter is currently expected to be 12 inches. The final dimensions will depend on the engineering design, the connectivity requirements and required offloading rates, all of which, will be confirmed by the Engineering study.

c) Planned pumping stations:

The current design does not incorporate a pump station(s) and anticipates the offloading of the LPG using the vessel facilities. Should this change during the final engineering design and positioning of the pipeline this will be amended.

d) Receiving and Launching Stations:

The normal LPG loading arms will be installed at the Jetty to receive LPG from the tanker. Allowance for connection of pneumatic testing at pre-commissioning will be accommodated in the final design.

e) Installed design capacity:

It is anticipated that the pipeline will be used to transport 8,000TM of LPG per month. Given the length of the pipeline from the point of connection with the proposed storage tanks at the SFF Terminal will be 8300m the total volume of LPG contained within the pipeline will be approximately 600m³.

It is probable given that the lifespan of the proposed storage facility and the anticipated growth in LPG usage in South Africa and adjoining countries, that the throughput could be increased significantly and storage volume could be turned over more rapidly with increased demand.

f) Initial Capacity:

It is anticipated that the initial volumes carried through the pipeline would on commissioning of the plant reach 8, 000 tons per month in a relatively short period of time.

A technical description of the Storage Facility:

A number of storage facilities were investigated, a mounded bullet design for storage vessels were proposed as the most suitable. Horizontal mounded bullets are generally used for bulk storage of liquefied petroleum gas (LPG). Mounded storage is generally safer than other methods of storing LPG, and cheaper compared to spheres. Mounded LPG bullets are large, sand buried, horizontal cylindrical steel tanks with dished ends of size ranging between 3.5 to 8.5 meters diameter and lengths of up to 70 meters or more. Depending on the size, mounded bullets allow storage of LPG up to 2000 MT.

It is estimated that each bullet will have a capacity of at least 320 MT. The total number of tanks is estimated to be 25. This will result in a total of 8000MT, which is our design basis and can accommodate the target parcel sizes we expect. This proposal assumes the 600m³ in the pipeline is buffer ullage. An alternate proposal will require larger bullet sizes of 20 bullets with 400MT to create a buffer ullage.

The final number of tanks and configuration will, however, be confirmed on conclusion of the engineering design work. The LPG bullets will be designed as per design codes PD 5500 and ASME Section VIII, Div 1 or 2.

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 proposal is for the development of an 8.3 km LPG (Liquid Petroleum Gas) pipeline, with an internal diameter of 12 inch, will run within an existing servitude from the SFF Saldanha site to the Jetty.

Biodiversity:

The area in which the pipeline is proposed is classified as Critical Biodiversity Area (terrestrial) according to the Western Cape Biodiversity Spatial Plan, 2017.

Vegetation:

According to the Vegetation Map 2009 the proposed pipeline lies in an area generally supported by the following vegetation types:
 Langebaan Dune Standveld
 Saldanha Limestone Strandveld (LT)
 Cape Seashore Vegetation

Saldanha Limestone Strandveld is categorized as Least Threatened (Status 2016) in terms of the “Ecosystem Threat Status”.

*The Ecosystem Threat Status reflects the current threat status of ecosystems in the Western Cape Province, especially in terms of habitat loss (criterion A1). Ecosystems are based on the SA Vegetation Map (2012 version) and relevant indigenous forest types (DAFF, 2010), as per the national approach to assessing ecosystem threat [Western Cape Biodiversity Spatial Plan, 2017].

It however must be noted that the pipeline route is proposed to run within existing registered servitude. As such the proposed pipeline will have minimal to no impact on the vegetation and biodiversity occurring adjacent to the servitude on which the pipeline is proposed.

Surrounding land uses:

The proposed pipeline route is bordered by undeveloped agricultural land which is categorized by indigenous vegetation in a good condition.

The proposed development is consistent with the current land use existing on the proposed development area. The proposed pipeline will run along the same path as an existing oil pipeline, which is used for the transferring of oil from the Jetty to the SFF Saldanha Tank Farm. The oil pipeline is currently operated by SFF Saldanha and the LPG pipeline will be operated under the same mandate.

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:</p> <p>Description of impact on heritage resource:</p>
<input type="checkbox"/>	<p>Places to which oral traditions are attached or which are associated with living heritage</p> <p>Description of resource:</p> <p>Description of impact on heritage resource:</p>
<input type="checkbox"/>	<p>Historical settlements and townscapes</p> <p>Description of resource:</p> <p>Description of impact on heritage resource:</p>
<input type="checkbox"/>	<p>Landscapes and natural features of cultural significance</p> <p>Description of resource:</p> <p>Description of impact on heritage resource:</p>
<input type="checkbox"/>	<p>Geological resources of scientific or cultural importance</p> <p>Description of resource:</p> <p>Description of impact on heritage resource:</p>
<input type="checkbox"/>	<p>Archaeological resources (Including archaeological sites and material, rock art, battlefields & wrecks):</p> <p>Description of resource:</p> <p>Description of impact on heritage resource:</p>

<input type="checkbox"/>	Palaeontological resources (ie: fossils): Description of resource: Description of impact on heritage resource:
<input type="checkbox"/>	Graves and burial grounds (eg: ancestral graves, graves of victims of conflict, historical graves & cemeteries): Description of Resource: Description of Impact on Heritage Resource:
<input type="checkbox"/>	Other human remains: Description of resource: Description of impact on heritage resource:
<input type="checkbox"/>	Sites of significance relating to the history of slavery in South Africa: Description of resource: Description of impact on heritage resource:
<input type="checkbox"/>	Other heritage resources: Description of resource: Description of impact on heritage resource:

Describe elements in the environs of the site that could be deemed to be heritage resources: Section 38 of the National Heritage Resources Act, 1999 (Act No. 25 of 1999), is applicable to the proposed development entails the developemnt of a pipeline that exceeds 300m in length. The development will not impact on any national estate as referred to in section 3(2) or the National Heritage Resources Act, 1999 or impact on any building or structure older than 60 years in any way.
Description of impacts on heritage resources in the environs of the site: As above.

Summary of anticipated impacts on heritage resources: None anticipated.

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 Lauren Abrahams

Capacity Environmental Assessment Practitioner

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.	<p>Name of individual: Name of Practice: Area of specialisation:</p> <p>Qualifications:</p> <p>Experience:</p> <p>Standing in heritage resource management:</p> <p>E-mail Address: Telephone: Cell:</p>
2.	<p>Name of individual: Name of Practice: Area of specialisation:</p> <p>Qualifications:</p> <p>Experience:</p> <p>Standing in heritage resource management:</p> <p>E-mail Address: Telephone: Cell:</p>
3.	<p>Name of individual: Name of Practice: Area of specialisation:</p> <p>Qualifications:</p> <p>Experience:</p> <p>Standing in heritage resource management:</p> <p>E-mail Address: Telephone: Cell:</p>
4.	<p>Name of individual: Name of Practice: Area of specialisation:</p> <p>Qualifications:</p> <p>Experience:</p> <p>Standing in heritage resource management:</p> <p>E-mail Address: Telephone: Cell:</p>

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: Lauren Abrahams Name of Practice: Eco Impact Legal Consulting (Pty) Ltd Area of specialisation: Candidate Natural Scientist, Environmental Assessment Practitioner			
E-mail Address: lauren @ecoimpact.co.za Telephone: 0216711660 Cell: 0662109892			
Postal Address: PO Box 45070, Claremont, 7735			

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 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.	

Locality Map



Scale: 1:288 895

Date created: August 25, 2017



Biodiversity Map



Legend

- Servitude Area
- BSP ESA: Restore**
 - ESA2: Restore from plantation or high density IAP
 - ESA2: Restore from other land use
 - ESA2: Restore where appropriate (CT)
- BSP ESA**
 - ESA: Aquatic
 - ESA: Terrestrial
- BSP CBA: Degraded**
 - CBA2: Aquatic
 - CBA2: Terrestrial
- BSP CBA**
 - CBA: Terrestrial
 - CBA: Terrestrial (CT)
 - CBA: Forest
 - CBA: River
 - CBA: Estuary
 - CBA: Wetland
 - CBA: Aquatic (CT)

Scale: 1:36 112

Date created: August 21, 2017



Western Cape Government

Agriculture

Site Photographs:



Photograph 1: Starting point - Loading arm area.



Photograph 2: Pipeline route on the jetty caisson 1 - 20.



Photograph 3: Servitude between the jetty and the Tank Farm.



Photograph 4: Servitude between the jetty and the Tank Farm.



Photograph 5: Tank Farm - the pipelines end point.



Payment receipt

Beneficiary nameHERITAGE WC

Account number1452048924

BankNEDBANK

BranchCORPORATE CLIENT SERVICES CT (14520900)

Beneficiary reference18031540

Your referenceSFF

Payment date16 March 2018

Amount

R 330.00

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