



forestry, fisheries & the environment

Department:
Forestry, Fisheries and the Environment
REPUBLIC OF SOUTH AFRICA

Private Bag X 447· PRETORIA ·0001· Environment House ·473 Steve Biko Road, Arcadia· PRETORIA

DFFE Reference: 14/12/16/3/3/2/2006

Enquiries: Ms Thabile Sangweni

Telephone: (012) 399 9409 **E-mail:** TSangweni@environment.gov.za

Mr Mehmet Katmer
Karpowership SA (Pty) Ltd
PO Box 619
PRETORIA
001

Telephone Number: +90 212 295 47 37 - 121
Email Address: Mehmet.Katmer@karpowership.com

PER E-MAIL / MAIL

Dear Mr Katmer

APPLICATION FOR ENVIRONMENTAL AUTHORISATION IN TERMS OF THE NATIONAL ENVIRONMENTAL MANAGEMENT ACT, ACT NO. 107 OF 1998, AS AMENDED: FOR THE GAS TO POWER VIA POWERSHIP PROJECT AT PORT OF SALDANHA WITHIN THE SALDANHA BAY LOCAL MUNICIPALITY IN THE WESTERN CAPE PROVINCE

With reference to the above application, please be advised that the Competent Authority has decided to refuse the application for Environmental Authorisation. The reasons for this refusal are contained in the Record of Refusal, of which a copy is attached hereto.

In terms of Regulation 4(2) of the Environmental Impact Assessment Regulations, 2014, as amended (the EIA Regulations), you are instructed to notify all registered interested and affected parties, in writing and within fourteen (14) days of the date of the Record of Refusal, of the Competent Authority's decision as well as the provisions regarding the submission of appeals that are contained in the EIA Regulations.

In terms of the Promotion of Administrative Justice Act, 2000 (Act No 3 of 2000), you are entitled to the right to fair, lawful and reasonable administrative action; and to written reasons for administrative action that affects you negatively. Further your attention is drawn to the provisions of the Protection of Personal Information Act, 2013 (Act no. 4 of 2013) which stipulates that the Competent Authority should conduct itself in a responsible manner when collecting, processing, storing and sharing an individual or another entity's personal information by holding the Competent Authority accountable should the Competent Authority abuses or compromises your personal information in any way.

Your attention is drawn to Chapter 2 of the National Environmental Management Act, 1998 (Act No. 107 of 1998) National Appeal Regulations published under Government Notice R993 in Government Gazette No. 38303 dated 08 December 2014 (National Appeal Regulations, 2014), which prescribe the appeal procedure to be followed. Kindly include a copy of this document (National Appeal Regulations, 2014) with the letter of notification to interested and affected parties in this matter.

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Should any person wish to lodge an appeal against this decision, he/she must submit the appeal to the appeal administrator, and a copy of the appeal to the applicant, any registered interested and affected party, and any organ of state with interest in the matter within 20 days from the date that the notification of the decision was sent to the registered interested and affected parties by the applicant; or the date that the notification of the decision was sent to the applicant by the Competent Authority, whichever is applicable.

Appeals must be submitted in writing in the prescribed form to:

The Director: Appeals and Legal Review of this Department at the below mentioned addresses.

By email: appealsdirector@environment.gov.za;

By hand: Environment House
473 Steve Biko
Arcadia
Pretoria
0083; or

By post: Private Bag X447
Pretoria
0001

To obtain the prescribed appeal form and for guidance on the submission of appeals, please visit the Department's website at https://www.environment.gov.za/documents/forms#legal_authorisations or request a copy of the documents at appealsdirector@environment.gov.za.

Yours faithfully



Mr Sabelo Malaza
Chief Director: Integrated Environmental Authorisations
Department of Forestry, Fisheries and the Environment
Date: *23/06/2021*

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|-----|-----------------|-------------------------------|---|
| cc: | Ms Aletta Plomp | Triplo4 Sustainable Solutions | Email: hantie@triplo4.com |
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forestry, fisheries & the environment

Department:
Forestry, Fisheries and the Environment
REPUBLIC OF SOUTH AFRICA

Record of Refusal

In terms of Regulation 24(1)(b) of the Environmental Impact Assessment Regulations, 2014,
as amended

The Gas to Power via Powership Project at the Port of Saldanha within the Saldanha Bay Local
Municipality in the Western Cape Province

West Coast District Municipality

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| Application Register Number: | 14/12/16/3/3/2/2006 |
| Applicant: | Karpowership SA (Pty) Ltd |
| Location of activity: | Portion 2 of Farm Uyekraal 189 Remainder of the Farm 196, Malmesbury Registration Division Portion 8 of the Farm Pienaars Poort, No 197, Malmesbury Registration Division Portion 15 of the Farm Pienaars Poort No 197 Portion 14 of the Farm Pienaars Poort No 197 Portion 16 of the Farm Pienaars Poort No 197 Portion 2 of the Farm 1112 Remainder of Farm 1112 Remaining Extent of the Farm 1132 |

*Remaining Extent of the Farm 1139
Portion 1 of the Farm 1139 Malmesbury
Division
The Farm 1185 Malmesbury Registration
Division
Erf 11945 Saldanha
Portion 17 (a portion of portion 13) of the Farm
Yzervarkensrug 127
Remaining Extent of the Farm Yzervarkensrug
129
Remainder of Portion 3 of the Farm
Yzervarkensrug No 129 Malmesbury
Registration Division
Portion 7 of the Farm Yzervarkfontein 129
Saldanha Local Municipality
West Coast District Municipality
Western Cape Province*

Decision

The Competent Authority is satisfied, on the basis of information available to it that the applicant should not be authorised to undertake the activities specified below.

Details regarding the basis on which the Competent Authority reached this decision are set out in Annexure 1 to this Record of Refusal.

Activities refused

By virtue of the powers conferred on it by the National Environmental Management Act, Act No. 107 of 1998, as amended and the Environmental Impact Assessment Regulations, 2014, as amended, the Competent Authority hereby refuses the application for Environmental Authorisation to –

KARPOWERSHIP SA (PTY) LTD

with the following contact details –

Mr Mehmet Katmer

Karpowership SA (Pty) Ltd

PO Box 619

PRETORIA

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Telephone Number: +90 212 295 47 37 - 121

Cellphone Number: N/A

Email Address: Mehmet.Katmer@karpowership.com

not to undertake the following activities (hereafter referred to as "the activity"):

| Activity number | Activity description |
|---|---|
| <p><u>Listing Notice 1, Activity 11:</u></p> <p><i>"The development of facilities or infrastructure for the transmission and distribution of electricity-</i></p> <p><i>(i) outside urban areas or industrial complexes with a capacity of more than 33 but less than 275 kilovolts."</i></p> | <p>The power generated on the Powership will be converted by the on-board High Voltage substation (110 – 170 kV) and transmitted along a double circuit twin Chicadee conductor 132kV line. This line will interconnect the Powership to the National Grid utilising the existing Aurora- Saldanha Steel network via a new 132kV on shore switching station. Alternatively, the power that is generated is then converted by the on-board High Voltage substation (capacity of 110 – 170kV) and the electricity evacuated via a 132kV transmission line over a distance of approximately 7.5 km via a new 132kV switching station to the Eskom Blouwater Substation which feeds into the national grid. The transmission line corridor and switching station, located adjacent to existing infrastructure (transmission lines, railway lines and roads) associated with the adjacent industries, capacity falls below the threshold of 275kV.</p> |
| <p><u>Listing Notice 1, Activity 12:</u></p> <p><i>"The development of</i></p> <p><i>(ii) infrastructure or structures with a physical footprint of 100 square meters or more; where such development occurs</i></p> <p><i>(a) within a watercourse or</i></p> <p><i>(c) within 32 meters of a watercourse, measured from the edge of a watercourse."</i></p> | <p>Based on the proposed route of the transmission line, location of the proposed switching station and temporary stringing yard/laydown area for the gas pipeline installation, the development will not take place within a watercourse (wetland) and within 32m of a watercourse.</p> |

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| <p><u>Listing Notice 1, Activity 15:</u></p> <p><i>“The development of structures in the coastal public property where the development footprint is bigger than 50 square metres, excluding—</i></p> <p><i>(ii) activities listed in activity 14 in Listing Notice 2 of 2014, in which case that activity applies.”</i></p> | <p>Structures in the coastal public property exceeding 50 square meters include: gas pipeline, transmission line and the temporary stringing yard/ laydown area for the gas pipeline installation. The development of these structures and infrastructure within the coastal public property will occur within the Port of Saldanha, Transnet property and industrial properties. Activity 14 in Listing Notice 2 (2014), is applied for in terms of the gas pipeline and mooring structures and thus can be excluded from this activity.</p> |
| <p><u>Listing Notice 1, Activity 17:</u></p> <p><i>“Development—</i></p> <p><i>(ii) in an estuary;</i></p> <p><i>(v) if no development setback exists, within a distance of 100 metres inland of the high-water mark of the sea or an estuary, whichever is the greater;</i></p> <p><i>in respect of-</i></p> <p><i>(e) infrastructure or structures with a development footprint of 50 square metres or more —</i></p> <p><i>but excluding-</i></p> <p><i>(aa) the development of infrastructure and structures within existing ports or harbours that will not increase the development footprint of the port or harbour;</i></p> <p><i>(dd) where such development occurs within an urban area.”</i></p> | <p>The Powerships and FSRU are not being developed. The development footprint of the proposed towers for the transmission line, the switching station and the temporary stringing yard area for the gas pipeline installation will exceed 50 square meters.</p> |
| <p><u>Listing Notice 1, Activity 18:</u></p> <p><i>“The planting of vegetation or placing of any material on dunes or exposed sand surfaces of more than 10 square metres, within the littoral active zone, for the</i></p> | <p>Sections of the gas pipeline and transmission line, where it comes on shore, need to be stabilised to prevent erosion on the substrate where the pipeline and transmission line is established. Furthermore,</p> |

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| <p><i>purpose of preventing the free movement of sand, erosion or accretion."</i></p> | <p>rehabilitation for the land-based portion will be required. Although the area has already been transformed due to port activity, it will require the planting of vegetation on exposed sand surfaces of more than 10 square meters to ensure environmental management</p> |
| <p><u>Listing Notice 1, Activity 19:</u> <i>"The infilling or depositing of any material of more than 10m³ into, or the dredging, excavation, removal or moving of soil, sand, shells, shell grit, pebbles or rock from a watercourse."</i></p> | <p>The proposed transmission and onshore gas pipeline routes do not occur within a watercourse as confirmed by the Wetland Specialist.</p> |
| <p><u>Listing Notice 1, Activity 19A:</u> <i>"The infilling or depositing of any material of more than 5 cubic metres into, or the dredging, excavation, removal or moving of soil, sand, shells, shell grit, pebbles or rock of more than 5 cubic metres from—</i> <i>(i) the seashore;</i> <i>(ii) the littoral active zone, an estuary or a distance of 100 metres inland of the high-water mark of the sea or an estuary, whichever distance is the greater; or</i> <i>(iii) the sea</i> <i>but excluding where such infilling, depositing, dredging, excavation, removal or moving—</i> <i>(e) will occur behind a development setback;</i> <i>(f) is for maintenance purposes undertaken in accordance with a maintenance management plan;</i> <i>(g) falls within the ambit of activity 21 in this Notice, in which case that activity applies;</i> <i>(h) occurs within existing ports or harbours that will not increase the development footprint of the port or harbour; or</i></p> | <p>The Powership mooring system, the gas pipeline, the erection of the towers for the transmission line, and the temporary laydown area for the gas pipeline installation will require the removal of more than 5 cubic metres of sand, within 100 metres inland of the high-water mark. Installation of the subsea as well as land based portions of the gas pipeline and laydown areas will require excavation, levelling infilling and compaction.</p> |

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| <p><i>where such development is related to the development of a port or harbour, in which case activity 26 in Listing Notice 2 of 2014 applies."</i></p> | |
| <p><u>Listing Notice 1, Activity 27:</u> <i>"The clearance of an area of 1 hectare or more, but less than 20 hectares of indigenous vegetation, except where such clearance of indigenous vegetation is required for-</i> <i>(i) the undertaking of a linear activity; or maintenance purposes undertaken in accordance with a maintenance management plan.</i></p> | <p>The transmission line, its servitude and the associated switching station (1.3 Ha) will require clearance of more than 1 hectares of indigenous vegetation.</p> |
| <p><u>Listing Notice 2, Activity 2:</u> <i>"The development and related operation of facilities or infrastructure for the generation of electricity from a non-renewable resource where the electricity output is 20 megawatts or more."</i></p> | <p>The Powership and FSRU are assembled off-site and will be delivered fully equipped and ready to operate to the Port of Saldanha Bay where they will be moored. The proposed design capacity for the Saldanha Bay Powership is approximately 415MW, which comprises of 21 gas reciprocating engines having a heat input of approximately 18.32 MW each. The 2 steam turbines have a heat input of approximately 15.45 MW each. The gas pipeline from the FSRU to the Powership and the transmission line linking the Powership to the national grid trigger separately listed activities as does the need for an AEL which if issued, will regulate the atmospheric emissions during commissioning and operation of the project.</p> |
| <p><u>Listing Notice 2, Activity 4:</u> <i>"The development and related operation of facilities or infrastructure, for the storage, or storage and handling of a dangerous good, where such storage</i></p> | <p>Storage of LNG on the FSRU will exceed 500 cubic meters (maximum estimated storage is 175000 cubic meters at any given time).</p> |

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| <p><i>occurs in containers with a combined capacity of more than 500 cubic metres."</i></p> | |
| <p><u>Listing Notice 2, Activity 6:</u> <i>"The development of facilities or infrastructure for any process or activity which requires a permit or licence or an amended permit or licence in terms of national or provincial legislation governing the generation or release of emissions, pollution or effluent, excluding—</i></p> <ul style="list-style-type: none"> <i>(i) activities which are identified and included in Listing Notice 1 of 2014;</i> <i>(ii) activities which are included in the list of waste management activities published in terms of section 19 of the National Environmental Management: Waste Act, 2008 (Act No. 59 of 2008) in which case the National Environmental Management: Waste Act, 2008 applies."</i> | <p>The engines used for electricity generation are a Listed Activity under GN 893 of 22 November 2013 (as amended) in terms of Section 21 of the NEM: AQA Sub-Category 1.5: Reciprocating Engines. In the case of the proposed project, the Powership will have a combined sum of 21 engines that all have a heat input capacity of more than 10 MW each. The two steam turbines have a heat input capacity of less than 50 MW, but more than 10 MW. These units are therefore declared Controlled Emitters and will likely be regulated in terms of GN 831 of 1 November 2013 for Small Boilers.</p> |
| <p><u>Listing Notice 2, Activity 7:</u> <i>"The development and related operation of facilities or infrastructure for the bulk transportation of dangerous goods—</i></p> <ul style="list-style-type: none"> <i>(i) in gas form, outside an industrial complex, using pipelines, exceeding 1 000 metres in length, with a throughput capacity of more than 700 tons per day;</i> <i>(ii) in liquid form, outside an industrial complex, using pipelines, exceeding 1 000 metres in length, with a throughput capacity of more than 50 cubic metres per day; or</i> <i>(iii) in solid form, outside an industrial complex, using funiculars or conveyors with a throughput capacity of more than 50 tons per day."</i> | <p>A subsea gas pipeline for transportation of gas in gas form is proposed, exceeding 1000 meters. As this activity is within the Port boundaries, Transnet property and industrial property.</p> |

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| <p><u>Listing Notice 2, Activity 14:</u></p> <p><i>"The development and related operation of—</i></p> <ul style="list-style-type: none"><i>(ii) an anchored platform; or</i><i>(iii) any other structure or infrastructure — on, below or along the sea bed;</i> <p><i>excluding —</i></p> <ul style="list-style-type: none"><i>(a) development of facilities, infrastructure or structures for aquaculture purposes; or</i><i>(b) the development of temporary structures or infrastructure where such structures will be removed within 6 weeks of the commencement of development and where coral or indigenous vegetation will not be cleared."</i> | <p>The ships will be anchored and moored in existing port operational areas utilising the vessel's anchoring system. The transmission of the NG gas will flow via a gas pipeline from the moored ship along the seabed to the main ship for processing. The subsea gas pipeline is proposed to be installed along the toe of the existing dredged slopes between the floating storage regasification unit (FSRU) and Powership to ensure gas supply for power generation.</p> |
| <p><u>Listing Notice 3, Activity 10:</u></p> <p><i>"The development and related operation of facilities or infrastructure for the storage, or storage and handling of a dangerous good, where such storage occurs in containers with a combined capacity of 30 but not exceeding 80 cubic metres</i></p> <ul style="list-style-type: none"><i>i. Western Cape</i><i>i. Areas zoned for use as a public open space or equivalent zoning;</i><i>iii. Inside urban areas:</i><ul style="list-style-type: none"><i>(aa) Areas seawards of the development setback line or within 200 metres from the high-water mark of the sea if no such development setback line is determined;</i><i>(bb) Areas on the watercourse side of the development setback line or within 100 metres from the edge of a watercourse where no such setback line has been determined;</i> <p><i>or</i></p> | <p>The storage and handling of a dangerous good, where such storage occurs in containers with a combined capacity of more than 500 cubic metres. The FSRU with a storage capacity not exceeding 175000 cubic meters of LNG, is located approximately 3.8km from the shore on the Big Bay side.</p> |

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| <p><i>(cc) Areas on the estuary side of the development setback line or in an estuarine functional zone where no such setback line has been determined."</i></p> | |
| <p><u>Listing Notice 3, Activity 12:</u> <i>"The clearance of an area of 300 square metres or more of indigenous vegetation except where such clearance of indigenous vegetation is required for maintenance purposes undertaken in accordance with a maintenance management plan</i></p> <ul style="list-style-type: none"> <i>i. Western Cape</i> <i>iii. Within the littoral active zone or 100 metres inland from the high water mark of the sea, whichever distance is the greater, excluding where such removal will occur behind the development setback line on erven in urban areas."</i> | <p>This activity will be triggered by the transmission line and its servitude, the switching station and temporary stringing yard/laydown area infrastructure will cumulatively require clearance of more than 300 square meters of indigenous vegetation.</p> |
| <p><u>Listing Notice 3, Activity 14:</u> <i>"The development of—</i></p> <ul style="list-style-type: none"> <i>(i) dams or weirs, where the dam or weir, including infrastructure and water surface area exceeds 10 square metres; or</i> <i>(ii) infrastructure or structures with a physical footprint of 10 square metres or more;</i> <p><i>where such development occurs—</i></p> <ul style="list-style-type: none"> <i>(a) within a watercourse;</i> <i>(b) in front of a development setback; or</i> <i>(c) if no development setback has been adopted, within 32 metres of a watercourse, measured from the edge of a watercourse;</i> <p><i>excluding the development of infrastructure or structures within existing ports or harbours that will</i></p> | <p>Although infrastructure or structures with a footprint of more than 10 square meters will be developed within the Port and beyond, none of these occurs:</p> <ul style="list-style-type: none"> • within a watercourse; • in front of a development setback; or • if no development setback has been adopted, within 32 metres of a watercourse, measured from the edge of a watercourse. |

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| <p><i>not increase the development footprint of the port or harbour</i></p> <p><i>Western Cape</i></p> <p><i>i. Outside urban areas:</i></p> <p><i>(aa) A protected area identified in terms of NEMPAA, excluding conservancies; (bb) National Protected Area Expansion Strategy Focus areas;</i></p> <p><i>(cc) World Heritage Sites;</i></p> <p><i>(dd) Sensitive areas as identified in an environmental management framework as contemplated in chapter 5 of the Act and as adopted by the competent authority;</i></p> <p><i>(ee) Sites or areas identified in terms of an international convention;</i></p> <p><i>(ff) Critical biodiversity areas or ecosystem service areas as identified in systematic biodiversity plans adopted by the competent authority or in bioregional plans;</i></p> <p><i>(gg) Core areas in biosphere reserves; (hh) Areas on the estuary side of the development setback line or in an estuarine functional zone where no such setback line has been determined."</i></p> | |
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as described in the Environmental Impact Assessment (EIAr) dated April 2021:

21 Digit SG Codes

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| C | 0 | 4 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 8 | 9 | 0 | 0 | 0 | 0 | 0 |
| C | 0 | 4 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 9 | 6 | 0 | 0 | 0 | 0 | 0 |
| C | 0 | 4 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 9 | 7 | 0 | 0 | 0 | 0 | 8 |
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| C | 0 | 4 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 3 | 2 | 0 | 0 | 0 | 0 | 0 |
| C | 0 | 4 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 3 | 9 | 0 | 0 | 0 | 0 | 0 |
| C | 0 | 4 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 3 | 9 | 0 | 0 | 0 | 0 | 1 |
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| C | 0 | 4 | 6 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 9 | 5 | 0 | 0 | 0 | 0 |
| C | 0 | 4 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 7 | 0 | 0 | 0 | 0 | 0 |
| C | 0 | 4 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 9 | 0 | 0 | 0 | 0 | 0 |
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| C | 0 | 4 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 9 | 0 | 0 | 0 | 0 | 7 |

- for the 415MW Gas to Power Powership Project at the Port of Saldanha within the Saldanha Bay Local Municipality in the Western Cape Province, hereafter referred to as "the property".

The proposed Gas to Power Powership Project will entail the following:

- Two floating mobile Powerships and Floating Storage Regasification Unit (FSRU);
- Berthing and mooring of the Powerships and FSRU;
- Transmission lines;
- Gas pipelines;
- Water requirements;
- Handling and storage of hazardous goods; and
- Waste management

Technical details of the proposed facility:

| Component | Description/ Dimensions |
|-----------------------|---|
| Location of the site | Port of Saldanha Bay |
| Export capacity | ~415MW |
| Preferred Site access | The proposed location of the project is situated within the existing and operational Port of Saldanha, therefore the existing access roads network will be used to access the Powership site. |

Legislative Requirements

Refusal of the application

1. The application for Environmental Authorisation is refused for the 415MW Gas to Power Powership Project at the Port of Saldanha within the Saldanha Bay Local Municipality in the Western Cape Province as described above.

Notification of refusal and right to appeal

2. The applicant must notify every registered interested and affected party, of the Competent Authority's decision, in writing and within 14 (fourteen) calendar days of the date of this record of refusal.
3. The notification referred to must –
 - 3.1. specify the date on which the record of refusal was issued;
 - 3.2. inform the interested and affected party of the appeal procedure provided for in the National Appeal Regulations, 2014;
 - 3.3. advise the interested and affected party that a copy of the record of refusal will be furnished on request; and,
 - 3.4. give the reasons of the Competent Authority for the decision.

Date of refusal of the application for Environmental Authorisation: 23/06/2021



Mr Sabelo Malaza

Chief Director, Integrated Environmental Authorisations

Department of Forestry, Fisheries and the Environment

Annexure 1: Reasons for Decision

1. Information considered in making the decision

In reaching its decision, the Competent Authority took, *inter alia*, the following into consideration -

- a) The listed activities as applied for in the application form received on 05 October 2020.
- b) The information contained in the Scoping Report (SR) received on 17 November 2020 and the EIAr dated April 2021.
- c) The comments and inputs received from the interested and affected parties (I&AP's) including various Organs of State, *inter alia*: West Coast District Municipality, the Saldanha Bay Local Municipality, Eskom, Birdlife SA, Heritage Western Cape, Department of Water and Sanitation, the Department of Forestry, Fisheries & the Environment: Biodiversity and Conservation, Oceans and Coast and Air Quality, the Western Cape Department of Environmental Affairs and Development Planning, SAHRA, Transnet as included in the EIAr dated April 2021.
- d) The information contained in the specialist studies contained within the appendices of the EIAr dated April 2021 and as appears below:

| Title | Prepared by | Date |
|--|--|---------------|
| Wetland Delineation and Functionality | Triplo4 | February 2021 |
| Terrestrial Ecological Assessment | Ms Leigh Anne De Wet | April 2021 |
| Archaeological Impact Assessment | ACRM | October 2020 |
| Estuarine and Coastal Assessment | Groundtruth & Coastwise Consulting | April 2021 |
| Climate Change Impact Assessment | Themis Environmental Peer Reviewed by: Luke Richard Moore | April 2021 |
| Geohydrological, Hydrology & Hydropedology Assessments | GCS Water & Environmental Consultants | April 2021 |
| Aquatic Impact Assessment | GCS Water & Environmental Consultants | April 2021 |
| Major Hazardous Installations (Risk Assessment) | Major Hazard Risk Consultants | February 2021 |
| Marine Ecology Assessment | Lwandle Marine Environmental Services | April 2021 |
| Air Quality Impact Assessment | uMoya-Nilu Consulting | April 2021 |
| Socio Economic Impact Assessment | Urban-Econ Development Economists | April 2021 |
| Noise Impact Assessment | Safetech | October 2020 |
| Avifauna Impact Assessment | Birds and Bats Unlimited | February 2021 |
| Landscape & Visual Impact Assessment | Environmental Planning and Design | April 2021 |
| Underwater Archaeological Impact Assessment | Vanessa Maitland | March 2021 |

- e) The objectives and requirements of relevant legislation, policies and guidelines, including section 2 of the National Environmental Management Act, 1998 (Act 107 of 1998).

2. Key factors considered in making the decision

All information presented to the Competent Authority was taken into account in the Competent Authority's consideration of the application. A summary of the issues which, in the Competent Authority's view, were of the most significance is set out below:

- a) The information contained in the application form, the SR received on 18 November 2020 and the EIAr dated April 2021.
- b) The information contained in the specialist studies as contained as Appendix I of the EIAr.
- c) The comments received by various I&APs and the responses thereto as contained in Appendix D of the EIAr.
- d) The comments by the Chief Directorate: Integrated Environmental Authorisation on the draft SR, the acceptance of the SR and the draft EIAr dated 02 November 2020, 06 January 2021 and 11 March 2021, respectively.

3. Findings

After consideration of the information and factors listed above, the Competent Authority made the following findings -

- a) The Environmental Impact Assessment Process was compromised as the applicant failed to comply with the requirements prescribed in terms of Section 24(1A)(c) of the NEMA in relation to any procedure relating to public consultation and information gathering. The draft EIAr was subjected to public review for a period less than the legislated 30 days as indicated by I&AP's. The documents were removed from the website, and were only returned after queries were raised by various I&AP's.
- b) The EAP failed to enlist the provision of Regulation 23(1)(b) of the EIA Regulations, 2014 as amended, as the EIAr dated April 2021 contains significant changes and/or significant new information which was not contained in the reports consulted on during the public participation process before it was submitted to the Competent Authority for decision making. This then compromises the decision making powers of the Competent Authority as information was not presented to I&AP's for their consideration, prior to decision making.

- c) The Public Participation Process was not conducted in terms of Regulation 39, 40, 41, 42, 43 & 44 of the EIA Regulations, 2014, as amended as well as per the principles of NEMA as outlined in Chapter 2 of the Act.
- d) The Competent Authority advised the EAP on a number of occasions, i.e. comments on the draft Scoping Report, acceptance of the Scoping Report and comments issued on the draft Environmental Impact Assessment Report that the EAP must ensure that all relevant listed and specified activities are applied for, are specific and can be linked to the development activity or infrastructure as described in the project description, and that a final list of all applicable listed activities must be clearly identified and provided. However, the final EIAR and amended application form both contain listed activities where the EAP indicated uncertainty in terms of their applicability and requirement for environmental authorisation. As such, the objectives of the Environmental Impact Assessment Process as outlined in Appendix 3 of the EIA Regulations, 2014 as amended were not fulfilled and the Competent Authority was unable to make an informed decision on the on the potential impacts of the listed or specified activities on the receiving environment.
- e) Furthermore, this Competent Authority was alerted by Saldehco (Pty) Ltd who holds a lease with the landowner Transnet SOC on Portions 15 and 16 of Farm Pienaars Poort No. 197 of Farm 19 that they were overlooked in the Public Participation Process. The Regulations states that the *"The person conducting a public participation process must notify the occupiers of the site and, if the proponent or applicant is not the owner or person in control of the site on which the activity is to be undertaken"*.
- f) The "Marine Ecology Specialist Study G2P Development, Port of Saldanha" dated April 2021 recommends that a noise modelling study should be undertaken to gain a more quantitative understanding of the noise produced from power ship operations in the Port of Saldanha and the cumulative impacts on the surrounding marine ecology. This is also echoed by the estuarine specialist. This study should have been conducted as part of the EIA process to fully understand the impacts of the proposed development.
- g) The conclusion of the SACNASP Peer Review of the Estuarine Impact Report dated 23 April 2021 as included as Appendix I of the EIAR dated April 2021 for the Gas to Power Powership Project at the Port of Richards Bay within the uMhlathuze Local Municipality in the KwaZulu-Natal Province project DFFE Reference: 14/12/16/3/3/2/2007 states "MER was requested by GroundTruth to review three draft specialist reports (dated February 2021) which focused on assessments of the environmental impacts of the Gas to Power developments proposed for the harbours of Richards Bay (Version 1 Draft Report), Coega (Version 1 Draft Report) and Saldanha Bay (Version 1 Draft Report) and states that impacts identified is not a true reflection of the scale of the project in terms of influence. There are impacts that trigger regional and global scale impacts and the specialists recommends that these be reassessed. In

addition the peer review states that there is also no clear recommendation from the estuarine specialist. It must be noted that this peer review report has been omitted from the abovementioned application. This should have been reassessed and finalised by the EAP prior to submission of the report for decision making.

- h) Most of the specialists indicated limitations to their respective studies; amongst, others that they either had very limited time to apply their minds, or it does not apply to the standards of undertaking the assessments and that these studies were undertaken in the wrong season. These limitations were highlighted in the comments raised by various I&AP's as well as in the comments issued by the Chief Directorate: Integrated Environmental Authorisations. The gaps and limitations identified in the respective assessments; raises concerns with regard to the adequacy of the assessment and the validity of the findings. The studies should have been updated and amended prior to submission for decision making.
- i) As a result of the significant gaps and limitations with the assessments conducted, the Competent Authority cannot fully understand the potential impacts of the proposed development and thus not able to make an informed decision. As such, the objectives of the Environmental Impact Assessment Process as outlined in Appendix 3 of the EIA Regulations, 2014 as amended cannot be met.
- j) The EIAR in its current form is not adequate to make an informed decision on the abovementioned application.

In view of the above, the Competent Authority is of the following opinion:

- i. The minimum requirements, specifically with regard to public participation, were not met. The purpose of public participation is not only to promote informed decision making, but also to promote the legitimacy and acceptance of an outcome or decision and to promote participatory democracy.
- ii. The actual and potential impacts on the environment as well as socio-economic conditions could not be properly evaluated (particularly insofar as small-scale fisheries are concerned), especially because of the lack of a proper underwater noise impact study and the contradictory information that was made available.
- iii. The effects of activities on the environment could not receive adequate consideration because one of the major impacts, underwater noise generation, was not fully investigated nor were discrepancies and contradictions between specialist studies clarified by the Environmental Assessment Practitioner.

- iv. Under his circumstances it is not possible to make a determination with regard to the significance of potential impacts or consequences for the environment, the effectiveness of potential mitigation measures or whether the project under consideration will constitute a sustainable development.

Consequently there is no sufficient, adequate and reliable basis upon which the statutory discretion of the Competent Authority can be exercised in favour of the applicant and therefore the application for Environmental Authorisation is refused.