



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: 14/12/16/3/3/2/2014

Enquiries: Ms Thabile Sangweni

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

Ms Mary Webbstock
Frontier Power SA (Pty) Ltd
PO Box 23101
CLAREMONT
7735

Telephone Number: (021) 670 1423
Email Address: stephnie.kot@aced.co.za

PER EMAIL / MAIL

Dear Ms Webbstock

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

With reference to the above application, please be advised that the Department has decided to grant authorisation. The Environmental Authorisation (EA) and reasons for the decision are attached herewith.

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 decision, of the Department's decision as well as the provisions regarding the submission of appeals that are contained in the Regulations.

In terms of the Promotion of Administrative Justice Act, 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, Act No. 4 of 2013 which stipulates that the Department should conduct itself in a responsible manner when collecting, processing, storing and sharing an individual or another entity's personal information by holding the Department accountable should the Department abuses or compromises your personal information in any way.

Your attention is drawn to Chapter 2 of the National Environmental Management Act, 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.

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 Department, 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: appeals@environment.gov.za;

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

By post: Private Bag X447
Pretoria
0001

Please note that in terms of Section 43(7) of the National Environmental Management Act, Act No. 107 of 1998, as amended, the lodging of an appeal will suspend the environmental authorisation or any provision or condition attached thereto. In the instance where an appeal is lodged, you may not commence with the activity until such time that the appeal is finalised.

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 appeals@environment.gov.za.

Yours faithfully



Mr Sabelo Malaza
Chief Director: Integrated Environmental Authorisations
Department of Forestry, Fisheries and the Environment

Date: 05/07/2021

cc:	Stephanie Gopaul	Environmental Resource Management Southern Africa (Pty) Ltd	E-mail: stephanie.gopaul@erm.com
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MS



forestry, fisheries & the environment

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

Environmental Authorisation

In terms of Regulation 25 of the Environmental Impact Assessment Regulations, 2014, as amended

The gas to power facility in Saldanha within the Saldanha Bay Local Municipality in the
Western Cape Province

West Coast District Municipality

Authorisation register number:	<i>14/12/16/3/3/2/2014</i>
Last amended:	<i>First issue</i>
Holder of authorisation:	<i>Frontier Power SA (Pty) Ltd</i>
Location of activity:	<i>Farm 1238 (renamed as Erf 16001); Portion 65 (a portion of Portion 13) of Yzervarkensrug No 127; Farm 1237 (now Erf 16000); Remainder of Portion 2 of Farm Yzervarkensrug No 129; Saldanha Local Municipality; West Coast District Municipality Western Cape Province</i>

This authorisation does not negate the holder of the authorisation's responsibility to comply with any other statutory requirements that may be applicable to the undertaking of the activity.

Decision

The Department is satisfied, on the basis of information available to it and subject to compliance with the conditions of this Environmental Authorisation, that the applicant should be authorised to undertake the activities specified below.

Non-compliance with a condition of this Environmental Authorisation may result in criminal prosecution or other actions provided for in the National Environmental Management Act, Act No. 107 of 1998, as amended and the EIA Regulations, 2014, as amended.

Details regarding the basis on which the Department reached this decision are set out in Annexure 3.

Activities authorised

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 Department hereby authorises –

FRONTIER POWER SA (PTY) LTD

(hereafter referred to as the **holder of the authorisation**)

with the following contact details –

Ms Mary Webbstock
Frontier Power SA (Pty) Ltd
PO Box 23101
CLAREMONT
7735

Telephone Number: (021) 670 1423
Cell phone Number: 083 318 3982
Fax Number: N/A
Email Address: stephnie.kot@aced.co.za

to undertake the following activities (hereafter referred to as “the activity”) indicated in Listing Notice 1, Listing Notice 2 and Listing Notice 3 of the EIA Regulations, 2014 as amended:

Activity number	Activity description
<p><u>Listing Notice 1, Item 26:</u> <i>“Residential, retail, recreational, tourism, commercial or institutional developments of 1,000 square metres or more, on land previously used for mining or heavy industrial Purposes.”</i></p>	<p>The proposed power plant is considered to be a commercial development, as the development will sell electricity to Eskom.</p>
<p><u>Listing Notice 1, Item 27:</u> <i>“The clearance of an area of 1 hectares or more, but less than 20 hectares of indigenous vegetation.”</i></p>	<p>Approximately 9.5ha will be cleared to accommodate the facility, with an extra 6ha to be cleared to be used as the laydown area during construction. The site is a historical quarry, however limited indigenous vegetation may be present on site. Although limited, the indigenous vegetation on site covers in excess of 1ha of land.</p>
<p><u>Listing Notice 2, Item 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 proposed LPG Power Plant will consist of the construction and operation of an approximately (export capacity no greater than) 315MW gas-fired power plant. The power plant will be fuelled by LPG and will utilise reciprocating gas engine technology. LNG may be utilised in future.</p>
<p><u>Listing Notice 2, Item 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 occurs in containers with a combined capacity of more than 500m³.”</i></p>	<p>The development of tanks for the storage of LPG, oil (new and used), lubricants, wash water and other dangerous goods required for use during construction and operation activities. The total</p>

	combined capacity of all storage tanks is estimated as 12000m ³ .
<p><u>Listing Notice 2, Item 6:</u></p> <p><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 the national or provincial legislation governing the generation or release of emissions, pollution or effluent."</i></p>	Development of a <i>circa</i> (export capacity no greater than) 315MW gas-fired power plant which will require an AEL for the release of atmospheric emissions related to the use of natural gas in the power generation process.
<p><u>Listing Notice 3, Item 2:</u></p> <p><i>"The development of reservoirs, excluding dams, with a capacity of more than 250 cubic metres.</i></p> <p><i>i. In the Western Cape</i></p> <p><i>ii. In areas containing indigenous vegetation."</i></p>	Water storage facilities for the storage of up to 2,000m ³ of raw water (for firefighting purposes) will be developed on site.
<p><u>Listing Notice 3, Item 4:</u></p> <p><i>"The development of a road wider than 4 metres with a reserve less than 13, 5 metres.</i></p> <p><i>i. Western Cape:</i></p> <p><i>ii. Areas outside urban areas;</i></p> <p><i>(aa) Areas containing indigenous vegetation."</i></p>	A short section of new access road (up to 8m wide and 200m long) will be developed from the shared entrance to the facility. Existing access roads on the site may be upgraded, extended or rerouted, but will not exceed 8m in width.
<p><u>Listing Notice 3, Item 12:</u></p> <p><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> <p><i>i. Western Cape:</i></p> <p><i>ii. Within critical biodiversity areas identified in bioregional plans."</i></p>	Approximately 9.5ha will be cleared to accommodate the facility, with an extra 6ha to be cleared to be used as the laydown area during construction. The site is a historical quarry, however limited indigenous vegetation may be present on site. According to the Saldanha Bay Biodiversity Sector Plan, there may be limited pockets of CBA on the site.

as described in the Environmental Impact Assessment Report dated March 2021 at:

21 Digit SG Code

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

- for the gas to power facility in Saldanha within the Saldanha Bay Local Municipality in the Western Cape Province, hereafter referred to as "the property".

The development will comprise the following:

- Power houses: up to 7,000m²;
- Facility Substation: circa 7,500m²;
- Other buildings: circa 1,500m²;
- Oil and sludge storage tanks: circa 300m²;
- LPG storage tank and vaporizers: circa 12,000m²;
- Raw water storage for firefighting (volume up to 2,000m³);
- Ancillary facilities, including internal roads, parking and paved/gravelled areas make up the remainder of the footprint;
- The proposed access road to the facility (up to 8m wide and 200m long) within the footprint of the facility and on the Remainder of Portion 2 of the Farm Yzervarkensrug No 129;
- Internal site roads (not exceeding 8m in width), parking areas and paved/gravelled areas;
- Gas supply pipeline (less than 1,000m) from the adjacent Sunrise Energy LQP Storage Facility; and
- Temporary laydown area/s (up to 6ha) on Farm 1238, 1237 and Portion 65 of Farm Yzervarkensrug, during construction.

Facilities for the storage of dangerous goods will be provided on site, including but not limited to:

- LPG Storage Tank (up to 10,000m³);
- Clean Lubricant Oil Tank;
- Used Oil Tank; and
- Sludge Tank (for used oil, oily water, wash water, etc.).

Conditions of this Environmental Authorisation

Scope of authorisation

1. The gas to power facility in Saldanha within the Saldanha Bay Local Municipality in the Western Cape Province, as described above is hereby approved.
2. Authorisation of the activity is subject to the conditions contained in this environmental authorisation, which form part of the environmental authorisation and are binding on the holder of the authorisation.
3. The holder of the authorisation is responsible for ensuring compliance with the conditions contained in this environmental authorisation. This includes any person acting on the holder's behalf, including but not limited to, an agent, servant, contractor, sub-contractor, employee, consultant or person rendering a service to the holder of the authorisation.
4. The activities authorised may only be carried out at the property as described above.
5. Any changes to, or deviations from, the project description set out in this environmental authorisation must be approved, in writing, by the Department before such changes or deviations may be effected. In assessing whether to grant such approval or not, the Department may request such information as it deems necessary to evaluate the significance and impacts of such changes or deviations and it may be necessary for the holder of the authorisation to apply for further environmental authorisation in terms of the regulations.
6. The holder of an environmental authorisation must apply for an amendment of the environmental authorisation with the competent authority for any alienation, transfer or change of ownership rights in the property on which the activity is to take place.
7. This activity must commence within a period of ten (10) years from the date of issue of this environmental authorisation. If commencement of the activity does not occur within that period, the authorisation lapses and a new application for environmental authorisation must be made in order for the activity to be undertaken.
8. Construction must be completed within five (5) years of the commencement of the activity on site.
9. Commencement with one activity listed in terms of this environmental authorisation constitutes commencement of all authorised activities.

Notification of authorisation and right to appeal

10. The holder of the authorisation must notify every registered interested and affected party, in writing and within 14 (fourteen) calendar days of the date of this Environmental Authorisation, of the decision to authorise the activity.
11. The notification referred to must –
 - 11.1. specify the date on which the authorisation was issued;
 - 11.2. inform the interested and affected party of the appeal procedure provided for in the National Appeal Regulations, 2014;
 - 11.3. advise the interested and affected party that a copy of the authorisation will be furnished on request; and
 - 11.4. give the reasons of the Competent Authority for the decision.

Commencement of the activity

12. The authorised activity shall not commence until the period for the submission of appeals has lapsed as per the National Appeal Regulations, 2014, and no appeal has been lodged against the decision. In terms of Section 43(7), an appeal under Section 43 of the National Environmental Management Act, Act No. 107 of 1998, as amended will suspend the Environmental Authorisation or any provision or condition attached thereto. In the instance where an appeal is lodged you may not commence with the activity until such time that the appeal has been finalised.

Management of the activity

13. A copy of the final site layout map must be made available for comments by registered Interested and Affected Parties and the holder of this environmental authorisation must consider such comments. Once amended, the final development layout map must be submitted to the Department for written approval prior to commencement of the activity. All available biodiversity information must be used in the finalisation of the layout map. Existing infrastructure must be used as far as possible e.g. roads. The layout map must indicate the following:
 - 13.1. The proposed development footprint with associated infrastructure;
 - 13.2. All supporting onsite infrastructure e.g. roads (existing and proposed);
 - 13.3. The location of sensitive environmental features on site e.g. CBAs, heritage sites, wetlands, drainage lines etc. that will be affected;

- 13.4. Buffer areas; and,
- 13.5. All "no-go" areas.
- 13.6. The above map must be overlain with a sensitivity map and a cumulative map which shows neighbouring renewable energy developments and existing grid infrastructure.
14. The Environmental Management Programme (EMPr) submitted as part of the EIAr dated March 2021 is not approved and must be amended to include measures as dictated by the final site lay-out map and micro-siting, and the provisions of this environmental authorisation. The EMPr must be made available for comments by registered Interested and Affected Parties and the holder of this environmental authorisation must consider such comments. Once amended, the final EMPr must be submitted to the Department for written approval prior to commencement of the activity.
15. Once approved, the EMPr must be implemented and adhered to. It shall be seen as a dynamic document and shall be included in all contract documentation when approved.
16. Changes to the approved EMPr must be submitted in accordance with the EIA Regulations applicable at the time.
17. The Department reserves the right to amend the approved EMPr should any impacts that were not anticipated or covered in the EIAr be discovered.

Frequency and process of updating the EMPr

18. The EMPr must be updated where the findings of the environmental audit reports, contemplated in Condition 29 below, indicate insufficient mitigation of environmental impacts associated with the undertaking of the activity, or insufficient levels of compliance with the environmental authorisation or EMPr.
19. The updated EMPr must contain recommendations to rectify the shortcomings identified in the environmental audit report.
20. The updated EMPr must be submitted to the Department for approval together with the environmental audit report, as per Regulation 34 of GN R. 982. The updated EMPr must have been subjected to a public participation process, which process has been agreed to by the Department, prior to submission of the updated EMPr to the Department for approval.
21. In assessing whether to grant approval of an EMPr which has been updated as a result of an audit, the Department will consider the processes prescribed in Regulation 35 of GN R.982 as amended. Prior to approving an amended EMPr, the Department may request such amendments to the EMPr as it deems appropriate to ensure that the EMPr sufficiently provides for avoidance, management and mitigation of environmental impacts associated with the undertaking of the activity.

22. The holder of the authorisation may apply for an amendment of an EMPr, if such amendment is required before an audit is required. The amendment process is prescribed in Regulation 37 of GN R.982, as amended. The holder of the authorisation must request comments on the proposed amendments to the impact management outcomes of the EMPr or amendments to the closure objectives of the closure plan from potentially interested and affected parties, including the competent authority, by using any of the methods provided for in the Act for a period of at least 30 days.

Monitoring

23. The holder of the authorisation must appoint an experienced Environmental Control Officer (ECO) for the construction phase of the development that will have the responsibility to ensure that the mitigation/rehabilitation measures and recommendations referred to in this environmental authorisation are implemented and to ensure compliance with the provisions of the approved EMPr.
24. The ECO must be appointed before commencement of any authorised activities.
25. Once appointed, the name and contact details of the ECO must be submitted to the Director: Compliance Monitoring of the Department at Directorcompliance@environment.gov.za.
26. The ECO must keep record of all activities on site, problems identified, transgressions noted and a task schedule of tasks undertaken by the ECO.
27. The ECO must remain employed until all rehabilitation measures, as required for implementation due to construction damage, are completed and the site is ready for operation.

Recording and reporting to the Department

28. All documentation e.g. audit/monitoring/compliance reports and notifications, required to be submitted to the Department in terms of this environmental authorisation, must be submitted to the Director: Compliance Monitoring of the Department at Directorcompliance@environment.gov.za.
29. The holder of the environmental authorisation must, for the period during which the environmental authorisation and EMPr remain valid, ensure that project compliance with the conditions of the environmental authorisation and the EMPr are audited, and that the audit reports are submitted to the Director: Compliance Monitoring of the Department at Directorcompliance@environment.gov.za.
30. The frequency of auditing and of submission of the environmental audit reports must be as per the frequency indicated in the EMPr, taking into account the processes for such auditing as prescribed in Regulation 34 of GN R. 982, as amended.

31. The holder of the authorisation must, in addition, submit environmental audit reports to the Department within 30 days of completion of the construction phase (i.e. within 30 days of site handover) and a final environmental audit report within 30 days of completion of rehabilitation activities.
32. The environmental audit reports must be compiled in accordance with Appendix 7 of the EIA Regulations, 2014, as amended, and must indicate the date of the audit, the name of the auditor and the outcome of the audit in terms of compliance with the environmental authorisation conditions as well as the requirements of the approved EMPr.
33. Records relating to monitoring and auditing must be kept on site and made available for inspection to any relevant and competent authority in respect of this development.

Notification to authorities

34. A written notification of commencement must be given to the Department no later than fourteen (14) days prior to the commencement of the activity. Commencement for the purposes of this condition includes site preparation. The notice must include a date on which it is anticipated that the activity will commence, as well as a reference number.

Operation of the activity

35. A written notification of operation must be given to the Department no later than fourteen (14) days prior to the commencement of the activity operational phase.

Site closure and decommissioning

36. Should the activity ever cease or become redundant, the holder of the authorisation must undertake the required actions as prescribed by legislation at the time and comply with all relevant legal requirements administered by any relevant and competent authority at that time.

Specific conditions

37. The footprint of the development must be limited to the areas required for actual construction works and operational activities.
38. Areas outside of the footprint, including sensitive areas and buffer areas, must be clearly demarcated (using fencing and appropriate signage) before construction commences and must be regarded as "no-go" areas.
39. All areas of disturbed soil must be reclaimed using only indigenous grass and shrubs. Reclamation activities shall be undertaken according to the EMPr.
40. Topsoil from all excavations and construction activities must be salvaged and reapplied during reclamation.
41. An integrated waste management approach must be implemented that is based on waste minimisation and must incorporate reduction, recycling and re-use options where appropriate. Where solid waste is disposed of, such disposal shall only occur at a landfill licensed in terms of section 20(b) of the National Environment Management Waste Act, 2008 (Act 59 of 2008).
42. The holder of this authorisation must take note that no temporary site camps will be allowed outside the footprint of the development area as the establishment of such structures might trigger a listed activity as defined in the Environmental Impact Assessment Regulations.
43. Borrow materials must be obtained only from authorised and permitted sites. Permits must be kept on site by the ECO.
44. Should any archaeological sites, artefacts, paleontological fossils or graves be exposed during construction work, work in the immediate vicinity of the find must be stopped, the South African Heritage Resources Agency (SAHRA) must be informed and the services of an accredited heritage professional obtained for an assessment of the heritage resources.
45. All declared aliens must be identified and managed in accordance with the Conservation of Agricultural Resources Act, 1983 (Act No. 43 of 1983). There should be an alien species monitoring and eradication program to prevent encroachment of these problem plants for the duration of the operation.

General

46. The recommendations of the EAP in the EIAR dated March 2021 and the specialist studies attached must be adhered to. In the event of any conflicting mitigation measures and conditions of the Environmental Authorisation, the specific condition of this Environmental Authorisation will take preference.

47. A copy of this environmental authorisation, the audit and compliance monitoring reports, and the approved EMPr, must be made available for inspection and copying-
- 47.1. at the site of the authorised activity;
 - 47.2. to anyone on request; and
 - 47.3. where the holder of the environmental authorisation has a website, on such publicly accessible website.
48. National government, provincial government, local authorities or committees appointed in terms of the conditions of this authorisation or any other public authority shall not be held responsible for any damages or losses suffered by the holder of the authorisation or his/her successor in title in any instance where construction or operation subsequent to construction be temporarily or permanently stopped for reasons of non-compliance by the holder of the authorisation with the conditions of authorisation as set out in this document or any other subsequent document emanating from these conditions of authorisation.

Date of environmental authorisation: 05/07/2021



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 Department took, *inter alia*, the following into consideration -

- a) The listed activities as applied for in the application form received on 12 October 2020.
- b) The information contained in the EIAr dated March 2021.
- c) The comments received from interested and affected parties as included in the EIAr dated March 2021.
- d) Mitigation measures as proposed in the EIAr and the EMPr dated March 2021.
- e) The information contained in the specialist studies contained within the appendices of the EIAr dated March 2021.

2. Key factors considered in making the decision

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

- a) The findings of all the specialist studies conducted and their recommended mitigation measures.
- b) The EIAr dated March 2021 identified all legislations and guidelines that have been considered in the preparation of the EIAr.
- c) The methodology used in assessing the potential impacts identified in the EIAr dated March 2021 and the specialist studies have been adequately indicated.
- d) A sufficient public participation process was undertaken and the applicant has satisfied the minimum requirements as prescribed in the EIA Regulations, 2014, as amended for public involvement.

3. Findings

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

- a) The identification and assessment of impacts are detailed in the EIAr dated March 2021 and sufficient assessment of the key identified issues and impacts have been completed.
- b) The procedure followed for impact assessment is adequate for the decision-making process.
- c) The information contained in the EIAr dated March 2021 is deemed to be accurate and credible.
- d) The proposed mitigation of impacts identified and assessed adequately curtails the identified impacts.

- e) EMPr measures for the pre-construction, construction and rehabilitation phases of the development were proposed and included in the EIAR dated March 2021 and will be implemented to manage the identified environmental impacts during the construction phase.

In view of the above, the Department is satisfied that, subject to compliance with the conditions contained in the environmental authorisation, the authorised activities will not conflict with the general objectives of integrated environmental management laid down in Chapter 5 of the National Environmental Management Act, Act No. 107 of 1998, as amended, and that any potentially detrimental environmental impacts resulting from the authorised activities can be mitigated to acceptable levels. The environmental authorisation is accordingly granted.