



environmental affairs

Department:
Environmental Affairs
REPUBLIC OF SOUTH AFRICA

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

DEA Reference: 14/12/16/3/3/1/1799

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Ms Justine Wyngaardt
Eskom Holdings SOC Limited
PO Box 222,
BRACKENFELL
7561

Tel number: (021) 980 3112
Email address: Wyngaajo@eskom.co.za

PER E-MAIL / MAIL

Dear Ms Wyngaardt

ENVIRONMENTAL AUTHORISATION IN TERMS OF THE NATIONAL ENVIRONMENTAL MANAGEMENT ACT, 1998: GN R. 982/983/985: FOR THE CONSTRUCTION OF A KOEBERG INSULATOR POLLUTION TESTING STATION WITHIN THE CITY OF CAPE TOWN, WESTERN CAPE PROVINCE

With reference to the above application, please be advised that the Department has decided to grant environmental 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 (the Regulations), you are instructed to notify all registered interested and affected parties, in writing and within 14 (fourteen) days of the date of the EA, of the Department's decision in respect of your application as well as the fact that an appeal may be lodged against the decision in terms of the National Appeals Regulations, and the provisions regarding the submission of appeals as contained in the Regulations.

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:

Mr Z Hassam, 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,
0083; or

By post: Private Bag X447,
Pretoria,

MS

Please note that in terms of Section 43(7) of the National Environmental Management Act, 1998, 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 appealsdirector@environment.gov.za.

Yours faithfully


Mr Sabelo Malaza
Chief Director Integrated Environmental Authorisations
Department of Environmental Affairs
Date: 22/11/2019

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|----|-------------|----------------------|----------|-------------------|---|
| Cc | Susanna Nel | Landscape consultant | Dynamics | Tel: 021 855 0912 | Email: susanna@landscapedynamics.co.za |
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MS



environmental affairs

Department:
Environmental Affairs
REPUBLIC OF SOUTH AFRICA

Environmental Authorisation

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

**CONSTRUCTION OF A KOEBERG INSULATOR POLLUTION TESTING STATION (KIPTS) WITHIN
THE CITY OF CAPE TOWN, WESTERN CAPE PROVINCE CAPE PROVINCE**

CITY OF CAPE TOWN

| | |
|---------------------------------------|---|
| Authorisation register number: | <i>14/12/16/3/3/1/1799</i> |
| Last amended: | <i>First issue</i> |
| Holder of authorisation: | <i>Eskom Holdings SOC Limited</i> |
| Location of activity: | <i>City of Cape Town: Within Ward 32 at the Koeberg Nuclear Power Station (KNPS) on Farm 1552, Cape RD in the Western Cape Province</i> |

This environmental 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.

MS

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, 1998 and the EIA Regulations, 2014.

Details regarding the basis on which the Department reached this decision are set out in Annexure 1.

Activities authorised

By virtue of the powers conferred on it by the National Environmental Management Act, 1998 (Act No.107 of 1998) and the Environmental Impact Assessment Regulations, 2014 the Department hereby authorises –

ESKOM HOLDINGS SOC LIMITED

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

with the following contact details –

Ms Justine Wyngaardt
Eskom Holdings SOC Limited
PO Box 222,
BRACKENFELL
7561

Tel number: (021) 980 3112
Email address: Wyngaajo@eskom.co.za

to undertake the following activities (hereafter referred to as "the activity") indicated in Listing Notice 1 & 3 (GN R. 983 and 985):

| Listed activities | Activity/Project description |
|--|--|
| <p><u>GN R. 983 Item 17</u></p> <p>Development-</p> <p>(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.</p> | <p>The new KIPTS will be constructed within 100m from the high-water mark of the sea. The development will be more than 50m².</p> |
| <p><u>GN R. 983 Item 19A</u></p> <p>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—</p> <p>(ii) the littoral active zone, an estuary or a distance of 100 metres inland of the highwater mark of the sea or an estuary, whichever distance is the greater.</p> | <p>Foundations for the new KIPTS will be excavated within 100m from the high-water mark of the sea. Excavation will exceed 5m³.</p> |
| <p><u>GN R. 983 Item 24</u></p> <p>The development of a road—</p> <p>(ii) with a reserve wider than 13,5 meters, or where no reserve exists where the road is wider than 8 metres.</p> | <p>An access road with a maximum length of 1.6km and with an approximate width of 10m will be constructed.</p> |
| <p><u>GN R. 983 Item 27</u></p> <p>The clearance of an area of 1 hectares or more, but less than 20 hectares of indigenous vegetation.</p> | <p>Indigenous vegetation of more than 1 hectare will be cleared for the new KIPTS and access roads.</p> |
| <p><u>GN R. 983 Item 31</u></p> <p>The decommissioning of existing facilities, structures or infrastructure for—</p> <p>(i) any development and related operation activity or activities listed in this Notice, Listing Notice 2 of 2014 or Listing Notice 3 of 2014;</p> <p>(v) any activity regardless the time the activity was commenced with, where such activity:</p> <p>(a) is similarly listed to an activity in (i) or (ii) above; and</p> <p>(b) is still in operation or development is still in progress.</p> | <p>The existing KIPTS will be decommissioned.</p> |

| Listed activities | Activity/Project description |
|--|--|
| <p><u>GN R. 985 Item 4</u></p> <p>The development of a road wider than 4 metres with a reserve less than 13,5 metres.</p> <p>i. Western Cape:</p> <p>ii. Areas outside urban areas;</p> <p>(aa) Areas containing indigenous vegetation.</p> | <p>An access road with an approximate width of 10m will be constructed in areas that contain indigenous vegetation.</p> |
| <p><u>GN R. 985 Item 12</u></p> <p>The clearance of an area of 300 square metres or more of indigenous vegetation,</p> <p>i. Western Cape:</p> <p>i. Within any critically endangered or endangered ecosystem listed in terms of section 52 of the NEMBA or prior to the publication of such a list, within an area that has been identified as critically endangered in the National Spatial Biodiversity Assessment 2004.</p> <p>(iii) Within the littoral active zone or 100 metres inland from high water mark of the sea or an estuarine functional zone, whichever distance is the greater, excluding where such removal will occur behind the development setback line on erven in urban areas.</p> | <p>An area of more than 300m² of indigenous vegetation will be cleared. The study area is situated on land which has been identified as Endangered – also refer to the <i>Threatened Ecosystem</i> map as attached under Appendix A.</p> <p>The natural vegetation in most of the study area is Cape Flats Dune Strandveld which is classified as being Endangered.</p> |
| <p><u>GN R. 985 Item 18</u></p> <p>The widening of a road by more than 4 metres, or the lengthening of a road by more than 1 kilometre.</p> <p>i. Western Cape</p> <p>ii. All areas outside urban areas:</p> <p>(aa) Areas containing indigenous vegetation.</p> | <p>Sections of the existing access roads will be widened by more than 4m into areas that contain indigenous vegetation.</p> |

As described in the Basic Assessment Report (BAR) dated September 2017 at:

- Farm No. 1552, Cape RD.
- SG code: C01600000000155200000.

| Co-ordinates of the preferred site Alternative 1 | Latitude (S) | Longitude (E) |
|--|----------------|----------------|
| | 33° 40'18.03"S | 18° 25'45.39"E |

-for the proposed construction of a new Koeberg Insulator Pollution Testing Station (KIPTS) within the City of Cape Town, Western Cape Province, hereafter referred to as "the property".

The project will entail the following infrastructure:

- The KIPTS will be constructed on land of approximately 13 250m² (1.325 hectares);
- Construction of an access road with a maximum length of 1.6km;
- Construction of an 11kV power line as well as sewerage and water supply pipelines, all with a maximum length of 250m (these lengths are measures from the new KIPTS to the security fence of the Koeberg Power Station).
- The temporary laydown areas and construction site camp will be approximately 1500m².

Conditions of this Environmental Authorisation

Scope of authorisation

1. The preferred site Alternative 1 for the construction of a new Koeberg Insulator Pollution Testing Station (KIPTS), within the City of Cape Town, Western Cape Province is approved as per abovementioned geographical coordinates.
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 five (5) 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. Commencement with one activity listed in terms of this environmental authorisation constitutes commencement of all authorised activities.

Notification of authorisation and right to appeal

9. 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.
10. The notification referred to must –
 - 10.1. specify the date on which the authorisation was issued;
 - 10.2. inform the interested and affected party of the appeal procedure provided for in the National Appeal Regulations, 2014;
 - 10.3. advise the interested and affected party that a copy of the authorisation will be furnished on request; and
 - 10.4. give the reasons of the competent authority for the decision.

Commencement of the activity

11. 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, 1998 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

12. The Environmental Management Programme (EMPr) that complies with GN R.982 of Appendix 4(1) was integrated as part of the BAR. The EMPr is hereby approved and it must be implemented and strictly adhered to.

Frequency and process of updating the EMPr

13. The EMPr must be updated where the findings of the environmental audit reports, contemplated in Condition 23 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.
14. The updated EMPr must contain recommendations to rectify the shortcomings identified in the environmental audit report.
15. 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.
16. 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. 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.
17. The holder of the authorisation may apply for an amendment of an EMPr, if such amendment is required before an audit is required. The holder must notify the Department of its intention to amend the EMPr at least 60 days prior to submitting such amendments to the EMPr to the Department for approval. In assessing whether to grant such approval or not, the Department will consider the processes and requirements prescribed in Regulation 37 of GN R. 982.

Monitoring

18. The holder of the authorisation must appoint an experienced independent 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.

- 18.1. The ECO must be appointed before commencement of any authorised activities.
- 18.2. 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.
- 18.3. The ECO must keep record of all activities on site, problems identified, transgressions noted and a task schedule of tasks undertaken by the ECO.
- 18.4. 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

19. 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.
20. 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.
21. 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.
22. The holder of the authorisation must, in addition, submit an 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.
23. The environmental audit reports must be compiled in accordance with Appendix 7 of the EIA Regulations, 2014 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.
24. 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

25. 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

26. 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

27. 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

28. The holder of the EA must appoint ECO to oversee construction and decommissioning, and should also be responsible for ensuring that all open excavations are checked twice daily for any animals that fall into these excavations, and should then remove them to a safe place for release.
29. The applicant must ensure that if the Contractor (or any other party) finds anything of a palaeontological nature on site during construction phase, e.g. human remains exposed or uncovered during excavation not previously visible, work shall be stopped immediately, and the Environmental Control Officer (ECO) must report to SAHRA (021 462 4502). Furthermore, no palaeontological or archaeological material must be removed from the site without a permit from Heritage Western Cape.
30. An integrated waste management approach must be implemented that is based on waste minimisation and must incorporate reduction, recycling, re-use and disposal.
31. Any solid waste must be disposed of at a landfill licensed in terms of section 20 (b) of the National Environment Management Waste Act, 2008 (Act No.59 of 2008).
32. The holder of the EA must ensure that the Duty of Care principle is implemented at all times during the construction of the project.

General

33. A copy of this environmental authorisation, the audit and compliance monitoring reports, and the approved EMPr, must be made available for inspection and copying-
- 33.1. at the site of the authorised activity;
 - 33.2. to anyone on request; and
 - 33.3. where the holder of the environmental authorisation has a website, on such publicly accessible website.
34. 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: 22/11/2019



Mr Sabelo Malaza

Chief Director: Integrated Environmental Authorisations
Department of Environmental Affairs

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 information contained in the BAR dated September 2017.
- b) The comments received from the City of Cape Town Transport and Urban Development Authority/ uMasipala weSixeko seNtshona Koloni. Western Cape Department of Environmental Affairs and Development Planning, CapeNature/Unxweme lezendalo leNtshona Koloni and interested and affected parties as included in the BAR dated September 2017.
- c) Mitigation measures as proposed in the BAR dated September 2017 and the EMPr.
- d) The information contained in the specialist studies contained within Appendix D of the BAR; and
- e) The objectives and requirements of relevant legislation, policies and guidelines, including section 2 of the National Environmental Management Act, 1998 (Act No.107 of 1998).

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 proposed KIPTS project will contribute to the provision of a more reliable electricity network and the economic as well as private sectors will ultimately benefit from this project.
- c) The BAR dated September 2017 identified all legislation and guidelines that have been considered in the preparation of the BAR dated September 2017.
- d) The methodology used in assessing the potential impacts identified in the BAR dated September 2017 and the specialist studies have been adequately indicated.
- e) A sufficient public participation process was undertaken and the applicant has satisfied the minimum requirements as prescribed in the EIA Regulations, 2014 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 BAR dated September 2017 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 proposed mitigation of impacts identified and assessed adequately curtails the identified impacts.
- d) The information contained in the BAR dated September 2017 is accurate and credible.
- e) EMP measures for the construction, operation and rehabilitation phases of the development were proposed and included in the BAR 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, 1998 and that any potentially detrimental environmental impacts resulting from the authorised activities can be mitigated to acceptable levels. The environmental authorisation is accordingly granted.