



environmental affairs

Department:
Environmental Affairs
REPUBLIC OF SOUTH AFRICA

Private Bag X 447 · PRETORIA · 0001 · Environment House · 473 Steve Biko Road · Arcadia · Pretoria,
Tel (+ 27 12) 399 9372

NEAS Reference: DEA/EIA/0001780/2013

DEA Reference: 14/12/16/3/3/2/508

Enquiries: Ms Constance Musemburi

Telephone: 012-399-9416 **E-mail:** CMusemburi@environment.gov.za

Ms Martina Nailana
Eskom Holdings SOC Limited
P.O. Box 1091
JOHANNESBURG
2000

Tel: (011) 800 3550
E-mail: NailanMa@eskom.co.za

PER EMAIL / MAIL

Dear Ms Nailana

ENVIRONMENTAL AUTHORISATION IN TERMS OF THE NATIONAL ENVIRONMENTAL MANAGEMENT ACT, 1998: GN R. 543, 544 AND 545: CONSTRUCTION OF THE WESKUSFLEUR SUBSTATION AND ASSOCIATED INFRASTRUCTURE WITHIN THE CITY OF CAPE TOWN METROPOLITAN MUNICIPALITY, 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 10(2) of the Environmental Impact Assessment Regulations, 2010 (the Regulations), you are instructed to notify all registered interested and affected parties, in writing and within 12 (twelve) days of the date of the EA, of the Department's decision in respect of your application as well as the provisions regarding the submission of appeals that are contained in the Regulations.

Your attention is drawn to Chapter 7 of the Regulations, which prescribes the appeal procedure to be followed. This procedure is summarised in the attached document. Kindly include a copy of this document with the letter of notification to interested and affected parties.

Should the applicant or any other party wish to appeal any aspect of the decision a notice of intention to appeal must be lodged by all prospective appellants with the Minister, within 20 days of the date of the EA, by means of one of the following methods:

By post: Private Bag X447
Pretoria
0001; or

By hand: Environment House
473 Steve Biko Road,
Arcadia
Pretoria

M.S

If the applicant wishes to lodge an appeal, it must also serve a copy of the notice of intention to appeal on all registered interested and affected parties as well as a notice indicating where, and for what period, the appeal submission will be available for inspection, should you intend to submit an appeal.

Please include the Department (*Attention: Director: Strategic Infrastructure Developments*) in the list of interested and affected parties, notified through your notification letter to interested and affected parties, for record purposes.

Appeals must be submitted in writing to:

Mr Z Hassam Director: Appeals and Legal Review, of this Department at the above mentioned addresses or fax number. Mr Hassam can also be contacted at:

Tel: 012-399-9356

Email: AppealsDirectorate@environment.gov.za

The authorised activities must not commence within twenty (20) days of the date of signature of the environmental authorisation. Further, please note that in terms of section 43(7) of the National Environmental Management Act, 1998, an appeal under section 43 of that Act 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.

Yours faithfully



Mr Sabelo Malaza
Chief Director: Integrated Environmental Authorisations
Department of Environmental Affairs

Date: 08/09/2016

CC:	Frank van der Kooy	Lidwala Consulting Engineers (SA) Pty Ltd.	Tel: 0861 543 9252	Email: rbrummer@lidwala.com
	Keagan Adriaanse	DEADP	Tel: 021 483 3763	Email: keagan.adriaanse@westerncape.gov.za
	Susan Matthysen	Cape Town Local Municipality	Tel: 021 444 0560	Email: Susan.Matthysen@capetown.gov.za



APPEALS PROCEDURE IN TERMS OF CHAPTER 7 OF THE NEMA EIA REGULATIONS, 2010 (THE REGULATIONS) AS PER GN R. 543 OF 2010 TO BE FOLLOWED BY THE APPLICANT AND INTERESTED AND AFFECTED PARTIES UPON RECEIPT OF NOTIFICATION OF AN ENVIRONMENTAL AUTHORISATION (EA)

APPLICANT	INTERESTED AND AFFECTED PARTIES (IAPs)
1. Receive EA from the relevant Competent Authority (the Department of Environmental Affairs [DEA]).	1. Receive EA from Applicant/Consultant.
2. Within 12 days of date of the EA notify all IAPs of the EA and draw their attention to their right to appeal against the EA in terms of Chapter 7 of the Regulations.	2. N/A.
3. If you want to appeal against the EA, submit a notice of intention to appeal within 20 days of the date of the EA with the Minister of Environmental Affairs (the Minister).	3. If you want to appeal against the EA, submit a notice of intention to appeal within 20 days of the date of the EA. with the Minister of Environmental Affairs (the Minister).
4. After having submitted your notice of intention to appeal to the Minister, provide each registered IAP with a copy of the notice of intention to appeal within 10 days of lodging the notice.	4. After having submitted your notice of intention to appeal to the Minister, provide the applicant with a copy of the notice of intention to appeal within 10 days of lodging the notice.
5. The Applicant must also serve on each IAP: <ul style="list-style-type: none"> • a notice indicating where and for what period the appeal submission will be available for inspection. 	5. Appellant must also serve on the Applicant within 10 days of lodging the notice, <ul style="list-style-type: none"> • a notice indicating where and for what period the appeal submission will be available for inspection by the applicant.
6. The appeal must be submitted in writing to the Minister within 30 days after the lapsing of the period of 20 days provided for the lodging of the notice of intention to appeal.	6. The appeal must be submitted to the Minister within 30 days after the lapsing of the period of 20 days provided for the lodging of the notice of intention to appeal.
7. Any IAP who received a notice of intention to appeal may submit a responding statement to that appeal to the Minister within 30 days from the date that the appeal submission was lodged with the Minister.	7. An Applicant who received notice of intention to may submit a responding statement to the appeal to the Minister within 30 days from the date that the appeal submission was lodged with the Minister.

NOTES:

1. An appeal must be:-

- a) submitted in writing;
- b) accompanied by:
 - a statement setting out the grounds of appeal;
 - supporting documentation which is referred to in the appeal; and
 - a statement that the appellant has complied with regulation 62 (2) or (3) together with copies of the notices referred to in regulation 62.



environmental affairs

Department:
Environmental Affairs
REPUBLIC OF SOUTH AFRICA

Environmental Authorisation

In terms of Regulation 36 of the Environmental Impact Assessment Regulations, 2010

**PROPOSED CONSTRUCTION OF THE WESKUSFLEUR SUBSTATION AND ASSOCIATED
INFRASTRUCTURE WITHIN THE CITY OF CAPE TOWN MUNICIPALITY, WESTERN CAPE
PROVINCE.**

City of Cape Town Municipality

Authorisation register number:	<i>14/12/16/3/3/2/508</i>
NEAS reference number:	<i>DEA/EIA/0001780/2013</i>
Last amended:	<i>First issue</i>
Holder of authorisation:	<i>Eskom Holdings SOC Limited</i>
Location of activity:	<i>WESTERN CAPE PROVINCE: Within the City of Cape Town Metropolitan Municipality</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.

M.S

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 authorisation may result in criminal prosecution or other actions provided for in the National Environmental Management Act, 1998 and the EIA Regulations, 2010.

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 107 of 1998) and the Environmental Impact Assessment Regulations, 2010 the Department hereby authorises –

ESKOM HOLDINGS SOC LIMITED

with the following contact details –

Ms Martina Nailana
Eskom Holdings SOC Limited
P.O. Box 1091
JOHANNESBURG
2000

Tel: (011) 800 3550
Fax: (011) 800 3917
E-mail: NailanMa@eskom.co.za

to undertake the following activities (hereafter referred to as "the activity") indicated in Listing Notices 1, 2 or 3 (GN R. 544, 545 & 546):

Listed activities	Activity/Project description
<p><u>GN R. 544 Item 10:</u> <i>The construction of facilities or infrastructure for the transmission and distribution of electricity</i> (i) <i>Outside urban areas or industrial complexes with a capacity of more than 33 but less than 275 kilovolts.</i></p>	<p>Construction of 400/132kV Substation and associated infrastructure.</p>
<p><u>GN R. 544 Item 13:</u> <i>The construction of facilities or infrastructure for the storage, or for the storage and handling, of a dangerous good, where such storage occurs in containers with a combined capacity of 80 but not exceeding 500 cubic metres.</i></p>	<p>During construction, transformer oil will be stored on site before pumped into transformers.</p>
<p><u>GN R. 545 Item 8:</u> <i>The construction of facilities or infrastructure for the transmission and distribution of electricity with a capacity of 275 kilovolts or more, outside an urban area or industrial complex.</i></p>	<p>Construction of 400/132kV Substation and associated infrastructure</p>
<p><u>GN R. 546 Item 4:</u> <i>The construction of a road wider than 4 metres with a reserve less than 13,5 metres</i> (a) <i>In Western Cape:</i> (ii) <i>All areas outside urban areas;</i></p>	<p>The proposed development will involve the construction of a road wider than 4 meters.</p>
<p><u>GN R. 546 Item 12:</u> <i>The clearance of an area of 300 square metres or more of vegetation where 75% or more of the vegetative cover constitutes indigenous vegetation.</i> (a) <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;</i></p>	<p>The construction of the substation and associated infrastructure will result in the clearance of an area of 1 ha or more of vegetation.</p>

<p><u>GN R. 546 Item 13:</u></p> <p><i>The clearance of an area of 1 hectare or more of vegetation where 75% or more of the vegetative cover constitutes indigenous vegetation, except where such removal of vegetation is required for:</i></p> <p><i>(1) the undertaking of a process or activity 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 activity is regarded to be excluded from this list.</i></p> <p><i>(2) the undertaking of a linear activity falling below the thresholds mentioned in Listing Notice 1 in terms of GN No. 544 of 2010.</i></p> <p><i>(a) Critical biodiversity areas and ecological support areas as identified in systematic biodiversity plans adopted by the competent authority.</i></p>	<p>The construction of the substation and associated infrastructure will result in the clearance of an area of 1 ha or more of vegetation.</p>
--	--

as described in the Environmental Impact Assessment Report (EIAR) dated May 2016 at:

Cape Farm Duynefontein 34 - Surveyor-General 21 digit site code:

C	0	1	6	0	0	0	0	0	0	0	0	0	0	3	4	0	0	0	0	0
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

- for the construction of the Weskusfleur Substation and the associated infrastructure at Cape Farm Duynefontein 34 within the City of Cape Town Metropolitan Municipality in the Western Cape Province, hereafter referred to as "the property".

The infrastructure associated with this facility includes:

- Construction of the new 400kV busbar with space capability of 3x250MVA, 400/132kV transformation;
- Equip new 2x250MVA, 400/132kV transformers;
- Re-route the Generation transformers to the new 400kV busbar;
- Re-route the outgoing 400kV feeders; as follows:

- Reroute Acacia-Koeberg 400kV Line 1
- Reroute Acacia-Koeberg 400kV Line 2
- Reroute Ankerlig-Koeberg 400kV Line 1
- Reroute Ankerlig-Koeberg 400kV Line 2
- Reroute Koeberg-Muldersvlei 400kV Line 1
- Reroute Koeberg-Stikland 400kV Line 1

- Re-route the outgoing 132kV feeders; as follows
 - Reroute Ankerlig-Koeberg 132kV Line 1 to accommodate new 2x500kV line servitudes of 45m each
 - Reroute Blaauwberg-Koeberg 132kV Line 1
 - Reroute Dassenberg-Koeberg 132kV Line 1
 - Reroute Dassenberg-Koeberg 132kV Line 2
 - Reroute Duine-Koeberg 132kV Line 1

- Temporary storage of large volumes of transformer oil on site to be deposited into transformers;
- Temporary storage of any hazardous chemical substances to be used during the construction phase;
- The clearance of vegetation as a result of the construction of the substation and associated infrastructure,
- Construction of a road towards the substation. For the preferred alternative site 1 the road will be from the existing parking lot towards the North/West side of KNPS and the length will be approximately 300 to 400 meters.
- Security fencing applicable to both sites. It is estimated that site 1 will partly be included into the existing security area around the power station high security zone. The extension will be approximately 200 meter in length x 10 meter wide strip cleared. (40 000m² – estimated footprint of GIS building plus pylons = 200 x 200 m /2 (Half) – 100 + 100 m = total length of 200 meters by area between high security fencing = 10 m total 2000 m² meter. The total expected substation footprint is 7.2 hectare which includes some land between the inner security fence and the GIS building. The area between the 2 fences is totally cleared of all vegetation.

- Laydown areas- for any construction activity normally an additional temporary area is needed to store equipment or building material. It is estimated that the site will be approximately 2 hectare for site 1.
- Pylons in front of the GIS and turn-ins to the AIS. For site 1 there will be no additional structures as is present at the moment. The old pylons in front of the old GIS substation will be demolished and new ones erected in front of the new GIS. This is thus a replacement and will not add to the area impact size.

Conditions of this Environmental Authorisation

Scope of authorisation

1. The preferred Site (S1) with the preferred technology Alternative 1 (T1) Gas Insulated Substation_(GIS) for the construction of Weskusfleur Substation and associated infrastructure at Cape Farm Duynfontein 34 within the City of Cape Town Municipality in the Western Cape Province with the abovementioned SG site code as indicated in the final EIAR dated May 2016 is hereby authorised.
 2. Authorisation of the activity is subject to the conditions contained in this 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 must only be carried out at the property as described above.
 5. Any changes to, or deviations from, the project description set out in this 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 authorisation in terms of the regulations.
 6. This activity must commence within a period of five (5) years from the date of issue of this 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.
 7. Commencement with one activity listed in terms of this authorisation constitutes commencement of all authorised activities.
-

Notification of authorisation and right to appeal

8. The holder of the authorisation must notify every registered interested and affected party, in writing and within 12 (twelve) calendar days of the date of this environmental authorisation, of the decision to authorise the activity.
9. The notification referred to must –
 - 9.1. specify the date on which the authorisation was issued;
 - 9.2. inform the interested and affected party of the appeal procedure provided for in Chapter 7 of the Environmental Impact Assessment Regulations, 2010;
 - 9.3. advise the interested and affected party that a copy of the authorisation will be furnished on request; and
 - 9.4. give the reasons of the competent authority for the decision.
10. The holder of the authorisation must publish a notice –
 - 10.1. informing interested and affected parties of the decision;
 - 10.2. informing interested and affected parties where the decision can be accessed; and
 - 10.3. drawing the attention of interested and affected parties to the fact that an appeal may be lodged against this decision in the newspaper(s) contemplated and used in terms of regulation 54(2)(c) and (d) and which newspaper was used for the placing of advertisements as part of the public participation process.

Management of the activity

11. The Environmental Management Programme (EMPr) submitted as part of the Application for EA is hereby approved. This EMPr must be implemented and adhered to.

Monitoring

12. The applicant must appoint a suitably 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 authorisation are implemented and to ensure compliance with the provisions of the EMPr.
 - 12.1. The ECO must be appointed before commencement of any authorised activity/ies.

- 12.2. 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.
- 12.3. The ECO must keep record of all activities on site, problems identified, transgressions noted and a task schedule of tasks undertaken by the ECO.
- 12.4. 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.
- 12.5. 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.

Recording and reporting to the Department

13. All documentation e.g. audit/monitoring/compliance reports and notifications, required to be submitted to the Department in terms of this authorisation, must be submitted to the *Director: Compliance Monitoring* of the Department at Directorcompliance@environment.gov.za.
14. The holder of the authorisation must submit an environmental audit report to the Department within 30 days of completion of the construction phase (i.e. within 30 days of site handover) and within 30 days of completion of rehabilitation activities.
15. The environmental audit report 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 EMPr.

Commencement of the activity

16. The authorised activity must not commence within twenty (20) days of the date of signature of the authorisation.
17. 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.

Notification to authorities

18. 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. This notification period may coincide with the notice of intent to appeal period.

Operation of the activity

19. 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

20. Should the activity ever cease or become redundant, the applicant 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

21. No construction must occur within 32m of a watercourse and no activities will be allowed to encroach into a water resource without a water use authorisation being in place from the Department of Water and Sanitation.

22. A permit must be obtained from the relevant nature conservation agency for the removal or destruction of indigenous protected and endangered plant and animal species.

23. No exotic plants must be used for rehabilitation purposes. Only indigenous plants of the area must be utilised.

24. Construction areas must be clearly demarcated and only approved areas must be used for storage and cement mixing. Any cement or concrete mixing must be done on an impervious surface to prevent soil contamination

25. An integrated waste management approach must be implemented that is based on waste minimisation and must incorporate reduction, recycling, re-use and disposal.

General

26. A copy of this authorisation and the approved EMPr must be kept at the property where the activity/ will be undertaken. The authorisation and approved EMPr must be produced to any authorised official of the

Department who requests to see it and must be made available for inspection by any employee or agent of the holder of the authorisation who works or undertakes work at the property.

27. The holder of the authorisation must notify both the *Director: Strategic Infrastructure Developments* and the *Director: Compliance Monitoring* of the Department at Directorcompliance@environment.gov.za, in writing and within 48 (forty eight) hours, if any condition of this authorisation cannot be or is not adhered to. Any notification in terms of this condition must be accompanied by reasons for the non-compliance.
28. 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 applicant or his 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 applicant 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: 2/09/2016



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 final EIAR dated May 2016;
- b) The comments received from organs of state and interested and affected parties as included in the final EIAR dated May 2016;
- c) The sense of balance of the negative and positive impacts and proposed mitigation measures as provided in the final EIAR dated May 2016 and the EMPr;
- d) The information contained in the specialist studies contained within Appendix D of the final EIAR; and
- 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 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 need for the proposed project was well explained and the Department considered the need of the project.
- c) The final EIAR dated May 2016 identified the relevant legislation and guidelines that have been considered in the preparation of the EIAR.
- d) The methodology used in assessing the potential impacts identified in the final EIAR dated May 2016 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, 2010 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 final EIAR dated May 2016 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 final EIAR dated May 2016 is accurate and credible.
- e) EMPr measures for the pre-construction, construction and rehabilitation phases of the development were proposed and included in the EIAR and will be amended so as to manage the identified site specific environmental impacts during the construction process.

In view of the above, the Department is satisfied that, subject to compliance with the conditions contained in the environmental authorisation, the proposed activity 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 proposed activity can be mitigated to acceptable levels. The environmental authorisation is accordingly granted.