



Dieprivier – Kareedouw 132kV Powerline Application for Amendment of Environmental Authorisation

DEA Ref: 14/12/16/3/3/1/572/AM1
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Dieprivier – Kareedouw 132kV Powerline Application for Amendment of Environmental Authorisation

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Revision Status

Rev No.	Issue Date	# Pages	Revision Description	Prepared By	Reviewed By	Approved By
0	26/09/2016	24	Version 1	K. Parkinson	W. Fyvie	M. Olivier
1	09/12/2016	22	Version 2	K. Parkinson	W. Fyvie	M. Olivier

Distribution List

Copies to:

Copy 1 of 3 Director: Integrated Environmental Authorisations
Copy 2 of 3 Ms Nene Songxaba
Copy 3 of 3 Mr George Vokwana

Abbreviations / Acronyms / Definitions

EA Environmental Authorisation
EAP Environmental Assessment Practitioner

Appendices

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environmental affairs

Department:
Environmental Affairs
REPUBLIC OF SOUTH AFRICA

Application for amendment of an environmental authorisation in terms of the National Environmental Management Act, 1998 (Act No. 107 of 1998), as amended, and the Environmental Impact Assessment Regulations 2014

Kindly note that:

1. This form must be used to apply for the amendment of an environmental authorisation. An amendment includes:
 - a) adding, substituting, removing or changing a condition or requirement of an environmental authorisation, or
 - b) updating or changing any details or correcting a technical error.
2. This form is current as of 08 December 2014. It is the responsibility of the Applicant / EAP to ascertain whether subsequent versions of the form have been published or produced by the competent authority.
3. The required information must be typed within the spaces provided in the form. The sizes of the spaces provided are not necessarily indicative of the amount of information to be provided. It is in the form of a table that can extend itself as each space is filled with typing.
4. Incomplete applications may be rejected or returned to the applicant for amendment.
5. The use of "not applicable" in the form must be done with circumspection. Where it is used in respect of material information that is required by the competent authority for assessing the application, this may result in the rejection of the application as provided for in the regulations.
6. **No faxed or e-mailed applications will be accepted.**
7. Unless protected by law, all information contained in and attached to this application, will become public information on receipt by the competent authority. Upon request during any stage of the application process, the applicant / EAP must provide any registered interested and affected party with the information contained in and attached to this application.
8. This form must be submitted to the Department at the postal address given below or by delivery thereof to the Registry Office of the Department. Should the application form and attached reports not be submitted to the addresses given below it will be rejected.
9. Proof of payment of the prescribed fee of R2000 must accompany the submission of this form, unless an exclusion applies (see section 1 below). The application will not be processed without proof of payment unless one of the exclusions provided for in the fee Regulations is applicable AND such information in the exclusion section of this application form has been confirmed by this Department.

DEPARTMENTAL DETAILS

Postal address:

Department of Environmental Affairs
Attention: Director: Integrated Environmental Authorisations

Private Bag X447
Pretoria
0001

Physical address:

Department of Environmental Affairs
Attention: Director: Integrated Environmental Authorisations
Environment House
473 Steve Biko Road
Arcadia
Pretoria

Queries must be directed to the Directorate: Integrated Environmental Authorisations at:
Tel: (012) 399-9372 Email: EIAAdmin@environment.gov.za

Please note that this form must be copied to the relevant provincial environmental department(s)
View the Department's website at <http://www.environment.gov.za/> for the latest version of the documents.

1 PROOF OF PAYMENT

Applicants are required to tick the appropriate box below to indicate that either proof of payment is attached or that, in the applicant's view, an exclusion applies. Proof and a motivation for exclusions must be attached as **Appendix 1** of this application form.

Proof of payment attached as **Appendix 1**

Exclusion applies

An applicant is excluded from paying fees if:

- The activity is a community based project funded by a government grant; or
- The applicant is an organ of state.

TYPE OF EXCLUSION	Tick where applicable. Proper motivation must be attached to the application
The activity is a community based project funded by a government grant	
The applicant is an organ of state	X

Department of Environmental Affairs' details for the payment of application fees

<p>Payment Enquiries: Tel: 012 399 9119 Email: eiafee@environment.gov.za</p> <p>Banking details: ABSA Bank Branch code: 632005 Account number: 1044 2400 72 Current account Reference number :(application reference number to be used)</p> <p>Proof of payment must accompany the application form:</p> <p>Tax exemption status: Status: Tax exempted</p>
--

2 APPLICATION DETAILS

Name of person to whom the environmental authorisation was issued:	Mr Tom Smith. Please note Mr Tom Smith is no longer employed by Eskom. Please address all future correspondence to Mr George Vokwana using the contact details listed below.		
Contact person:	Mr George Vokwana		
Postal address:	Private Bag X1		
	Beacon bay, East London		
	Postal code: 5201		
Telephone:	043 703 2399	Cell:	074 333 3158
E-mail:	VokwanGS@eskom.co.za	Fax:	086 538 6045
Environmental Assessment	Mr Walter Fyvie		

Practitioner (EAP):			
Contact person:	Mr Walter Fyvie		
Postal address:	PO Box 63703		
	Greenacres		
	Postal code: 6057		
Telephone:	041 392 7500	Cell:	072 843 9630
E-mail:	wfyvie@gibb.co.za	Fax:	041 363 9300
EAP Qualifications:	M.Sc. (Environmental Bio-technology), B.Sc. (Hons) Biochemistry.		
EAP Registrations/Associations:	Professional Natural Scientist (Environmental Science), South African Council for Natural Scientific Professions (Pr.Sci.Nat 400053/04), Registered Environmental Assessment Practitioner (ICB EAPSA), Registered with the Institute of Waste Management South Africa		
Name of landowner if the person to whom the environmental authorisation has been issued is not the owner:	The substations and powerline crosses numerous land parcels refer to the list attached below.		
Contact person:			
Postal address:			
	Postal code:		
Telephone:		Cell:	
E-mail:		Fax:	
	In instances where there is more than one landowner, please attach a list of landowners with their contact details to the back of this page, together with copies of the notices given to these landowners about the amendment application.		
Project Description:	The project involves the construction of approximately 35km of powerline which will run between the new build Dieprivier substation and the existing Kareedouw substation.		
Farm name, Erf No., portion etc:	Refer to attached list.		
Physical address where authorised activity is taking or will take place:	Refer to the list below.		
Magisterial District or Town:	Refer to attached list.		
Departmental reference number of the previous environmental authorisation in respect of which an amendment is applied for:	14/12/16/3/3/1/572		
Date of issue of environmental authorisation:	19/09/2013		
Activity/ies for which authorisation was granted:	GN R544 Item 10(i), GN R544 item 11(iii), GN R544 item 18, GN R546 item 3(a), (b) (ii), GN R546 item 12(b), GN R546 item 13(a), (c) ii.		
Please Note: A certified copy of the environmental authorisation must be attached to this application as Appendix 2.			

Landowner Contact Details

NAME	CONTACT	CONTACT NUMBER	EMAIL ADDRESS	POSTAL ADDRESS	FARM NAME	FARM/ERF No.	PTN
Deca Familietrust	Clive Bramwell	042-2952404, 0836515701	bramwell.c@igen.co.za	PO Box 119, Jeffreysbaai, 6330	Humansdorp Rd	954	
Paul Buchner Ferriera	Paul Ferriera	0836727321, 042-2952521	N/A	PO Box 442 Humansdorp, 6300	Humansdorp Rd	360, 360-3,362-13	
Laagte Familie Trust	Koos du Plessis	0825621643, 042-2910771	N/A	PO Box 59, Humansdorp, 6300	Tweefonteinen	362	3
Michael Muller Familie Trust	Michae Muller, Gert Muller	0727975629, 0824104556	mike.muller@webmail.co.za	4 Dogwood street, Jeffreys Bay / PO Box 1522, Humansdorp, 6300	Tweefonteinen	362	
Antonie Michael Muller	Michael Muller, Gert Muller	0727975629, 0824104556			Tweefonteinen	362	2
Antonie Michael Muller	Michael Muller, Gert Muller	0727975629, 0824104556			Farm 285	285	
Antonie Michael Muller	Michael Muller, Gert Muller	0727975629, 0824104556			Die Erf	283	5
Nico Herselman Family Trust	Nico Hesselman	082 4412467	nherselman@vodamail.co.za		PO Box 36 Witselbos, 6304	Essenbosch	278
Nico Herselman Family Trust	Nico Hesselman	082 4412467			Essenbosch	278	18
Andries Hercules du Preez	Andries Du Preez	001-336-987-3496	andriesdu@gmail.com	N/A	Essenbosch	278	16
Daniel Theodorus du Preez	Niel Du Preez	042-2880746, 0721265950	essenbos@hotmail.com	PO Box 85, Kareedouw, 6401	Essenbosch	278	15
Daniel Theodorus du Preez	Niel Du Preez	042-2880746, 0721265950			Scholtz Bosch	276	
S G Muller Familietrust	Annetjie Botha	082-4118797	annetjiejxb@gmail.com	PO Box 44 Kareedouw, 6400	Farm 271	271	2
S G Muller Familietrust	Annetjie Botha	082-4118797			Farm 271	271	3
S G Muller Familietrust	Annetjie Botha	082-4118797			Kromme River	269	28
Hendrik F.J. Erasmus	H.F.J Erasmus	0825445559,	N/A	PO Box 66 Kareedouw, 6400	Farm 271	271	
Hendrik F.J. Erasmus	H.F.J Erasmus	0825445559,			Assegaaibosch	267	
Michael Bain	Michael Bain	083-3006652	N/A	PO Box 67 Kareedouw, 6400	Platte Kloof	255	1
Audie Glenn Claassen	Audie Glen Classen	042-2880100, 0824515205	N/A	PO Box 326 Kareedouw, 6400	Melkhoute Kraal	254	23
Handrie van der Watt	Handrie/ Johan van der Watt	042-2880262	dieplaaswerf@telkomsa.net	PO Box 1 Kareedouw, 6400	Melkhoute Kraal	254	7
Handrie van der Watt	Handrie/ Johan van der Watt	042-2880262			Melkhoute Kraal	254	37
Matthys Stephanus de Jager	Thys de Jager	083-6112729	N/A	PO Box 103 Kareedouw, 6400	Melkhoute Kraal	254	19
Andreas Johannes Hamman	Andre Hamman	082-5767516	admin@nguniland.co.za	PO Box 311 Kareedouw, 6400	Melkhoute Kraal	254	2
Andreas Johannes Hamman	Andre Hamman	082-5767516			Melkhoute Kraal	797	1
Local Authority	Miss KwaBabana	042-2887209	Olwethu.kwababana@gmail.com		Jagersbosch	797	
Mountfort Property Trust	Brendon Mountford	082-9248335	brendansue@igen.co.za	PO Box 335 Kareedouw, 6400	Jagersbosch	249	

3 DETAILS OF IMPLEMENTATION OF PREVIOUS ENVIRONMENTAL AUTHORISATION

Was the activity commenced with during the validity period of the environmental authorisation? If yes, please describe the implementation of the previous environmental authorisation to date:	YES	NO
Not applicable. The environmental authorisation is still valid. The environmental authorisation is dated 19 September 2013 and is valid for 5 years. Construction will commence before 19 September 2018.		

4 AMENDMENTS APPLIED FOR AND RELATED INFORMATION

Please indicate which of the following is relevant:

1.1. The holder of an environmental authorisation may at any time apply to the relevant competent authority for the amendment of the authorisation if:

(a) there is a material change in the circumstances which existed at the time of the granting of the environmental authorisation;	YES	NO X
(b) there has been a change of ownership in the property and transfer of rights and obligations must be provided for; or	YES	NO X
(c) any detail contained in the environmental authorisation must be amended, added, substituted, corrected, removed or updated.	YES X	NO

1.2. Describe the amendments that are being applied for:

Eskom are applying for two deviations from the approved routing of the powerline.

Deviation 1

A section of line of approximately 8.1km in length exiting the Dieprivier substation has been diverted to the south of the original alignment. The powerline now crosses the R62 road 1.4km from the Dieprivier substation. The original alignment exited the Dieprivier substation on farm portion 954 and then crossed farm portions 1/357, 4/362, 3/362 and finally RE/362. The amended route also exits the Dieprivier substation on farm portion 954 it then crossed farms portions RE/360, 3/360, 13/362, 3/362, 6/362 and then rejoins the original alignment on farm RE/362. Refer to the maps in Appendix 3.

Deviation 2

A section of line approximately 1km in length entering the Kareedouw substation has been diverted south by a maximum of 13m. The affected section of line is on farm Eerste River 249. Refer to the maps in Appendix 3.

Kareedouw Substation Design Change

Since the environmental authorisation was issued Eskom have revised the design of the substation. The substation footprint has been extended by an additional 5m in a westerly direction. The extension to the substation will occur on farm Eerste River 249. Refer to the maps in Appendix 3.

1.3. Please provide the reasons and/or a motivation for the application for amendment:

One of the landowner agreements which granted Eskom the right to cross a private property has been withdrawn. Eskom has an agreement with a neighbouring landowner to allow the powerline to cross an adjacent piece of land. Specialist studies have been undertaken to assess the difference in impact of the original powerline route and the amended powerline route.

The second deviation is required to correct the alignment of the powerline as it enters the Kareedouw

substation.

The increase in the footprint of the substation is required to cater for the future 132kV bus coupler.

1.4. Should the amendment being requested result due to 4.1 (b) above, you are requested to furnish the Department with a written undertaking that the new holder of the environmental authorisation is willing and able to assume responsibility of the environmental authorisation issued. Provide a short motivation and explanation below:

Not applicable.

5 ENVIRONMENTAL IMPACTS

1.5. Describe any negative environmental impacts that may occur if the application for amendment is granted, amongst others information on any increases in air emissions, waste generation, discharges to water and impacts of the natural or cultural environment must be included.

An assessment of environmental impact of the powerline was undertaken as part of the basic assessment process. Specialist studies were undertaken during the basic assessment process to assess the impact of the proposed powerline on wetlands, avifauna, vegetation and heritage. As part of this amendment application these studies have been revised to compare the approved route with the amended route in terms of environmental impact. The conclusions of the specialist studies are presented below.

Avifauna:

An avifauna assessment report was completed by Indwe Environmental Consulting in 2012 as part of the Basic Assessment Process. Indwe undertook a site visit in August 2016 to review the amended section of the powerline and subsequently issued a report titled 'Dieprivier Kareedouw 132kV Amendment Application for Environmental Authorisation. Avifauna Impact Assessment Amended' a copy of the report is available in Appendix 4A.

Conclusion of Avifauna Impact Assessment Report

The amended powerline will have the same impact significance as the approved line. All the identified negative impacts on avifauna are rated as insignificant or low significance with mitigation. The powerline may proceed if all the mitigation measures proposed in the avifauna impact assessment amended are complied with.

Impact on Avifauna from the Proposed Increase in the Substation Footprint and Route Deviation 2

The avifaunal specialist (Brendon Steytler of Indwe Environmental Consulting) was contacted to determine whether the proposed extension of the substation would result in any additional impacts or change the rating of previously identified impacts. The specialist confirmed that the extension of the substation would not affect the impact assessment ratings presented in the avifauna impact assessment report of 2012. A statement from the avifauna specialist is available in Appendix 5.

Palaeontology:

A palaeontological impact assessment was completed by Dr John Almond in 2013 as part of the Basic Assessment process. The original report consisted of a field study and a desktop analysis. The palaeontological impact assessment was revised in August 2016 to assess the impact of the proposed amended section of the powerline. The amended report is available in Appendix 4B.

Conclusion of the Palaeontological Impact Assessment Report

All identified impacts associated with palaeontological resources were rated as low significance. The amendment to route did not affect the significance of identified impacts. The study concluded that no additional palaeontological studies are required for the project.

Impact on Palaeontological Resources from the Proposed Increase in the Substation Footprint and Route

Deviation 2

The project occurs which the Palaeontologist has classified as low significance. Therefore the increase in the footprint of the substation and the minor second realignment of the powerline will not affect the impact assessment ratings presented in Paleontological Impact Assessment of 2013.

Archaeology:

An archaeological impact assessment was undertaken by eThembeni Cultural Heritage in 2012 as part of the Basic Assessment process. eThembeni was then reappointed in 2016 to assess the proposed of the amendment to the powerline alignment. The amended archaeological impact assessment report is available in Appendix 4C. This report is informed by a site visit and a desktop assessment.

Conclusion of the Archaeological Impact Assessment Report

Impacts related to archaeology are rated as medium significance. The amendment to the route did not affect the significance of identified impacts. The study concluded that no additional archaeological studies are required for the project.

Impact on Archaeological Resources from the Proposed Increase in the Substation Footprint and Route Deviation 2

The Archaeologist (Len van Schalkwyk of eThembeni Cultural Heritage) was contacted to determine whether the proposed extension of the substation would result in any additional impacts or change the rating of previously identified impacts. The specialist confirmed that the extension of the substation would not affect the impact assessment ratings presented in the Archaeological Impact Assessment of 2012. A statement from the Archaeologist is available in Appendix 5.

Ecological Assessment:

An ecological impact assessment focusing on vegetation was undertaken by Jamie Pote in 2012 as part of the Basic Assessment process. Jamie Pote (Engineering Advice and Solutions) was then reappointed in 2016 to assess the proposed of the amendment to the powerline alignment.

Conclusion of the Ecological Impact Assessment Report

All of the negative impacts associated with ecology were rated as low significance post mitigation. A positive impact, clearing of alien vegetation from drainage lines and servitude was rated as a medium significance impact. The amendment to the route did not affect the significance of identified impacts. The report includes a number of recommendations to mitigate negative impacts including undertaking a search and rescue. The amended Ecological Impact Assessment report is available in Appendix 4D.

Impact on Ecology from the Proposed Increase in the Substation Footprint and Route Deviation 2

The ecological specialist (Jamie Pote of Engineering Advice and Solutions) was contacted to determine whether the proposed extension of the substation would result in any additional impacts or change the rating of previously identified impacts. The specialist confirmed that the extension of the substation would not affect the impact assessment ratings presented in the Ecological Impact Assessment of 2012. A statement from the Ecological Specialist is available in Appendix 5.

Wetlands

A wetland impact assessment was undertaken by Schermann Colloty and Associates in 2012. This assessment considered the amended alignment (as shown in Appendix 3). The assessment rated the impact of the alignment as negative with low significance. The wetland impact assessment was submitted as part of the final basic assessment report and also informed the water use license application for the project. The wetland impact assessment was not revised because unlike the other specialist report it assessed the amended route.

Impact on Wetlands from the Proposed Increase in the Substation Footprint

The wetland specialist (Brian Colloty of Scherman Colloty and Associates) was contacted to determine whether the proposed extension of the substation would result in any additional impacts or change the rating of previously identified impacts. The specialist confirmed that the extension of the substation

would not affect the impact assessment ratings presented in the Wetland Impact Assessment of 2012. A statement from the Wetland Specialist is available in Appendix 5.

1.6. Describe any negative environmental impacts that may occur if the application for amendment is **not** granted.

No specific negative environmental impacts would occur if this amendment is not granted. If this amendment is not granted it will delay the construction of the powerline as Eskom will need to find an alternative route. The electricity network in the Humansdorp area is operating close to capacity so the installation of this powerline is required to strengthen the network. Delaying the construction of the powerline may increase the risk of the electricity network being interrupted. The substation extension is required to house the 132kV bus couplers. Without the extension the footprint of the substation will not be large enough to house all of the substation components.

1.7. Describe any positive environmental impacts that may occur if the application for amendment is granted, amongst others information on any reduction in the ecological footprint, air emissions, waste generation and discharges to water must be included.

All of the specialist studies concluded that there is no difference in the significance of impacts between the approved route alignment and the revised alignment. The specialists have also confirmed that the increase in the proposed footprint of the substation will not result in any additional impact or change impact ratings from previous assessments.

6 AUTHORISATION FROM OTHER GOVERNMENT DEPARTMENTS

1.8. Are any permission, licenses or other authorisations required from any other departments before the requested amendments can be effected?	YES	NO X
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If yes, please complete the table below.

Name of department and contact person	Authorisation required	Authorisation applied for (Yes/ No)
N/A		

7 RIGHTS OR INTERESTS OF OTHER PARTIES

In your opinion, will this proposed amendment adversely affect the rights and interests of other parties?	YES	NO X
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The amendment will not adversely affect the rights of interested and affected parties. Deviation 1 to the route alignment was requested by a landowner who no longer wanted the powerline to cross his property. The landowner affected by the amendment to the route has agreed to the powerline crossing their property and signed an agreement with Eskom. The substation extension and Deviation 2 have also been approved the affected landowner.

NOTE: The Department is entitled to request further information if it believes it is necessary for the consideration of the application. If the application is for a substantive amendment or if the rights or interests of other parties are likely to be adversely affected, the Department will instruct the applicant to conduct a public participation process and to conduct any investigations and assessments that it deems necessary.

8 DECLARATION:

I, _____, declare that I will comply with all my legal obligations in terms of this application and provide accurate information to everyone concerned in respect to this application.

9 Signature of the applicant:

Name of company or organisation:

Date:

APPENDIX 1: PROOF OF PAYMENT/ MOTIVATION FOR EXCLUSION

**APPENDIX 2 : CERTIFIED COPY OF ENVIRONMENTAL AUTHORISATION – CERTIFIED COPY
SUBMITTED WITH VERSION 1 OF THE APPLICATION**

APPENDIX 3 : LOCALITY MAPS

APPENDIX 4A : AVIFAUNA IMPACT ASSESSMENT REPORT

APPENDIX 4B : PALAEOLOGICAL IMPACT ASSESSMENT REPORT

APPENDIX 4C : ARCHAEOLOGICAL IMPACT ASSESSMENT REPORT

APPENDIX 4D : VEGEATATION IMPACT ASSESSMENT REPORT




**APPENDIX 5 : SPECIALIST STATEMENTS FOR SUBSTATION FOOTPRINT EXTENSION AND
ROUTE DEVIATION 2**

Document Control and Disclaimer






FORM IP180_B

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	Approved By	Reviewed By	Prepared By
ORIGINAL	NAME M. Olivier	NAME W. Fyvie	NAME K. Parkinson
DATE 18 October 2016	SIGNATURE 	SIGNATURE 	SIGNATURE 

Revision 1

	Approved By	Reviewed By	Prepared By
REVISION	NAME M. Olivier	NAME W. Fyvie	NAME K. Parkinson
DATE 09 December 2016	SIGNATURE 	SIGNATURE 	SIGNATURE 

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- (b) By release of the report to the Third Party, that Third Party does not acquire any rights, contractual or otherwise, whatsoever against GIBB and GIBB, accordingly, assume no duties, liabilities or obligations to that Third Party, and
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