

# **MINUTES OF MEETINGS**

**PROPOSED CONSTRUCTION OF THE  
OLIFANTSHOEK SUBSTATION AND POWER  
LINE, NORTHERN CAPE PROVINCE**

# 132/11KV OLIFANTSHOEK SUBSTATION AND POWER LINE, NORTHERN CAPE PROVINCE

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**NOTES OF THE FOCUS GROUP MEETING HELD WITH  
DEPARTMENT OF WATER AND SANITATION  
MONDAY 12 JUNE 2017  
28 CENTRAL ROAD, BEACONSFIELD, KIMBERLEY**

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**Notes for the Record prepared by:**

**Savannah Environmental (Pty) Ltd**

**Contact:** Ms Gabriele Stein

**Position:** Public Participation and Social Consultant

**E-mail:** gabriele@savannahsa.com

***Please address any comments to Gabriele Stein at the above address***

## **132/11KV OLIFANTSHOEK SUBSTATION AND POWER LINE, NORTHERN CAPE PROVINCE**

**Venue:** 28 Central Road, Beaconsfield, Kimberley

**Date:** Monday 12 June 2017

**Time:** 08:30

### **WELCOME AND INTRODUCTION**

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Gabriele Stein of Savannah Environmental welcomed all in attendance and introduced herself as the public participation and social consultant for the Environmental Basic Assessment process being undertaken for the Olifantshoek Substation and Power Line Project located in the Northern Cape Province.

She noted that the project is being proposed by Eskom SOC Limited and that Savannah Environmental (Pty) Ltd has been appointed as the independent environmental consultancy to undertake the Basic Assessment process for the project. She explained that Eskom intends to establish a new Olifantshoek 10MVA 132kV/11kV substation and a 31km 132kV power line as a means of delivering increased electrification to the Olifantshoek municipal area. The project will consist of the following activities and infrastructure:

- » Construction and operation of the new 10MVA Olifantshoek 132/11kV substation (approximately 100m x 100m) and ancillaries (including a metering station, control building, admin building, workshop and associated infrastructure)
- » The construction of a new 132kV single circuit monopole overhead power line (31km long in a 32m wide servitude) from the new Olifantshoek Substation to the Emil Switching Station, and ancillaries (including access tracks/roads, laydown areas, operational and maintenance facilities).
- » Decommissioning of the existing 22/11kV 2.5MVA Olifantshoek Substation including all site rehabilitation and preservation.

Gabriele Stein thanked the meeting attendees for the opportunity to brief them about the proposed project. She noted that the purpose of the meeting was to introduce the project, and obtain comments on the Basic Assessment Report and project in general. In addition, she requested the Department of Water and Sanitation (DWS) to provide clarity on what water use application would be required for this project.

## MEETING ATTENDEES

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Name	Organisation	Position
Philani Msimango (PM)	Department of Water and Sanitation (DWS)	Acting Manager: Lower Vaal Water Management Area
Lubabalo Ndzimande (LN)	Eskom	Environmental Practitioner: Land Development and Environmental
Lisa Opperman (LO)	Savannah Environmental	Environmental Consultant
Gabriele Stein (GS)	Savannah Environmental	Public Participation and Social Consultant

## APOLOGIES

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None

## BACKGROUND & TECHNICAL ASPECTS REGARDING THE PROPOSED PROJECT

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Lisa Opperman presented the background and introduction to the project and provided an overview of the potential environmental impacts of the project identified in the Basic Assessment Report. She presented the layout map indicating the substation and power line alternatives (please refer to the attached presentation and layout map).

## DISCUSSION SESSION

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Question / Comment	Response
PM: What phase of the EIA process is the project in?	LO: In terms of Sections 24 and 24D of the National Environmental Management Act (No 107 of 1998), as read with the amended EIA Regulations of GN R326, R327 and R324, a Basic Assessment process is being undertaken for the project. The Basic Assessment Report is currently available for review and comment. The deadline for comments is 30 June 2017. The Basic Assessment Report will then be finalised and submitted to the National Department of Environmental Affairs for decision making.
PM: A General Authorisation (GA) will be required for this project in terms of G NR. 509 for water uses defined in Section 21(c) and Section 21(i) of the National Water Act, 1998	LO: An application for a GA will be submitted to DWS once the project is authorised by the DEA. The requirements regarding the supporting






(Act 36 of 1998), if the preferred power line corridor and substation location are authorised. Background information on the project and a copy of the environmental authorisation must be submitted with the GA application form.	documentation has been noted and will be submitted together with the GA application.
PM: Where does Eskom intend on obtaining water from during the construction phase?	LO: Eskom will obtain water from the Gamagara Local Municipality for the construction phase.
PM: Is an agreement regarding the provision of water and services in place between Eskom and the Gamagara Local Municipality? This will need to be submitted as part of the application for a GA.	GS: An agreement regarding the provision of water and services between Eskom and the Gamagara Local Municipality will be submitted with the application for a GA as required.
PM: What factors would influence the DEA's decision should they decide to authorise the alternative power line and substation options.	LO: From a visual perspective the alternative options have less impact on rural homesteads. However, the preferred options have been recommended as preferred as the alternative power line corridor has higher ecological sensitivities than the preferred option and the alternative substation option is located within a drainage line.
PM: When will construction start?	LO: The DEA's decision is expected in November 2017.  LN: Construction will commence once the project is authorised.
PM: It should be noted that the DWS has 30-days to issue the GA.	LN: The GA will be applied for timeously prior to construction to allow the DWS to issue the GA within the regulated timeframe.

## WAY FORWARD AND CLOSURE

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Gabriele Stein stated that Interested and Affected Parties (I&APs) could submit their written comments on the Basic Assessment Report and proposed project to Savannah Environmental by 30 June 2017. She noted that comments received would be included in the final Basic Assessment Report that would be submitted to the Department of Environmental Affairs. She thanked the meeting attendees for availing themselves for the meeting and closed the meeting.

SAVANNAH ENVIRONMENTAL (PTY) LTD		ATTENDANCE REGISTER	
Project	Olifantshoek Substation & Power Line Project, Northern Cape Province	Meeting	Department of Water and Sanitation
Date	Monday 12 June 2017	Venue	28 Central Road, Beaconsfield, Kimberley
	Time		
	08:30		

Organisation	Name & Postal Address	Contact Details	Signature
1	Dept of Water & Sanitation Phatsoa Msimango 28 Central Road Beaconsfield Kimberley	Tel: 083 836 7659 Fax: Cell: 083 571 9981 E-mail: msimango@doh.westerncape.gov.za	
2	ESKOM Designation Lubabalo Ndzimande ESKOM tower, 4 George street.	Tel: 053 830 5703 Fax: Cell: E-mail: ndzimang@eskom.co.za	
3	Savannah Environmental Designation G. Stein	Tel: 011 656 3237 Fax: Cell: 073458 5570 E-mail: gabriela@savannahenv.com	
4	Savannah Environmental Designation L. Opperman	Tel: 011 656 3237 Fax: Cell: 084 920 3111 E-mail: lisa.o@savannahenv.com	
5	Designation	Tel: Fax: Cell: E-mail:	

# 132/11KV OLIFANTSHOEK SUBSTATION AND POWER LINE, NORTHERN CAPE PROVINCE

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**NOTES OF THE FOCUS GROUP MEETING HELD WITH  
JOHN TAOLO GAETSEWE DISTRICT MUNICIPALITY  
MONDAY 12 JUNE 2017  
4 FEDERALE MYNBOU STREET, KURUMAN**

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**Notes for the Record prepared by:**

**Savannah Environmental (Pty) Ltd**

**Contact:** Ms Gabriele Stein

**Position:** Public Participation and Social Consultant

**E-mail:** gabriele@savannahsa.com

***Please address any comments to Gabriele Stein at the above address***

## 132/11KV OLIFANTSHOEK SUBSTATION AND POWER LINE, NORTHERN CAPE PROVINCE

**Venue:** 4 Federale Mynbout Street, Kuruman

**Date:** Monday 12 June 2017

**Time:** 12:30

### WELCOME AND INTRODUCTION

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Gabriele Stein of Savannah Environmental welcomed all in attendance and introduced herself as the public participation and social consultant for the Environmental Basic Assessment process being undertaken for the Olifantshoek Substation and Power Line Project located in the Northern Cape Province.

She noted that the project is being proposed by Eskom SOC Limited and that Savannah Environmental (Pty) Ltd has been appointed as the independent environmental consultancy to undertake the Basic Assessment process for the project. She explained that Eskom intends to establish a new Olifantshoek 10MVA 132kV/11kV substation and a 31km 132kV power line as a means of delivering increased electrification to the Olifantshoek municipal area. The project will consist of the following activities and infrastructure:

- » Construction and operation of the new 10MVA Olifantshoek 132/11kV substation (approximately 100m x 100m) and ancillaries (including a metering station, control building, admin building, workshop and associated infrastructure)
- » The construction of a new 132kV single circuit monopole overhead power line (31km long in a 32m wide servitude) from the new Olifantshoek Substation to the Emil Switching Station, and ancillaries (including access tracks/roads, laydown areas, operational and maintenance facilities).
- » Decommissioning of the existing 22/11kV 2.5MVA Olifantshoek Substation including all site rehabilitation and preservation.

Gabriele Stein thanked the meeting attendees for the opportunity to brief them about the proposed project. She noted that the purpose of the meeting was to introduce the project, and obtain comments on the Basic Assessment Report and project in general.

### MEETING ATTENDEES

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Name	Organisation	Position
Motshabi Molusi (MM)	John Taolo Gaetsewe District Municipality	AMM
Klaas Teise (KT)	John Taolo Gaetsewe District Municipality	Director Planning and Development
Lisa Opperman (LO)	Savannah Environmental	Environmental Consultant

Gabriele Stein (GS)	Savannah Environmental	Public Participation and Social Consultant
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## APOLOGIES

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None

## BACKGROUND & TECHNICAL ASPECTS REGARDING THE PROPOSED PROJECT

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Lisa Opperman presented the background and introduction to the project and provided an overview of the potential environmental impacts of the project identified in the Basic Assessment Report. She presented the layout map indicating the substation and power line alternatives (please refer to the attached presentation and layout map).

## DISCUSSION SESSION

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Question / Comment	Response
MM: How long is the power line?	LO: The proposed power line is approximately 31m in length.
KT: Where will the proposed power line be located?	LO: The majority of the length of the power line will run parallel to the existing Ferrum/Nieuwehoop 400kV and Ferrum/Lewensaar 275kV lines. The proposed power line will go from the new Olifantshoek Substation to the existing Emil Switching Station.
KT: Is this project associated with any Independent Power Producer (IPP) solar projects?	LO: This project is not associated with any IPP projects. Eskom has identified the need to strengthen the electrification network in the area in order to meet the current capacity demands of the greater Olifantshoek area.
MM: Is the project located within the Gamagara Local Municipality?	GS: The project is located within the Gamagara Local Municipality.
MM: Who are the impacted property owners? Are any settlements affected by this project?	LO: The proposed power line corridor traverses privately owned farms and properties owned by Sishen Mine and the Gamagara Local Municipality. No settlements are affected by the project.
KT: What is the next step in the environmental assessment process?	LO: The Basic Assessment Report is currently available for review and comment. The 30-day review period ends on 30 June 2017. The final Basic Assessment Report will be submitted to the Department of Environmental Affairs (DEA) for

	decision making. The DEA's decision is expected within 107 days of submitting the final report.
MM: How far away is the new substation located from the N14? The South African National Roads Agency Limited (SANRAL) will need to be consulted since the power line corridor is located adjacent to the N14.	GS: The substation will be approximately 1km from the N14. SANRAL is registered as an I&AP on the project's database. A copy of the Basic Assessment Report was provided to SANRAL for comment. No comments have been received to date.
MM: Where will the new substation be located?	LO: The preferred substation option is proposed to be located on Erf 155 Olifantshoek which is owned by the Gamagara Local Municipality.

## **WAY FORWARD AND CLOSURE**

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Gabriele Stein stated that Interested and Affected Parties (I&APs) could submit their written comments on the Basic Assessment Report and proposed project to Savannah Environmental by 30 June 2017. She noted that comments received would be included in the final Basic Assessment Report that would be submitted to the Department of Environmental Affairs. She thanked the meeting attendees for availing themselves for the meeting and closed the meeting.

SAVANNAH ENVIRONMENTAL (PTY) LTD		ATTENDANCE REGISTER	
Project	Olifantshoek Substation & Power Line Project, Northern Cape Province	Meeting	John Taolo District Municipality
Date	Monday 12 June 2017	Time	12:20
		Venue	4 Federale Mynbou Street, Kuruman, 8460
1	JOHN TAOLO GABRIELE DM Designation DM	MOTSHABE MOLUSI P O BOX 1480 KURUMAN 8460	Tel: 053 712 8700 Fax: 053 712 2502 Cell: 0845 124 704 E-mail: molusimet@kape.gov.za
2	John Taolo Kuruman DM Designation	Klaas Tense P.O. Box 1480 Kuruman 8460	Tel: 053 712 8700 Fax: 053 712 2502 Cell: 082 712 0363 E-mail: teisek@kape.gov.za
3	Savannah Environmental Designation	G. Stein	Tel: 011 656 3237 Fax: Cell: 083 458 5570 E-mail: gabriele@savannahsa.com
4	PIP Consultants Savannah Environmental Designation EAP	L. Opperman	Tel: 011 656 3237 Fax: Cell: 084 920 5111 E-mail: lisa.o@savannahsa.com
5	Designation		Tel: Fax: Cell: E-mail:

# 132/11KV OLIFANTSHOEK SUBSTATION AND POWER LINE, NORTHERN CAPE PROVINCE

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**NOTES OF THE FOCUS GROUP MEETING HELD WITH  
GAMAGARA LOCAL MUNICIPALITY  
TUESDAY 13 JUNE 2017**

**CIVIC CENTRE, CNR. HENDRICK VAN ECK AND FRIKKIE MEYER ROAD,  
KATHU**

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**Notes for the Record prepared by:**

**Savannah Environmental (Pty) Ltd**

**Contact:** Ms Gabriele Stein

**Position:** Public Participation and Social Consultant

**E-mail:** gabriele@savannahsa.com

***Please address any comments to Gabriele Stein at the above address***



## 132/11KV OLIFANTSHOEK SUBSTATION AND POWER LINE, OLIFANTSHOEK, NORTHERN CAPE PROVINCE

**Venue:** Civic Centre, cnr. Hendrick van Eck and Frikkie Meyer Road, Kathu

**Date:** Tuesday 13 June 2017

**Time:** 14:00

### WELCOME AND INTRODUCTION

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Gabriele Stein of Savannah Environmental welcomed all in attendance and introduced herself as the public participation and social consultant for the Environmental Basic Assessment process being undertaken for the Olifantshoek Substation and Power Line Project located in the Northern Cape Province.

She noted that the project is being proposed by Eskom SOC Limited and that Savannah Environmental (Pty) Ltd has been appointed as the independent environmental consultancy to undertake the Basic Assessment process for the project. She explained that Eskom intends to establish a new Olifantshoek 10MVA 132kV/11kV substation and a 31km 132kV power line as a means of delivering increased electrification to the Olifantshoek municipal area. The project will consist of the following activities and infrastructure:

- » Construction and operation of the new 10MVA Olifantshoek 132/11kV substation (approximately 100m x 100m) and ancillaries (including a metering station, control building, admin building, workshop and associated infrastructure)
- » The construction of a new 132kV single circuit monopole overhead power line (31km long in a 32m wide servitude) from the new Olifantshoek Substation to the Emil Switching Station, and ancillaries (including access tracks/roads, laydown areas, operational and maintenance facilities).
- » Decommissioning of the existing 22/11kV 2.5MVA Olifantshoek Substation including all site rehabilitation and preservation.

Gabriele Stein thanked the meeting attendees for the opportunity to brief them about the proposed project. She noted that the purpose of the meeting was to introduce the project, and obtain comments on the Basic Assessment Report and project in general.

### MEETING ATTENDEES

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Name	Organisation	Position
Kagiso Ositang (KO)	Gamagara Local Municipality	Director: Technical Services
Jerome Bob (JB)	Gamagara Local Municipality	Electrical Engineer: Technical Services
M. Estavao (ME)	Gamagara Local Municipality	Electrical Technician: Technical Services

Lubabalo Ndzimande (LN)	Gamagara Local Municipality	Environmental Practitioner: Land Development and Environmental
Lisa Opperman (LO)	Savannah Environmental	Environmental Consultant
Gabriele Stein (GS)	Savannah Environmental	Public Participation and Social Consultant

## **APOLOGIES**

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None

## **BACKGROUND & TECHNICAL ASPECTS REGARDING THE PROPOSED PROJECT**

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Lisa Opperman presented the background and introduction to the project and provided an overview of the potential environmental impacts of the project identified in the Basic Assessment Report. She presented the layout map indicating the substation and power line alternatives (please refer to the attached presentation and layout map).

## **DISCUSSION SESSION**

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<b>Question / Comment</b>	<b>Response</b>
JB: The new Olifantshoek Substation will be constructed and owned by the Gamagara Local Municipality. Can the Municipality utilise Savannah Environmental's studies for the environmental authorisation required for the substation?	LN: The Municipality will not need to undertake an environmental assessment process for the new Olifantshoek Substation as the listed activities pertaining to the construction of the substation and its ancillaries are being applied for within the current process.
JB: The proposed power line traverses property owned by the Gamagara Local Municipality. Comments from the Municipality's town planning department are required in this regard.	GS: The Gamagara Municipality has been invited to comment on the Basic Assessment Report. A copy of the Basic Assessment Report was submitted to the Municipal Manager at the onset of the 30-day review period (30 May 2017). Savannah Environmental will follow-up with the town planning department as recommended.
JB & KO: We do not support the location of the preferred substation option. The existing municipal substation will not be decommissioned. Cables will need to be installed between the new substation and the existing municipal substation. The distance between the new substation and existing	LO: The Municipality's concern regarding the distance of the preferred substation option and the existing municipal substation is noted. The alternative substation option is located near a drainage line and there are higher biodiversity impacts at this site.


municipal substation is too great. The cost for installing cables such a distance would make the project financially unfeasible. Why can the alternative substation option not be recommended as a preferred option?	
JB: What is the distance between the municipal substation and the preferred substation site option?	LO: The distance between the existing substation and preferred substation site option is approximately 1km.
JB: How far from the N14 will the preferred substation site be located?	LO: It is approximately 72m from the boundary of the substation to the N14.
JB: It is noted that the preferred substation site is located far outside of the sensitive area as depicted on the sensitivity map. What is the appropriate buffer from a sensitive feature for the construction of the substation.	LN: Construction cannot take place within 32m of a sensitive feature. Appropriate buffers have been assigned to the sensitive features as illustrated in the sensitivity map.
JB: Would it be possible to move the preferred substation option site as close to the buffer area as possible?	LO: A new substation site option would need to be assessed by the specialists. The Basic Assessment Report would then need to be updated and put out for an additional 30-day review period as new information is being presented in the report.
JB: When do you expect to receive the DEA's decision?	LO: The review period ends on 30 June 2017. The report will then be finalised and submitted to the DEA for decision making. The DEA's decision is expected in November 2017 if the final Basic Assessment Report is submitted in the beginning of July 2017.
KO: Have any objections been received to date?	GS: An objection was received from Sishen Mine. The affected landowners have also objected to this project.

## WAY FORWARD AND CLOSURE

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Gabriele Stein stated that Interested and Affected Parties (I&APs) could submit their written comments on the Basic Assessment Report and proposed project to Savannah Environmental by 30 June 2017. She noted that comments received would be included in the final Basic Assessment Report that would be submitted to the Department of Environmental Affairs. She thanked the meeting attendees for availing themselves for the meeting and closed the meeting.

SAVANNAH ENVIRONMENTAL (PTY) LTD			ATTENDANCE REGISTER		
Project	Olifantshoek Substation & Power Line Project, Northern Cape Province		Meeting	Gamagara Local Municipality	
Date	Monday 12 June 2017	Tuesday 13 June 2017	Time	14:00	Venue
					Civic Centre, cnr. Hendrick van Eck and Frikkie Meyer Road, Kathu
1	ESKOM Designation	Lubabalo Ndzimande 4. George street Kimberley			Tel: 053 830 5703 Fax: Cell: E-mail: ndzimande@eskom.co.za
2	GAMAGARA LM Designation DIRECTOR	RAGISO OSITANG P.O. Box 1001 KATHU 8446			Tel: 053 723 6000 Fax: 053 723 2021 Cell: 064 757 6853 E-mail: ositang@gamagara.co.za
3	Gamagara LM Designation Elec. Engineer	Jerome Bob P.O. Box 1001 Kathu 8446			Tel: 053 723 6000 Fax: 053 723 2021 Cell: 076 074 3121 E-mail: jerome@gamagara.co.za
4	Elec. Technician Designation	147 Jan Frans Olifantshoek 8150 Welgelyke			Tel: 053 723 6600 Fax: 053 723 2021 Cell: 083 626 1854 E-mail: estavrom@Gamagara.co.za
5	Savannah Environmental Designation	G. Stein			Tel: 011 686 3237 Fax: Cell: 083 458 5370 E-mail: gabriele@savannahsa.com

Organisation	Name & Postal Address	Contact Details	Signature
Swannah Environmental Designation EAP	L Opperman	Tel: 011 656 3237 Fax: Cell: 084 970 3111 E-mail: <a href="mailto:lisa.o@swannahsa.com">lisa.o@swannahsa.com</a>	
Designation		Tel: Fax: Cell: E-mail:	
Designation		Tel: Fax: Cell: E-mail:	
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# 132/11KV OLIFANTSHOEK SUBSTATION AND POWER LINE, NORTHERN CAPE PROVINCE

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**NOTES OF LANDOWNERS FOCUS GROUP MEETING  
HELD ON 13 JUNE 2017  
THE RANCH OVERNIGHT CHALETs, N14 (WEST OF KATHU)**

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**Notes for the Record prepared by:**

**Savannah Environmental (Pty) Ltd**

**Contact:** Ms Gabriele Stein

**Position:** Public Participation and Social Consultant

**E-mail:** gabriele@savannahsa.com

***Please address any comments to Gabriele Stein at the above address***

## 132/11KV OLIFANTSHOEK SUBSTATION AND POWER LINE, NORTHERN CAPE PROVINCE

**Venue:** The Ranch Overnight Chalets, N14 (west of Kathu)

**Date:** 13 June 2017

**Time:** 11:00

### WELCOME AND INTRODUCTION

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Lisa Opperman of Savannah Environmental welcomed all in attendance and introduced herself as the environmental consultant for the Environmental Basic Assessment process being undertaken for the Olifantshoek Substation and Power Line Project located in the Northern Cape Province.

She noted that the project is being proposed by Eskom SOC Limited and that Savannah Environmental (Pty) Ltd has been appointed as the independent environmental consultancy to undertake the Basic Assessment process for the project. She explained that Eskom intends to establish a new Olifantshoek 10MVA 132kV/11kV substation and a 31km 132kV power line as a means of delivering increased electrification to the Olifantshoek municipal area. The project will consist of the following activities and infrastructure:

- » Construction and operation of the new 10MVA Olifantshoek 132/11kV substation (approximately 100m x 100m) and ancillaries (including a metering station, control building, admin building, workshop and associated infrastructure)
- » The construction of a new 132kV single circuit monopole overhead power line (31km long in a 32m wide servitude) from the new Olifantshoek Substation to the Emil Switching Station, and ancillaries (including access tracks/roads, laydown areas, operational and maintenance facilities).
- » Decommissioning of the existing 22/11kV 2.5MVA Olifantshoek Substation including all site rehabilitation and preservation.

Lisa Opperman thanked the meeting attendees for the opportunity to brief them about the proposed project. She noted that the purpose of the meeting was to introduce the project, and obtain comments on the Basic Assessment Report and project in general.

### MEETING ATTENDEES

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Name	Organisation	Position
Gabriele Stein (GS)	Savannah Environmental	Public Participation and Social Consultant
Lisa Opperman (LO)	Savannah Environmental	Environmental Consultant
Toto Seleho (TS)	Eskom	Customer Services Manager
Chris Ngaledzani (CN)	Eskom	Land and Rights Officer

Andreas Victor Cornelius (AVC)	Eskom	Senior Supervisor: Field Services Distribution
Ben Mabizela (BM)	Eskom	Network Planning Engineer
Lubabalo Ndzimande (LN)	Eskom	Environmental Officer
Nqabakazi Yokwana (NY)	Eskom	Substation designer
Bongi Mtshali (BM)	Eskom	Design Engineer
Stefan Cornelissen (SC)	Wright RE/538	Impacted Landowner
Stephanie Magda Cornelissen (SMC)	Wright RE/538	Impacted Landowner
Tops van der Linde (TVDL)	Murray RE/570 & Beaumont RE/569	Impacted Landowner
Annemarie van Zyl (AVZ)	Neylan 4/766	Impacted Landowner
Andrew Christian Olivier (ACO)	Cox 1/571	Impacted Landowner
David Francois Malan (DFM)	Langeberg Stene & Cox 3/571	Impacted Landowner

## APOLOGIES

None

## BACKGROUND & TECHNICAL ASPECTS REGARDING THE PROPOSED PROJECT

Lisa Opperman presented the background and introduction to the project and provided an overview of the potential environmental impacts of the project identified in the Basic Assessment Report. She presented the layout map indicating the substation and power line alternatives (please refer to the attached presentation and layout map).

## DISCUSSION SESSION

### TABLE 1: ISSUES RAISED REGARDING THE DEVELOPMENT OF THE 132/11KV OLIFANTSHOEK SUBSTATION AND POWER LINE

Question / Comment	Response
SMC: The farmers have been impacted by the development of mines in the area. Eskom now proposes to construct power lines in the only areas which have not been impacted by mining activities. What is the reasoning for this proposed development.	AVC: Eskom intends to establish a new Olifantshoek 10MVA 132kV/11kV substation and a 31km 132kV power line as a means of delivering increased electrification to the Olifantshoek municipal area.
SC: We are here for the meeting for this project and we understand that the issues raised will be included in the Basic Assessment	AVC: The contractor and a representative from Eskom's environmental division must undertake a site visit and consult each



<p>Report. However, we have been through this process before and do not believe that our concerns will be taken seriously. The interest of the environment is not being considered. If the studies considered the environment then I would urge the applicant to go to the site and see for themselves how the environment is being negatively affected. Construction companies come to my farm with a permit to destroy Camel Thorn Trees of over 200 years old, just because the construction company thinks the trees will be in the way of the power line. Would you have allowed it if it was your farm? This is not emotion but reality.</p>	<p>landowner regarding which trees should be destroyed or felled.</p>
<p>SC: Have any other alternative power line corridors been considered for this project?</p>	<p>LO: Two power line and substation alternatives have been considered within the Basic Assessment Report. The preferred power line is located west of the Emil Substation while the alternative power line is located east of the Emil Substation. The preferred substation is located on farm Neylan close to the N14. The alternative substation location is located close to the Olifantshoop drainage line.</p> <p><i>Post Meeting Note:</i> Issues raised during the review period of June 2017 led to an additional alternative power line corridor being proposed by the developer. With the inclusion of Alternative C, the report will be made available for public review and comment for a second round of public participation to provide I&amp;APs and Key Stakeholders with the opportunity to provide input on the third alternative. Following the review period, the Basic Assessment Report will be finalised and submitted to the National Department of Environmental Affairs for decision making.</p>
<p>SMC: The farms Bredenkamp RE/567 and Brooks RE/568, which are owned by the Sishen Mine, have been declared as an offset area for a nature reserve. The power line cannot be constructed on these farms.</p>	<p>GS: Comment noted, this will be considered by the applicant and a new power line route alternative may need to be considered.</p> <p><i>Post Meeting Note:</i> The current promulgation process being undertaken on the farms Brooks and Bredenkamp has led to the developer</p>

	<p>identifying an alternative power line corridor which completely avoids the farms Brooks and Bredenkamp (Alternative C) to ensure that the project will not have a detrimental impact on the Provincial Nature Reserve. The presence of the Provincial Nature Reserve has been considered within the Ecology Report (Appendix D1) and it was recommended by the specialist that the area be avoided by the development.</p>
<p>DFM: It is noted that Interested and Affected Parties (I&amp;APs) are required to submit their concerns by 30 June 2017. However, previous experiences with Eskom and their contractors operating within our farms will have an influence on how the Olifantshoek Substation and Power Line project will be received by landowners. I require the additional power that will be distributed by this project as Eskom changed the transformer at Langeberg Stene which reduced my capacity. This has resulted in a situation where my business cannot be upgraded. There is a need for this new substation and power line to be constructed, however, issues emanating from previous Eskom power line construction projects need to be resolved first. Contractors need to be better managed in order to avoid situations where Camel Thorn trees which were marked not to be removed, were in fact removed. This occurred on my property.</p>	<p>The need for the project is noted. Issues emanating from previous Eskom power line projects will be addressed outside of this Basic Assessment process.</p>
<p>SMC: The new substation should rather be constructed on the site where the existing Olifantshoek substation, which is to be decommissioned, is located. The 132kV power line should follow an alternative route along the existing Sishen railway line and existing 22kV power line which has already disturbed the environment.</p> <p>We urge Eskom to consider this option as the servitudes for the existing 275kV and 400kV power lines already have a negative impact on our properties. I do not support the construction of the 132kV power line on my</p>	<p>GS: The alternative recommendations for the substation and power line corridor will be recorded in the Basic Assessment Report. You are within your right to submit your objections in writing by 30 June 2017. An alternative power line corridor may need to be considered by Eskom. All issues and concerns raised will be considered within the Basic Assessment Report and also considered by Eskom and the Department of Environmental Affairs.</p>

<p>property. My rights and concerns need to be considered through this process and it must be noted that we are not in a position to take this to court.</p>	
<p>AVZ: Would it be possible to upgrade the existing 22kV power line which supplies electricity to Olifantshoek, instead of constructing a new one?</p>	<p>AVC: Eskom cannot upgrade the 22kV power line as this line supplies electricity to the farmers and the proposed 132kV power line will supply electricity to the town of Olifantshoek. The proposed power line will be located within an existing corridor which has already been disturbed and is considered to be the option with the least environmental impact. If the proposed route is to follow the existing 22kV power line it will have large cost implications for the development as it will be longer which will in turn result in capacity loss.</p> <p>TS: The development of the proposed power line will strengthen the supply of electricity to the farmers on the 22kV power line as the town will only feed off of the proposed 132kV power line in future.</p>
<p>SMC: Eskom is concerned about money and not the environment. The alternatives considered are insufficient. The proposed corridor was selected because of its location in relation to the existing power line corridors. I do not believe that alternatives were adequately assessed through this process.</p>	<p>Comment noted.</p> <p><i>Post Meeting Note:</i> Issues raised during the review period of June 2017 led to an additional alternative power line corridor being proposed by the developer. With the inclusion of Alternative C, the corridor will avoid the farms Brooks and Bredenkamp which is considered to be properties of environmental sensitivity and is in the process of being promulgated as a Provincial Nature Reserve.</p>
<p>AVZ: Landowners have raised their issues regarding their experiences on previous power line construction projects at this meeting. We expect these issues to be recorded in the minutes and we want to receive valuable feedback from Eskom prior to 30 June 2017.</p> <p>Landowners will only submit comments on this process once Eskom provides feedback on the issues experienced on other projects. I therefore request an extension of the review period from 30 June 2017 to 30 July 2017.</p>	<p>The request for an extension of the comment period for the Basic Assessment Report is noted.</p>

<p>ACO: My main issue is the removal of trees without prior consultation with the landowner.</p>	<p>LN: The contractor is required to consult with the landowners prior to the removal of trees and construction commencing.</p>
<p>AVZ: Farmers need to know who to contact at Eskom and at the appointed contractor in order to raise their concerns and issues.</p>	<p>LO: Grievance procedures are outlined in the Environmental Management Programme (EMPr). An independent Environmental Control Officer (ECO) is required to be appointed and landowners are required to contact the ECO to implement grievance procedures. Landowners are encouraged to review the EMPr and provide comment thereon.</p> <p>CM: Eskom has had success in meeting with farmers forums on other projects. It would be valuable if Eskom could attend the local farmers forum so that any issues experienced by landowners can be recorded and attended to. These meetings take place on either a monthly or quarterly basis and feedback on previous issues is provided by Eskom. In addition, farmers are provided with an opportunity to raise any new issues and concerns. Eskom must be informed of these issues in order to resolve them.</p>
<p>AVZ: A representative from Eskom must accompany the contractors to ensure compliance. We would prefer it if an Eskom representative be responsible for our gate keys instead of the contractors. Most of the issues lie with the contractors and Eskom must manage the contractors effectively. Currently, landowners see Eskom as a threat.</p>	<p>LN: An Eskom representative is required to introduce the contractor to the landowner. Eskom will investigate ways in which this can be better managed. However, Eskom does not always have the capacity or resources to visit every farmer where construction projects take place.</p> <p>GS: Eskom and the contractor are required to meet with the landowner prior to work commencing on the farms. The farmers need to understand who will be working within their properties and what type of work will be undertaken. Eskom needs to identify a point of contact where issues and concerns can be lodged if no feedback is provided by the contractor.</p> <p>AVC: I am the Senior Supervisor: Field Services Distribution in the region. Landowners are welcome to contact me in the interim. My contact details are as follows:</p>

	<ul style="list-style-type: none"> <li>» Tel: 053-723-6916 / 053-723-6906</li> <li>» Cell: 083-789-0770</li> <li>» Email: andrevc@eskom.co.za</li> </ul>
ACO: How far will the power line be located from the N14?	LN: This cannot be confirmed at this stage as the power line route has not been finalised. A 300m corridor is being assessed at this stage. The servitudes for the power line have not been negotiated as yet.

**TABLE 2: ISSUES RAISED REGARDING OTHER ESKOM PROCESSES PREVIOUSLY UNDERTAKEN IN THE AREA**

Question / Comment	Response
AVZ: Eskom does not seem to want to accept accountability for the issues experienced by farmers with their previous and current developments.	<p>AVC: The majority of the issues raised at today's meeting do not pertain to the Olifantshoek Substation and Power Line Project, instead they relate to previous Eskom developments which have been undertaken in the region.</p> <p>Eskom acknowledges the need to address these issues. Internal meetings with the relevant Eskom divisions, specifically the transmission division, will be undertaken to address these historical issues with the community.</p>
SMC: The issues are not only with the transmission division, but also with distribution. The gates are left open on the distribution lines. We have been through this process recently. Thirty requirements and conditions stipulated for the construction were not adhered to. Therefore, we will not allow this to happen again.	Comment noted. The issues raised by the landowners will be addressed by Eskom outside of this Basic Assessment process.
SMC: Promises are made in meetings regarding what will be undertaken as part of the process which is then not implemented, without any consequences. We as landowners have no rights once the servitude has been signed. The landowners are not protected or considered through the EIA process.	<p>GS: I&amp;APs are provided with an opportunity to raise their issues, concerns and objections during the EIA process. A 30-day review period is provided for I&amp;APs to submit comments on the Basic Assessment Report. All issues and concerns raised are recorded and included in the final Basic Assessment Report which is submitted to the Department of Environmental Affairs for decision making. I&amp;APs are provided with a further opportunity to appeal the competent authority's decision.</p> <p>AVC: There should be consultation with the landowners prior to the issuing of a permit so</p>

	that input can be provided. Once the permit is issued the contractor needs to complete the task order within a specified timeframe, so landowners' concerns must be taken into consideration prior to the issuing of the permit. The process needs to be adapted to consider consultation with the landowners.
SMC: The contractors enter the farm without any introduction and undertake the clearance activities without us having seen the permit first, which is not acceptable. The permit stated that there must be an agreement between the landowner and contractor regarding the areas of vegetation to be removed and the plants to be trimmed. Eskom has no leverage on the contractor and consequences are not applied when non-compliance to the requirements take place. We want Eskom to consult us prior to the contractor being granted access to the farm.	LN: When a contractor is issued with a permit the conditions of the permit states that the contractor must consult with the landowner.
SC: I have evidence that the contractor destroyed trees which were marked to be retained. Why would the landowners allow a new power line to be constructed if this is how we are treated? This incident has been reported to Mr. Wimpie Henning. The contractors respond that it will not happen again. No one was held accountable for this.	GS: Landowners are advised to follow the grievance mechanisms as described in the EMPr. This information is reported to the DEA by the ECO.
SMC: Eskom's contractors just come and go on my farm without reporting to the landowner first.	Comment noted. Issues pertaining to the management and communications protocols between Eskom, contractors and landowners will be addressed outside of this Basic Assessment process.
SC: Contractors have a portable toilet that does not get used by the workers. The workers utilize the natural veld instead of the ablution facilities provided.	Comment noted. These issues will be addressed by Eskom outside of this Basic Assessment process.
AVZ: We as landowners must report the issues and if no feedback is provided then we must lock our gates so that access is not possible for Eskom or the contractors.	Comment noted.
ACO: An entire bus of construction workers arrived at my farm at 15:00 on a Saturday. They provided identification but how can I trust	LN: When contractors come to your property to undertake work, they are required to introduce themselves and provide their identity cards and

<p>that these contractors were appointed by Eskom, especially since no notification was provided beforehand. The construction workers stayed till after sunset which is unacceptable.</p>	<p>permit which includes specific conditions. If there is a sense that the conditions are not being met by the contractors then landowners have a right to stop them. Farmers must take photographs or provide Eskom with a number plate so that responses to non-compliance can be attended too quickly. The contractor is supposed to discuss the specific conditions with landowners. If the contractors do not comply then they are in breach of their contract.</p>
<p>AVZ: Issues previously experienced by the landowners through the development of power lines need to be addressed first before the proposed power line project can continue.</p>	<p>Comment noted.</p>
<p>BM: All complaints and issues mentioned should be submitted to Eskom in writing. Eskom follows a rehabilitation process, which rehabilitates areas affected even after the construction has already been completed.</p>	<p>Comment noted.</p>

## **WAY FORWARD AND CLOSURE**


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It is noted that the impacted landowners requested an extension to submit their comments on the Olifantshoek Substation and Power Line Basic Assessment Report until 31 July 2017. Further it is acknowledged that landowners require feedback from Eskom on issues pertaining to the construction of the 400kV power line and previous projects prior to submitting comments on this project.

As a way forward, it was suggested that a meeting be convened with Eskom's transmission section and the landowners in order to provide responses to the concerns and issues raised by the landowners. In addition, it was recommended that Eskom convene one-on-one meetings with the impacted landowners to address any further issues or concerns regarding previous projects undertaken in the area. This consultation is to be undertaken outside of this Basic Assessment process.


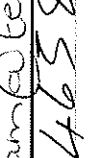
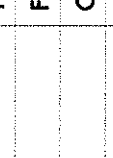
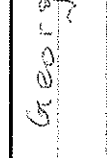

Lisa Opperman thanked the meeting attendees for the inputs provided and closed the meeting.



SAVANNAH ENVIRONMENTAL (PTY) LTD		ATTENDANCE REGISTER	
Project	Olifantshoek Substation & Power Line Project, Northern Cape Province	Meeting	Landowners Focus Group Meeting
Date	Tuesday 13 June 2017	Time	11:00
		Venue	The Ranch Overnight Chalets, N14 (west of Kathu)

Organisation	Name & Postal Address	Contact Details	Signature
1 Eskom Distr. Designation (S - Manager) Eskom Boer	Toto Seleho 6 George Street Hydrofey Kimberley 8301	Tel: 053- 830 5799 Fax: 086 66 53942 Cell: 082 332 5849 E-mail: seleho@eskom.co.za	
2 Designation Boer	Wynne Coetzee Wynne Coetzee Geel	Tel: 076 050 7777 Fax: Cell:	
3 Designation Boer	Wynne Coetzee Geel	E-mail: wynne@polar.co.za Tel: 082 902 4627 Fax: Cell: E-mail:	
4 Eskom Distr. Designation Boer	Chris Mydale 4 Soerger Street	Tel: 083 830 5841 Fax: Cell: 083 347 5537 E-mail:	
5 Designation Boer	Tops Passus 96 KATHU 8446	Tel: 0537332173 Fax: Cell: 0823378722 E-mail: tops ucl@lantic.net	

2



Organisation	Name & Postal Address	Contact Details	Signature
Boer. Designation	Anna Maria van Zyl	Tel: 0834174899 Fax: Cell: 0834174899 E-mail: annam@telkomsa.net	
Boer. Designation	A.C. OLIVIER	Tel: 0824658854 Fax: Cell: E-mail:	
Business Designation	LANGEBERG STONE MALA LODGE	Tel: Fax: Cell: 0828078878 E-mail:	
Eskom KATHU Designation	Eskom KATHU, SASPI'S STREET Victor	Tel: 0827890940. Fax: 053 703 2172. Cell: E-mail: andrew@estom.co.za	
Eskom Designation	4 George Street	Tel: 073 7080 179 Fax: Cell: 073 7080 179 E-mail: mabizeby@estom.co.za	
Eskom KBY Designation	4. George street Kimberley CBD	Tel: 053 830 5703 Fax: Cell: 0833630010 E-mail: ndzima@estom.co.za	
Environmental			

Organisation	Name & Postal Address	Contact Details	Signature
Savannah Environmental	L. Opperman	Tel: 011 656 3237 Fax: Cell: 084 920 3111 E-mail: lisa.o@savannahsa.com	
EAP			
Savannah Environmental	G. Stein	Tel: 011 656 3237 Fax: Cell: 083 658 5570 E-mail: gabriele@savannahsa.com	
PIP + Social Consultant			
Designation			
Designation			
Designation			
Designation			
Designation			
Designation			

# 132/11KV OLIFANTSHOEK SUBSTATION AND POWER LINE, NORTHERN CAPE PROVINCE

Focus Group Meetings  
12 - 13 June 2017

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environmental

1. Welcome and introduction
2. Purpose of the meeting
3. Project overview
4. EIA process & findings of the specialist studies
5. Way forward
6. Discussion session

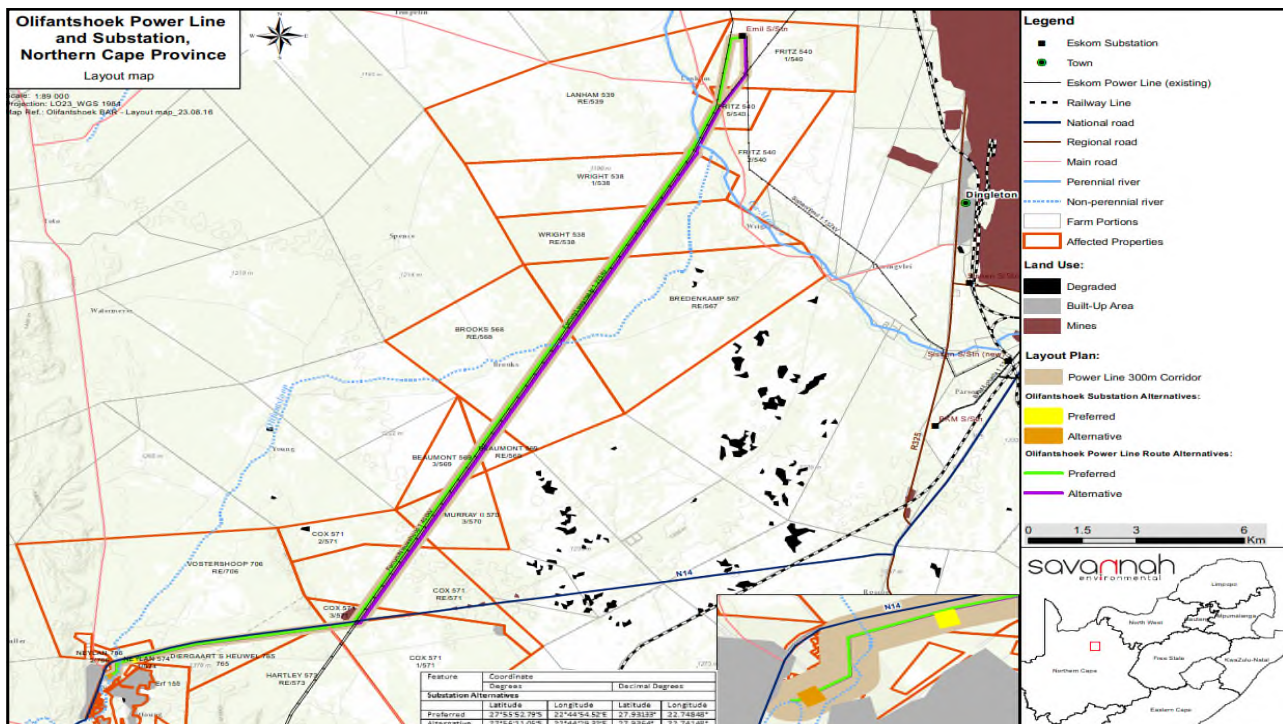
savannah  
environmental

## PURPOSE OF THE MEETING

- Provide an overview of the proposed 132/11kV Olifantshoek substation and power line
- Provide a summary of the findings of the Basic Assessment (BA)
- Provide an opportunity for I&APs to discuss the findings and obtain clarity of possible issues associated with the BA, and raise any comments and concerns
- Record alternative suggestions or recommendations on the power line corridor route and substation locations
- Record comments for inclusion into the final BA report

## PROJECT OVERVIEW

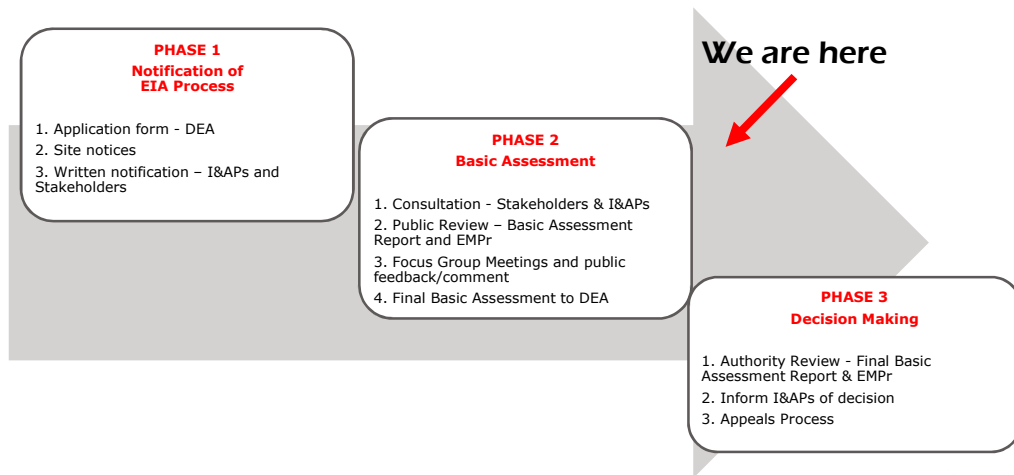
- **Applicant** – Eskom Holdings SOC Limited
- **Project Proposal** – The development of a new 132/11kV substation, a new 31km 132kV single circuit overhead power line and the decommissioning of the existing 22/11kV Olifantshoek substation
- **Location** – between the existing Emil Substation and Olifantshoek in the Gamagara Local Municipality and the greater John Taolo Gaetsewe District Municipality
- **Need and desirability** – upgrade of grid network in the area to increase capacity



## LEGAL BACKGROUND

- National Environmental Management Act (No 107 of 1998)
  - Overarching environmental legislation in South Africa
  - Specifies the requirements for the EIA process
- Application for Authorisation
- Competent Authority - National Department of Environmental Affairs
- Commenting Authority – Northern Cape Department of Environment and Nature Conservation
- Independent environmental studies must be undertaken in accordance with the EIA Regulations

# EIA PROCESS & PUBLIC INVOLVEMENT



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## PROJECT DESCRIPTION

- The proposed project will consist of the following activities and associated infrastructure:
  - New 10MVA Olifantshoek 132/11kV substation and ancillaries
  - New 132kV single circuit overhead power line from the new Olifantshoek Substation to the Emil Switching Station, and ancillaries.
  - Decommissioning of the existing 22/11kV 2.5MVA Olifantshoek Substation including site rehabilitation and preservation

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# PROJECT ALTERNATIVES

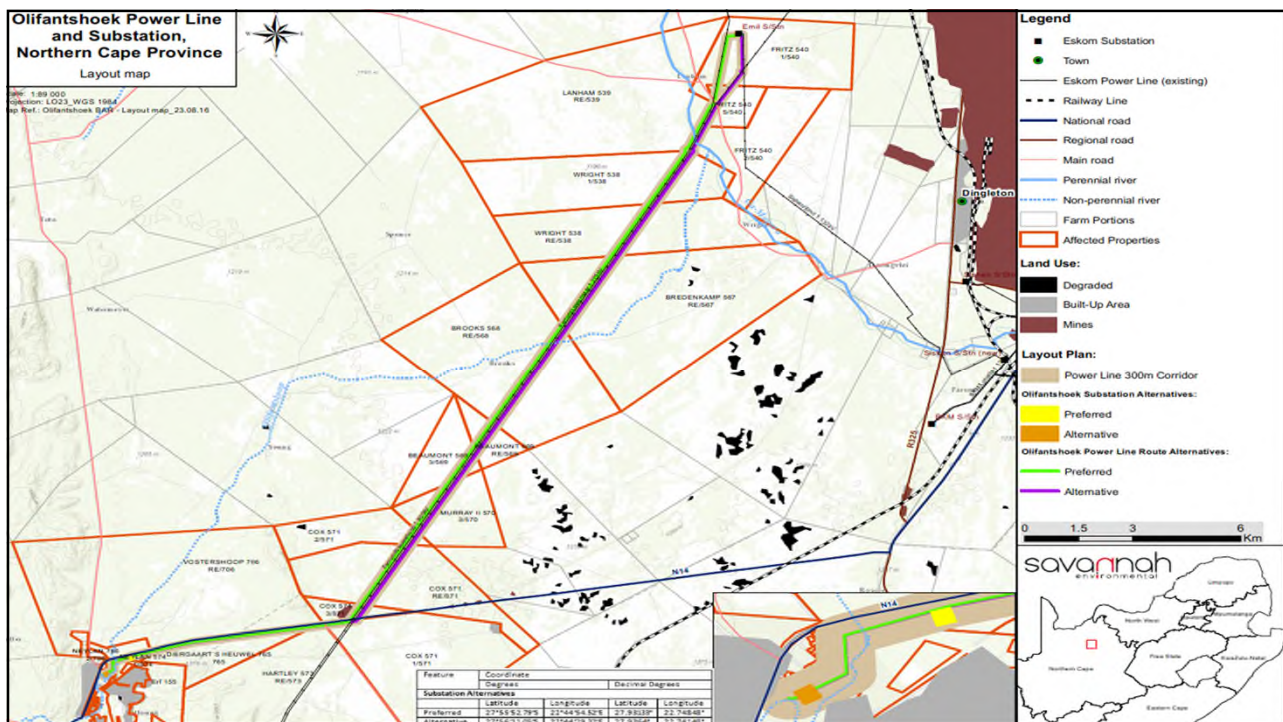
Power Line Route Alternatives:

- Preferred – west of Emil Substation
- Alternative – east of Emil Substation

Substation Alternatives:

- Preferred – close to N14
- Alternative – close to Olifantshoop drainage line

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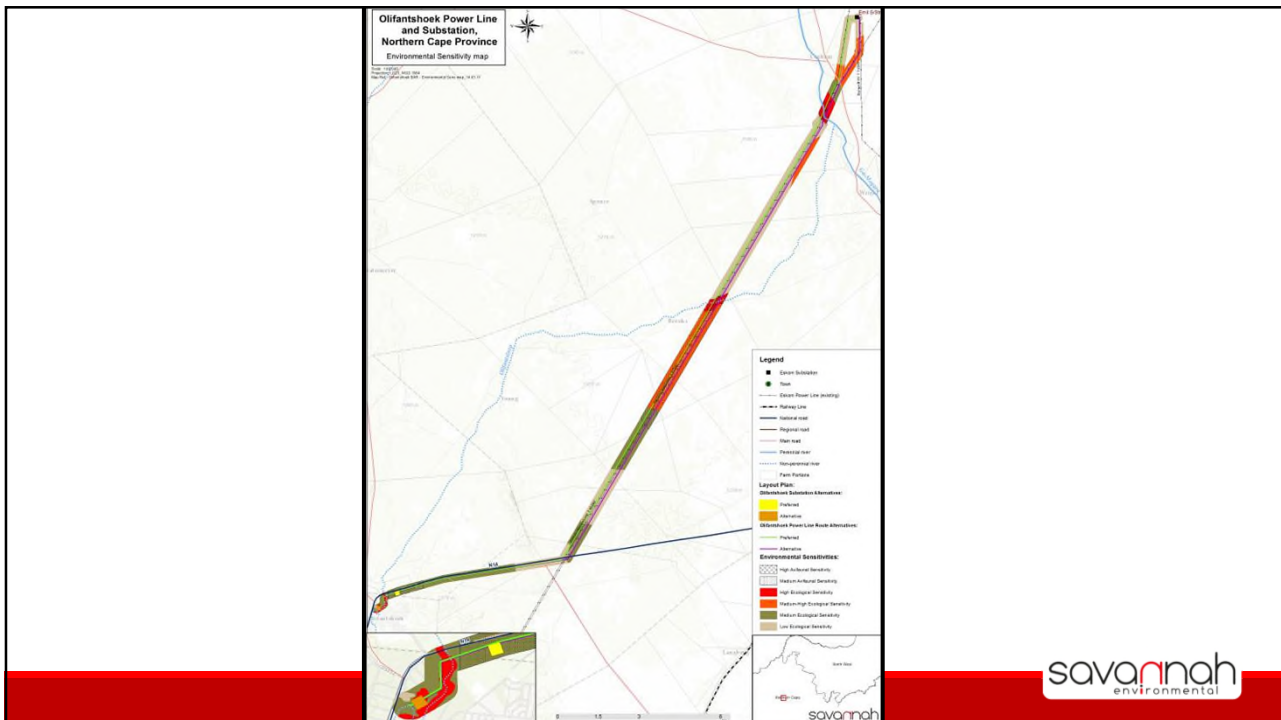
## ENVIRONMENTAL IMPACTS

- Ecological impacts:
  - Drainage lines and Acacia erioloba (Camel Thorn Trees); proper planning of pylons
  - Local extent and low significance
  - No impact of high significance
- Visual impacts:
  - Rural homesteads
  - Alternative power line route is preferred, minimised impact
  - Screen planting

## ENVIRONMENTAL IMPACTS

- Avifaunal impacts:
  - Small variation between micro-habitats
  - Uniformity of broad and local vegetation
  - Low impact
- Hydrological impacts:
  - Watercourses and depression wetlands
  - Crossings
  - No significant impacts





## CONCLUSION

- No environmental fatal flaws were identified
- Impacts can be mitigated or enhanced through implementation of EMP
- Preferred power line and substation options to be implemented
- Benefits of the project expected to outweigh negative impacts
- Project can be authorised with recommended conditions

## WAY FORWARD

- Basic Assessment Report available for public review from 30 May 2017 – 30 June 2017
- Final Basic Assessment Report to be submitted to DEA – July 2017 (incl. all comments and issues raised during the review period)
- Registered parties to be notified of the DEA decision
- Appeals process

## WHO TO CONTACT

**Savannah Environmental (Pty) Ltd**

**Gabriele Stein**

**PO Box 148, Sunninghill, 2157**

**Tel: 011 656 3237**

**Fax: 086 684 0547**

**Email: [gabriele@savannahsa.com](mailto:gabriele@savannahsa.com)**

**[www.savannahSA.com](http://www.savannahSA.com)**

# 132/11KV OLIFANTSHOEK POWER LINE AND SUBSTATION, NORTHERN CAPE PROVINCE

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**NOTES OF LANDOWNERS FOCUS GROUP MEETING  
HELD ON 11 OCTOBER 2017  
THE RANCH OVERNIGHT CHALETs, N14 (WEST OF KATHU)**

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**Notes for the Record prepared by:**

**Savannah Environmental (Pty) Ltd**

**Contact:** Ms Gabriele Stein

**Position:** Public Participation and Social Consultant

**E-mail:** gabriele@savannahsa.com

***Please address any comments to Gabriele Stein at the above address***

## **132/11KV OLIFANTSHOEK SUBSTATION AND POWER LINE, NORTHERN CAPE PROVINCE**

**Venue:** The Ranch Overnight Chalets, N14 (west of Kathu)

**Date:** 11 October 2017

**Time:** 09:30

### **WELCOME AND INTRODUCTION**

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Lisa Opperman of Savannah Environmental welcomed all in attendance and introduced herself as the environmental consultant for the Environmental Basic Assessment process being undertaken for the Olifantshoek Substation and Power Line Project located in the Northern Cape Province.

She noted that the project is being proposed by Eskom SOC Limited and that Savannah Environmental (Pty) Ltd has been appointed as the independent environmental consultancy to undertake the Basic Assessment process for the project. She explained that Eskom intends to establish a new Olifantshoek 10MVA 132kV/11kV substation and a 132kV power line as a means of delivering increased electrification to the Olifantshoek municipal area. The project will consist of the following activities and infrastructure:

- » The construction of a new 132kV single circuit monopole overhead power line (up to 35km long in a 32m wide servitude) from the new Olifantshoek Substation to the Emil Switching Station, and ancillaries (including access tracks/roads, laydown areas, operational and maintenance facilities).
- » Construction and operation of the new 10MVA Olifantshoek 132/11kV substation (approximately 100m x 100m) and ancillaries (including a metering station, control building, admin building, workshop and associated infrastructure)
- » Decommissioning of the existing 22/11kV 2.5MVA Olifantshoek Substation including all site rehabilitation and preservation.

Lisa Opperman noted that following the public participation process undertaken in June 2017 significant issues were raised by the affected landowners and the Department of Agriculture, Forestry and Fisheries which indicated a strong need to assess an additional power line corridor alternative to the two already proposed alternatives due to issues mainly relating to the presence of protected trees and two of the affected properties (Farms Brooks and Bredenkamp) being declared as a Private Nature Reserve in terms of Section 23(1)(a)(ii) of NEMPA. The presence of the Private Nature Reserve crossed by the proposed power line alternative corridors, which includes two of the affected properties for the proposed power line is considered as a fatal flaw by the Department of Agriculture, Forestry and Fisheries. In addition, it was determined that the new Olifantshoek Substation would be constructed by the Municipality, thereby requiring a separate Environmental Authorisation to that of the power line. A separate application in this regard will therefore be submitted.

Lisa Opperman thanked the meeting attendees for the opportunity to brief them about the proposed project. She noted that the purpose of the meeting was to introduce the project, and obtain comments on the updated Basic Assessment Report and project in general.

## MEETING ATTENDEES

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Name	Organisation	Position
J.L Mostert (JM)	Farm Neylan	Impacted Landowner
J.A van der Linde (JvdL)	Murray Boerdery	Impacted Landowner
S Mukhawane (SM)	Eskom	Design Engineer – Distribution
S Matjila (SM)	Eskom	Sector Manger – Distribution
VS Visser (VV)	Eskom	Customer Relations – Transmission
M Coezee (MC)	Eskom	Customer Relations
L Ndzimande (LN)	Eskom	Environmental Manager
N Mdunyelwa (NM)	Eskom	Land and Rights Officer
A Tahoe (AT)	Eskom	Manager Electrical Planning
L Opperman (LO)	Savannah Environmental	Environmental Consultant
G Stein (GS)	Savannah Environmental	Public Participation Consultant

## APOLOGIES

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None

## BACKGROUND & TECHNICAL ASPECTS REGARDING THE PROPOSED PROJECT

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Lisa Opperman presented the background and introduction to the project and provided an overview of the potential environmental impacts of the project identified in the updated Basic Assessment Report. In addition, she presented the layout map indicating the substation and power line alternatives (please refer to the attached presentation and layout map).

## DISCUSSION SESSION

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Question / Comment	Response
JvdL: Will the existing 11kV power line be decommissioned once this proposed power line is constructed?	LN: The existing 11kV power line will remain in service as it supplies electricity to the farms surrounding Olifantshoek.
JM: Who is responsible for managing the contractor?	LN: Eskom is responsible for managing the contractors. Eskom will convene a stakeholder

	introductory meeting prior to the commencement of construction where the landowners will be introduced to the contractor and Eskom's point of contact.
JM: Who can landowners engage with regarding any problems or concerns regarding the contractors?	LN: Landowners are required to liaise with the relevant Eskom representatives. A contact list will be provided to landowners at the stakeholder introductory meeting.
NM: What is the process following the conclusion of the public review period? How long does the Department of Environmental Affairs have to issue their decision?	LO: All issues raised during the public review period will be collated into a Comments and Responses Report and key issues raised will be considered within the final Basic Assessment Report. The DEA have 107 days to issue a decision from the date that the final Basic Assessment Report is submitted to them.
NM: The condition stating that vegetation should not be trimmed lower than 0.5 m within the EMPr is not technically feasible during construction and may pose a safety risk during the operation and maintenance of the powerline.	LO: The recommendation to include this as a mitigation measure in the EMPr was made by the Ecologist. In addition, the Department of Agriculture, Forestry and Fisheries (DAFF) recommended that this be included as a special condition in the EA.






## WAY FORWARD AND CLOSURE

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As a way forward, Lisa Opperman noted that I&APs had until 17 October 2017 to submit comments on the updated Basic Assessment Report for the proposed Olifantshoek Power Line project. Further, she noted that the updated Basic Assessment report for the substation project would be made available for review in due course. Lisa Opperman thanked the meeting attendees for the inputs provided and closed the meeting.




SAVANNAH ENVIRONMENTAL (PTY) LTD		ATTENDANCE REGISTER	
Project	Olifantshoek 132kV/11kV Power Line and Substation Project, Northern Cape Province	Meeting	Landowner Focus Group Meeting
Date	11 October 2017	Time	09:30
		Venue	The Ranch Overnight Chalets (Eerste Begin Boerdery) On the N14 west of Kathu, Northern Cape

Organisation	Name & Postal Address	Contact Details	Signature
1 Estkom DX Designation	Sydney Muckhewane. P.O. Box 606. Kimberley 8301.	Tel: 053 8305948 Fax: Cell: 082 4792092 E-mail: Sydney.muckhewane@estkom.co.za	
2 Designation Eskom DX Sector manager	Sello Matjila 18 Industrial RD Upington 8801	Tel: 054 337 4938 Fax: Cell: 072 3970 619 E-mail: matjilsb@estkom.co.za	
3 Designation Site Manager ESKOM TX	174 The center 45 Heptane Drive Olymus AH Prebora, 0081 5 PRESIDENTSTEIN UPINGTON	Tel: Fax: Cell: 076 222 0739 E-mail: eric.makabane@horcon.co.za	
4 Designation Customer & Relations M Coenrae	Dikepho, Postmasburg	Tel: Fax: Cell: 0842490930 E-mail: visser.us@estkom.co.za	
5 Designation Customer / STEVEN		Tel: 053 3131201 Fax: Cell: 0825713006 E-mail: coetsee.nel@estkom.co.za	



Organisation	Name & Postal Address	Contact Details	Signature
J.L. Masternk.	NEWLAN. OLIFANTSHOEK.	Tel: Fax: Cell: 078 469 8587. E-mail: JLMosternk1@gmail.com.	
Designation CUSTOMER/OWNER.			
J.A. v.d. Linde	J.A. v.d. LINDE (NURRY BREEZE) POSBOS 96 KATHTU 8446	Tel: Fax: Cell: 082 337 8732 E-mail: topsud@atlantic.net.	
Designation OWNER			
L. Ndumandla	Ubabalo Ndumandla No. 4 George st. KIMBERLEY 8301	Tel: 053 830 5703 Fax: Cell: E-mail: ndzumal@eskom.co.za	
Designation ENVIRONMENT			
Nomzamo Mduyeliwa	Nomzamo Mduyeliwa NO 4 GEORGE STR. KIMBERLEY 8301	Tel: 053 830 5747 Fax: Cell: E-mail: mduyeliwa@eskom.co.za.	
Designation Land & Rights officer			
MANAGER ELEV PLANNING	AMANDA TAHO 4 GEORGE STREET KIMBERLEY 8301	Tel: Fax: Cell: E-mail:	
Designation			
Sacamah Environmental	G. SKIN	Tel: 011 656 3237 Fax: Cell: E-mail: gabrielle@sacamah.co.za	
Designation			



Organisation	Name & Postal Address	Contact Details	Signature
Savannah Environmental	Lisa Opperman	Tel: 011 - 656 - 3237	
Designation EAP		Fax: Cell: E-mail: <a href="mailto:lisa.o@savannahsa.com">lisa.o@savannahsa.com</a>	
Designation		Tel: Fax: Cell: E-mail:	
Designation		Tel: Fax: Cell: E-mail:	
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# 132/11KV OLIFANTSHOEK SUBSTATION AND POWER LINE, NORTHERN CAPE PROVINCE

Focus Group Meeting  
11 October 2017

savannah  
environmental

## AGENDA

1. Welcome and introduction
2. Conduct of the meeting
3. Purpose of the meeting
4. Project overview
5. EIA process & findings of the specialist studies
6. Way forward
7. Discussion session

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## CONDUCT OF THE MEETING

- Meeting will be held in Afrikaans and English
- The meeting will be recorded for minute taking purposes
- Please hold all questions till after the presentation
- Please switch off all cell phones for the duration of the meeting

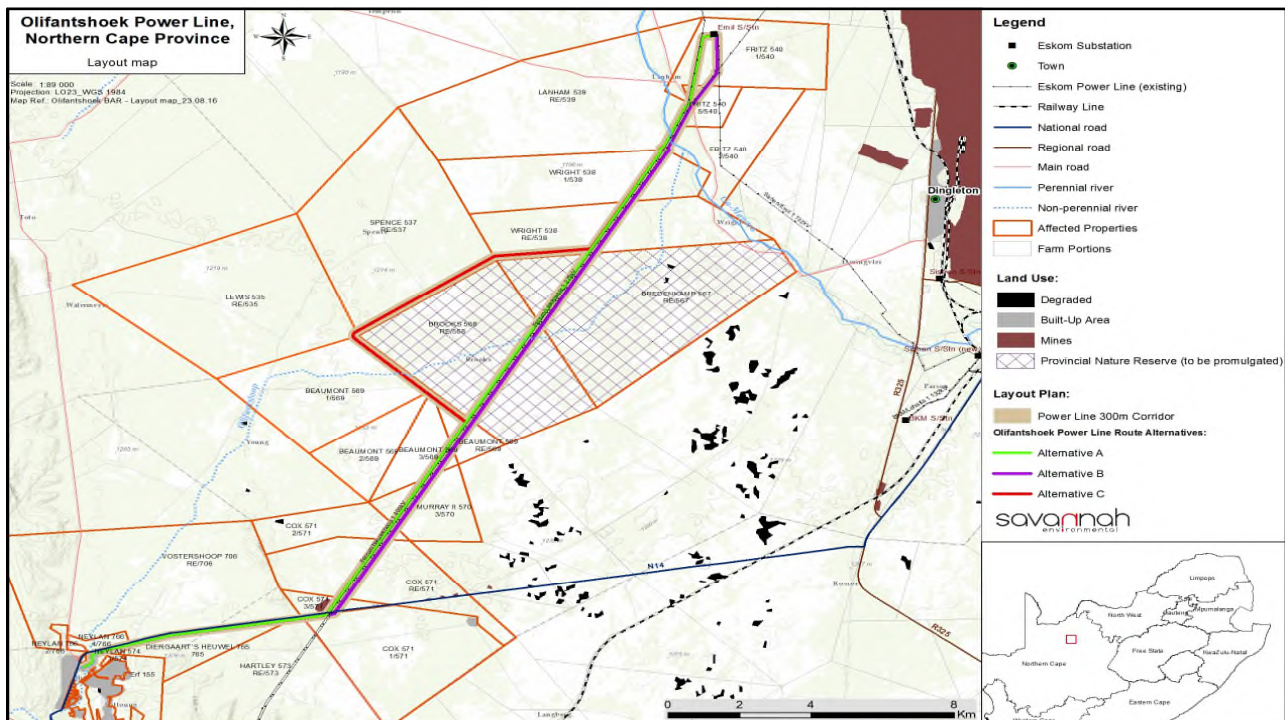
## PURPOSE OF THE MEETING

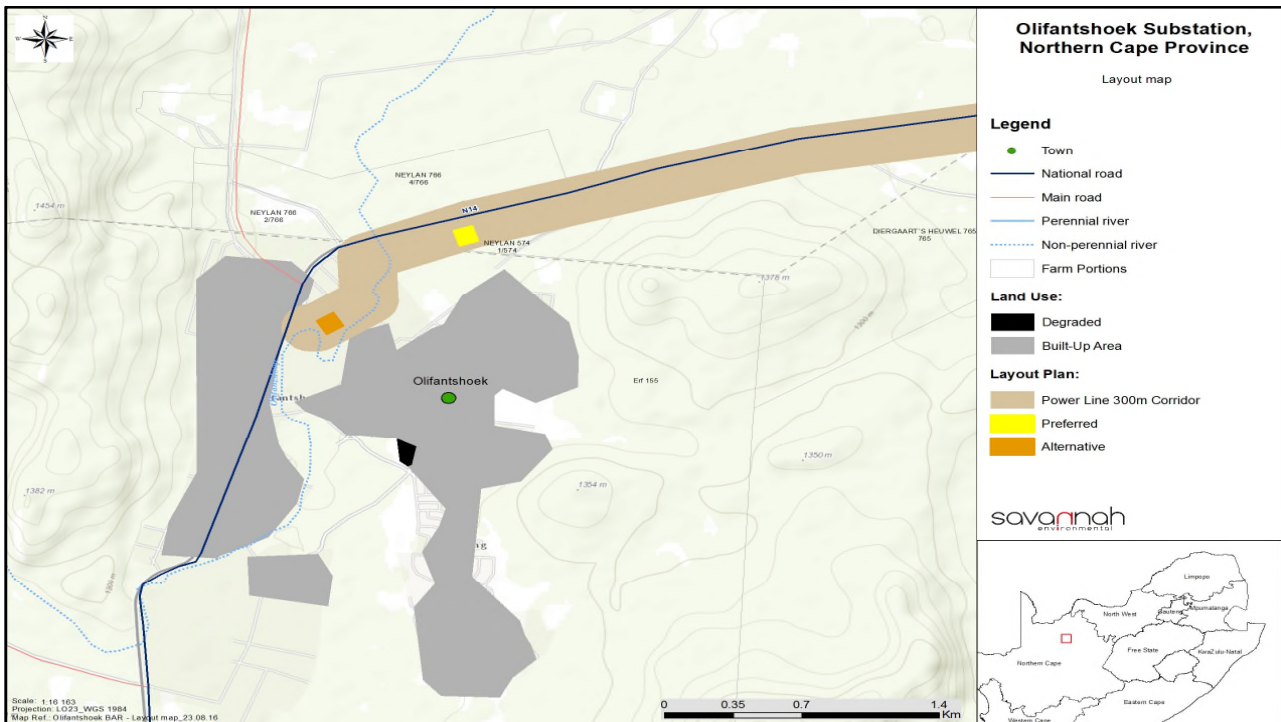
- Provide an update and overview of the proposed 132/11kV Olifantshoek substation and power line project
- Provide a summary of the findings of the Basic Assessment (BA)
- Provide an opportunity for I&APs to discuss the findings and obtain clarity of possible issues associated with the BA, and raise any comments and concerns
- Record suggestions or recommendations on the power line corridor route and substation locations
- Record comments for inclusion into the final BA report

# PROJECT OVERVIEW

- **Background** – Applications for power line and substation have been split (two separate applications). A third power line corridor alternative has been assessed.
- **Applicant** – Eskom Holdings SOC Limited
- **Project Proposal** – The development of a new 132/11kV substation, a new 132kV single circuit overhead power line and the decommissioning of the existing 22/11kV Olifantshoek substation
- **Location** – between the existing Emil Substation and Olifantshoek in the Gamagara Local Municipality and the greater John Taolo Gaetsewe District Municipality
- **Need and desirability** – upgrade of grid network in the area to increase capacity

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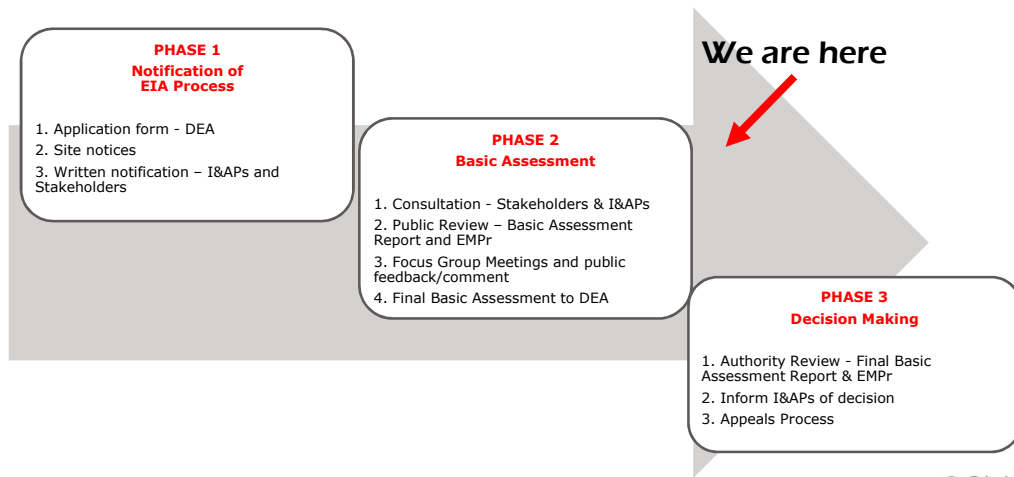




## LEGAL BACKGROUND

- National Environmental Management Act (No 107 of 1998)
  - Overarching environmental legislation in South Africa
  - Specifies the requirements for the EIA process
- Application for Authorisation
- Competent Authority - National Department of Environmental Affairs
- Commenting Authority – Northern Cape Department of Environment and Nature Conservation
- Independent environmental studies must be undertaken in accordance with the EIA Regulations

# EIA PROCESS & PUBLIC INVOLVEMENT



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## PROJECT DESCRIPTION

- The proposed project will consist of the following activities and associated infrastructure:
  - New 132kV single circuit overhead power line from the new Olifantshoek Substation to the Emil Switching Station, and ancillaries.
  - New 10MVA Olifantshoek 132/11kV substation and ancillaries.
  - Decommissioning of the existing 22/11kV 2.5MVA Olifantshoek Substation including site rehabilitation and preservation.

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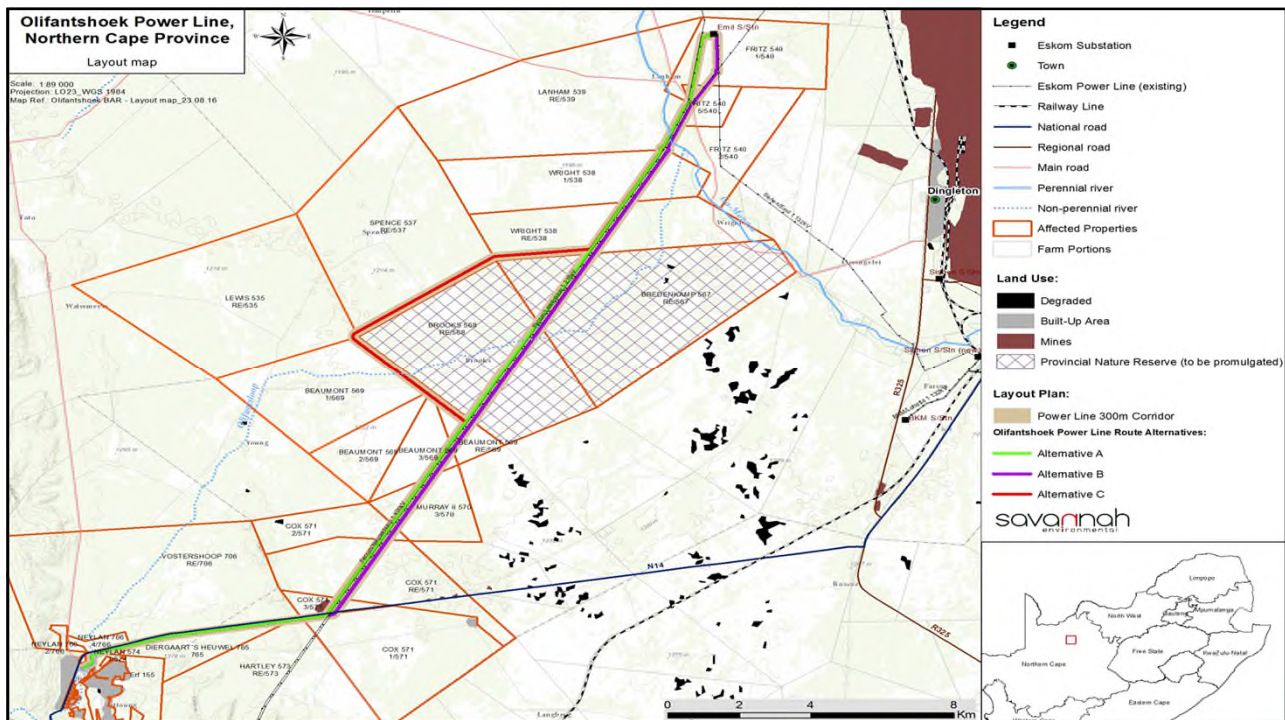
# PROJECT ALTERNATIVES

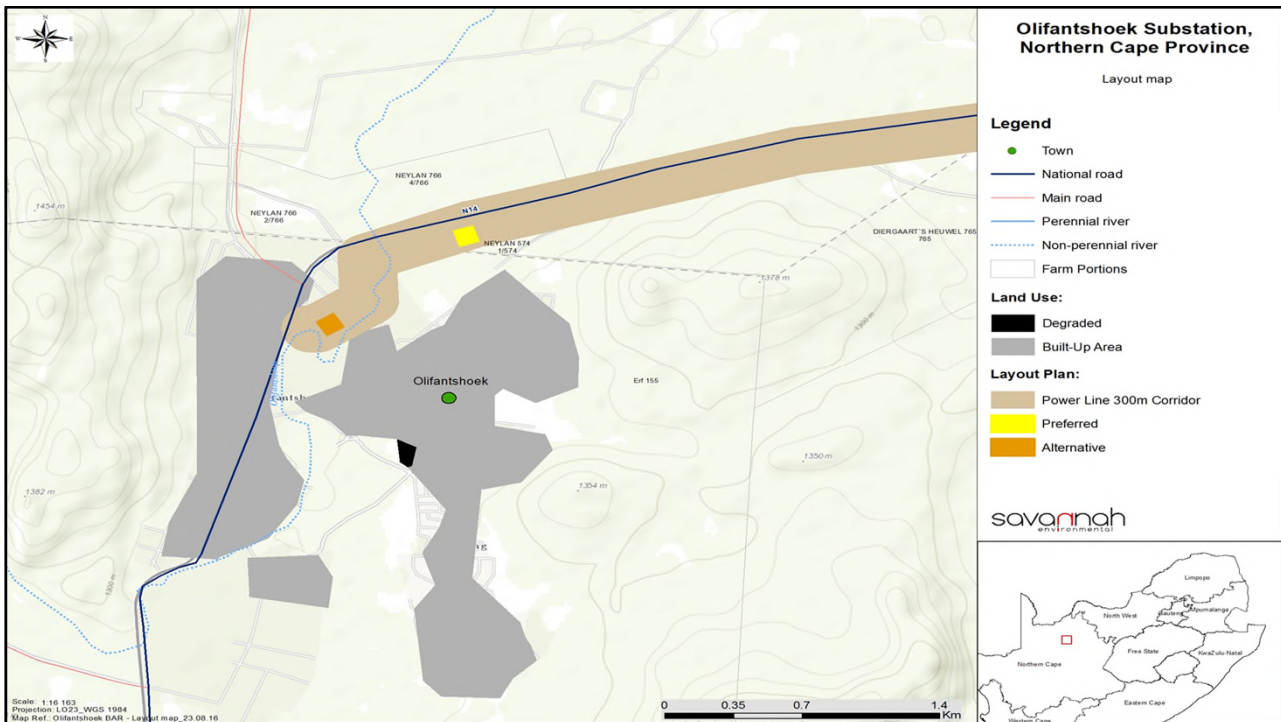
## Power Line Route Alternatives:

- *Alternative A* – west of Emil Substation
- *Alternative B* – east of Emil Substation
- *Alternative C* – west of Emil Substation (avoids farms Brooks and Bredenkamp) - Preferred

## Substation Alternatives:

- *Preferred* – close to N14
- *Alternative* – close to Olifantsloop drainage line





## ENVIRONMENTAL IMPACTS

- Ecological impacts:
  - Drainage lines and *Acacia erioloba* (Camel Thorn Trees); proper planning of pylons
  - Farms Brooks and Bredenkamp to be promulgated as Provincial Nature Reserve affected by power line **alternatives A and B – not preferred (fatal flaw)**
  - No impact of high significance that cannot be mitigated to low significance (implementation of Alternative C)
  - Power Line Alternative C is preferred** – avoidance of Provincial Nature Reserve
  - Preferred Substation – Medium ecological sensitivity, less sensitive – preferred location
  - Alternative Substation – High ecological sensitivity associated with the Olifantsloop non-perennial stream



## ENVIRONMENTAL IMPACTS

- Hydrological impacts:
  - Power Line Alternatives A, B and C cross Olifantsloop non-perennial river and Gamagara River
  - Impacts of all three power line alternatives – small in nature and extent, pose no major threat
  - All three power line alternatives – **acceptable**
  - Preferred Substation avoids high sensitivity areas - **preferred**
  - Alternative Substation located within high hydrological sensitivity (i.e. Olifantsloop)

## ENVIRONMENTAL IMPACTS

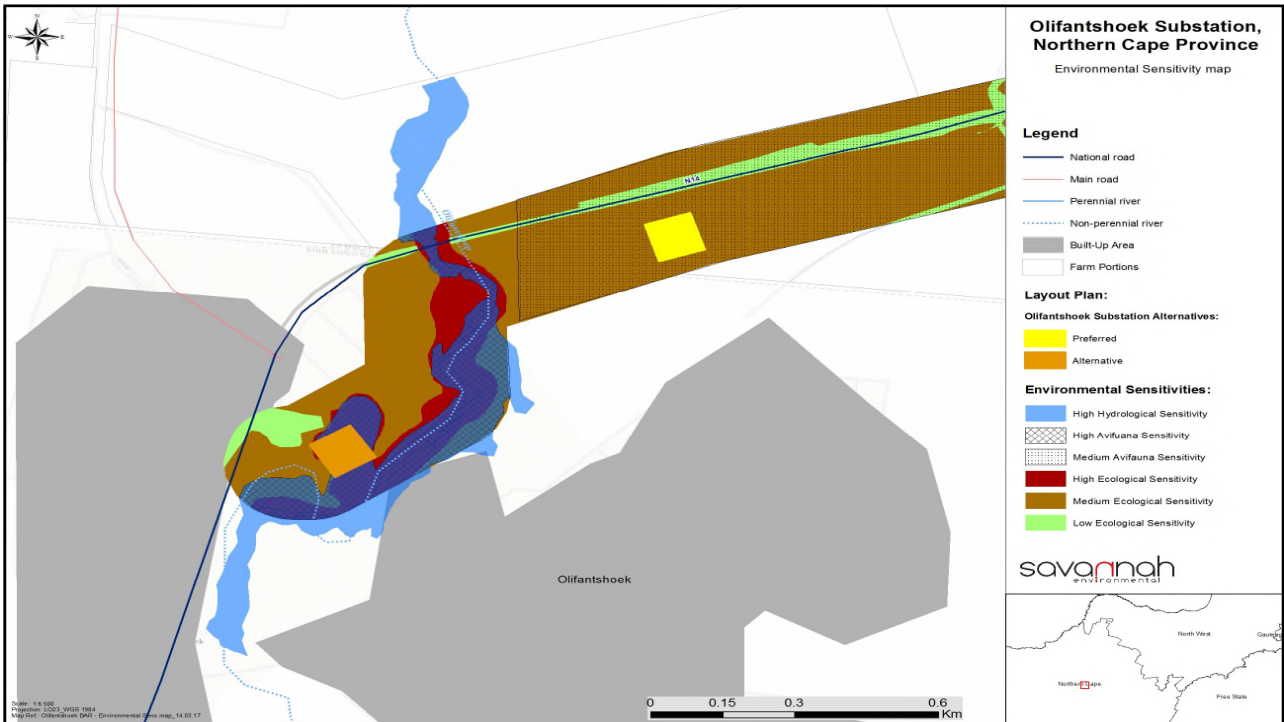
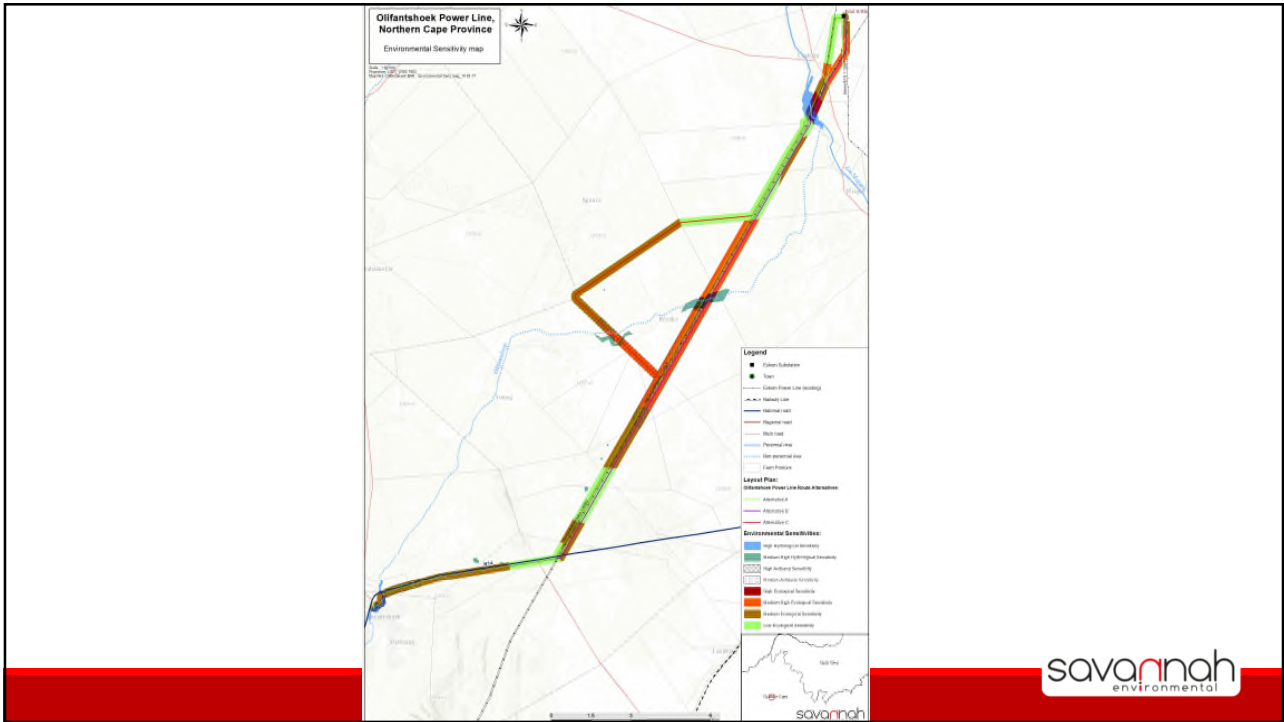
- Avifaunal impacts:
  - Displacement, disturbance, electrocution and collision
  - Impact can be successfully mitigated
  - Low threat impact with no long-term significant impacts
  - Power Line Alternatives A and B – traverse similar habitats and will have similar impacts - preferred
  - Power Line Alternative C – deviation into un-impacted veld, additional risk for collision – **least preferred, still acceptable**
  - Preferred Substation – avoids impacts within the *Acacia karroo* thicket and shorter power line route - **preferred**
  - Alternative Substation – less preferred but still acceptable

## ENVIRONMENTAL IMPACTS

- Visual impacts:
  - Power Line Alternative B – impact of medium significance on four local homesteads
  - Power Line Alternative A & C – less impact on homesteads with a low to medium significance – **more preferred**
  - Impact mitigated to low significance – alignment as far from local homesteads as corridor allows
  - Preferred substation – positive cumulative impacts for the urban area
  - Alternative substation – acceptable subject to mitigation (i.e. screen planting)

## ENVIRONMENTAL IMPACTS

- Heritage impacts:
  - Heritage Screening Assessment
  - Disturbed nature of the area and previous HIA coverage – HIA not required
  - Unlikely impact on heritage resources



## CONCLUSION

- Power Line Alternatives A and B – fatally flawed due to Provincial Nature Reserve (i.e. Brooks and Bredenkamp)
- Impacts can be mitigated or enhanced through implementation of EMPr
- Power Line Alternative C and the Preferred Substation Location should be implemented
- Benefits of the project expected to outweigh negative impacts

## CONCLUSION

- Project can be authorised with recommended and specific conditions:
  - Vegetation clearance must be minimum
  - Bulldozers and herbicides must not be used
  - Vegetation to be cleared manually with bush cutters to 0.5m in height
  - Acacia erioloba under the power line should be trimmed and not cut down

## WAY FORWARD

- Power Line Basic Assessment Report available for public review from 15 September 2017 – 17 October 2017
- Substation Basic Assessment Report to be released and notification of the 30-day review period will be submitted
- Power Line Final Basic Assessment Report to be submitted to DEA – October 2017 (incl. all comments and issues raised during the review period)
- Registered parties to be notified of the DEA decision
- Appeals process



## WHO TO CONTACT

**Savannah Environmental (Pty) Ltd**

**Gabriele Stein**

**PO Box 148, Sunninghill, 2157**

**Tel: 011 656 3237**

**Fax: 086 684 0547**

**Email: [gabriele@savannahsa.com](mailto:gabriele@savannahsa.com)**

**[www.savannahSA.com](http://www.savannahSA.com)**



# **COMMENTS RECEIVED**

**PROPOSED CONSTRUCTION OF THE  
OLIFANTSHOEK SUBSTATION AND POWER  
LINE, NORTHERN CAPE PROVINCE**

Our Ref:



an agency of the  
Department of Arts and Culture

T: +27 21 462 4502 | F: +27 21 462 4509 | E: [info@sahra.org.za](mailto:info@sahra.org.za)  
South African Heritage Resources Agency | 111 Harrington Street | Cape Town  
P.O. Box 4637 | Cape Town | 8001  
[www.sahra.org.za](http://www.sahra.org.za)

Enquiries: Natasha Higgitt  
Tel: 021 462 4502  
Email: [nhiggitt@sahra.org.za](mailto:nhiggitt@sahra.org.za)  
CaseID: 10127

Date: Monday October 10, 2016  
Page No: 1

## Interim Comment

### In terms of Section 38(8) of the National Heritage Resources Act (Act 25 of 1999)

Attention: Savannah Environmental (Pty) Ltd  
PO Box 148  
Sunninghill  
2157

**Eskom is proposing to establish a substation and power line which will be used to increase customers Notified Maximum Demand (NMD) from 2.5MVA to 10 MVA as a provision for future developments within the Olifantshoek region. This project is referred to as the Olifantshoek Substation and power line. The Olifantshoek Substation and power line will be comprised of the following: A new 10MVA on-site substation (100m X 100m) to be constructed adjacent to the existing 22/11kV Olifantshoek substation A new overhead 132 kV power line approximately 31 km long to connect directly to the Emil switching station via the new on site substation. The majority of the new power line route will follow the existing Ferrum/Nieuwehoop 400kV and Ferrum/Lewensaar 132kV power lines. The corridor of the new power line will be 300 m with a servitude of 31 m wide. The decommissioning of the existing 22/11kV Olifantshoek Substation**

Savannah Environmental (Pty) Ltd has been appointed by Eskom to conduct an Environmental Impact Assessment (EIA) process for a proposed powerline and sub-station in the Olifantshoek region, Northern Cape Province. An EIA will be completed in support of the Environmental Authorisation Application in terms of the National Environmental Management Act, 1998 (NEMA), NEMA EIA Regulations 2014. The proposed development will include a 31 km 132kV powerline that will run along an existing gravel road, the N14 highway and existing 400kV powerline. Three alternatives for the 100 m x 100 m sub-station located within Olifantshoek will be considered.

Cedar Tower Services were appointed to provide Heritage input into the EIA.

*Lavin, J and Bluff, K. 2016. Heritage Screener: Eskom Substation and Power Line Olifantshoek, Northern Cape Province.*

The Heritage Screener noted that the proposed development footprint has been extensively disturbed due to the existing infrastructure such as the roads and the powerlines. The footprint of the proposed development has previously been assessed in 2007 and 2014. In both these previous assessments, only ephemeral scatters of Stone Age artefacts of low significance were identified.

Our Ref:



an agency of the  
Department of Arts and Culture

T: +27 21 462 4502 | F: +27 21 462 4509 | E: [info@sahra.org.za](mailto:info@sahra.org.za)  
South African Heritage Resources Agency | 111 Harrington Street | Cape Town  
P.O. Box 4637 | Cape Town | 8001  
[www.sahra.org.za](http://www.sahra.org.za)

Enquiries: Natasha Higgitt  
Tel: 021 462 4502  
Email: [nhiggitt@sahra.org.za](mailto:nhiggitt@sahra.org.za)  
CaseID: 10127

Date: Monday October 10, 2016  
Page No: 2

Additionally the Screener noted that the proposed project area is located in areas of moderate, high and unknown palaeontological sensitivity, however, as no deep excavations are anticipated for the project, it is unlikely that palaeontological resources will be impacted.

Recommendations provided include the following:

- No further heritage specialists studies are required; and
- If any heritage resources are discovered during the construction phase of the proposed development, the SAHRA Archaeology, Palaeontology and Meteorites (APM) Unit should be contacted immediately.

## Interim Comment

The SAHRA APM Unit cannot provide further comment without reviewing the Environmental Reports i.e. Scoping and/or EIA and all appendices. Please ensure that the documents are submitted to the SAHRIS Case application so an informed decision may be issued.

Should you have any further queries, please contact the designated official using the case number quoted above in the case header.

Yours faithfully

---

Natasha Higgitt  
Heritage Officer  
South African Heritage Resources Agency

---

John Gribble  
Manager: Maritime and Underwater Cultural Heritage Unit / Acting Manager: Archaeology, Palaeontology and



Our Ref:



an agency of the  
Department of Arts and Culture

T: +27 21 462 4502 | F: +27 21 462 4509 | E: [info@sahra.org.za](mailto:info@sahra.org.za)  
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CaseID: 10127

Date: Monday October 10, 2016  
Page No: 3

Meteorites Unit  
South African Heritage Resources Agency

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**ADMIN:**

Direct URL to case: <http://www.sahra.org.za/node/369650>  
(DEA, Ref: )

## Gabriele Stein

---

**From:** Tshegofatso Monama <temonama@ska.ac.za>  
**Sent:** 31 March 2017 10:09  
**To:** Gabriele Wood  
**Subject:** Fwd: PROPOSED CONSTRUCTION OF THE OLIFANTSHOEK SUBSTATION AND POWER LINE, NORTHERN CAPE PROVINCE - NOTIFICATION OF BASIC ASSESSMENT AND WATER USE LICENCE APPLICATION PROCESSES  
**Attachments:** Organs of State Process Notification 10.03.2017.pdf; Olifantshoek Power Line & Substation BID (Afri).pdf; Olifantshoek Power Line & Substation BID (Eng).pdf; Reply Form.pdf  
**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

Dear Gabriele,

Kindly forward me a KMZ file of the proposed power route.

Regards,  
Tshego

----- Forwarded message -----

**From:** Adrian Tiplady <[atiplady@ska.ac.za](mailto:atiplady@ska.ac.za)>  
**Date:** Fri, Mar 31, 2017 at 8:31 AM  
**Subject:** Fwd: PROPOSED CONSTRUCTION OF THE OLIFANTSHOEK SUBSTATION AND POWER LINE, NORTHERN CAPE PROVINCE - NOTIFICATION OF BASIC ASSESSMENT AND WATER USE LICENCE APPLICATION PROCESSES  
**To:** Tshegofatso Monama <[temonama@ska.ac.za](mailto:temonama@ska.ac.za)>  
**Cc:** Selaelo Matlhane <[smatlhane@ska.ac.za](mailto:smatlhane@ska.ac.za)>

----- Forwarded Message -----

**Subject:** PROPOSED CONSTRUCTION OF THE OLIFANTSHOEK SUBSTATION AND POWER LINE, NORTHERN CAPE PROVINCE - NOTIFICATION OF BASIC ASSESSMENT AND WATER USE LICENCE APPLICATION PROCESSES  
**Date:** Fri, 10 Mar 2017 11:47:50 +0200  
**From:** Gabriele Wood <[gabriele@savannahsa.com](mailto:gabriele@savannahsa.com)>  
**Reply-To:** Gabriele Wood <[gabriele@savannahsa.com](mailto:gabriele@savannahsa.com)>

Dear Stakeholder,

The Northern Cape, and in particular, the north east region as a whole has been earmarked for the development of various mining developments and operations. With an increase of such developments, the region of Olifantshoek has undergone rapid population expansion, and as a result there is greater pressure being placed on existing electrification networks and services to meet the current capacity demands of the region. Eskom Holdings SoC Limited's (Eskom) is therefore proposing to establish a new Olifantshoek 10MVA 132/11kV substation and 31km 132kV power line to strengthen the electrification network of the area. This project is referred to as the Olifantshoek Substation and Power Line.

In terms of the Environmental Impact Assessment (EIA) Regulations published in terms of Section 24(5) of the National Environmental Management Act (NEMA, Act No. 107 of 1998), Eskom Holdings SoC Limited requires authorisation from the Department of Environmental Affairs (DEA) (in consultation with the Northern Cape Department of Environmental Affairs and Nature Conservation (DENC)) for the undertaking of the proposed development. In terms of Sections 24 and 24D of the National Environmental Management Act (No 107 of 1998), as read with the EIA Regulations of GN R982, GN R983 and R985, a Basic Assessment process is required to be undertaken for the proposed project. In terms of the National Water Act (Act No 36 of 1998), a Water Use License is required for watercourse crossings along the power line route.

Eskom Holdings SoC Limited has appointed Savannah Environmental (Pty) Ltd, as the independent environmental consultant, to undertake the required Basic Assessment and Water Use Licence Application (WULA) processes. Kindly refer to the attached process notification letter and background information document for further details regarding the project. Please complete and return the attached stakeholder registration and comment form in order to register as an Interested and/or Affected Party (I&AP) on the project's database.

Please do not hesitate to contact me if you have any queries in this regard.

Kind regards,

**Mrs Gabriele Wood**

**Public Participation and Social Consultant**

**Savannah Environmental (Pty) Ltd**

**Tel: 27 11 656 3237**

**Fax: 086 684 0547**

**Email: [gabriele@savannahsa.com](mailto:gabriele@savannahsa.com)**

**[www.savannahsa.com](http://www.savannahsa.com)**

## Gabriele Stein

---

**From:** Gabriele Stein <gabriele@savannahsa.com>  
**Sent:** 25 May 2017 15:52  
**To:** 'Tshegofatso Monama'  
**Subject:** RE: PROPOSED CONSTRUCTION OF THE OLIFANTSHOEK SUBSTATION AND POWER LINE, NORTHERN CAPE PROVINCE - NOTIFICATION OF BASIC ASSESSMENT AND WATER USE LICENCE APPLICATION PROCESSES  
**Attachments:** New Layout Olifantshoek BAR.KMZ

Dear Tshegofatso

Please find the kmz file attached as requested.

Kind regards

**Gabriele Stein**

Public Participation and Social Consultant | Savannah Environmental (Pty) Ltd  
Tel: +27 11 656 3237 | Fax: +27 86 684 0547

**From:** Tshegofatso Monama [mailto:[temonama@ska.ac.za](mailto:temonama@ska.ac.za)]  
**Sent:** 31 March 2017 10:09  
**To:** Gabriele Wood <gabriele@savannahsa.com>  
**Subject:** Fwd: PROPOSED CONSTRUCTION OF THE OLIFANTSHOEK SUBSTATION AND POWER LINE, NORTHERN CAPE PROVINCE - NOTIFICATION OF BASIC ASSESSMENT AND WATER USE LICENCE APPLICATION PROCESSES

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**To:** Tshegofatso Monama <[temonama@ska.ac.za](mailto:temonama@ska.ac.za)>  
**Cc:** Selaelo Matlhane <[smatlhane@ska.ac.za](mailto:smatlhane@ska.ac.za)>

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**Date:** Fri, 10 Mar 2017 11:47:50 +0200  
**From:** Gabriele Wood <[gabriele@savannahsa.com](mailto:gabriele@savannahsa.com)>  
**Reply-To:** Gabriele Wood <[gabriele@savannahsa.com](mailto:gabriele@savannahsa.com)>

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Eskom Holdings SoC Limited has appointed Savannah Environmental (Pty) Ltd, as the independent environmental consultant, to undertake the required Basic Assessment and Water Use Licence Application (WULA) processes. Kindly refer to the attached process notification letter and background information document for further details regarding the project. Please complete and return the attached stakeholder registration and comment form in order to register as an Interested and/or Affected Party (I&AP) on the project's database.

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Kind regards,

**Mrs Gabriele Wood**

**Public Participation and Social Consultant**

**Savannah Environmental (Pty) Ltd**

**Tel: 27 11 656 3237**

**Fax: 086 684 0547**

**Email: [gabriele@savannahsa.com](mailto:gabriele@savannahsa.com)**

**[www.savannahsa.com](http://www.savannahsa.com)**

## Gabriele Stein

---

**From:** Voigt, Werner (KIO SIS Environmental Management)  
<werner.voigt@angloamerican.com>  
**Sent:** 05 June 2017 08:44  
**To:** Gabriele Stein  
**Cc:** 'JacolineMa'; 'Elsabe Swart'; Mitchell, Hannelie [KIO SIS]; Williams, Nadia  
**Subject:** Olifantshoek powerline - Draft Basic Assessment Report  
**Attachments:** 2038\_29-8\_NCape.pdf

Gabriele,

Please register me formally on behalf of Sishen Mine as an IAP. This is my first comments on the BAR. Further comments will follow, I understand the due date is 30 June.

We **DO NOT** support the powerline.

Bredenkamp and Brooks are in the process of being declared a provincial nature reserve and will serve as a biodiversity offset for Sishen Mine. The intent has already been gazetted (see attached).

The two existing powerlines (275kV) and new 400kV has already caused a significant impact on the biodiversity offset area and a further powerline should not be allowed in this sensitive area.

Your company can start looking at this issue so long to make sure it is included and considered in the final BAR.

I don't think the issue of alternatives have been addressed adequately in the BAR. Only two corridors options are provided and BOTH cut through Bredenkamp and Brooks. Essentially there is no difference between these options.

Many trees have already been destroyed as part of the 275kV and 400kV line and it is really not desired to destroy more, I am sure an alternative route can be identified.

Thank you

**Werner Voigt** D +27 053 739 2821 M +27 83 417 8306  
Section Manager Land Management – Sishen Mine

---

**From:** Gabriele Stein [mailto:gabriele@savannahsa.com]  
**Sent:** 30 May 2017 02:17 PM  
**Subject:** PROPOSED CONSTRUCTION OF THE OLIFANTSHOEK SUBSTATION AND POWER LINE, NORTHERN CAPE PROVINCE - AVAILABILITY OF THE DRAFT BASIC ASSESSMENT REPORT FOR REVIEW

This message originated outside Anglo American

---

Dear Stakeholder,

It is Eskom Holdings SOC Limited's (Eskom) intention to establish a new Olifantshoek 10MVA 132/11kV substation and 31km 132kV power line as a means of delivering increased electrification to the area of Olifantshoek. The electrification plan is planned to increase the current Notified Maximum Demand (NMD) of the area from 2.5MVA to 10 MVA. This project is referred to as the Olifantshoek Substation and Power Line. Two alternative substation sites and two alternative powerline routes are being considered within this Basic Assessment Report. Grid connection will be from the new Olifantshoek Substation to the existing Emil Switching Station in Kathu. A corridor of 300m in width was assessed for the siting of this project in order

to allow for optimisation of the infrastructure layout, including laydown areas, in order to, inter alia, accommodate specialist findings where necessary. Within this corridor, a servitude of 31m will be negotiated with the affected landowners.

In terms of the Environmental Impact Assessment (EIA) Regulations published in terms of Section 24(5) of the National Environmental Management Act (NEMA, Act No. 107 of 1998), Eskom Holdings SOC Limited requires authorisation from the Department of Environmental Affairs (DEA) (in consultation with the Northern Cape Department of Environmental Affairs and Nature Conservation (DENC)) for the undertaking of the proposed development. In terms of Sections 24 and 24D of the National Environmental Management Act (No 107 of 1998), as read with the amended EIA Regulations of GN R 326, R327, GN R325 and R324, a Basic Assessment process is required to be undertaken for the proposed project. The project will be registered with the DEA and the reference number made known in due process. In terms of the National Water Act (Act No 36 of 1998), a Water Use License is required for watercourse crossings along the power line route.

**Eskom Holdings SOC Limited** has appointed **Savannah Environmental (Pty) Ltd**, as the independent environmental consultant, to undertake the required Basic Assessment and Water Use Licence Application (WULA) processes. The Basic Assessment will identify and assess all the potential environmental impacts associated with the proposed project, and propose appropriate mitigation and management measures in an Environmental Management Programme (EMPr). In accordance with the EIA Regulations, a Basic Assessment Report has been made available for public review and comment. The report is available at the Olifantshoek Public Library from the **30 May 2017 – 30 June 2017**. Please refer to the attached notification letter for further details regarding the project and the Basic Assessment process being undertaken.

Please do not hesitate to contact me if you have any queries in this regard.

Kind regards,

**Gabriele Stein**

**Public Participation and Social Consultant**

**Savannah Environmental (Pty) Ltd**

**Tel: 27 11 656 3237**

**Fax: 086 684 0547**

**Email: [gabriele@savannahsa.com](mailto:gabriele@savannahsa.com)**

**[www.savannahsa.com](http://www.savannahsa.com)**



## agriculture, forestry & fisheries

Department:  
Agriculture, forestry & fisheries  
REPUBLIC OF SOUTH AFRICA

Directorate Land Use and Soil Management, Private Bag x120, Pretoria, Gezina 0031  
Delpen Building, c/o Annie Botha & Union Streets, Rivieria

**From:** Director: Land Use and Soil Management

TEL (012) 319 7634 ☐☐ **Fax:** (012) 329 5938 ☐☐ **e-mail:** [nhlakad@daff.gov](mailto:nhlakad@daff.gov)

SAVANNAH ENVIRONMENTAL  
FIRST FLOOR BLOCK 2.5  
**WOODHEAD**  
2191

2017/06/12

DEAR SIR/MADAM

This serves as a notice of receipt and confirms that your application has been captured in our electronic AgriLand tracking and management system. It is strongly recommended that you use the on-line AgriLand application facility in future.

Detail of your application as captured as follows:

**TYPE OF APPLICATION: SUBDIVISION**

**YOUR REFERENCE: OLIFANTSHOEK SUBSTATION**

**DESCRIPTION: OLIFANTSHIEK SUBSTATION**

**DATED:** 2017/06/12

Please use the following reference number in all enquiries:

**AGRILAND REFERENCE NUMBER: 2017\_06\_0035**

Enquiries can be made to the above postal, fax or e-mail address.

Yours sincerely,

**B N DE LANGE**

**pp DIRECTOR: LAND USE AND SOIL MANAGEMENT**

<http://www.agis.agric.za/agriland>





# agriculture, forestry & fisheries

Department:  
Agriculture, Forestry and Fisheries  
REPUBLIC OF SOUTH AFRICA

Directorate: Forestry Management (Other Regions)  
P.O. Box 2782, Uptington, 8800, Tel 054 338 5909, Fax 054 334 0030

Enquiries: J Mans  
E-mail: [JacolineMa@daff.gov.za](mailto:JacolineMa@daff.gov.za)  
Date: 12 June 2017  
Ref: 40.8.14.2/NC/90

Savannah Environmental (Pty) Ltd  
P.O. Box 148  
Sunninghill  
2157

ATTENTION: Gabriele Stein ([Gabriele@savannahSA.com](mailto:Gabriele@savannahSA.com))

RE: COMMENTS ON DRAFT BASIC ASSESSMENT REPORT FOR THE PROPOSED CONSTRUCTION OF OLIFANTSHOEK SUBSTATION AND POWER LINE, NORTHERN CAPE PROVINCE (DENC REF: NOT SUPPLIED)

## 1. DEPARTMENTAL MANDATE

The Directorate: Forestry Management (Other Regions) in the Department of Agriculture, Forestry and Fisheries (DAFF) is responsible for implementation of the **National Forests Act, Act 84 of 1998 (NFA)** and **the National Veld and Forest Fires Act, Act 101 of 1998** as amended. The developer must take note of the following sections of the NFA:

- 1.1 Section 12(1): "The Minister may declare-
  - (a) a particular tree,
  - (b) a particular group of trees,
  - (c) a particular woodland; or
  - (d) trees belonging to a particular species, to be a protected tree, group of trees, woodland or species.
- 1.2 Section 15(1): "No person may-
  - (a) Cut, disturb, damage or destroy any protected tree; or
  - (b) Possess, collect, remove, transport, export, purchase, sell, donate or in any other manner acquire or dispose of any protected tree, or any forest product derived from a protected tree, except-
    - (i) under a license granted by the Minister; or
    - (ii) in terms of an exemption from the provision of this subsection published by the Minister in the Gazette on the advice of the Council."
- 1.3 "Any person who contravenes the prohibition on-
  - (i) The cutting, disturbance, damage or destruction of temporarily protected trees or groups of trees referred to in section 14(2) or protected trees referred to in section 15(1)(a); or
  - (ii) The possession, collection, removal, transport, export, purchase or sale of temporarily protected trees or groups of trees referred to in section 14(2) or protected trees



referred to in section 15(1)(b), or any forest product derived from a temporarily protected tree, group of trees or protected tree, is guilty of a first category offence.

- 1.4 Section 58 (1): “Any person who is guilty of a first category offence referred to in sections 62 and 63 may be sentenced to a fine or imprisonment for a period of up to three years, or to both a fine and such imprisonment.”
- 1.5 The list of protected tree species under section 12(1) (d) of the National Forests Act, 1998 (Act No. 84 of 1998) was published in GN1602 of 23 December 2016.
- 1.6 The declaration of the farms *Brooks* and *Bredenkamp* as Nature Reserves appeared in the Northern Cape Government Gazette No. 2038 of 29 August 2016, Notice 81 of 2016, for a 60 day commenting period.

## 2. COMMENTS ON DRAFT BASIC ASSESSMENT REPORT

- 2.1 The Department is very concerned about the proposed development, specifically the potential impacts on the farms *Brooks* and *Bredenkamp*. **These two farms were purchased as an offset to compensate for impacts on protected trees elsewhere. These properties are in the process of being formally declared as Nature Reserves, as mentioned in number 1.6 above, to fulfil an offset requirement in terms of a license condition that was issued to the existing landowner. None of the reports refer to the fact that a Nature Reserve may be affected by the proposed development.**
- 2.2 Traversing the farms *Brooks* and *Bredenkamp* is from DAFF’s point of view **a fatal flaw**, because it would defeat the purpose of having these two properties as an offset and declaring it as Nature Reserves. The owners already spent millions to secure these properties and to put up proper game fencing, etc. The DAFF cannot support the development of additional powerlines in the offset area which was specifically chosen and accepted as an offset due to its high density protected trees.
- 2.3 The new 132 kV line will run parallel to the existing Ferrum / Nieuwehoop 400 kV and Ferrum/Lewensaar 275 kV lines. It should be noted that the two lines were already authorised by the time the farms were purchased as an offset. The farms were still deemed suitable as offset receiving areas due to the high density *Acacia erioloba* trees that would be formally conserved as a result of the Nature Reserve declaration. The recently constructed 400 kV line resulted in the loss of thousands of protected trees on these properties.
- 2.4 Page 37 of the specialist ecological report refers to cumulative impacts and stated that: “numerous *Acacia erioloba* trees had been felled (the stumps had been chemically treated) within the servitude below the existing 275kV line...” The specialist further stated that “if the clearing of *Acacia erioloba* trees under both the new 400kV line and the proposed 132kV line is to be undertaken extensively along the entire length of the Olifantshoek servitude, **this will amount to the loss of hundreds of trees.**” Page 66 of the Draft Basic Assessment stated that “the potential for **cumulative impacts is low**... Although many *Acacia erioloba* could be affected, this is the dominant tree in the area and the **potential loss of several hundred individuals is not considered highly significant**”. It is interesting that the report refers to cumulative ecological impacts on protected trees in the context of mining, but in reality the cumulative impacts of new powerlines in the area now exceed or match the impacts on trees as a result of mining. Construction of the Ferrum-Lewensaar 275 kV line; the 15.4 km Ferrum-Lewensaar Deviation Line (also affecting farm *Fritz*) and the 400 kV Ferrum-Nieuwehoop transmission line traversing the farms *Brooks* and *Bredenkamp* **already resulted in the loss of 8 918 protected trees**. To lose an additional **several hundred individuals of protected trees** in an area earmarked for conservation of the very same species we are trying to protect, is unacceptable.



- 2.5 The Ecological Specialist Report and the avifaunal sensitivity map classified the area in the vicinity of farms *Brooks* and *Bredenkamp* as being medium to highly 'sensitive'. The avifauna specialist pointed out that the *Acacia erioloba* woodland is an important bird microhabitat supporting key bird species. The Ecological Specialist stated that there is "little justified reason to clear extensive areas beneath the powerlines in the study area" and that "the overall impact on listed and protected species would ... be moderate after mitigation and **avoidance**". Recommended mitigation measures include that vegetation clearance must be kept to the minimum and that trees in the servitude should not be indiscriminately cleared, but rather trimmed and cut to a lower height and not cut down. This sentiment was re-iterated in the EMP, where it stated that vegetation should not be cleared using herbicides or with a bulldozer. It can be cleared manually with bush cutters to 0.5m height where necessary and *Acacia erioloba* trees under the line should be trimmed and not cut down". The DAFF fully agree with such recommendations, but unless these mitigation measures are captured as special conditions in the Environmental Authorisation, it is meaningless. Eskom bush clearance standards are followed and it allows for a 132 kV line to **clear** 8 m on either side of the centre line. DAFF licenses usually permit removal of protected trees within 4m on either side of the outer lines. Specialist recommendations are seldom followed during construction; as the specialist pointed out, "relative large numbers of *Acacia erioloba* would however potentially be affected if the servitude is significantly widened and wholesale clearing of this area occurs." Removal of vegetation in a semi-arid region will leave the site vulnerable to degradation through soil erosion and alien plant invasion, a situation which cannot be tolerated in an offset area / Nature Reserve.
- 2.6 It is worrisome that the Eskom Vegetation Management document does not refer to Protected Areas in terms of all applicable legislation. It highlighted National Parks, but in terms of "Protected Areas" only refers to areas declared as 'protected' in terms of section 18 and section 20 of the National Environmental Management: Protected Areas Act, 57 of 2003 (NEMPA). The current declaration of *Brooks* and *Bredenkamp* as Provincial Nature Reserves is taking place in terms of section 23(1)(a)(i) of the NEMPA. The National Forests Act, 84 of 1998 (NFA) also allows for the declaration of Protected Areas; Protected Woodlands and Forest Nature Reserves. Eskom should amend their Vegetation Management documentation to acknowledge all types of legally declared Protected Areas. The document also fails to acknowledge the Northern Cape Nature Conservation Act, Act 9 of 2009 (NCNCA), which is applicable if vegetation must be cleared in the Northern Cape Province.
- 2.7 On page 50 of the DBAR is a table and under the impacts "protected area" was not ticked. Likewise, page 51 refers to Land Use Character of the Surrounding Area and under the question: "Does the proposed site fall within any of the following: Core area of a protected area?" **"NO"** was ticked. As pointed out, the farms *Brooks* and *Bredenkamp* are in the process of being declared Provincial Nature Reserves, therefore the report must be amended.
- 2.8 It is clear from the impact assessment report and the specialist reports that there is an abundance of protected species such as *Acacia erioloba* and *Boscia albitrunca* along some parts of the proposed power line route and within the proposed substation sites; some impact on protected species is inevitable and cannot be avoided. Yet, the impact report stated on page 51 that these impacts are 'probable' whereas we know the impacts are 'definite'.
- 2.9 Objective 1 of the impact assessment is to "ensure the design responds to identified environmental constraints and opportunities". As highlighted above, the potential impact on the *Brooks* and *Bredenkamp* offset area / Nature Reserves was not identified and/or taken into account in the impact assessment reports.

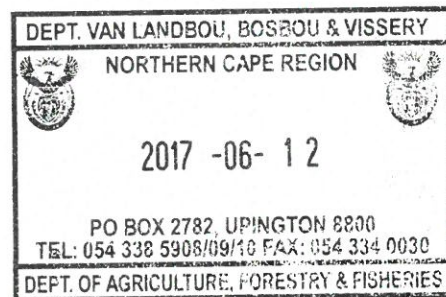
### 3. RECOMMENDATIONS

- 3.1 The DAFF cannot agree with the overall findings of the Basic Assessment in terms of the impacts on ecology being regarded 'of local extent and low significance' and that there are 'no impacts considered to be of high significance'. The Department is of the opinion that impact on the offset area / Nature Reserve is of very high significance in terms of ecology and protected trees. The proposed development may result in destruction of hundreds of Camel thorn trees in an offset area being declared as Nature Reserves for the purpose of protecting Camel thorn trees.
- 3.2 There may be land-use restrictions in a formally declared Nature Reserve and from DAFF's point of view, construction of new powerlines cannot be tolerated in the offset area / Nature Reserve. The provincial Department of Environment and Nature Conservation (DENC), Ms. Elsabe Swart or Mr. Dewald Badenhorst must be consulted in this regard.
- 3.3 The new power line must avoid the farms *Brooks and Bredenkamp* by deviating around it.
- 3.4 If the project is authorised as is, the chances are very good the DAFF will refuse to issue a license for removal or disturbance of protected trees in the offset area / Nature Reserve, because we would have valid reasons to reject such an application.

Kind Regards,

  
Jacoline Mans

Chief Forester: NFA Regulation





**BASIESE EVALUERINGS- EN WATERGEBRUIKLISENSIEPROSES**

**OPENBARE DEELNAMEPROSES**

**NUWE 132/11KV OLIFANTSHOEK SUBSTASIE EN GRAGLYN, NOORD-KAAPROVINSIE  
BELANGSTELLEDE EN GEAFFEKTEERDE PARTYE REGISTRASIE EN KOMMNETAAR FORM**

Stuur voltooide registrasie/kommentaar vorm aan: **Gabriele Wood** van **Savannah Environmental (Edms.) Bpk**

Faks: 086 699 5796

Telefoon: 011 656 3237

E-pos: gabriele@savannahsa.com

Posadres: Posbus 148 Sunninghill 2157

**Verskaf asseblief u persoonlike kontak besonderhede:**

Naam & Van:

Organisasie & Rol:

Posadres:

Telefoon:

Faks:

Anna Marie van Zyl		
Plaas gedeelte Nyland.		
Box 39		
Olifantshoek		
0834174899	Selfoon:	
	E-pos:	anram@telkomsa.net

**Stel u belang om te registreer as 'n belangstellende en/of geaffekteerde party (B&GP)?** (Merk met JA   
X) NEE

Nota: Dit word van u vereis om te registreer as 'n B&GP om alle toekomstige inligting in verband met die Omgewingsimpakevalueringsproses te ontvang.

**Verduidelik u belangstelling in hierdie projek** (gebruik addisionele bladsye indien nodig):

--

**Lys u vrae, opinies of besorghede in verband met hierdie projek** (gebruik addisionele bladsye indien nodig):

--

**Verskaf bykommende kontak besonderhede van addisionele persoon/e wie u beskou as potensiële belangstellende en/of geaffekteerde partye:**

Naam & Van:

Organisasie & Rol:

Posadres:

Telefoon:

Faks:

	Selfoon:	
	E-pos:	

**BASIESE EVALUERINGS- EN WATERGEBRUIKLISENSIEPROSES**

**OPENBARE DEELNAMEPROSES**

**NUWE 132/11KV OLIFANTSHOEK SUBSTASIE EN GRAGLYN, NOORD-KAAPROVINSIE  
BELANGSTELLEDE EN GEAFFEKTEERDE PARTYE REGISTRASIE EN KOMMNETAAR FORM**

Stuur voltooide registrasie/kommentaar vorm aan: **Gabriele Wood** van **Savannah Environmental (Edms.) Bpk**

Faks: 086 699 5796

Telefoon: 011 656 3237

E-pos: gabriele@savannahsa.com

Posadres: Posbus 148 Sunninghill 2157

**Verskaf asseblief u persoonlike kontak besonderhede:**

Naam & Van:

Organisasie & Rol:

Posadres:

Telefoon:

Faks:

DAVID FRANCOIS MALAN		
KANGEBERG STONE MALA LODGE		
BUS 137		
OLIFANTSHOEK		
	Selfoon:	082 807 8878
	E-pos:	

**Stel u belang om te registreer as 'n belangstellende en/of geaffekteerde party (B&GP)?** (Merk met JA

X)

NEE

<input checked="" type="checkbox"/>
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Nota: Dit word van u vereis om te registreer as 'n B&GP om alle toekomstige inligting in verband met die Omgewingsimpakevalueringsproses te ontvang.

**Verduidelik u belangstelling in hierdie projek** (gebruik addisionele bladsye indien nodig):

Behuisingsontwikkeling in Olifantshoek

**Lys u vrae, opinies of besorghede in verband met hierdie projek** (gebruik addisionele bladsye indien nodig):

Natuur bewaring - KAMEELDORING BOME.  
lyne wat ons myn grond arteien.

**Verskaf bykommende kontak besonderhede van addisionele persoon/e wie u beskou as potensiële belangstellende en/of geaffekteerde partye:**

Naam & Van:

Organisasie & Rol:

Posadres:

Telefoon:

Faks:

	Selfoon:	
	E-pos:	

## Gabriele Stein

---

**From:** Lizelle Stroh <StrohL@caa.co.za>  
**Sent:** 30 June 2017 14:18  
**To:** Gabriele Stein  
**Subject:** RE: PROPOSED CONSTRUCTION OF THE OLIFANTSHOEK SUBSTATION AND POWER LINE, NORTHERN CAPE PROVINCE - AVAILABILITY OF THE DRAFT BASIC ASSESSMENT REPORT FOR REVIEW

**Attachments:** Pylon Geographic co ordinates.xls

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

Your enquiry regarding comments from the SACAA with regard to power lines refers.

There is a SACAA process whereby permission is applied for with regards to obstacles which could pose an aviation hazard. More information can be obtained at <http://www.caa.co.za>. Click on 'Obstacles' on the LHS. For administrative processing complete the application for obstacle approval on the SACAA website, links: information for the industry; obstacle; forms: Application Part 139-27. Complete and submit on the form itself, it drops into our obstacle e-mail address, for the admin to provide you with an pro forma invoice, the payment will initiate the process.

- Kindly provide a **.kml (Google Earth) file reflecting the proposed overhead electric power line route(s)**.
- Also indicate the **highest** structure of the project.
- *Please always use the proposed power line project name in the Subject box when corresponding via email with this office and indicate the name & address which should appear on the CAA approval/decline letter.*

Kind regards

**Lizell Stroh**  
**Obstacle Inspector**  
**PANS-OPS (Procedures for Air Navigation Services-Aircraft Operations)**  
**Air Navigation Services**  
Tel: 011 545 1232 | Fax: 011 545 1451 | Email: [strohl@caa.co.za](mailto:strohl@caa.co.za) | [www.caa.co.za](http://www.caa.co.za)

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**From:** Gabriele Stein [mailto:[gabriele@savannahsa.com](mailto:gabriele@savannahsa.com)]  
**Sent:** 30 May 2017 02:17 PM  
**Subject:** PROPOSED CONSTRUCTION OF THE OLIFANTSHOEK SUBSTATION AND POWER LINE, NORTHERN CAPE PROVINCE - AVAILABILITY OF THE DRAFT BASIC ASSESSMENT REPORT FOR REVIEW



Dear Stakeholder,

It is Eskom Holdings SOC Limited's (Eskom) intention to establish a new Olifantshoek 10MVA 132/11kV substation and 31km 132kV power line as a means of delivering increased electrification to the area of Olifantshoek. The electrification plan is planned to increase the current Notified Maximum Demand (NMD) of the area from 2.5MVA to 10 MVA. This project is referred to as the Olifantshoek Substation and Power Line. Two alternative substation sites and two alternative powerline routes are being considered within this Basic Assessment Report. Grid connection will be from the new Olifantshoek Substation to the existing Emil Switching Station in Kathu. A corridor of 300m in width was assessed for the siting of this project in order to allow for optimisation of the infrastructure layout, including laydown areas, in order to, inter alia, accommodate specialist findings where necessary. Within this corridor, a servitude of 31m will be negotiated with the affected landowners.

In terms of the Environmental Impact Assessment (EIA) Regulations published in terms of Section 24(5) of the National Environmental Management Act (NEMA, Act No. 107 of 1998), Eskom Holdings SOC Limited requires authorisation from the Department of Environmental Affairs (DEA) (in consultation with the Northern Cape Department of Environmental Affairs and Nature Conservation (DENC)) for the undertaking of the proposed development. In terms of Sections 24 and 24D of the National Environmental Management Act (No 107 of 1998), as read with the amended EIA Regulations of GN R 326, R327, GN R325 and R324, a Basic Assessment process is required to be undertaken for the proposed project. The project will be registered with the DEA and the reference number made known in due process. In terms of the National Water Act (Act No 36 of 1998), a Water Use License is required for watercourse crossings along the power line route.

**Eskom Holdings SOC Limited** has appointed **Savannah Environmental (Pty) Ltd**, as the independent environmental consultant, to undertake the required Basic Assessment and Water Use Licence Application (WULA) processes. The Basic Assessment will identify and assess all the potential environmental impacts associated with the proposed project, and propose appropriate mitigation and management measures in an Environmental Management Programme (EMPr). In accordance with the EIA Regulations, a Basic Assessment Report has been made available for public review and comment. The report is available at the Olifantshoek Public Library from the **30 May 2017 – 30 June 2017**. Please refer to the attached notification letter for further details regarding the project and the Basic Assessment process being undertaken.

Please do not hesitate to contact me if you have any queries in this regard.

Kind regards,

**Gabriele Stein**

**Public Participation and Social Consultant**

**Savannah Environmental (Pty) Ltd**

**Tel: 27 11 656 3237**



**Fax: 086 684 0547**

**Email: [gabriele@savannahsa.com](mailto:gabriele@savannahsa.com)**

**[www.savannahsa.com](http://www.savannahsa.com)**

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## Gabriele Stein

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**From:** Nicole Abrahams (WR) <AbrahamsN@nra.co.za>  
**Sent:** 26 June 2017 16:35  
**To:** 'gabriele@savannahsa.com'  
**Subject:** FW: PROPOSED CONSTRUCTION OF THE OLIFANTSHOEK SUBSTATION AND POWER LINE, NC

**Importance:** High

Dear Ms Stein

Please ignore my previous email, I managed to get the CD that came with the project notification. The South African National Roads Agency SOC LTD, would herewith wish to register as IAP to the above listed proposed project.

Regards  
Nicole Abrahams



---

**From:** Nicole Abrahams (WR)  
**Sent:** 26 June 2017 04:22 PM  
**To:** 'gabriele@savannahsa.com' <gabriele@savannahsa.com>  
**Subject:** PROPOSED CONSTRUCTION OF THE OLIFANTSHOEK SUBSTATION AND POWER LINE, NC  
**Importance:** High

Dear Ms Stein

The above subject bears reference. The South African National Roads Agency SOC LTD would herewith like to request a locality plan for the propose project and one where the proximity of nearest National Road is shown.

Regards

	<p>Ms Nicole Abrahams <b>Environmental Coordinator</b> Tel: 021 957 4600/2 Cell : 062 215 8945 Email: <a href="mailto:Abrahamsn@nra.co.za">Abrahamsn@nra.co.za</a></p>
<p>Reg.No. 1998/009584/30</p> 	<p>SANRAL <b>Western Region</b> 1 Havenga Street, Oakdale, 7530 Private Bag X19, Bellville, 7535 <a href="http://www.sanral.co.za">www.sanral.co.za</a> SANRAL Fraud Hotline: 0800204558</p>

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The sender therefore does not accept liability for any errors or omissions in the contents of this message, which arise as a result of e-mail transmission. If verification is required please request a hard-copy version. The South African National Roads Agency SOC Ltd, PO Box 415, Pretoria, 0001, South Africa, Tel +27-(0)12 844 8000, [www.nra.co.za](http://www.nra.co.za). This Disclaimer is deemed to form part of the content of this email in terms of Section 11 of the Electronic Communications and Transactions Act, 25 of 2002.

**Date:** 2017/06/28  
**Your Ref:** 132KV/11KV Olifantshoek Substation and Powerline Basic Assessment  
**Attention:** Gabriele Stein  
Savanah Environmental  
Public Participation and Social Consultant  
**Cc:** Roelof Letter (EXM Head of Legal)  
Werner Voigt (SIOC Section Manager: Land Management)  
Jacoline Mans (DAFF chief Forester Northern Cape)

**DRAFT BASIC ASSESSMENT REPORT: 132/11KV OLIFANTSHOEK SUBSTATION AND  
POWERLINE, NORTHERN CAPE PROVINCE**  
RESPONSE TO REVIEW OF BASIC ASSESSMENT REPORT

Dear Gabriele,

EXM Advisory Services has been requested to respond to the basic assessment report on behalf of the Sishen Mine Land Management Division (SIOC). The comments raised by the Department of Agriculture Forestry and Fisheries (Letter: J. Mans, 12/06/2017) and the Sishen Mine (W. Voigt, Section Manager: Land Management) also has reference.

Sishen Iron Ore Company is the landowner of the Farms Brooks 568 and Bredenkamp 567 (hereafter conservation area). The conservation area is in the process of being promulgated as provincial nature reserves under section 33(1) of the National Environmental Management Protected Areas Act, 57 of 2003 (NEMPAA). I draw your attention to section 50(5) of NEMPAA stating no development, construction of farming may be permitted in a national park, nature reserve or world heritage site without the prior written approval of the management authority. In addition reference is made to the regulations pertaining to the management of a nature reserve (GNR99 in GG 35021 of 8 February 2012). EXM is in the process of developing a biodiversity management plan for the conservation area.

The draft Basic Assessment Report (BAR) did not consider the status of the conservation area and this omission poses a potential fatal flaw to the assessment process. The absence of consideration of the status of the conservation area has furthermore been neglected on the limited alternative routes presented in the report.

The landowner SIOC, DAFF and EXM hereby request that due consideration of the status of the conservation area be considered in the BAR and alternative routes be assessed. These alternative

routes should not only consider the likely future status of the properties but also the visual impact on eco-tourism and sense of place. We therefore reserve our right to further comment on the BAR until due consideration of the above as well as DAFF and SIOC comments have been incorporated into the report.

Please note this development is not supported on the current route and can lead to further appeal on the authorisation. EXM also wishes to register as an interested and affected party.

I am certain your understanding of the value of a conservation area is of a high priority and we look forward to your response in this matter and way forward to resolve the concern raised.

Yours sincerely

**Divan van der Merwe**

**Director**

**MSc Environmental Management**

Our Ref:



an agency of the  
Department of Arts and Culture

T: +27 21 462 4502 | F: +27 21 462 4509 | E: info@sahra.org.za  
South African Heritage Resources Agency | 111 Harrington Street | Cape Town  
P.O. Box 4637 | Cape Town | 8001  
www.sahra.org.za

Enquiries: Natasha Higgitt  
Tel: 021 462 4502  
Email: nhiggitt@sahra.org.za  
CaseID: 10127

Date: Friday July 14, 2017  
Page No: 1

## Final Comment

### In terms of Section 38(4) of the National Heritage Resources Act (Act 25 of 1999)

Attention: Savannah Environmental (Pty) Ltd

PO Box 148  
Sunninghill  
2157

**Eskom is proposing to establish a substation and power line which will be used to increase customers Notified Maximum Demand (NMD) from 2.5MVA to 10 MVA as a provision for future developments within the Olifantshoek region. This project is referred to as the Olifantshoek Substation and power line. The Olifantshoek Substation and power line will be comprised of the following: A new 10MVA on-site substation (100m X 100m) to be constructed adjacent to the existing 22/11kV Olifantshoek substation A new overhead 132 kV power line approximately 31 km long to connect directly to the Emil switching station via the new on site substation. The majority of the new power line route will follow the existing Ferrum/Nieuwehoop 400kV and Ferrum/Lewensaar 132kV power lines. The corridor of the new power line will be 300 m with a servitude of 31 m wide. The decommissioning of the existing 22/11kV Olifantshoek Substation**

Savannah Environmental (Pty) Ltd has been appointed by Eskom to conduct an Environmental Impact Assessment (EIA) process for a proposed powerline and sub-station in the Olifantshoek region, Northern Cape Province. An draft Basic Assessment Report has been submitted in support of an Environmental Authorisation Application in terms of the National Environmental Management Act, 1998 (NEMA), NEMA 2017 EIA Regulations. The proposed development will include a 31 km 132kV powerline that will run along an existing gravel road, the N14 highway and existing 400kV powerline. Two alternatives for the 100 m x 100 m sub-station located within Olifantshoek will be considered.

Cedar Tower Services were appointed to provide Heritage input into the BAR.

*Lavin, J and Bluff, K. 2016. Heritage Screener: Eskom Substation and Power Line Olifantshoek, Northern Cape Province.*

The Heritage Screener noted that the proposed development footprint has been extensively disturbed due to the existing infrastructure such as the roads and the powerlines. The footprint of the proposed development has previously been assessed in 2007 and 2014. In both these previous assessments, only ephemeral

Our Ref:



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Department of Arts and Culture

T: +27 21 462 4502 | F: +27 21 462 4509 | E: [info@sahra.org.za](mailto:info@sahra.org.za)  
South African Heritage Resources Agency | 111 Harrington Street | Cape Town  
P.O. Box 4637 | Cape Town | 8001  
[www.sahra.org.za](http://www.sahra.org.za)

Enquiries: Natasha Higgitt  
Tel: 021 462 4502  
Email: [nhiggitt@sahra.org.za](mailto:nhiggitt@sahra.org.za)  
CaseID: 10127

Date: Friday July 14, 2017  
Page No: 2

scatters of Stone Age artefacts of low significance were identified.

Additionally the Screener noted that the proposed project area is located in areas of moderate, high and unknown palaeontological sensitivity, however, as no deep excavations are anticipated for the project, it is unlikely that palaeontological resources will be impacted.

Recommendations provided include the following:

- No further heritage specialists studies are required; and
- If any heritage resources are discovered during the construction phase of the proposed development, the SAHRA Archaeology, Palaeontology and Meteorites (APM) Unit should be contacted immediately.

In an Interim Comment issued on the 10/10/2016, SAHRA requested that all environmental reports and appendices be submitted to the case so that an informed decision could be issued.

An addendum to the Heritage Screener has been submitted that notes the removal of Alternative 1 for the proposed substation location. The preferred alternative is Alternative 3, a less disturbed area. According to the Heritage Screener, it is unlikely that the development will impact significant heritage resources.

## Final Comment

The SAHRA Archaeology, Palaeontology and Meteorites (APM) Unit has no objection to the proposed development. Additional conditions must be included in the Environmental Management Programme (EMPr):

- A Walk-Down of the final route must be conducted by a qualified archaeologist and palaeontologist. Once completed, a report detailing the results of the walk-down and the assessment of any identified heritage must be submitted to SAHRA for comment. No construction may occur without comment from SAHRA;
- The Final BAR and appendices must be submitted to SAHRA for record purposes;
- If any evidence of archaeological sites or remains (e.g. remnants of stone-made structures, indigenous ceramics, bones, stone artefacts, ostrich eggshell fragments, charcoal and ash concentrations), fossils or other categories of heritage resources are found during the proposed development, SAHRA APM Unit (Natasha Higgitt/John Gribble 021 462 5402) must be alerted. If unmarked human burials are uncovered, the SAHRA Burial Grounds and Graves (BGG) Unit (Mimi Seetelo 012 320 8490), must be alerted immediately. A professional archaeologist or palaeontologist, depending on the nature of the finds, must be contracted as soon as possible to inspect the findings. If the newly discovered heritage resources prove to be of archaeological or palaeontological significance, a Phase 2 rescue operation

Our Ref:



an agency of the  
Department of Arts and Culture

T: +27 21 462 4502 | F: +27 21 462 4509 | E: [info@sahra.org.za](mailto:info@sahra.org.za)  
South African Heritage Resources Agency | 111 Harrington Street | Cape Town  
P.O. Box 4637 | Cape Town | 8001  
[www.sahra.org.za](http://www.sahra.org.za)

Enquiries: Natasha Higgitt  
Tel: 021 462 4502  
Email: [nhiggitt@sahra.org.za](mailto:nhiggitt@sahra.org.za)  
CaseID: 10127

Date: Friday July 14, 2017  
Page No: 3

- may be required subject to permits issued by SAHRA; and
- If the development receives an Environmental Authorisation (EA), SAHRA must be informed and all documents pertaining to the EA must be uploaded to the SAHRIS Case file.

Should you have any further queries, please contact the designated official using the case number quoted above in the case header.

Yours faithfully

---

Natasha Higgitt  
Heritage Officer  
South African Heritage Resources Agency

---

John Gribble  
Manager: Maritime and Underwater Cultural Heritage Unit / Acting Manager: Archaeology, Palaeontology and Meteorites Unit  
South African Heritage Resources Agency

---

**ADMIN:**

Direct URL to case: <http://www.sahra.org.za/node/369650>  
(DEA, Ref: )

**Terms & Conditions:**

1. This approval does not exonerate the applicant from obtaining local authority approval or any other necessary approval for proposed work.
2. If any heritage resources, including graves or human remains, are encountered they must be reported to SAHRA immediately.
3. SAHRA reserves the right to request additional information as required.





## **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

**DEA Reference:** 14/12/16/3/3/1/1781

**Enquiries:** Ms Zamalanga Langa

**Telephone:** 012-399-9389 **E-mail:** [Zlanga@environment.gov.za](mailto:Zlanga@environment.gov.za)

Jo-Anne Thomas  
Savannah Environmental (Pty) Ltd  
P. O Box 148  
**SUNNINGHILL**  
2157

Tel: 086 684 0547

E-Mail: [joanne@savannahsa.com](mailto:joanne@savannahsa.com)

### **PER E-MAIL / MAIL**

Dear Ms Thomas

### **COMMENTS ON THE DRAFT BASIC ASSESSMENT REPORT FOR THE PROPOSED CONSTRUCTION OF A 132/11KV OLIFANTSHOEK SUBSTATION AND POWERLINE, NORTHERN CAPE PROVINCE**

The application for environmental authorisation and the draft Basic Assessment Report (DBAR) dated June 2017 received by the Department on 01 June 2017 and the acknowledgement letter dated 02 June 2017 refers.

This letter serves to inform you that the following information must be included in the final BAR:

- a) Project description provided activity 19, 56 and 12 cannot be linked to activity applied for as it does not include detailed project description. Please ensure that all relevant listed activities applied for, are specific and can be linked to the development activity or infrastructure as described in the project description. Description to be provided must include the size of the activity and must be linked to the activity triggered
- b) It had been indicated that two powerline alternatives was identified, however you failed provide the description and motivation on why the preferred powerline alternative is preferred compared to the other alternative. You are therefore requested to provide adequate motivation as to why the preferred powerline alternatives is preferred compared to the other alternative. The information must be discuss under section 2 of the BAR (*Feasible and Reasonable Alternatives*).
- c) Please ensure that all issues raised and comments received during the circulation of the draft BAR from registered I&APs and organs of state which have jurisdiction (including this Department's Biodiversity Section) in respect of the proposed activity are adequately addressed in the Final BAR.
- d) Proof of correspondence with the various stakeholders must be included in the Final BAR. Should you be unable to obtain comments, proof should be submitted to the Department of the attempts that were made to obtain comments. The Public Participation Process must be conducted in terms of Regulation 39, 40 41, 42, 43 & 44 of the EIA Regulations 2014, as amended.
- e) Regulation 41(c) of the EIA Regulations 2014, as amended requires that a copy of the advert used during the circulation of the BAR be included in the BAR. You are therefore requested to include copy of advert on the final BAR to be submitted and the advert must clearly shows the name of the newspaper and the date on which the advert was placed.

- f) Please also ensure that the BAR includes the period for which the environmental authorisation is required and the date on which the activity will be concluded as per the Appendix 1 (3) (1) (q) of EIA Regulations, 2014, as amended.

### General

You are reminded to comply with regulation 19 (1) (a) of the Environmental Impact Assessment Regulations (2014) as amended, which state that:

*"Where basic assessment must be applied to an application, the applicant must, within 90 days of receipt of the application by the competent authority, submit to the competent authority -*

*(a) a basic assessment report, inclusive of specialist reports, an EMPr, and where applicable a closure plan, which have been subjected to a public participation process of at least 30 days and which reflects the incorporation of comments received, including any comments of the competent authority"*

Should there be significant changes or new information that has been added to the basic assessment report or EMPr which changes or information was not contained in the reports or plans consulted on during the initial public participation process, you are therefore required to comply with regulation 19 (b) which state:

*"notification in writing that the basic assessment report, inclusive of specialist reports an EMPr, and where applicable, a closure plan, will be submitted within 140 days of receipt of the application by the competent authority, as significant changes have been made or significant new information has been added to the basic assessment report or EMPr or, where applicable, a closure plan, which changes or information was not contained in the reports or plans consulted on during the initial public participation process contemplated in subregulation (1) (a) and that the revised reports or, EMPr or, where applicable, a closure plan will be subjected to another public participation process of at least 30 days".*

You are further reminded that the final report to be submitted to this Department must comply with all the requirements in terms of the scope of assessment and content of the basic assessment reports in accordance with Appendix 1 of the EIA Regulations, 2014, as amended.

Should you fail to meet any of the timeframes stipulated in Regulation 19 of the Environmental Impact Assessment Regulations (2014) as amended, your application will lapse.

You are hereby reminded of Section 24F of the National Environmental Management Act, Act No 107 of 1998, as amended, that no activity may commence prior to an environmental authorisation being granted by the Department.

Yours sincerely



**Mr Sabelo Malaza**

**Chief Director: Integrated Environmental Authorisations**

**Department of Environmental Affairs**

**Signed by: Mr. Danie Smit**

**Designation: Deputy Director: Integrated Environmental Authorisations: Protected Areas**

**Date: 19/07/2017**

cc:	Andrea Van Genses	Eskom Holding SOC Limited	<a href="mailto:vGenseAL@eskom.co.za">vGenseAL@eskom.co.za</a>
-----	-------------------	---------------------------	--

**COMMENTS RECEIVED**  
**132/11KV OLIFANTSHOEK SUBSTATION,**  
**NORTHERN CAPE PROVINCE**

Our Ref:



an agency of the  
Department of Arts and Culture

T: +27 21 462 4502 | F: +27 21 462 4509 | E: [info@sahra.org.za](mailto:info@sahra.org.za)  
South African Heritage Resources Agency | 111 Harrington Street | Cape Town  
P.O. Box 4637 | Cape Town | 8001  
[www.sahra.org.za](http://www.sahra.org.za)

Enquiries: Natasha Higgitt  
Tel: 021 462 4502  
Email: [nhiggitt@sahra.org.za](mailto:nhiggitt@sahra.org.za)  
CaseID: 11676

Date: Thursday October 19, 2017  
Page No: 1

## Final Comment

**In terms of Section 38(4), 38(8) of the National Heritage Resources Act (Act 25 of 1999)**

Attention: Savannah Environmental (Pty) Ltd

PO Box 148  
Sunninghill  
2157

**Eskom is proposing to establish a new substation which will be used to increase customers Notified Maximum Demand (NMD) from 2.5MVA to 10 MVA as a provision for future developments within the Olifantshoek region. This project is referred to as the Olifantshoek Substation. This report deals with the proposed substation only, which will comprise of the following: A new 10MVA on-site substation (100m X 100m) The decommissioning of the existing 22/11kV Olifantshoek Substation**

Savannah Environmental (Pty) Ltd has been appointed by Eskom to conduct an Environmental Impact Assessment (EIA) process for a proposed sub-station in the Olifantshoek region, Northern Cape Province. This case was originally submitted to SAHRA on 19 September 2016 (SAHRIS Case ID 10127 <http://sahra.org.za/sahris/cases/olifantshoek-substation-power-line-northern-cape>). A draft Basic Assessment Report was submitted in support of an Environmental Authorisation Application in terms of the National Environmental Management Act, 1998 (NEMA), NEMA 2017 EIA Regulations. The proposed development will include two alternatives for the 100 m x 100 m sub-station located within Olifantshoek.

As per the letter submitted to the current case, Cedar Towers Heritage states that in SAHRAs Final Comment issued on SAHRIS Case ID 10127 on 14 July 2017, SAHRA did not object to the project and provided conditions for the project.

### Final Comment

The SAHRA Archaeology, Palaeontology and Meteorites (APM) Unit has no objection to the proposed development. Additional conditions must be included in the Environmental Management Programme (EMPr):

- The Final BAR and appendices must be submitted to SAHRA for record purposes;
- If any evidence of archaeological sites or remains (e.g. remnants of stone-made structures, indigenous ceramics, bones, stone artefacts, ostrich eggshell fragments, charcoal and ash concentrations), fossils or other categories of heritage resources are found during the proposed development, SAHRA APM Unit (Natasha Higgitt/Phillip Hine 021 462 5402) must be alerted. If unmarked human burials are

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Enquiries: Natasha Higgitt  
Tel: 021 462 4502  
Email: [nhiggitt@sahra.org.za](mailto:nhiggitt@sahra.org.za)  
CaseID: 11676

Date: Thursday October 19, 2017  
Page No: 2

uncovered, the SAHRA Burial Grounds and Graves (BGG) Unit (Thingahangwi Tshivhase/Mimi Seetelo 012 320 8490), must be alerted immediately. A professional archaeologist or palaeontologist, depending on the nature of the finds, must be contracted as soon as possible to inspect the findings. If the newly discovered heritage resources prove to be of archaeological or palaeontological significance, a Phase 2 rescue operation may be required subject to permits issued by SAHRA; and

- If the development receives an Environmental Authorisation (EA), SAHRA must be informed and all documents pertaining to the EA must be uploaded to the SAHRIS Case file.

Should you have any further queries, please contact the designated official using the case number quoted above in the case header.

Yours faithfully

---

Natasha Higgitt  
Heritage Officer  
South African Heritage Resources Agency

---

Phillip Hine  
Acting Manager: Archaeology, Palaeontology and Meteorites Unit  
South African Heritage Resources Agency

**ADMIN:**

Direct URL to case: <http://www.sahra.org.za/node/408138>

**Terms & Conditions:**

1. This approval does not exonerate the applicant from obtaining local authority approval or any other necessary approval for

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Department of Arts and Culture

T: +27 21 462 4502 | F: +27 21 462 4509 | E: [info@sahra.org.za](mailto:info@sahra.org.za)  
South African Heritage Resources Agency | 111 Harrington Street | Cape Town  
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Enquiries: Natasha Higgitt  
Tel: 021 462 4502  
Email: [nhiggitt@sahra.org.za](mailto:nhiggitt@sahra.org.za)  
CaseID: 11676

Date: Thursday October 19, 2017

Page No: 3

proposed work.

2. If any heritage resources, including graves or human remains, are encountered they must be reported to SAHRA immediately.
3. SAHRA reserves the right to request additional information as required.

## Gabriele Stein

---

**From:** Lisa Opperman <lisa.o@savannahsa.com>  
**Sent:** 12 December 2017 09:04  
**To:** WayleaCR@telkom.co.za  
**Cc:** 'Gabriele Stein'  
**Subject:** FW: 132/11KV OLIFANTSHOEK SUBSTATION, NORTHERN CAPE PROVINCE - NOTIFICATION OF BASIC ASSESSMENT REPORT REVIEW PERIOD  
**Attachments:** Olifantshoek SS\_Appendix A1\_Locality Map.pdf

Dear Chris,

I trust you are well.

Please find attached a landowners map which illustrates the affected properties.

Please let me know if you require more information.

Kind regards  
Lisa

**Lisa Opperman**

Environmental Consultant | Savannah Environmental (Pty) Ltd  
Tel: +27 (0)11 656 3237 | Fax: +27 (0)86 684 0547

*[SAWEA Award for Leading Environmental Consultant for Wind Projects in 2013 & 2015](#)*

---

**From:** Wayleave Management Section CR [<mailto:WayleaCR@telkom.co.za>]  
**Sent:** 15 November 2017 16:17  
**To:** Gabriele Stein <[gabriele@savannahsa.com](mailto:gabriele@savannahsa.com)>  
**Subject:** RE: 132/11KV OLIFANTSHOEK SUBSTATION, NORTHERN CAPE PROVINCE - NOTIFICATION OF BASIC ASSESSMENT REPORT REVIEW PERIOD

Good day

Please provide us with sketches/maps that shows the stand numbers. We can't update on Google earth sketches, but can update on Google Map sketches.

Kind regards

Chris Schutte  
Mvelaphande Trading  
[SchutCE5@telkom.co.za](mailto:SchutCE5@telkom.co.za)  
051 401 6701 / 081 045 5686

---

**From:** Gabriele Stein [<mailto:gabriele@savannahsa.com>]  
**Sent:** Wednesday, November 15, 2017 4:12 PM  
**Subject:** 132/11KV OLIFANTSHOEK SUBSTATION, NORTHERN CAPE PROVINCE - NOTIFICATION OF BASIC ASSESSMENT REPORT REVIEW PERIOD

Dear Stakeholder

The Environmental Impact Assessment process (Basic Assessment) for the proposed 132/11kV Olifantshoek Substation in the Northern Cape has reference. A Basic Assessment Report for the proposed project has been prepared by Savannah Environmental and is available for public review. Please refer to the attached

notification letter for further details regarding the proposed project and the availability of the Basic Assessment Report for review.

Please do not hesitate to contact us if you require further details.

Kind regards

**Gabriele Stein**

**Public Participation and Social Consultant**

**Savannah Environmental (Pty) Ltd**

**Tel: 27 11 656 3237**

**Fax: 086 684 0547**

**Email: [gabriele@savannahsa.com](mailto:gabriele@savannahsa.com)**

**[www.savannahsa.com](http://www.savannahsa.com)**

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# Olifantshoek Substation, Northern Cape Province

Layout map

## Legend

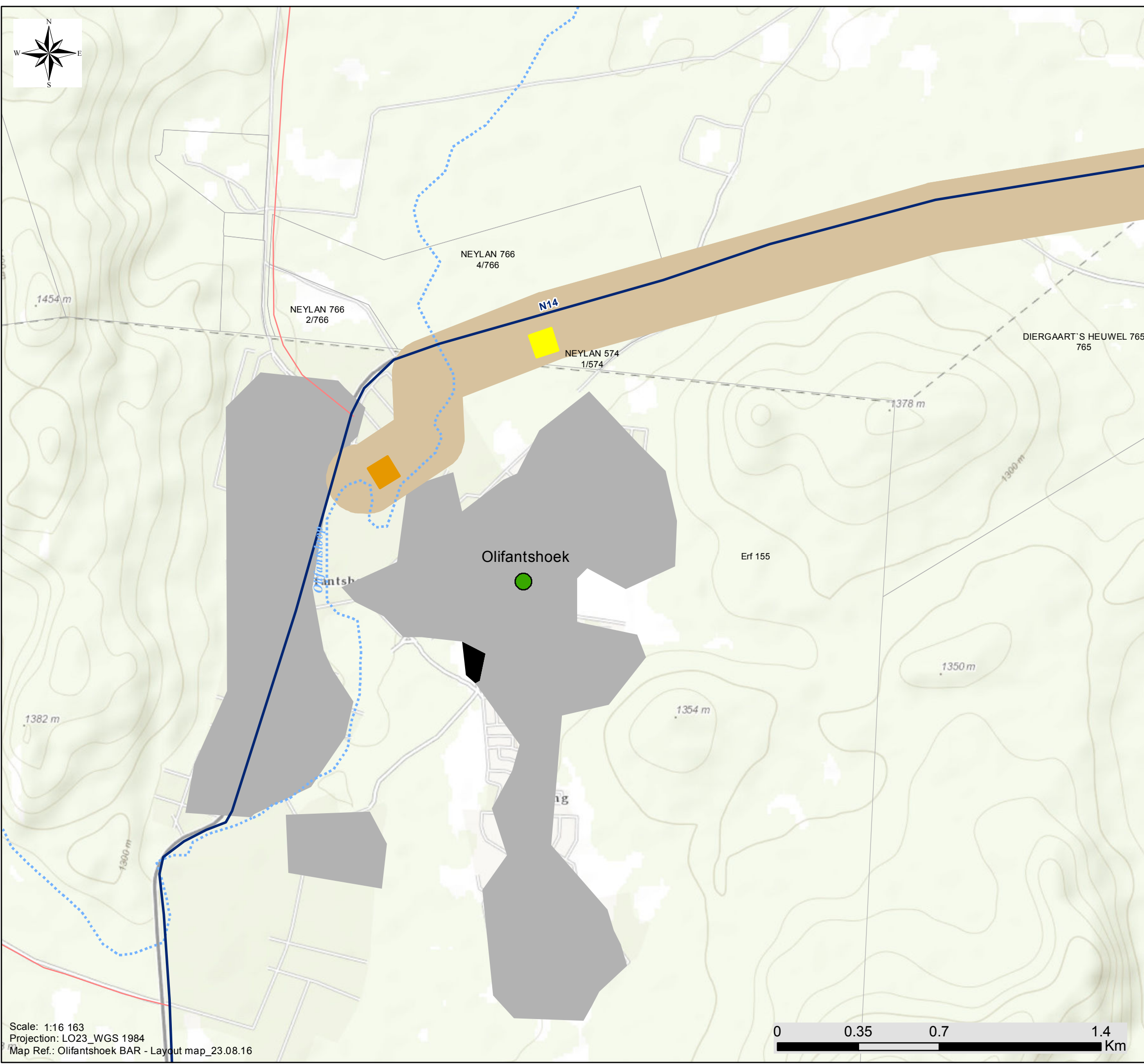
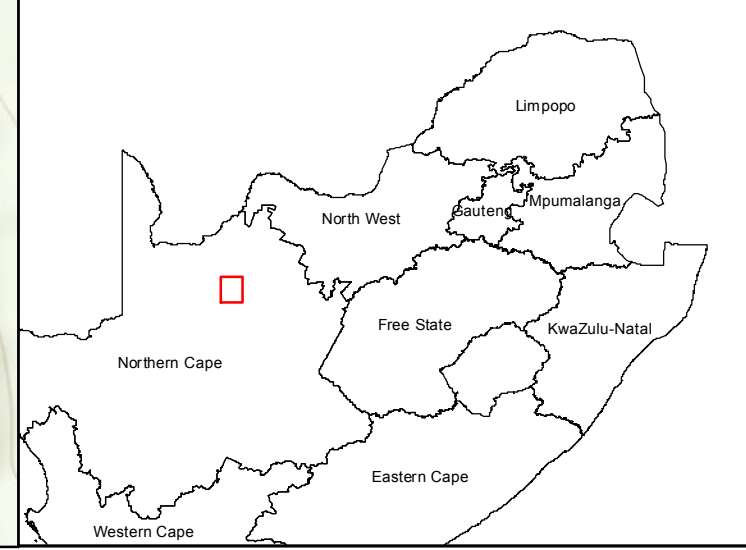
- Town
- National road
- Main road
- Perennial river
- Non-perennial river
- Farm Portions

## Land Use:

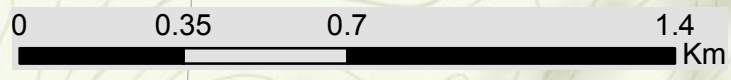
- Degraded
- Built-Up Area

## Layout Plan:

- Power Line 300m Corridor
- Preferred
- Alternative



Scale: 1:16 163  
Projection: LO23\_WGS 1984  
Map Ref.: Olifantshoek BAR - Layout map\_23.08.16



## Gabriele Stein

---

**From:** Wilma Lutsch <Wlutsch@environment.gov.za>  
**Sent:** 16 November 2017 09:31  
**To:** Gabriele@savannahsa.com  
**Cc:** Stanley Tshitwamulomoni  
**Subject:** FW: 132/11KV OLIFANTSHOEK SUBSTATION, NORTHERN CAPE PROVINCE - NOTIFICATION OF BASIC ASSESSMENT REPORT REVIEW PERIOD  
**Attachments:** Olifantshoek Sub Station DBAR Notice 15.11.17.pdf; Reply Form.pdf  
**Follow Up Flag:** Follow up  
**Flag Status:** Completed

Hi Gabriele

I would appreciate it if you could send us a CD of the BAR.

Address: Environment House  
Cnr Steve Biko and Soutpansberg Road  
Arcadia  
Pretoria

Thanks

Wilma Lutsch  
Director: Biodiversity Conservation  
Tel 012 3998827

---

**From:** Gabriele Stein [mailto:gabriele@savannahsa.com]  
**Sent:** 15 November 2017 04:12 PM  
**Subject:** 132/11KV OLIFANTSHOEK SUBSTATION, NORTHERN CAPE PROVINCE - NOTIFICATION OF BASIC ASSESSMENT REPORT REVIEW PERIOD

Dear Stakeholder

The Environmental Impact Assessment process (Basic Assessment) for the proposed 132/11kV Olifantshoek Substation in the Northern Cape has reference. A Basic Assessment Report for the proposed project has been prepared by Savannah Environmental and is available for public review. Please refer to the attached notification letter for further details regarding the proposed project and the availability of the Basic Assessment Report for review.

Please do not hesitate to contact us if you require further details.

Kind regards

**Gabriele Stein**

**Public Participation and Social Consultant**

**Savannah Environmental (Pty) Ltd**

**Tel: 27 11 656 3237**

**Fax: 086 684 0547**

**Email: [gabriele@savannahsa.com](mailto:gabriele@savannahsa.com)**

**[www.savannahsa.com](http://www.savannahsa.com)**

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## Gabriele Stein

---

**From:** Gabriele Stein <gabriele@savannahsa.com>  
**Sent:** 16 November 2017 15:54  
**To:** 'Wilma Lutsch'  
**Cc:** 'Stanley Tshitwamulomoni'  
**Subject:** RE: 132/11KV OLIFANTSHOEK SUBSTATION, NORTHERN CAPE PROVINCE - NOTIFICATION OF BASIC ASSESSMENT REPORT REVIEW PERIOD  
**Attachments:** DEA Biodiversity Memo 15.11.2017.pdf

Dear Wilma,

A CD of the BAR was submitted via the Registry on 15 November 2017. Please see attached proof of submission.

Kind regards,

**Gabriele Stein**

Public Participation and Social Consultant | Savannah Environmental (Pty) Ltd  
Tel: +27 (0)11 656 3237 | Fax: +27 (0)86 684 0547

[SAWEA Award for Leading Environmental Consultant for Wind Projects in 2013 & 2015](#)

---

**From:** Wilma Lutsch [mailto:Wlutsch@environment.gov.za]  
**Sent:** 16 November 2017 09:31  
**To:** Gabriele@savannahsa.com  
**Cc:** Stanley Tshitwamulomoni <StanleyT@environment.gov.za>  
**Subject:** FW: 132/11KV OLIFANTSHOEK SUBSTATION, NORTHERN CAPE PROVINCE - NOTIFICATION OF BASIC ASSESSMENT REPORT REVIEW PERIOD

Hi Gabriele

I would appreciate it if you could send us a CD of the BAR.

Address: Environment House  
Cnr Steve Biko and Soutpansberg Road  
Arcadia  
Pretoria

Thanks

Wilma Lutsch  
Director: Biodiversity Conservation  
Tel 012 3998827

---

**From:** Gabriele Stein [mailto:[gabriele@savannahsa.com](mailto:gabriele@savannahsa.com)]  
**Sent:** 15 November 2017 04:12 PM  
**Subject:** 132/11KV OLIFANTSHOEK SUBSTATION, NORTHERN CAPE PROVINCE - NOTIFICATION OF BASIC ASSESSMENT REPORT REVIEW PERIOD

Dear Stakeholder

The Environmental Impact Assessment process (Basic Assessment) for the proposed 132/11kV Olifantshoek Substation in the Northern Cape has reference. A Basic Assessment Report for the proposed project has been prepared by Savannah Environmental and is available for public review. Please refer to the attached

notification letter for further details regarding the proposed project and the availability of the Basic Assessment Report for review.

Please do not hesitate to contact us if you require further details.

Kind regards

**Gabriele Stein**

**Public Participation and Social Consultant**

**Savannah Environmental (Pty) Ltd**

**Tel: 27 11 656 3237**

**Fax: 086 684 0547**

**Email: [gabriele@savannahsa.com](mailto:gabriele@savannahsa.com)**

**[www.savannahsa.com](http://www.savannahsa.com)**

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# MEMO

<b>DATE:</b>	15 November 2017
<b>TO:</b>	Department of Environmental Affairs
<b>ATT:</b>	Wilma Lutsch
<b>REFERENCE:</b>	
<b>OUR REFERENCE:</b>	SE1653

Please acknowledge receipt of 1 CD of the Basic Assessment report for review for the 132/11kV Olifantshoek Substation, Northern Cape

NAME OF RECIPIENT:

*DEES*

SIGNATURE:

ENVIRONMENTAL AFFAIRS INT ENV AUTH
2017 -11- 15
SIGN: <i>[Signature]</i>

DATE RECEIVED:

STAMP:

## Gabriele Stein

---

**From:** Bongiwe Mxaku <Bongiwe.Mxaku@energy.gov.za>  
**Sent:** 15 November 2017 11:26  
**To:** gabriele@savannahsa.com  
**Cc:** Lufuno Madzhe; Phindeka Phunzana; Sebastian Khoza  
**Subject:** EIA of Olifantshoek

Dear Gabriele

Our telephone conversation this morning refers:

You indicated that the project has been broken into two phases , one phase for Power line construction , with its report already submitted to Dept Environmental Affairs and the other phase is for the Sub/station which you are still busy with.

Please be kind and confirm the date by these EIA will be completed.

If you would like to send us any hard/soft copies find herewith the DoE business address:

65 Phakamile Mabija Street  
Perm building ,3<sup>rd</sup> Floor  
Kimberley  
8300

Best  
Bongiwe Mxaku  
Mobile:082 449 2401  
Office: 053 836 4004/9/11

"Today is a fresh start.  
I will surpass all past performances!!!

---

This e-mail message is subject to the Department of Energy disclaimer, which may be viewed by clicking on the following link: <http://www.energy.gov.za/disclaimer.htm>

## Gabriele Stein

---

**From:** Gabriele Stein <gabriele@savannahsa.com>  
**Sent:** 15 November 2017 17:33  
**To:** 'Bongiwe Mxaku'  
**Cc:** 'Lufuno Madzhie'; 'Phindeka Phunzana'; 'Sebastian Khoza'  
**Subject:** EIA of Olifantshoek Substation  
**Attachments:** Reply Form.pdf; Olifantshoek Sub Station DBAR Notice 15.11.17.pdf

Dear Bongiwe

Please see attached notification regarding the availability of the Basic Assessment Report for Eskom's proposed Olifantshoek 132/11KV Olifantshoek Substation project, Northern Cape Province.

The Final Basic Assessment Report for the 132kV Power Line, Northern Cape Province has been submitted to the Department of Environmental Affairs (DEA). The DEA's decision is expected in February 2018.

The decision regarding the Olifantshoek Substation is expected in May 2018.

Please do not hesitate to contact me if you have further queries in this regard.

Kind regards,

**Gabriele Stein**

Public Participation and Social Consultant | Savannah Environmental (Pty) Ltd  
Tel: +27 (0)11 656 3237 | Fax: +27 (0)86 684 0547

[SAWEA Award for Leading Environmental Consultant for Wind Projects in 2013 & 2015](#)

---

**From:** Bongiwe Mxaku [mailto:Bongiwe.Mxaku@energy.gov.za]  
**Sent:** 15 November 2017 11:26  
**To:** gabriele@savannahsa.com  
**Cc:** Lufuno Madzhie <Lufuno.Madzhie@energy.gov.za>; Phindeka Phunzana <Phindeka.Phunzana@energy.gov.za>; Sebastian Khoza <Sebastian.Khoza@energy.gov.za>  
**Subject:** EIA of Olifantshoek

Dear Gabriele

Our telephone conversation this morning refers:

You indicated that the project has been broken into two phases , one phase for Power line construction , with its report already submitted to Dept Environmental Affairs and the other phase is for the Sub/station which you are still busy with.

Please be kind and confirm the date by these EIA will be completed.

If you would like to send us any hard/soft copies find herewith the DoE business address:

65 Phakamile Mabija Street  
Perm building ,3<sup>rd</sup> Floor  
Kimberley  
8300



Best  
Bongiwe Mxaku  
Mobile:082 449 2401  
Office: 053 836 4004/9/11

“Today is a fresh start.  
I will surpass all past performances!!!

---

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## Gabriele Stein

---

**From:** Lisa Opperman <lisa.o@savannahsa.com>  
**Sent:** 12 December 2017 08:58  
**To:** MsimangoP@dws.gov.za  
**Cc:** 'Gabriele Stein'  
**Subject:** RE: 132/11KV OLIFANTSHOEK SUBSTATION, NORTHERN CAPE PROVINCE - NOTIFICATION OF BASIC ASSESSMENT REPORT REVIEW PERIOD  
**Attachments:** Appendix E5 - Comments and Responses Report.pdf

Dear Philani,

I trust you are well.

Kindly note that the comments submitted on 05-10-2017 (dated 03-10-17 in the letter) were included and responded to as part of the comments and responses report which was submitted to DEA as part of the final Basic Assessment Report for the 132kV Olifansthoek Power Line project. Kindly refer to pages 1-7 for the comments and the responses in the attached comments and responses report.

Please let me know if there is anything else you need clarity on.

Kind regards  
Lisa

**Lisa Opperman**

Environmental Consultant | Savannah Environmental (Pty) Ltd  
Tel: +27 (0)11 656 3237 | Fax: +27 (0)86 684 0547

*[SAWEA Award for Leading Environmental Consultant for Wind Projects in 2013 & 2015](#)*

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**From:** Msimango Philani (KBY) [<mailto:MsimangoP@dws.gov.za>]  
**Sent:** 17 November 2017 09:44  
**To:** Gabriele Stein <[gabriele@savannahsa.com](mailto:gabriele@savannahsa.com)>  
**Cc:** Thebe Setshego(KBY) <[ThebeS@dws.gov.za](mailto:ThebeS@dws.gov.za)>  
**Subject:** RE: 132/11KV OLIFANTSHOEK SUBSTATION, NORTHERN CAPE PROVINCE - NOTIFICATION OF BASIC ASSESSMENT REPORT REVIEW PERIOD

Good Day

Your basic assessment report for Eskom makes reference. Kindly take note that there were comments forwarded to your office via email dated 05/10/2017 as part of the response to your draft basic assessment report. These were not included (or addressed) in the final BA report and therefore the comments still stands. I have taken to liberty of attaching the comments and the email sent to you by our administrative official.

Please also refrain from referring to me as the Acting Lower Vaal Manager as I am not. My title is listed in my email signature.

Regards

**P. Msimango** (Cert.Sci.Nat) - Earth Sciences  
**BSc - Geological Sciences** (UKZN), **BSc Hons - Geohydrology** (UFS - IGS)  
**Control Scientific Technician**  
**Water Quality Management**  
**Lower Vaal Business Unit**  
**Vaal River Proto - Catchment Management Agency**  
M: +27 83 289 0121/ + 27 83 571 9981

E: [msimangop@dws.gov.za](mailto:msimangop@dws.gov.za)

T: +27 53 836 7649

Private Bag X6101 | 28 Central Road | Beaconsfield | Kimberley | 8301

"It's a melancholy truth that even great men have poor relations" - Charles Dickens

**19 November**  
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**water & sanitation**  
Department:  
Water and Sanitation  
REPUBLIC OF SOUTH AFRICA



UN WATER  
**WORLD  
TOILET  
DAY**



**From:** Gabriele Stein [<mailto:gabriele@savannahsa.com>]

**Sent:** Wednesday, November 15, 2017 4:12 PM

**Subject:** 132/11KV OLIFANTSHOEK SUBSTATION, NORTHERN CAPE PROVINCE - NOTIFICATION OF BASIC ASSESSMENT REPORT REVIEW PERIOD

Dear Stakeholder

The Environmental Impact Assessment process (Basic Assessment) for the proposed 132/11kV Olifantshoek Substation in the Northern Cape has reference. A Basic Assessment Report for the proposed project has been prepared by Savannah Environmental and is available for public review. Please refer to the attached notification letter for further details regarding the proposed project and the availability of the Basic Assessment Report for review.

Please do not hesitate to contact us if you require further details.

Kind regards

**Gabriele Stein**

**Public Participation and Social Consultant**

**Savannah Environmental (Pty) Ltd**

**Tel: 27 11 656 3237**

**Fax: 086 684 0547**

**Email: [gabriele@savannahsa.com](mailto:gabriele@savannahsa.com)**

**[www.savannahsa.com](http://www.savannahsa.com)**

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## **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

**DEA Reference:** 14/12/16/3/3/1/1856

**Enquiries:** Ms Zamalanga Langa

**Telephone:** 012-399-9389 **E-mail:** [Zlanga@environment.gov.za](mailto:Zlanga@environment.gov.za)

Ms Jo-Anne Thomas  
Savannah Environmental (Pty) Ltd  
P. O Box 148  
**SUNNINGHILL**  
2157

Tel: (011) 656 3237

E-Mail: [joanne@savannahsa.com](mailto:joanne@savannahsa.com)

### **PER E-MAIL / MAIL**

Dear Ms Thomas

### **COMMENTS ON THE DRAFT BASIC ASSESSMENT REPORT FOR THE CONSTRUCTION OF A 132/11 KV OLIFANTSHOEK SUBSTATION, NORTHERN CAPE PROVINCE.**

The application for environmental authorisation and the draft Basic Assessment Report (DBAR) dated November 2017 and received by the Department on 15 November 2017 and the acknowledgement letter dated 21 November 2017 refers.

This letter serves to inform you that the following information must be included in the final BAR:

- a) Kindly ensure that the BAR includes the period for which the environmental authorization is required and the date on which the activity will be concluded as per the Appendix 1 (3)(1)(q) of EIA Regulations, 2014, as amended.
- b) Please ensure that proof of all consultations conducted during the Public Participation Process must be included in the final BAR. Please ensure that the Public Participation Process for the proposed upgrades is conducted in terms of Regulation 39, 40, 41, 42, 43 & 44 of the EIA Regulations, 2014.
- c) Proof of correspondence with the various stakeholders must be included in the final BAR. Should you be unable to obtain such comments, proof should be submitted to the Department of the attempts that were made to obtain the comments.
- d) Please ensure that all issues raised and comments received during the circulation of the draft BAR from registered I&APs and organs of state which have jurisdiction (including this Department's Biodiversity Section) in respect of the proposed activity are adequately addressed in the Final BAR.

### **General:**

You are hereby reminded that should the BAR fail to comply with the requirements of this comment letter, the environmental authorisation may be refused. Should you require further clarity regarding the above project you are welcome to request a meeting with the Department to discuss your report and this comments

You are further reminded that the final BAR to be submitted to this Department must comply with all the requirements in terms of the scope of assessment and content of basic assessment reports and EMPr in accordance with Appendix 1, Appendix 4 and Regulation 19(1) (a) of the Environmental Impact Assessment Regulations (2014).

Further note that in terms of Regulation 45 of the EIA Regulations, 2014, this application will lapse if the applicant fails to meet any of the timeframes prescribed in terms of the these Regulations, unless an extension has been granted in terms of Regulation 3 (7).

Kindly provide the Department with an electronic copy (CD) of the full version of the application form which has been signed where required and annexures. You are further reminded to provide the Department with one (1) hard copy and one (1) electronic copy of the final BAR, the final Basic Assessment must be in colour.

You are further requested to submit an electronic copy (CD) of the draft BAR as it was not submitted together with the hard copy received by the Department on 15 November 2017. The CD is required for electronic filing purposes and it can submitted together with final BAR.

You are hereby reminded of Section 24F of the National Environmental Management Act, Act No 107 of 1998, as amended, that no activity may commence prior to an environmental authorization being granted by the Department.

Yours sincerely



**Mr Sabelo Malaza**  
**Chief Director: Integrated Environmental Authorisations**  
**Department of Environmental Affairs**  
**Signed by: Mr. Danie Smit**  
**Designation: Deputy Director: Integrated Environmental Authorisations: Protected Areas**  
**Date: 12/12/2017.**

cc: Andrea van Gensen	Eskom Holding SOC limited	Email: <a href="mailto:vGenseAL@eskom.co.za">vGenseAL@eskom.co.za</a>
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## Gabriele Stein

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**From:** Lisa Opperman <lisa.o@savannahsa.com>  
**Sent:** 18 December 2017 15:23  
**To:** 'Gabriele Stein'  
**Subject:** FW: 132/11KV OLIFANTSHOEK SUBSTATION, NORTHERN CAP PROVINCE - NOTIFICATION OF BASIC ASSESSMENT REPORT REVIEW PERIOD  
**Attachments:** COLK0588-17 UPDATED SKETCH.pdf; COLK0588-17 COVER LETTER.pdf  
**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

Hi Gabi,

Please see the comment for the Olifantshoek Substation below and attached.

Kind regards  
Lisa

**Lisa Opperman**

Environmental Consultant | Savannah Environmental (Pty) Ltd  
Tel: +27 (0)11 656 3237 | Fax: +27 (0)86 684 0547

[SAWEA Award for Leading Environmental Consultant for Wind Projects in 2013 & 2015](#)

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**From:** Mantwa Gabaitumele (MA) [mailto:GabaiMA2@telkom.co.za]  
**Sent:** Monday, December 18, 2017 3:21 PM  
**To:** lisa.o@savannahsa.com  
**Cc:** Vivian Groenewald (VR) <VivianG@openseve.co.za>  
**Subject:** 132/11KV OLIFANTSHOEK SUBSTATION, NORTHERN CAP PROVINCE - NOTIFICATION OF BASIC ASSESSMENT REPORT REVIEW PERIOD

Good Day

With reference to your above-mentioned application, I hereby inform you that our Client (OPENSERVE) approves the proposed work indicated on your drawings in terms Section 22 of the Electronic Communications Act 36 of 2005 as amended.

Any changes/deviations from the original planning during or prior to construction must immediately be communicated to this office.

**Mr Vivian Groenewald must be contacted at 054 338 6501 / 081 362 6738, (Two) weeks prior of commencement on construction work.**

Regards

Mantwa Aletta Gabaitumele  
Mvelaphande Trading  
[GabaiMA2@telkom.co.za](mailto:GabaiMA2@telkom.co.za)  
051-4016942 / 0825216813/079 693 7401

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Mvelaphande Trading

**Mvelaphande Trading**  
P O Box 12534  
BRANDHOF  
9324

**Enquiries:** Mantwa Gabaitumele  
**Telephone:** 051 - 401 6942/ 0825216813  
**E-mail:** GabaiMA2@telkom.co.za

Our reference: **COLK0588-17**

Your reference: N/A

18 December 2017

SAVANNAH ENVIRONMENTAL  
JOHANNESBURG  
2000

**132/11KV OLIFANTSHOEK SUBSTATION, NORTHERN CAP PROVINCE - NOTIFICATION OF BASIC ASSESSMENT REPORT REVIEW PERIOD**

With reference to your letter dated 12 December 2017.

With reference to your above-mentioned application, I hereby inform you that our Client (Openserve) approves the proposed work indicated on your drawings in terms Section 29 of the Electronic Communications Act 36 of 2005 as amended.

Any changes/deviations from the original planning during or prior to construction must immediately be communicated to this office.

Approval is granted, subject to the following conditions, as per attached drawings supplied, our Client (Openserve) 's overhead and underground infrastructure will be affected as indicated in **GREEN**. **We did our utmost to ensure that we indicate our route as accurate as possible and should you discover any of our cables that are not on the sketch please stop and contact us immediately to arrange a site meeting. Please make use of pilot holes in order not too damage our infrastructure.** Therefore any damages occurred during construction of work will be repaired at the customer's account. Our Client (Openserve) infrastructure must be regarded as approximate only.

Aerial Plant - At points of crossing, the overhead power lines should cross above the communications lines in accordance with and clearances stipulated in the Occupational Health and safety Act no 85 of 1993, Machinery regulations 20 – Crossings, and Electrical machinery Regulations 15 – Clearance of Power Lines. If the specifications could not be met, all deviation costs will be for the applicant's account. We also refer to section 25 of Electronic Communication Act 36 of 2005.

At points of crossing, the overhead power line should cross over the overhead communication lines with a minimum vertical separation of **0.8** meters.

Suitable protection as laid down in section 5 of the Code of Practice should be provided at all important crossings.

The crossing of supply lines or overhead service mains directly above or adjacent to communication poles must be avoided if possible. If not clearance of **3** meters must be provided.

In order to minimize noise induction into the telecommunication systems, the angle of crossing between the overhead power line and all communication lines, should be as near to a right angle as possible – the following deviation from the right angle being permitted at:

- Power voltage of 48 kV and higher - 30 degrees
- Power voltage of lower than 48 kV - 45 degrees

.....SWER must be as near as 90 degrees as possible

Approved on condition that, should it later be found necessary to deviate the existing communication line due to existing noise interference or any other reason whatsoever, the cost of such remedial action shall be repayable.

Paragraph 2.4.1 of the Code of Practice stipulates the minimum acceptable horizontal separation between power and the communication lines and where this cannot be met, the design of the power line is also stipulated. This could apply between the attached plans and these requirements should strictly be adhered to.

In cases where an underground power cable will run parallel with an existing underground communication cable, a separation as great as possible should be maintained with a minimum separation of 600mm. should the separation be less than 600mm and the power cable are not enclosed in a suitable pipe, a concrete slab must be provided immediately above the power cable for the length of parallelism. If the separation is less than 300mm, additional protection is required by placing concrete slabs between our Client (OPENSERVE) cables/pipes and the power cables.

Underground Crossings - At the points where our Client (OPENSERVE)'s existing underground communication cable will be crossed by an underground cable; the latter should be laid a depth of at least 300mm below the communication cable – normally laid at a depth of 600mm. If the power cable is not enclosed in a suitable pipe, protection in the form of a concrete slab should be provided immediately above the power cable for a minimum of 2 (Two) metres on either side of crossing.

Calculations have shown that an earth fault on the high voltage Power lines will induce excessive low frequency induction into the Communication lines. As a result of this, the cost to deviate / alter the communication lines to prevent this induction will be for the power provider.

Relocations of our Client (Openserve) plant will be done at customer's request and will be a repayable project.

Please notify the office within 21 working days from date of this letter of acceptance and if any alternative proposal is available of if a recoverable work should commence, the liaison officer is **Mantwa Gabaitumele** at tel. no. **051 – 401 6942**.

As important cables are affected, **Mr Vivian Groenewald must be contacted at 054 338 6501 / 081 362 6738, 2 (Two) weeks prior of commencement on construction work. It would be appreciated if this office can be notified within 30 days on completion of construction work.** Confirmation is required on completion of construction as per agreed requirements.

**On completion of this project please certify that all requirements as stipulated in this letter have been met. Please note that should any of our Client (Openserve) infrastructure has to be relocated or altered as a result of your activities the cost for such alterations or relocations will be for your account in terms of section 25 of the Electronic Communications Act.**

This approval is valid for 6 months only, after which re-application must be made if the work has not been completed.

Should our Client (Openserve) infrastructure be damaged while work is undertaken, kindly call the Toll free number **0800203951** immediately

All of our Client (Telkom SA SOC Ltd) rights remain reserved.

**Mr Vivian Groenewald must be contacted at 054 338 6501 / 081 362 6738, 2 (Two) weeks prior of commencement on construction work.**

Yours faithfully



MANTWA GABAITUMELE



### OPENSERVE LEGEND

- UNDERGROUND ROUTE
- MANHOLE
- SDC
- PILLAR JOINT
- PIPE JUNCTION BOX
- OVERHEAD ROUTE
- POLE

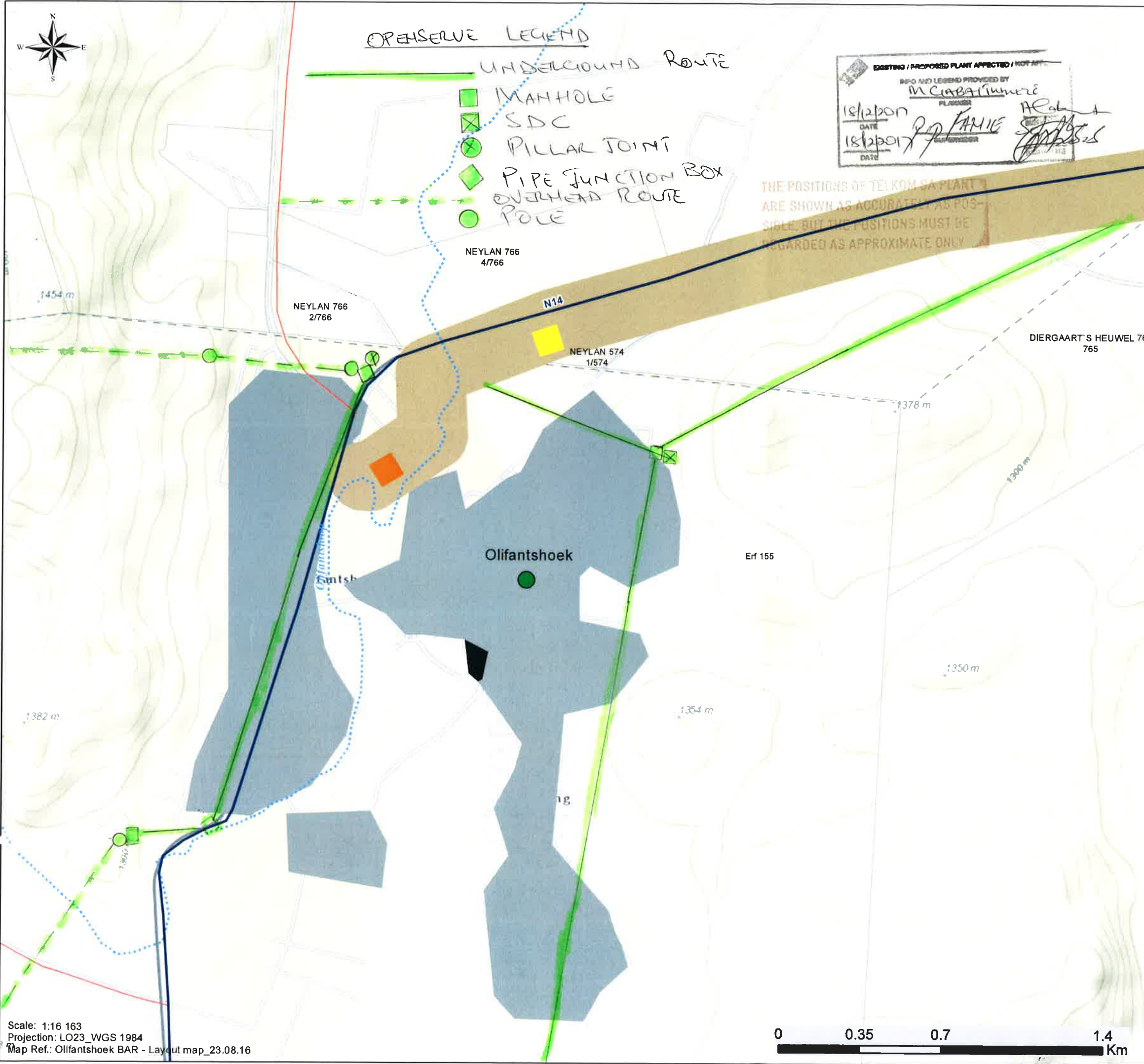
EXISTING / PROPOSED PLANT AFFECTED / NOT AFFECTED

INFO AND LEGEND PROVIDED BY  
**M. CABALIMHRE**  
PLANNING

18/12/2017 DATE  
**P.P. FANIE** PROJECT MANAGER

18/12/2017 DATE  
**[Signature]** [Title]

THE POSITIONS OF TELKOM SA PLANT ARE SHOWN AS ACCURATELY AS POSSIBLE, BUT THE POSITIONS MUST BE REGARDED AS APPROXIMATE ONLY



# Olifantshoek Substation, Northern Cape Province

Layout map

## Legend

- Town
- National road
- Main road
- Perennial river
- Non-perennial river
- Farm Portions

## Land Use:

- Degraded
- Built-Up Area

## Layout Plan:

- Power Line 300m Corridor
- Preferred
- Alternative

savannah environmental

