

Comments Received

## Commencement of Basic Assessment Process

## Organs of State

South African Radio Astronomy Observatory  
(SARAO)

**BASIC ASSESSMENT and PUBLIC PARTICIPATION PROCESS**

**OLIFANTSHOEK 132kV POWER LINE, OLIFANTSHOEK, NORTHERN CAPE PROVINCE**

**REGISTRATION AND COMMENT FORM  
(February 2020)**

Return completed reply form to: **Savannah Environmental**

Fax: **086 684 0547**

Phone: **011 656 3237**

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

Postal Address: **PO Box 148, Sunninghill, 2157**

**Please provide your complete contact details:**

Name & Surname:	Selaelo Matlhane		
Designation	Spectrum and Telecoms Manager		
Department / Organisation:	SARAO		
Postal Address:	17 Baker Street, Rosebank		
Telephone:	011 442 2434	Fax:	
Cell phone:	082 565 2071		
E-mail:	smatlhane@ska.ac.za		

**Would you like to register as an interested and affected party (I&AP)?** YES  X  
 (please tick the relevant box) NO

Note: You are required to register as an I&AP to receive further correspondence regarding the BA process for the project.

**Please state your interest in the project** (add additional pages if necessary):

SARAO, among other responsibilities, oversees the maintenance of a radio quiet zone for the SKA radio telescope.

**Please list your comments regarding the project** (add additional pages if necessary):

The high voltage transmission line causes radiated electromagnetic emissions of the magnitude that depends on the characteristics of the conductor itself. Our interest in the project is on the emissions that will be radiated by the proposed line and its impact on the SKA. We, therefore, require detailed specification of the line as well as the vector file showing the line path between the two substation

**Please provide contact details of other persons who you regard as a potential interested or affected party:**

Name & Surname:	
Organisation & Designation:	
Telephone:	
Cell phone No.:	
E-mail:	

Telkom  
(OpenServe)



Mvelaphande Trading

Mvelaphande Trading  
44 B Mill Street  
BLOEMFONTEIN  
9300

**Enquiries:** Lehlohonolo Roestof  
**Telephone:**  
**Fax :**  
E-mail :

Our reference: COLK0052-20

Your reference:

4 March 2020

SAVANNAH ENVIROMENTAL  
5 Woodmead drive  
**WOODMEAD**  
2191

**OLIFANTSHOEK 132KV POWERLINE, OLIFANTSHOEK, NORTHEN CAPE**

With reference to your mail dated 25 February 2020.

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 infrastructure is affected by this proposal and the route is highlighted in **GREEN** on attached sketch as accurately as possible. **We did our utmost to ensure that we indicate our route as accurate as possible and should you discover any of our cables that is not on the sketch please stop and contact us immediately to arrange a site meeting. In the event that our cables are exposed and damaged/stolen by a third party the damages will be repaired at the customer's account. 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.

As important cables are affected, **Mr Vivian Groenewald must be contacted at 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.

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.

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 0.6 meters.

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 lower than 48 kV - 45 degrees

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.

Relocations of our Client's (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 **Lehlohonolo Roestof** at tel. no.

**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.**

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

All of our Client (Openserve) rights remain reserved.

**Mr Vivian Groenewald must be contacted at commencement of work.**

**TWO (2) weeks before any**

Yours faithfully



L. Roestof



# Olifantshoek 132kV Power Line, Northern Cape

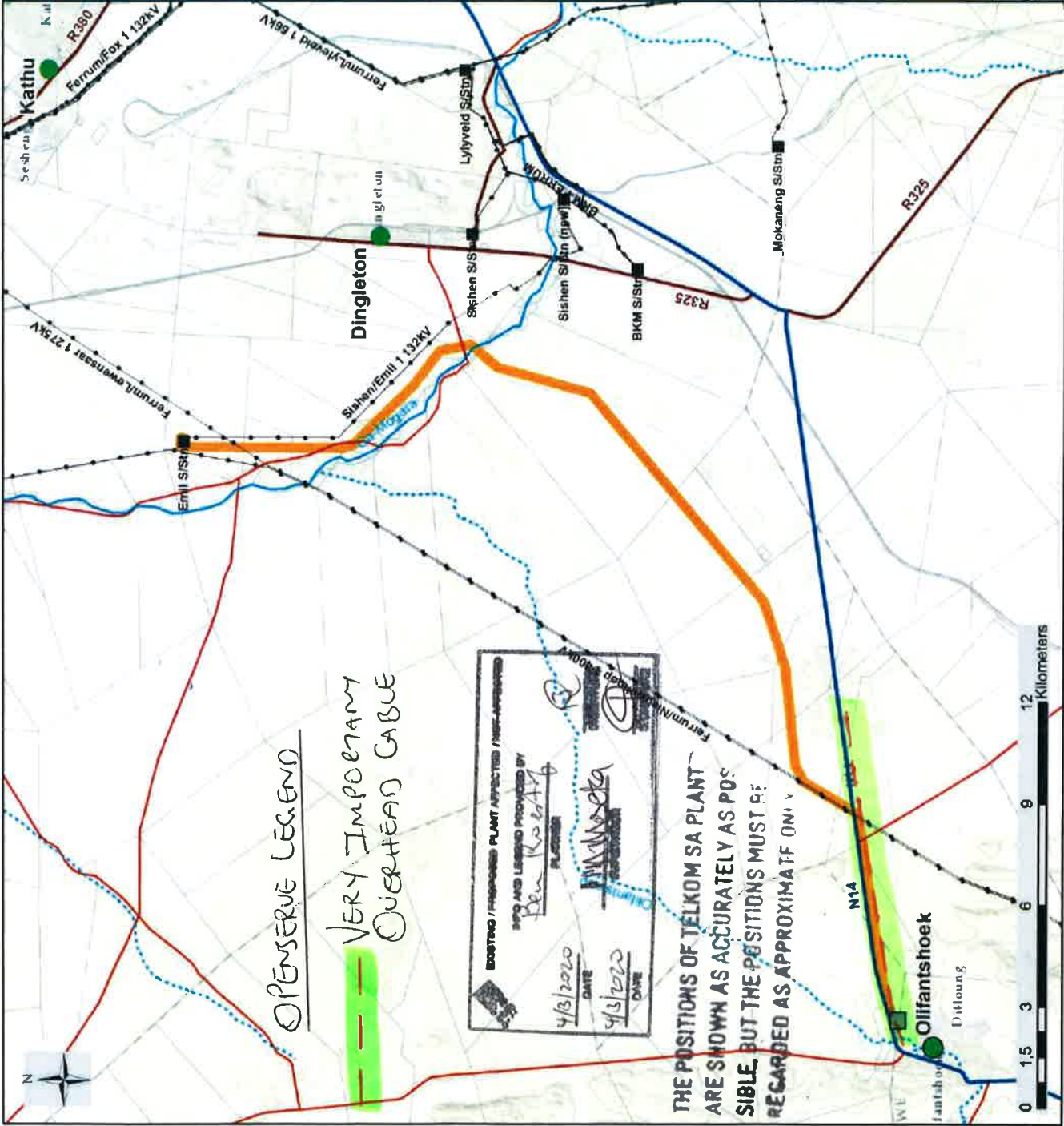
## Locality Map

### Legend

- Town
- Eskom Substations
- Eskom Power Line
- Perennial River
- - - Non-perennial River
- National Route
- Regional Road
- Main Road
- Railway Line
- Authorised Olifantshoek Substation
- Proposed 300m Power Line Corridor
- Farm Portions

savannah  
environmental

Scale: 1 : 3 000 000  
Projection: LO21  
Ref: Olifantshoek 132kV Power Line, Northern Cape



OPENSERVE LEGEND  
 VERY IMPROBETARY  
 OVERHEAD CABLE

**EXISTING / PROPOSED PLANT AFFECTED / NOT-AFFECTED**

**INFO AND LEGEND PROVIDED BY:** Ben Koopman

**DATE:** 4/3/2020

**DATE:** 4/3/2020

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



## Interested and Affected Parties

**BASIC ASSESSMENT and PUBLIC PARTICIPATION PROCESS**

**OLIFANTSHOEK 132KV POWER LINE, OLIFANTSHOEK, NORTHERN CAPE PROVINCE**

**REGISTRATION AND COMMENT FORM**

**(February 2020)**

Return completed reply form to: **Savannah Environmental**

Fax: **086 684 0547**

Phone: **011 656 3237**

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

Postal Address: **PO Box 148, Sunninghill, 2157**

**Please provide your complete contact details:**

Name & Surname:	GEORGE SMITH.
Designation	POWER OF ATTORNEY TO MANAGE AND HANDLE
Department / Organisation:	ALL AFFAIRS RELATING TO THE FARM.
Postal Address:	
Telephone:	
Cell phone:	
E-mail:	

Would you like to register as an interested and affected party (I&AP)? YES  NO   
(please tick the relevant box)

Note: You are required to register as an I&AP to receive further correspondence regarding the BA process for the project.

**Please state your interest in the project** (add additional pages if necessary):

POWER OF ATTORNEY TO MANAGE & HANDLE ALL AFFAIRS RELATING TO THE PROPERTY.

**Please list your comments regarding the project** (add additional pages if necessary):

MAIN CONCERN IS THE PROCEDURE TO BE FOLLOWED WHEN ENTERING AND EXITING THE PROPERTY. PLEASE FORWARD THE PROCEDURE TO ABOVE EMAIL ADDRESS.

**Please provide contact details of other persons who you regard as a potential interested or affected party:**

Name & Surname:	OWIE SMITH
Organisation & Designation:	OWNER.
Telephone:	
Cell phone No.:	
E-mail:	

✓

## Nicolene Venter

---

**From:** George Smith  
**Sent:** Wednesday, March 4, 2020 4:34 PM  
**To:** Nicolene Venter  
**Cc:** Japie Loubser (japie@milnex-sa.co.za)  
**Subject:** RE: OLIFANTSHOEK 132kV KRAGLYNPROJEK: Bevestiging van telefoniese gesprek  
**Attachments:** Savannah\_04032020\_153403.pdf; Re: FW: RELEASE FORM FARM  
Volmag Plaas

Goeie dag Nicolene

Aangeheg, voltooide dokument soos versoek.

Verder ook aangeheg korrespondensie met vorige groep konsultante soos met jou bespreek.

Slegs Eskom gemerkte slotte ten alle tye op Eskom hekke wat in en uit eiendom lei.

Graag versoek ek Eskom se prosedure ivm slotte en die sluit van hekke.

Ek glo die Projek Bestuurder getaak met die oprigting van die lyn sal my kontak voordat werksaamhede begin.

Sien asb ook kommentaar uitgelig in geel op jou ondergeskrewe epos.

Groete

---

**From:** Nicolene Venter <nicolene@savannahsa.com>  
**Sent:** Tuesday, March 3, 2020 11:01 AM  
**To:** George Smith  
**Cc:** Nicolene Venter <nicolene@savannahsa.com>  
**Subject:** OLIFANTSHOEK 132kV KRAGLYNPROJEK: Bevestiging van telefoniese gesprek

Beste George,

Die volgende is punte / kwellinge geopper tydens gistermiddag se telefoniese gesprek - indien daar enige korreksie is, stuur dit gerus deur en ek sal die punte / kwellinge opdateer:

- Jy het volmag om die betrokke eiendom (Plaas Cox 571, Restant) namens die geregistreerde eienaar, Mnr Ollie Smith (jou seun) te behartig en bestuur. **Volmag aangeheg**
- Nie jy of Ollie is tans woonagtig op die plaas nie en jy woon in Schweizer-Reneke, maar daar is persone woonagtig op die eiendom.
- Daar is verskeie wildkampe op die eiendom.
- Julle het reeds skade gely met die konstruksie van Eskom se 1ste 400kV kraglyn waar die kontrakteurs hekke tussen die wildkampe oopgelaat het. **Hek wat lei na aangrensende eiendom was oopgelos wat moontlik gelei het na wildgetal verliese....**
- Die volgende kraglyn infrastrukture is op die eiendom asook beplande kraglyn infrastruktuur:
  - Bestaande Eskom 400kV kraglyn
  - Bestaande 132kV Gamagara Plaaslike Munisipaliteit distribusie kraglyn
  - Beplande Eskom 400kV kraglyn - serwituu registrasie in proses
- Jy het versoek dat die Biodiversiteitspesialis jou moet skakel voor betreding van die eiendom sodat die nodige reelings vir toegang gemaak kan word. Die versoek is aan hom deurgegee asook jou kontakligting.
- Die volgende vraag is geopper en sal aan die projekspan deurgegee word vir terugvoer
  - gaan die bestaande 132kV kraglyn ontmantel word.

George, soos versoek, vind asseblief hierby aangeheg die .KMZ leer wat die 300m korridor vir die nuwe beoogde 132kV kraglyn aandui asook die area wat die spesialis op julle eiendom will besoek (Punt 2). **Gaan nuwe lyn ten alle tye binne bestaande serwitiet opgerig word?**

Moet asseblief nie huiwer om my te kontak indien jy enige addisionele inligting verlang nie.

Vriendelike groete,



t: +27 (0)11 656 3237  
f: +27 (0) 86 684 0547

**Nicolene Venter**

Public Participation and Social  
Consultant

e: [nicolene@savannahsa.com](mailto:nicolene@savannahsa.com)  
c: +27 (0) 83 377 9112

SAWEA Award for Leading Environmental Consultant on Wind Projects in 2013 & 2015

-----Original Message-----

From: Nicolene Venter <[nicolene@savannahsa.com](mailto:nicolene@savannahsa.com)>

Sent: March 3, 2020 10:25 AM

To: "George Smith" <[george.smith@namakwadiamonds.com](mailto:george.smith@namakwadiamonds.com)>

Cc: [ronald@savannahsa.com](mailto:ronald@savannahsa.com); [reuben@savannahsa.com](mailto:reuben@savannahsa.com); [nicolene@savannahsa.com](mailto:nicolene@savannahsa.com); [gabotha11@gmail.com](mailto:gabotha11@gmail.com); [gerhard@nkurenkuru.co.za](mailto:gerhard@nkurenkuru.co.za); "Nicolene Venter" <[nicolene@savannahsa.com](mailto:nicolene@savannahsa.com)>

Subject: OLIFANTSHOEK 132kV KRAGLYNPROJEK: Bevestiging van toestemming vir betreding van eiendom (Biodiversiteitspesialis)

Beste George,

Baie dankie dat jy my oproep gister ontvang het om toestemming te verkry vir toegang tot Ollie Smith se eiendom, Cos 571, Restant.

Ons biodiversiteitspesialis, Gerhard Botha sal vanaf Woensdag, 04 Maart 2020 in Kathu/Olifantshoek area wees om sy terreinstudies vir die Olifantshoek 132kV Kraglynprojek te doen.

Ek het Gerhard by hierdie e-pos ingesluit en sal die volgende inligting vir jou deurstuur sodra ek dit ontvang het:

- Naam en van van span wat terrein gaan besoek:
- ID nommer van elke spanlid:
- Maatskappy naam:
- Selfoonnommer van elke spanlid:
- Besonderhede van voertuig:
  - Kleur
  - Maak en model
  - Registrasienommer
  - Kentekens op voertuig bv maatsakppy logo:
  
- Datum/s wat die span in die studie area gaan wees:
- Datum en beoogde tyd op eiendom:
- Tipe evaluering (bv. indringend – TLB / awegraar (auger)):

Soos versoek, sal ek Gerhard in kennis stel om vooraf met jou in verbinding te tree rakende sy toegang tot die eiendom.

Vriendelike groete

Nicolene

-----Original Message-----

From: Nicolene Venter <[nicolene@savannahsa.com](mailto:nicolene@savannahsa.com)>

Sent: March 2, 2020 5:07 PM

To: "George Smith" <[REDACTED]>

Cc: [ronald@savannahsa.com](mailto:ronald@savannahsa.com); [reuben@savannahsa.com](mailto:reuben@savannahsa.com); [nicolene@savannahsa.com](mailto:nicolene@savannahsa.com); "Nicolene Venter" <[nicolene@savannahsa.com](mailto:nicolene@savannahsa.com)>

Subject: OLIFANTSHOEK 132kV POWER LINE PROJECT: Notification of Basic Assessment & Public Participation Process

**BASIC ASSESSMENT AND PUBLIC PARTICIPATION PROCESS  
OLIFANTSHOEK 132kV POWER LINE, OLIFANTSHOEK, NORTHERN CAPE PROVINCE**

Dear Mr Smith

The Gamagara Local Municipality is proposing the construction and operation of the grid connection infrastructure consisting of a single circuit 132kV power line between the existing Emil Traction Substation and the authorised Olifantshoek Substation near the town of Olifantshoek, Northern Cape Province. The purpose of the proposed power line will be to strengthen the electricity grid network within the municipality's jurisdictional area in order to ensure adequate supply to residents.

The proposed power line development falls within Wards, 03, 04, 04 and 06 of the Gamagara Local Municipality and is also located within the great John Taolo Gaetsewe District Municipality, Northern Cape Province.

Please find attached the following documents which will provide you with additional information regarding this application:

- Basic Assessment and Public Participation Process notification letter;
- Background Information Document; and
- Registration and Comment Form.

Kind regards,

George Smith  
Operations Manager



NAMAKWA DIAMONDS

Tel: +27 53 963 3014

Fax: +27 53 963 1165

Cell: +27 82 464 3595

Email: [george.smith@namakwadiamonds.com](mailto:george.smith@namakwadiamonds.com)

Website: [www.namakwadiamonds.com](http://www.namakwadiamonds.com)

Skype: [george.smith958](https://www.skype.com/people/george.smith958)

Address:

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# Basic Assessment Report

Department of Environment, Forestry and  
Fisheries





# environment, forestry & fisheries

Department:  
Environment, Forestry and Fisheries  
REPUBLIC OF SOUTH AFRICA

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

DEA Reference: 14/12/16/3/3/1/2212

Enquiries: Ms Constance Musemburi

Telephone: (012) 399 9416 E-mail: Cmusemburi@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

## PER MAIL / E-MAIL

Dear Ms Thomas

### COMMENTS ON THE DRAFT BASIC ASSESSMENT REPORT FOR THE PROPOSED OLIFANTSHOEK 132kV POWER LINE NEAR OLIFANTSHOEK IN THE NORTHERN CAPE PROVINCE

The Draft Basic Assessment Report (DBAR) dated July 2020 and received by this Department on 30 July 2020 refer.

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

- i. Please ensure that all relevant listed activities are applied for, are specific and that it can be linked to the development activity or infrastructure as described in the project description. It is noted that you have applied for Activity 14 of listing notice 1 (GN R 983, as amended) which includes the storage of dangerous goods. Please provide a description of the dangerous good involved in this case.
- ii. If the activities applied for in the application form differ from those mentioned in the final BAR, an amended application form must be submitted. Please note that the Department's application form template has been amended and can be downloaded from the following link <https://www.environment.gov.za/documents/forms>.
- iii. The Environmental Assessment Practitioner (EAP) must ensure that an adequate motivation on the applicability of each listed activity that triggers the proposed development is provided. The applicability of each activity against the actual threshold for the proposed development must be verified. The Final BAR must be clear on the total voltage output for the substation.
- iv. Please ensure that all issues raised and comments received during the circulation of the BAR from registered I&APs and organs of state which have jurisdiction in respect of the proposed activity are adequately addressed in the final BAR, **(including comments from this Department's Biodiversity Section)**. Proof of correspondence with the various stakeholders must be included in the final BAR. Should you be unable to obtain comments, proof of the attempts that were made to obtain comments must be submitted to the Department. The Public Participation Process must be conducted in terms of Regulation 39, 40, 41, 42, 43 & 44 of the EIA Regulations 2014.

JAC

- v. A Comments and Response (C&R) report must be submitted with the final BAR. The C&R report must incorporate all comments received for this development. **Please note that a response such as “Noted” is not regarded as an adequate response to I&APs’ comments.**
- vi. Please ensure that a description of all identified alternatives for the proposed activity that are feasible and reasonable, including the advantages and disadvantages that the proposed activity or alternatives will have on the environment and on the community that may be affected by the activity as per Appendix 1 (2) (e) and 3 (1) (h) (i) of GN R.982 of 2014. Alternatively, you should submit written proof of an investigation and motivation if no reasonable or feasible alternatives exist in terms of Appendix 1.
- vii. The final BAR must provide an assessment of the impacts and mitigation measures for each of the listed activities applied for.
- viii. Cumulative impacts of similar type of developments in the area must form part of the studies that must be assessed as part of the final BAR process.
- ix. In terms of Appendix 1 of the EIA Regulations, 2014, the report must include an undertaking under oath or affirmation by the EAP in relation to:
  - the correctness of the information provided in the reports;
  - the inclusion of comments and inputs from stakeholders and I&APs;
  - the inclusion of inputs and recommendations from the specialist reports where relevant;
  - any information provided by the EAP to interested and affected parties; and
  - responses by the EAP to comments or inputs made by interested or affected parties.
- x. In terms of Appendix 1 (3) (1) (a) of the EIA Regulations 2014, the details of—
  - (i) the EAP who prepared the report; and
  - (ii) the expertise of the EAP to carry out Scoping and Environmental Impact assessment procedures; must be submitted.
- xi. 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 BAR in accordance with Appendix 1 of the EIA Regulations, 2014.
- xii. 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 these Regulations, unless an extension has been granted in terms of Regulation 3(7). Please submit a CD together with the final BAR.

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

You are further reminded to comply with Regulation 19(1)(a) of the NEMA EIA Regulations, 2014, as amended, which states 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 BAR or EMPr which changes or information was not contained in the reports or plans consulted on during the initial public participation process, you are required to comply with Regulation 19(b) of the NEMA EIA Regulations, 2014, as amended, which states: *“the applicant must, within 90 days of receipt of the application by the competent authority, submit to the competent authority – (b) a 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 sub-regulation (1)(a) and that the revised reports or, EMP or, where applicable, a closure plan will be subjected to another public participation process of at least 30 days".

Should you fail to meet any of the timeframes stipulated in Regulation 19 of the NEMA EIA 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 Environment, Forestry and Fisheries**  
**Signed by: Ms Millicent Solomons**  
**Designation: Deputy Director: Priority Infrastructure Projects**  
**Date: 21/03/2020.**

Department of Environment, Forestry and  
Fisheries  
Biodiversity Conservation Directorate



## environment, forestry & fisheries

Department: Environment, Forestry  
and Fisheries  
REPUBLIC OF SOUTH AFRICA

Private Bag X447, Pretoria, 0001, Environment House, 473 Steve Biko Road, Pretoria, 0002 Tel: +27 12 399 9000, Fax: + 27 86 625 1042

**Reference:** Olifantshoek 132KV Powerline

**Enquiries:** Ms Mmatlala Rabothata

**Telephone:** (012) 399 9174 **E-mail:** [MRabothata@environment.gov.za](mailto:MRabothata@environment.gov.za)

Ms Jo-Anne Thomas  
Savannah Environmental (Pty) Ltd  
PO Box 148,  
**SUNNINGHILL**  
2157

Telephone Number: +27 (11) 656-3237  
Email Address: [publicprocess@savannahsa.com](mailto:publicprocess@savannahsa.com)

### PER E-MAIL

Dear Ms Jo-Anne Thomas

### COMMENTS ON THE DRAFT BASIC ASSESSMENT REPORT FOR THE PROPOSED OLIFANTSHOEK 132KV POWER LINE, NORTHERN CAPE PROVINCE

The Directorate: Biodiversity Conservation reviewed and evaluated the aforementioned draft report. From the findings of the Ecological and Freshwater Impact Assessment it is concluded that no impacts of high significance or fatal flaws were identified which would hinder the proposed development. Sensitive features which include the spanning of the power line infrastructure (i.e. pylons/towers) across the Ga-Magara River will be avoided, the Brooks & Bredenkamp Nature Reserve which is located adjacent and west of the grid connection corridor will also be avoided. From the results of the Avifauna Impact Assessment there are no known communal breeding or roosting sites of red-listed species, however, the installation of anti-collision bird devices within certain sections of higher sensitivity will be implemented. All impacts associated with the development can be mitigated to an acceptable low significance.

Notwithstanding the above, the following recommendation must be considered in the final report:

- Pre-construction walk-through of the final power line route/corridor to locate species of conservation concern that can be translocated or avoided must be undertaken prior to the commencement of the construction phase;

**COMMENTS ON THE DRAFT BASIC ASSESSMENT REPORT FOR THE PROPOSED OLIFANTSHOEK 132KV POWER LINE, NORTHERN CAPE PROVINCE**

- Permits from relevant authorities must be obtained prior commencement of any construction activities for the removal or disturbance of any TOPs, Red Data listed or Provincially protected species;
- Sensitive habitats in close proximity to the development footprint must be avoided or demarcated as No-Go area i.e. depression wetlands;
- A rehabilitation plan that guides planting and seeding with indigenous plants must be developed; and
- An Alien and Invasive Plant Management Plan must be developed in order to reduce the establishment and spread of alien plant species within the development footprint.

Yours faithfully



**Mr. Seoka Lekota**  
**Control Biodiversity Officer Grade B: Biodiversity Conservation**  
**Department of Environment, Forestry & Fisheries**  
**Date: 31/08/2020**

Department of Environment and Nature  
Conservation  
(Northern Cape Province)



the denc

Department:  
Environment & Nature Conservation  
NORTHERN CAPE PROVINCE  
REPUBLIC OF SOUTH AFRICA

SASKO Building  
90 Long Street  
Private Bag X6102  
Kimberley  
8300

Tel. 053-8077300  
Fax: 053-8077328

Dipatlisiso :  
Enquiries :  
Imibuzo : Samantha De la Fontaine  
Navrae :  
Reference :  
Tshupelo : DEFF Ref. 14/12/16/3/3/1/2212  
Isalathiso :  
Verwysing :

Date : 26 August 2020  
Leshupelo :  
Umhla :  
Datum :

Mr Sabelo Malaza  
Chief Director: Integrated Environmental Authorisations  
Department of Environmental Affairs  
Private Bag X447  
PRETORIA  
0001

Attention: Mr Ephron Maradwa, [EMaradwa@environment.gov.za](mailto:EMaradwa@environment.gov.za)

(Please also forward a copy to the EAP, Nicolene Venter on behalf of Savannah SA  
([nicolene@savannahsa.com](mailto:nicolene@savannahsa.com)) )

Dear Mr Sabelo Malaza

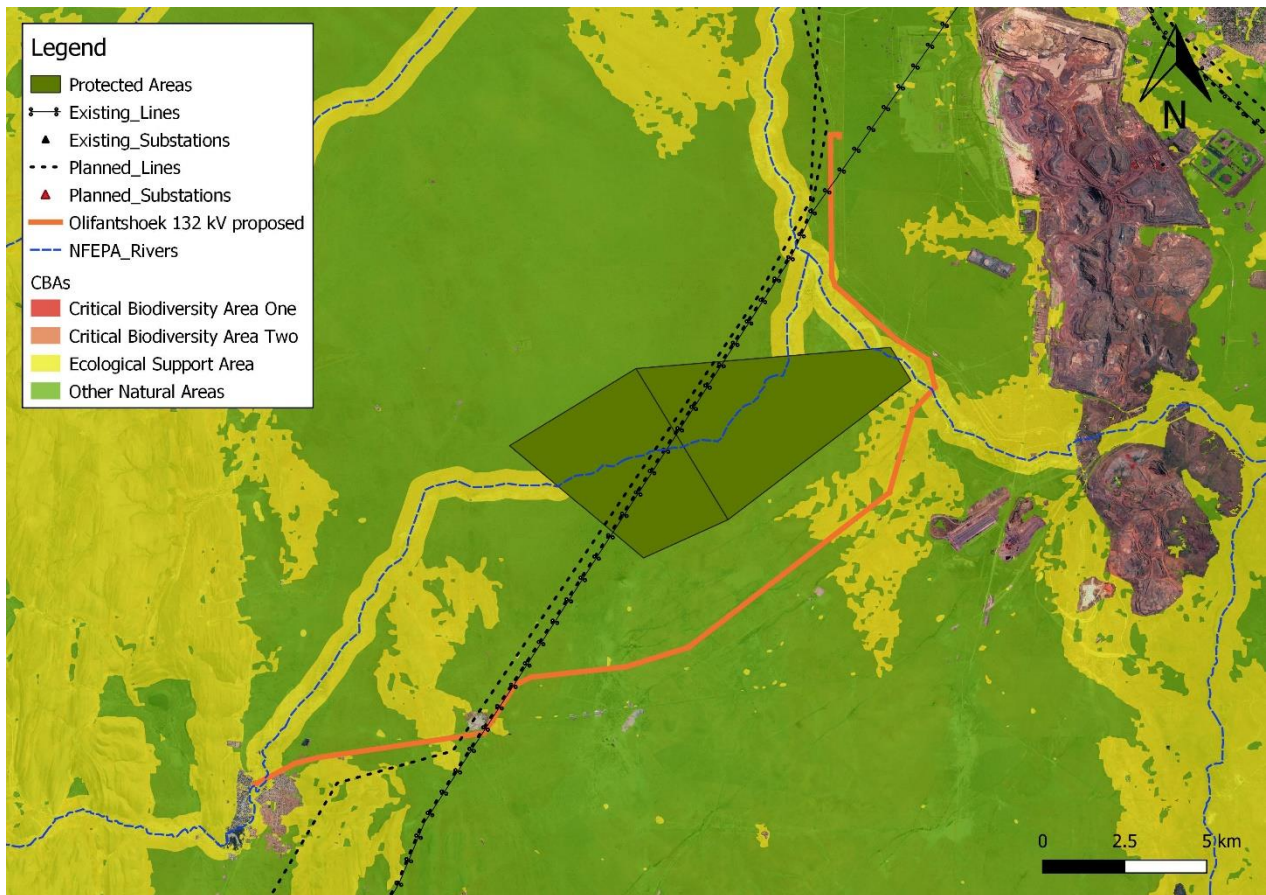
**RE: DRAFT BASIC ASSESSMENT PROCESSES: BASIC ASSESSMENT REPORT FOR 132  
KILOVOLT OLIFANTSHOEK POWERLINE, GAMAGARA LOCAL MUNICIPALITY, JOHN TAOLO  
GAETSEWE DISTRICT MUNICIPALITY**

### Background

The Gamagara Local Municipality in Northern Cape is proposing the construction of a new 132 kilovolt powerline that is 36 kilometres in length. The line will connect the Emil substation to the new Olifantshoek substation. The line has a servitude width of 31 meters (15.5m x 2) and will cross the ephemeral Ga-Mogara River, west of the Sishen Iron Mine. It is in this location where the line is also the closest to the Bredenkamp Nature Reserve, which forms part of the Brooks and Bredenkamp SIOC Biodiversity Offset area that has been formally declared as Nature Reserves under the National Environmental Management: Protected Areas Act 57 of 2003. The line



then curbs in a south-easterly direction with its location south of the Brooks and Bredenkamp Nature Reserves (see Figure 1).



**Figure 1. The 132 kV Olifantshoek powerline (orange line) traverses the Ga-Mogara River, west of the Sishen Iron Ore Mine. It is in the said location where the line is the closest to the formally declared Bredenkamp Nature Reserve i.e. less than 1 km.**

**Herewith the comments and recommendations for the proposed development:**

1. The powerline route is proposed within the buffer zone of the Bredenkamp Nature Reserve, where it crosses the Ga-Mogara River (<5km). This is strongly opposed by this department. The proponent should therefore re-assess the line route so that it is located outside of the formally declared protected area's buffer zone (>5km).
2. The Brooks and Bredenkamp Nature Reserves and the impact of the powerline on it were not factored into the specialists' reports. In one instance for example, the specialist mentioned (Ecological Report) that the nearest formal protected area is Witsand NR, which is however not the case. Both the Avifaunal and Ecological specialist should revise their reports and factor in the impact of the line on the Brooks and Bredenkamp Nature Reserves.

3. The maps in the Ecological and Avifaunal Reports proof difficult to read, the colours are not very distinct, the maps are too small, the text are too small to read, etc. We advise that the specialists revisit these maps and report content to make it more visually legible and concise.
4. When applying for permits for the removal of protected species, a detailed walk-through report should be submitted with the applications.

We hope you find these recommendations in order.

Yours sincerely



**E. SWART**

**Scientific Manager: Grade B**

**Research and Development Support Unit**

**Date:26/8/2020**

South African National Roads Agency Ltd

## Savannah Public Process

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**From:** Nicole Abrahams (WR) <AbrahamsN@nra.co.za>  
**Sent:** Sunday, August 16, 2020 8:31 PM  
**To:** Savannah Public Process  
**Subject:** RE: OLIFANTSHOEK: Landowner's Notification of Basic Assessment

Dear Mr Baloyi

SANRAL has the following comment:

The parallel section of the 132kV powerline must be placed 60m away from the road reserve fence.

As the N14 is a super route the height of crossing powerline must be at least 9m above ground level at the lowest point.

Application for statutory approval must be submitted to SANRAL.

Regards

**Nicole Abrahams**  
Environmental Coordinator  
Western Region  
, Bellville, Western Cape, 7530,  
T: 021 957 4602 | M: 062 215 8945  
[AbrahamsN@nra.co.za](mailto:AbrahamsN@nra.co.za) | [www.sanral.co.za](http://www.sanral.co.za)  
Fraud Hotline Number - 0800 204 558

**SANRAL**



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**From:** Ronald Baloyi Baloyi <[publicprocess@savannahsa.com](mailto:publicprocess@savannahsa.com)>  
**Sent:** Thursday, March 19, 2020 4:12 PM  
**To:** Colene Runkel (WR) <[Runkelc@nra.co.za](mailto:Runkelc@nra.co.za)>  
**Cc:** [ronald@savannahsa.com](mailto:ronald@savannahsa.com); Ronald Baloyi Baloyi <[publicprocess@savannahsa.com](mailto:publicprocess@savannahsa.com)>  
**Subject:** OLIFANTSHOEK: Landowner's Notification of Basic Assessment

### **BASIC ASSESSMENT AND PUBLIC PARTICIPATION PROCESS**

### **OLIFANTSHOEK 132kV POWER LINE, OLIFANTSHOEK, NORTHERN CAPE PROVINCE**

Dear Ms Runkel,

The Gamagara Local Municipality is proposing the construction and operation of the grid connection infrastructure consisting of a single circuit 132kV power line between the existing Emil Traction Substation and the authorised Olifantshoek Substation near the town of Olifantshoek, Northern Cape Province. The purpose of the proposed power line will be to strengthen the electricity grid network within the municipality's jurisdictional area in order to ensure adequate supply to residents.

The proposed power line development falls within Wards, 03, 04, 05 and 06 of the Gamagara Local Municipality and is also located within the greater John Taolo Gaetsewe District Municipality, Northern Cape Province.

As a possible adjacent or directly affected landowner, please refer to the attached Notification Letter, Background Information Document and Registration and Comment Form.

Kind regards,



t: 011 656 3237  
f: 086 684 0547

**Nicolene Venter**  
Public Process

e: [publicprocess@savannahsa.com](mailto:publicprocess@savannahsa.com)  
c: +27 (0) 60 978 8396

SAWEA Award for Leading Environmental Consultant on Wind Projects in 2013 & 2015

South African Heritage Resources Agency



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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: 15321

Date: Tuesday September 08, 2020  
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## Final Comment

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

Attention: Gamagara Local Municipality

**The construction and operation of grid connection infrastructure consisting of a single circuit 132kV power line between the existing Emil Traction Substation and the authorised Olifantshoek Substation. The proposed power line will be used to strengthen the grid network in the area in order to ensure adequate supply of electricity for residents within the municipality's jurisdictional area. The power line is being assessed within a 300m wide and 36km long grid connection corridor**

Savannah Environmental (Pty) Ltd has been appointed by Gamagara Local Municipality to conduct an Environmental Authorisation (EA) Application process for the proposed Olifantshoek 132kV powerline near Kathu and Olifantshoek, Northern Cape Province.

A Basic Assessment Report (BAR) has been submitted in terms of the National Environmental Management Act, 107 of 1998 (NEMA) and NEMA Environmental Impact Assessment (EIA) Regulations. The proposed development will include a 132kV powerline (36 km) and 4 m wide access roads. A corridor of 300 m wide has been assessed as part of the EA application.

CTS Heritage (Pty) Ltd has been appointed to provide heritage specialist input as part of the EA process as per section 38(3) and 38(8) of the National Heritage Resources Act, Act 25 of 1999 (NHRA) as required by section 24(4)b(iii) of NEMA.

*Lavin, J. 2020. Heritage Impact Assessment in terms of Section 38(8) of the NHRA for a proposed development of a 132kV powerline neat Olifantshoek, Northern Cape.*

Recommendations provided in the report include the following:

- A 50m no-go buffer is established around sites NLN002 and MRR002, and these sites are clearly marked as no-go areas on all development maps;
- If it is not possible to avoid the sites mentioned above, they must be mitigated by a qualified archaeologist. A permit in terms of section 35 of the NHRA and Chapter II and IV of the NHRA Regulations must be applied for from SAHRA via SAHRIS before construction;



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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

Date: Tuesday September 08, 2020  
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- Surface limestones of the Mokalanen Formation are inspected before excavation takes place in order to confirm the absence of Kathu Pan-like deposits that may contain Pleistocene fossil faunal assemblages
- A Chance Finds procedure must be implemented.

The HIA drew results from the following two reports:

*Engelbrecht, J and Fivaz, H. 2020. Phase 1 AIA Field Report Proposed Development of 132kv Powerline near Olifantshoek, Northern Cape Province.*

A total of five heritage resources were identified within the proposed powerline route. These include two burial grounds consisting of two graves each (Grade IIIA Significance), one collapsed stone wall (Not conservation worthy), one historical settlement (Grade IIIC significance) and one isolated Stone Age surface find (not conservation worthy). Four municipal cemeteries were identified outside of the development footprint and will not be impacted.

*Chapelle, K. 2020. Desktop Palaeontological Specialist Study in terms of section 38(8) of the NHRA: Proposed development of a 132kV powerline near Olifantshoek, Northern Cape.*

The proposed development area is underlain by the Kalahari Group sands and calcretes, as well as Ongeluk Formation, small exposures of the Vöelwater Formation, Lucknow Formation and Hartley Formation volcanic rocks. The impact of the development will be low to moderate. The north-east section of the proposed powerline route within Kalahari Group deposits may have a high impact to fossil resources due to the close proximity of Kathu Pan-like deposits that may contain fossil assemblages. The author recommends that a field scoping study is conducted in the Kalahari Group deposits, specifically the surface limestones, before excavation takes place in order to confirm the absence of Kathu Pan-like deposits that may contain Pleistocene fossil faunal assemblages.

## Final Comment

The following comments are made as a requirement in terms of section 3(4) of the NEMA Regulations and section 38(8) of the NHRA in the format provided in section 38(4) of the NHRA and must be included in the Final BAR and EMP:

- 38(4)a – The SAHRA Archaeology, Palaeontology and Meteorites (APM) Unit has no objections to the





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

proposed development;

- 38(4)b – The recommendations of the specialists are supported and must be adhered to. Additional further additional specific conditions are provided for the development as follows:
- A 30 m buffer must be adhered to around site MRR001. Should this not be possible, a permit in terms of section 34 of the NHRA must be applied from the Northern Cape Provincial Heritage Resources Authority;
- A Heritage Management Plan (HMP) must be developed and provided as part of the EMPr in order to provide details on the management of the heritage resources that will remain in-situ during the construction, operational and decommissioning phases of the project i.e. provision of no-go buffers, protocols for contractors to report any incidents, monitoring reports and schedules. This HMP must be submitted to SAHRA prior to construction
- A site inspection schedule for the proposed palaeontological field scoping visit be included as part of the EMPr and EA conditions. This scoping visit must be conducted by a professional palaeontologist and a report of the results of the visit must be submitted to SAHRA prior to construction commencing for review and comment. No construction may commence without comments from SAHRA in this regard;
- 38(4)c(i) – 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 as per section 35(3) of the NHRA. Non-compliance with section of the NHRA is an offense in terms of section 51(1)e of the NHRA and item 5 of the Schedule;
- 38(4)c(ii) – If unmarked human burials are uncovered, the SAHRA Burial Grounds and Graves (BGG) Unit (Thingahangwi Tshivhase/Mimi Seetelo 012 320 8490), must be alerted immediately as per section 36(6) of the NHRA. Non-compliance with section of the NHRA is an offense in terms of section 51(1)e of the NHRA and item 5 of the Schedule;
- 38(4)d – See section 51(1) of the NHRA;
- 38(4)e – The following conditions apply with regards to the appointment of specialists:
  - i) If heritage resources are uncovered during the course of the development, a professional archaeologist or palaeontologist, depending on the nature of the finds, must be contracted as soon as possible to inspect the heritage resource. 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;
- As the BAR has been finalised without a Final Comment from SAHRA, this comment must be

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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: 15321

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forwarded directly to the competent authority for their consideration in the decision-making process as per section 38(8) of the NHRA. Proof of the delivery and receipt thereof must be uploaded to the SAHRIS case for record purposes;

- The Final BAR and EMPr must be submitted to SAHRA for record purposes;
- The decision regarding the EA Application must be communicated to SAHRA and uploaded to the SAHRIS Case application.

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

Yours faithfully

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Natasha Higgitt  
Heritage Officer  
South African Heritage Resources Agency

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

**ADMIN:**

Direct URL to case: <http://www.sahra.org.za/node/538366>  
(DEA, Ref: )

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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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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.