

APPENDIX C6  
Comments Received

# ORGANS OF STATE

Air Traffic and Navigation Services  
(ATNS)

## Mabel Quinisile

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**From:** Simphiwe Masilela <SimphiweM@atns.co.za>  
**Sent:** Tuesday, 28 May 2019 11:20  
**To:** Savannah Public Process  
**Cc:** Nicolene Venter; Mabel Quinisile; Graham Mondzinger  
**Subject:** RE: Follow-up re Written Comments - Aggeneys 1 and Aggeneys 2 Solar PV Facilities: Basic Assessment Reports  
**Attachments:** RE: Witberg WEF: REMINDER - Revised Motivation Report review and comment period ending TUESDAY, 23 APRIL 2019



Good day Nicolene,

Please refer to the email attached herein regarding what we need to locate your site. We appreciate the reminders to make comments, we often have difficulty locating these sites because coordinates are not included.

It is time consuming for us to go through all your documents to get the information we need to be able to make comments.

We kindly request that you make a note of this, going forward in your letters to us (as the one addressed to me in the email below) please include:

- Coordinates (n degrees, minutes and seconds),
- Elevation AMSL
- Heights to the top of structure

This will greatly reduce the delay often caused.

Also, please send emails only and not CD's as we do not make use of them, the information is a duplicate to what we receive on email.

Often, we've made use of the links mentioned in your email for easy access to the projects that you require comments for, so there's no need to send CD's to our department.

We will try to make comment for the above mentioned before end of the week, however providing site location will be of great assistance.

Kind Regards,

**Simphiwe Masilela**

**Obstacle Evaluator** | COO - Air Traffic Services  
ATNS Head Office, Bruma, Johannesburg, South Africa

T: +2711 607 1228 • F: 011 607 1466 • C:  
E: SimphiweM@atns.co.za • W: [www.atns.com](http://www.atns.com)



[View Disclaimer](#)

**From:** Savannah Public Process [mailto:publicprocess@savannahsa.com]

**Sent:** Tuesday, May 28, 2019 10:33 AM

**To:** Simphiwe Masilela <SimphiweM@atns.co.za>

**Cc:** nicolene@savannahsa.com; mabel@savannahsa.com

**Subject:** Follow-up re Written Comments - Aggeneys 1 and Aggeneys 2 Solar PV Facilities: Basic Assessment Reports

**AGGENEYS 1 SOLAR PV FACILITY (DEA Ref.No.: 14/12/16/3/3/1/2019) and AGGENEYS 2 SOLAR PV FACILITY (DEA Ref.No.: 14/12/16/3/3/1/2020)**

**Basic Assessment Report: Follow-up on Written Comments**

Dear Simphiwe,

With reference to the e-mail trail below, this e-mail serves to enquire whether the ATNS can confirm whether written comments will be submitted on the above-mentioned Basic Assessment Reports (BARs).

For easy reference, please find attached the following documents:

- Notification letter of availability of the BARs for Agri Northern Cape's comments
- Proof of Delivery (Waybill)

We are looking forward to your response.

Kind regards

**Nicolene Venter**

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*

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> From: Savannah Public Process <[publicprocess@savannahsa.com](mailto:publicprocess@savannahsa.com)>

> Date Sent: 26/05/2019 18:44

> To: [nicolene@savannahsa.com](mailto:nicolene@savannahsa.com), [mabel@savannahsa.com](mailto:mabel@savannahsa.com)

> Cc:

> Subject: REMINDER: Review Period Ending - Aggeneys 1 and Aggeneys 2 Solar PV Facilities: Basic Assessment Reports

>

**BASIC ASSEMENTS FOR THE AGGENEYS 1 SOLAR PV AND AGGENEYS 2 SOLAR PV FACILITIES, NORTHERN CAPE PROVINCE**

o **Basic Assessment Review and comment period ending**

Dear Stakeholder and/or Interested and Affected Party,

With reference to the attached notification letter sent on Wednesday, 24 April 2019, and the e-mail below, this email serves to inform you that the comment period for the Basic Assessment Reports (BARs) is ending on Monday, 27 May 2019. As you may recall, the review and comment period for the BARs was from **Wednesday, 24 April 2019** to **Monday, 27 May 2019**.

Thank you to those Stakeholder and Interested and Affected Parties who submitted their written comments and those who had not yet submitted written comments, we kindly request that you do so before or on **Monday, 27 May 2019**, by close of business day.

Kind regards,

**Nicolene Venter**

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*

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> From: Savannah Public Process

> Date Sent: 24/04/2019 15:01

> To: [nicolene@savannahsa.com](mailto:nicolene@savannahsa.com), [mabel@savannahsa.com](mailto:mabel@savannahsa.com)

> Cc:

> Subject: Aggeneys 1 and Aggeneys 2 Solar PV Facilities: Notification of Availability of Basic Assessment

Reports

>

**BASIC ASSESSMENT AND PUBLIC PARTICIPATION PROCESSES: AGGENNEYS 1 SOLAR PV AND AGGENEYS 2 SOLAR PV FACILITIES, NORTHERN CAPE PROVINCE**

Dear Stakeholder and/or Interested and Affected Party,

Please find attached letter notifying you of the availability of the Basic Assessment Reports for the above-mentioned projects for your review and comment.

The review and comment period is from **Wednesday, 24 April 2019** to **Monday, 27 May 2019** and we are looking forward to receive your written comments.

Please do not hesitate to contact us should you require any additional information.

Kind regards,

**Nicolene Venter**

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*

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The provisions of Sections 11,12, and 13 of the Electronic Communications and Transactions Act, 25 of 2002, in so far as e-contracting is concerned are expressly excluded and contracted out of by Air Traffic

Department of Environmental Affairs





## environmental affairs

Department:  
Environmental Affairs  
REPUBLIC OF SOUTH AFRICA

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

DEA Reference: 14/12/16/3/3/1/2020

Enquiries: Ms Azrah Essop

Telephone: 012 399 8529 E-mail: AEssop@environment.gov.za

Ms Jo-Anne Thomas  
Savannah Environmental  
PO Box 148  
**SUNNINGHILL**  
2191

Telephone Number: (011) 656 3237  
Cell phone Number: (082) 775 5628  
Email Address: [joanne@savannahsa.com](mailto:joanne@savannahsa.com) / [publicprocess@savannahsa.com](mailto:publicprocess@savannahsa.com)

### PER MAIL / E-MAIL

Dear Ms Thomas

### COMMENTS ON THE DRAFT BASIC ASSESSMENT REPORT FOR THE PROPOSED CONSTRUCTION OF AGGENEYS 2, A 100MW SOLAR PV FACILITY AND ASSOCIATED INFRASTRUCTURE NEAR AGGENEYS WITHIN THE NORTHERN CAPE PROVINCE

The Application for Environmental Authorisation and Draft Basic Assessment Report (BAR) dated April 2019 and received by the Department on 25 April 2019, refer.

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

#### (a) Listed Activities

- Please ensure that all relevant listed activities are applied for, are specific and can be linked to the development activity or infrastructure as described in the project description.
- With reference to Activity 24 of Listing Notice 1 of the EIA Regulations, 2014, as amended, please confirm whether this activity will trigger as the report states: *'Aggeneys 2 will require the development of access roads (including internal access roads) with a width of between 4 and 8 meters.'*
- 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>.

#### (b) Layout & Sensitivity Maps

- Please provide a layout map which indicates the following:
- The proposed Aggeneys 1 and 2 with associated infrastructure for each development.
- The proposed grid infrastructure for each of the above PV facilities (Aggeneys 1 and 2), overlain by the sensitivity map.

- All supporting onsite infrastructure e.g. roads (existing and proposed),
- The location of sensitive environmental features on site e.g. CBAs, heritage sites, wetlands, drainage lines etc. that will be affected;
- Buffer areas; and
- All “no-go” areas.
- The above map must be overlain with a sensitivity map and a cumulative map which shows neighbouring renewable energy developments and existing grid infrastructure.
- Kindly confirm whether there will be two ‘O & M blocks’ as indicated on the layout map (Figure 8.1).
- Google maps will not be accepted.

**(c) Public Participation Process**

The following information must be submitted with the Final BAR:

- 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 in respect of the proposed activity are adequately addressed and included in the final BAR. 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. Please note that comments received from this Department must also form part of the comment and response report.
- A Comments and Response trail report (C&R) must be submitted with the final BAR. The C&R report must incorporate all comments for this development. Please refrain from summarising comments made by Interested and Affected Parties (I&APs). All comments from I&APs must be copied verbatim and responded to clearly. Please note that a response such as “noted” is not regarded as an adequate response to I&AP’s comments.
- The Public Participation Process must be conducted in terms of Regulations 39, 40, 41, 42, 43 & 44 of the EIA Regulations 2014 as amended.
- The final BAR must include the name of the newspaper as well as a copy of the advertisement placed.

**(d) Specialist Assessments**

- Comments must be sourced from the Department of Environmental Affairs- Biodiversity and Conservation Directorate. Further to that, these comments must be addressed and incorporated in the final Basic Assessment Report.
- The signed Specialist Declaration of Interest are missing page 3 for the following specialists:
  - DG Paterson – Agricultural Research Council-Soil, Climate and Water
  - Jonathan Marshall – Environmental Planning and Design
  - Dr Jayson Orton – ASHA Consulting (Pty) Ltd
  - Neville Bews – Dr Neville Bews and Associates
  - Andrew Cleghorn – Knight Piesold Pty Ltd

- You are requested to submit original signed Specialist Declaration of Interest forms (completed in full) for each specialist study conducted. The forms have been updated and are available on Department's website (please use the Department template).
- You are requested to indicate the applicability of the Astronomy Geographic Advantage Act, Act No. 21 of 2007 to the proposed project and its location in terms of astronomy advantage areas.
  - The project area is listed as "Very High Combined Sensitivity" in terms of RFI (*according to the National Web Based Environmental Screening Tool*). As a result, an Electromagnetic Interference (EMI) and Radio Frequency Interference (RFI) detailed study must be conducted by a suitably qualified and accredited professional. The South African SKA Project Office must be kept regularly informed of the progress and be consulted on the details of the studies required.
  - The EMI and RFI study must also assess cumulative impacts from other Renewable Energy Facilities in the area.
  - Comments on the EMI and RFI study must be obtained from the South African SKA Project Office.
  - Outcomes of this study (including comments received) must be included and assessed in the final BAR.

### **General**

The EAP is requested to contact the Department to make the necessary arrangements to conduct a site inspection prior to the submission of the final BAR. It would be best to arrange a joint site visit which includes officials dealing with the PV facility and Grid Infrastructure.

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 in accordance with Appendix 1 and Regulation 19(1) of the EIA Regulations, 2014 as amended.

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 the 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 therefore required to comply with Regulation 19(b) of the NEMA EIA Regulations, 2014, as amended, which states:

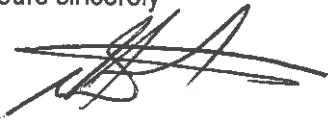
*"the applicant must, within 90 days of receipt of the application by the competent authority, submit to the competent authority - (b) a notification in writing that the basic assessment report, inclusive of specialist reports an EMPr, and where applicable, a closure plan, will be submitted within 140 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 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”.*

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 Environmental Affairs**

**Letter signed by: Mr Wayne Hector**

**Designation: Deputy Director: Prioritised Infrastructure Projects**

**Date: 22/05/19**

|     |                   |   |                                     |
|-----|-------------------|---|-------------------------------------|
| CC: | Robert Wagener    | ABO Wind Aggeneys 2 PV (Pty) Ltd                                | Email: robert.wagener@abo-wind.com  |
|     | Bryan Fisher      | Northern Cape Department of Environment and Nature Conservation | Email: BFisher@ncpg.gov.za          |
|     | Edward Vries      | Khâi-Ma Local Municipality                                      | Email: mmsecretary@khaima.gov.za    |
|     | Matlhodí Mogorosi | DEA: IEA  | Email: MMogorosi@environment.gov.za |
|     | Thando Booí       | DEA:IEA   | Email: TBooi@environment.gov.za     |

Biodiversity Conservation Directorate



## 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

**Reference:** Aggeneys 2 Solar PV Facility

**Enquiries:** Mr Seoka Lekota

**Telephone:** 012-399 9573 **E-mail:** [slekota@environment.gov.za](mailto:slekota@environment.gov.za)

Ms Nicolene Venter  
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 Venter

### **COMMENTS ON THE DRAFT BASIC ASSESSMENT REPORT FOR THE PROPOSED AGGENEYS 2 SOLAR PV FACILITY AND ASSOCIATED INFRASTRUCTURE, NORTHERN CAPE PROVINCE**

The Directorate: Biodiversity Conservation received and evaluated the DBAR for the above mentioned project and its specialist's studies. The following recommendations can be included in the Environment Authorisation by the competent authority as conditions if no new information arises from the Final Basic Assessment phase and its public participation process:

- Before construction commences, all sensitive habitats, such as wetlands, protected trees must be clearly demarcated with fencing or orange mesh netting. Barricading measures to be utilized should not restrict the movement of fauna in the area,
- Search and Rescue of all protected species and species of biodiversity concern must be conducted with an Ecologist before areas are cleared,
- All species listed in terms of TOPs and Red Data list must not be disturbed or removed without a permit from relevant authorities;
- All disturbed and cleared areas must be re-vegetated with indigenous perennial shrubs and grasses from the local area;
- Vegetation removal must be limited to the footprint of the proposed development;

- Alien invasive plant species in and around the proposed development area must be removed in terms of Conservation of Agricultural Resources Act (CARA), and follow up-actions for at least five years need to take place;
- Concurrent rehabilitation and alien vegetation control program within all sensitive areas must be implemented; and
- In order to address the issue of cumulative impacts, you are advised to adhere to the mitigation measures proposed in the Environmental Management Programme.

The overall biodiversity objective is to minimise loss to biodiversity as possible. In order to achieve this objective the above mentioned recommendations must be adhered to.

Yours faithfully



**Mr Stanley Tshitwamulomoni**  
**Control Biodiversity Officer (Gr B): Biodiversity Conservation**  
**Department of Environmental Affairs**  
**Date: 29-05-2019**

Department of Roads and Public Works





**Reference Number: L2.1.2.9 – TR08401/AS/0519**

**Enquires: V. Ngcobo / C.Ndubula**

**Date: 27 May 2019**

**Savannah Environmental (Pty) Ltd.**

**P.O. Box 148**

**Sunninghill**

**2157**

**Attention: N. Venter**

**RE: DEVELOPMENT OF AGGENEYS 1 AND AGGENEYS 2 SOLAR PV FACILITY AND ASSOCIATED INFRASTRUCTURES NEAR AGGENEYS, NORTHERN CAPE**

Refer to your application letter dated 23 April 2019 with its Compact Disk contents.

The Department of Roads and Public Works (DRPW) hereby acknowledges the receipt of this application for the proposed access.

- The Provincial Roads that will be affected by your proposal is TR84/1.
- TR84/1 is a Class 3 Rural Provincial Road

The applicant must submit detailed bell-mouth designs (produced by an ECSA registered Engineer) for the upgrading of the access (with reference to TRH26 "Road Classification Access Management Manual"). A detailed road maintenance plan for all affected gravel public roads for the duration of the proposed development's construction phase must also be submitted to the DRPW for review.

**The following standard conditions that must be complied with at all times in case of any work undertaken within the statutory road reserve or within a distance of 95 meters from the centerline of any building restriction road (advertising on Roads and Ribbon Development Act, no.21 of 1940) and within the statutory road reserve or within 5 meters from the statutory boundary of any public road (Roads Ordinance, 19 of 1976).**

1. The work must be carried out to the satisfaction of the District Roads Engineer and in close collaboration with the Traffic Department
2. It is the applicant's duty to notify and meet all affected stakeholders' requirements and interests on the proposed development.
3. The proposed access must be altered or shifted should the road authority deem it necessary at some future date.
4. The applicant will bear all costs in connection with this proposal including investigations of existing services that might be affected; passing through, or alongside the specific road/s.
5. Side drainage must be installed at the bell mouth if considered necessary.
6. No outdoor advertising is permitted on the fence and /or within the road reserve and any outdoor advertising within 95m from the road centerline must be submitted to the DRPW for review.
7. If any fence along the road boundaries is removed by the applicant or is damaged through his activities, it must be restored to the original standard.
8. The applicant indemnifies the Department against, and holds it harmless from any claim or damage which may be instituted or suffered by any person, including legal costs incurred, as a result of:
  - Non-compliance of the applicant with any condition to which this response letter relates;
  - The amendment or cancellation of any condition pertaining thereto or the imposition of any new condition including any disputes that may arise due to this proposal.

9. No work may be undertaken within the statutory width of a building restriction road/public road before sunrise or after sunset, except in a case of emergency, when it must be carried out in collaboration with the Traffic Section (as per SARTSM (South African Road Traffic Safety Manual)) concerned. This is to ensure the safety of road users. Adequate warning signs must be erected.
  
10. The work may only be carried out provided the foregoing conditions, where applicable, are accepted in full and provided all the prescriptions, requirements and obligations which the controlling authority/road authority might impose in connection with the work under or along the road(s), are accepted and complied with.
  
11. This response does not exempt the applicant from complying with any other law that may be applicable to the proposed work and related activities

Yours Sincerely

SIGNED at \_\_\_\_\_ this \_\_\_\_\_ day of \_\_\_\_\_ 20 \_\_\_\_.



**I. Bulane**

Chief Director: Roads

For and on behalf of

**THE DEPARTMENT OF ROADS AND PUBLIC WORKS NORTHERN CAPE**

Eskom Holdings SOC Ltd

## publicprocess

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**From:** John Geeringh <GeerinJH@eskom.co.za>  
**Sent:** Monday, April 8, 2019 11:35 AM  
**To:** publicprocess  
**Subject:** RE: AGGENEYS 1 & AGGENEYS 2 SOLAR PV FACILITIES AND ASSOCIATED GRID CONNECTION SOLUTIONS: BASIC ASSESSMENT PROCESS  
**Attachments:** Eskom requirements for work in or near Eskom servitudes SOLAR (3).doc; Renewable Energy Generation Plant Setbacks to Eskom Infrastructure Rev1 - signed.pdf

Please find attached Eskom requirements for works at or near Eskom infrastructure, servitudes and land holdings. Please also find attached the Eskom setbacks document for the required setbacks from Eskom infrastructure. Please send me KMZ files of the affected properties and proposed development areas and grid connection.

Regards

John Geeringh (Pr Sci Nat)  
Senior Consultant Environmental Management  
Transmission: Land Development and Management  
Megawatt Park, D1Y42, Maxwell Drive, Sunninghill, Sandton.  
P O Box 1091, Johannesburg, 2000.  
Tel: 011 516 7233  
Cell: 083 632 7663  
Fax: 086 661 4064  
E-mail: john.geeringh@eskom.co.za



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**From:** publicprocess [mailto:publicprocess@savannahsa.com]  
**Sent:** 08 April 2019 03:44 AM  
**To:** nicolene@savannahsa.com; mabel@savannahsa.com  
**Subject:** AGGENEYS 1 & AGGENEYS 2 SOLAR PV FACILITIES AND ASSOCIATED GRID CONNECTION SOLUTIONS: BASIC ASSESSMENT PROCESS

Dear Stakeholder,

The development of two separate 100MW solar photovoltaic (PV) facilities and associated infrastructure is proposed on the Remaining Extent of the Farm Bloemhoek 61, located approximately 11km south-east of Aggeneys in the Northern Cape Province. The two solar PV facilities are to be known as Aggeneys 1 and Aggeneys 2, and are situated within the Khâi-Ma Local Municipality, of the greater Namakwa District Municipality.

The project site is located within Zone 8 of the Renewable Energy Development Zones (REDZ) (also known as the Springbok REDZ), and within the Northern Transmission Corridor. The procedure to be followed in applying for environmental authorisation for a large-scale project in a REDZ was formally gazetted on 16 February 2018 (in GN113 and GN114). As Aggeneys 1 and Aggeneys 2 are located within one of the eight REDZ areas, the projects are

subject to a Basic Assessment and not a full EIA process, as well as a shortened timeframe of 57 days for the processing of an Application for Environmental Authorisation.

Savannah Environmental has been appointed to undertake the Basic Assessment Process for the Aggeneys 1 and Aggeneys 2 Solar PV Facilities and Associated Grid Connection Solutions.

Kindly refer to the attached Notification letter, Registration Form and Background Information Document for further information regarding the proposed projects.

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

Kind regards,



Virus-free. [www.avast.com](http://www.avast.com)

savannah  
environmental

Public Process

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c:

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

NB: This Email and its contents are subject to the Eskom Holdings SOC Ltd EMAIL LEGAL NOTICE which can be viewed at [http://www.eskom.co.za/Pages/Email\\_Legal\\_Spam\\_Disclaimer.aspx](http://www.eskom.co.za/Pages/Email_Legal_Spam_Disclaimer.aspx)

## Eskom requirements for work in or near Eskom servitudes.

1. Eskom's rights and services must be acknowledged and respected at all times.
2. Eskom shall at all times retain unobstructed access to and egress from its servitudes.
3. Eskom's consent does not relieve the developer from obtaining the necessary statutory, land owner or municipal approvals.
4. Any cost incurred by Eskom as a result of non-compliance to any relevant environmental legislation will be charged to the developer.
5. If Eskom has to incur any expenditure in order to comply with statutory clearances or other regulations as a result of the developer's activities or because of the presence of his equipment or installation within the servitude restriction area, the developer shall pay such costs to Eskom on demand.
6. The use of explosives of any type within 500 metres of Eskom's services shall only occur with Eskom's previous written permission. If such permission is granted the developer must give at least fourteen working days prior notice of the commencement of blasting. This allows time for arrangements to be made for supervision and/or precautionary instructions to be issued in terms of the blasting process. It is advisable to make application separately in this regard.
7. Changes in ground level may not infringe statutory ground to conductor clearances or statutory visibility clearances. After any changes in ground level, the surface shall be rehabilitated and stabilised so as to prevent erosion. The measures taken shall be to Eskom's satisfaction.
8. Eskom shall not be liable for the death of or injury to any person or for the loss of or damage to any property whether as a result of the encroachment or of the use of the servitude area by the developer, his/her agent, contractors, employees, successors in title, and assignees. The developer indemnifies Eskom against loss, claims or damages including claims pertaining to consequential damages by third parties and whether as a result of damage to or interruption of or interference with Eskom's services or apparatus or otherwise. Eskom will not be held responsible for damage to the developer's equipment.
9. No mechanical equipment, including mechanical excavators or high lifting machinery, shall be used in the vicinity of Eskom's apparatus and/or services, without prior written permission having been granted by Eskom. If such permission is granted the developer must give at least seven working days' notice prior to the commencement of work. This allows time for arrangements to be made for supervision and/or precautionary instructions to be issued by the relevant Eskom Manager


Note: Where and electrical outage is required, at least fourteen work days are required to arrange it.

10. Eskom's rights and duties in the servitude shall be accepted as having prior right at all times and shall not be obstructed or interfered with.
11. Under no circumstances shall rubble, earth or other material be dumped within the servitude restriction area. The developer shall maintain the area concerned to Eskom's satisfaction. The developer shall be liable to Eskom for the cost of any remedial action which has to be carried out by Eskom.
12. The clearances between Eskom's live electrical equipment and the proposed construction work shall be observed as stipulated by *Regulation 15 of the Electrical Machinery Regulations of the Occupational Health and Safety Act, 1993 (Act 85 of 1993)*.
13. Equipment shall be regarded electrically live and therefore dangerous at all times.
14. In spite of the restrictions stipulated by Regulation 15 of the Electrical Machinery Regulations of the Occupational Health and Safety Act, 1993 (Act 85 of 1993), as an additional safety precaution, Eskom will not approve the erection of houses, or structures occupied or frequented by human beings, under the power lines or within the servitude restriction area.
15. Eskom may stipulate any additional requirements to highlight any possible exposure to Customers or Public to coming into contact or be exposed to any dangers of Eskom plant.
16. It is required of the developer to familiarise himself with all safety hazards related to Electrical plant.
17. Any third party servitudes encroaching on Eskom servitudes shall be registered against Eskom's title deed at the developer's own cost. If such a servitude is brought into being, its existence should be endorsed on the Eskom servitude deed concerned, while the third party's servitude deed must also include the rights of the affected Eskom servitude.

John Geeringh (Pr Sci Nat)

Senior Consultant Environmental Management  
Eskom GC: Land Development



|   |             |                   |
|---|-------------|-------------------|
|  | <b>SCOT</b> | <b>Technology</b> |
|---|-------------|-------------------|

Title: **Renewable Energy Generation Plant Setbacks to Eskom Infrastructure** Unique Identifier: **240-65559775**

Alternative Reference Number: **N/A**

Area of Applicability: **Power Line Engineering**

Documentation Type: **Guideline**

Revision: **1**

Total Pages: **9**

Next Review Date: **N/A**

Disclosure Classification: **CONTROLLED DISCLOSURE**

**Compiled by**



**J W Chetty**  
**Mechanical Engineer**

Date: *23/11/2018*

**Approved by**



**B Ntshuntsha**  
**Chief Engineer (Lines)**

Date: *24/11/2018*

**Authorised by**



**R A Vajeth**  
**Snr Manager (Lines) and SCOT/SCI Chairperson**

Date: *16/11/2018*

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## **EXECUTIVE SUMMARY**

In recent decades, the use of wind turbines, concentrated solar plants and photovoltaic plants have been on the increase as it serves as an abundant source of energy. This document specifies setbacks for wind turbines and the reasons for these setbacks from infrastructure as well as setbacks for concentrated solar plants and photovoltaic plants. Setbacks for wind turbines employed in other countries were compared and a general setback to be used by Eskom was suggested for use with wind turbines and other renewable energy generation plants.

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## **1. INTRODUCTION**

During the last few decades, a large amount of wind turbines have been installed in wind farms to accommodate for the large demand of energy and depleting fossil fuels. Wind is one of the most abundant sources of renewable energy. Wind turbines harness the energy of this renewable resource for integration in electricity networks. The extraction of wind energy is its primary function and thus the aerodynamics of the wind turbine is important. There are many different types of wind turbines which will all exhibit different wind flow characteristics. The most common wind turbine used commercially is the Horizontal Axis Wind Turbine. Wind flow characteristics of this turbine are important to analyse as it may have an effect on surrounding infrastructure.

Wind turbines also cause large turbulence downwind that may affect existing infrastructure. Debris or parts of the turbine blade, in the case of a failure, may be tossed behind the turbine and may lead to damage of infrastructure in the wake path.

This document outlines the minimum distances that need to be introduced between a wind turbine and Eskom infrastructure to ensure that debris and / or turbulence would not negatively impact on the infrastructure.

Safety distances of wind turbines from other structures as implemented by other countries were also considered and the reasons for their selection were noted.

Concentrated solar plants and photovoltaic plants setbacks away from substations were also to be considered to prevent restricting possible power line access routes to the substation.

## **2. SUPPORTING CLAUSES**

### **2.1 SCOPE**

This document provides guidance on the safe distance that a wind turbine should be located from any Eskom power line or substation. The document specifies setback distances for transmission lines (220 kV to 765 kV), distribution lines (6.6 kV to 132 kV) and all Eskom substations. Setbacks for concentrated solar plants and photovoltaic plants are also specified away from substations.

#### **2.1.1 Purpose**

Setbacks for wind turbines and power lines / substations are required for various reasons. These include possible catastrophic failure of the turbine blade that may release fragments and which may be thrown onto nearby power lines that may result in damage with associated unplanned outages. Turbulence behind the turbine may affect helicopter flight during routine Eskom live line maintenance and

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inspections that may lead to safety risk of the aircraft / personnel. Concentrated solar plants and photovoltaic plants setback away from substations were required to prevent substations from being boxed in by these renewable generation plants limiting line route access to the substations.

### 2.1.2 Applicability

This document is applicable to the siting of all new and existing wind turbines, concentrated solar plants and photovoltaic plants near power lines and substations.

## 2.2 NORMATIVE/INFORMATIVE REFERENCES

### 2.2.1 Normative

1. <http://www.envir.ee/orb.aw/class=file/action=preview/id=1170403/Hiiumaa+turbulence+impact+EMD.pdf>.
2. <http://www.energy.ca.gov/2005publications/CEC-500-2005-184/CEC-500-2005-184.PDF>
3. <http://www.adamscountywind.com/Revised%20Site/Windmills/Adams%20County%20Ordinance/Adams%20County%20Wind%20Ord.htm>
4. [http://www.dsireusa.org/incentives/incentive.cfm?Incentive\\_Code=PA11R&RE=1&EE=1](http://www.dsireusa.org/incentives/incentive.cfm?Incentive_Code=PA11R&RE=1&EE=1)
5. <http://www.wind-watch.org/documents/european-setbacks-minimum-distance-between-wind-turbines-and-habitations/>
6. <http://www.publications.parliament.uk/pa/ld201011/ldbills/017/11017.1-i.html>
7. [http://www.caw.ca/assets/pdf/Turbine\\_Safety\\_Report.pdf](http://www.caw.ca/assets/pdf/Turbine_Safety_Report.pdf)
8. Rogers J, Slegers N, Costello M. (2011) A method for defining wind turbine setback standards. Wind energy 10.1002/we.468

### 2.2.2 Informative

None

## 2.3 DEFINITIONS

| Definition | Description   |
|------------|---|
| Setback    | The minimum distance between a wind turbine and boundary line/dwelling/road/infrastructure/servitude etc. |
| Flicker    | Effect caused when rotating wind turbine blades periodically cast shadows                                 |
| Tip Height | The total height of the wind turbine ie. Hub height plus half rotor diameter (see Figure1)                |

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### 2.3.1 Disclosure Classification

**Controlled disclosure:** controlled disclosure to external parties (either enforced by law, or discretionary).

### 2.4 ABBREVIATIONS

| Abbreviation | Description |
|--------------|-------------|
| None         |             |

### 2.5 ROLES AND RESPONSIBILITIES

All personnel involved in the positioning wind turbines, concentrated solar plants and photovoltaic plants near power lines/substations must follow the setbacks outlined in this guideline.

### 2.6 PROCESS FOR MONITORING

Approval by Eskom in writing.

### 2.7 RELATED/SUPPORTING DOCUMENTS

None

## 3. DOCUMENT CONTENT

### 3.1 INTERNATIONAL SETBACK COMPARISON

Wind Turbine setbacks employed by various countries were considered. It was found that setbacks were determined for various reasons that include noise, flicker, turbine blade failure and wind effects. The distances (setbacks) varied based on these factors and were influenced by the type of infrastructure

Wind turbine setbacks varied for roads, power lines, dwellings, buildings and property and it was noted that the largest setbacks were employed for reasons of noise and flicker related issues [1-7]. Very few countries specified setbacks for power lines.

The literature survey [1-7], yielded information about studies and experiments were conducted to determine the distance that a broken fragment from a wind turbine might be thrown. Even though of low probability of hitting a power line [ $5.0 \times 10^{-5}$ ]<sup>[8]</sup>, the distances recorded were significant [750m]<sup>[8]</sup>

Setbacks were thus introduced to prevent any damage to Eskom infrastructure.

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Wind turbines may also cause changes in wind patterns with turbulent effects behind the hub. These factors dictate the wind turbine setbacks specified in this document.

Concentrated solar plants and photovoltaic plants also can limit access into the substation for power lines of all voltages. A setback distance must therefore be employed to prevent the substation from being boxed in by these generation plants. These setback distances are specified in this document.

### **3.2 ESKOM REQUIRED SETBACKS**

A formal application must be sent to and accepted by Eskom if any of the below mentioned setback distances are infringed upon:

- Eskom requires a setback distance of 3 times the tip height of the wind turbine from the edge of the closest Eskom servitude (including vacant servitudes) for transmission lines (220kV to 765kV) and Substations.
- Eskom requires a setback distance of 1 times the tip height of the wind turbine from the edge of the closest Eskom servitude (including vacant servitudes) for distribution lines (66 kV to 132 kV) and Substations.
- An application must be sent to Eskom regarding any proposed wind turbine, concentrated solar plants and photovoltaic activity within a 5 km radius of a substation for Eskom to comment on the application.
- Where concentrated solar plants and photovoltaic structures fall within a 2 km radius of the closest point of a transmission or distribution substation (66kV to 765kV), Eskom should be applied to for approval in writing during the planning phase of such plant or structures.
- Applicants must not position any wind turbine in the line of site between and two Eskom Radio Telecommunication masts. It must be proven that Eskom radio telecommunication systems (mainly microwave systems) will not be affected in any way by wind turbines.
- If the position or size of any turbine changes and subsequently infringes on any of the above stated setbacks, an application must be sent through to Eskom as per the point mentioned above.

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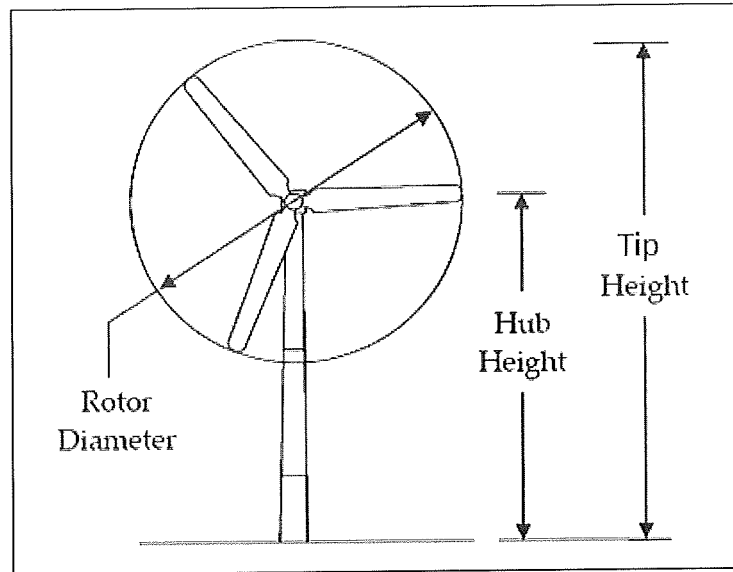


Figure 1: Horizontal Axis Wind Turbine <sup>[2]</sup>

**4. AUTHORISATION**

This document has been seen and accepted by:

| Name & Surname   | Designation                 |
|------------------|-----------------------------|
| V Naidoo         | Chief Engineer              |
| Dr P H Pretorius | Electrical Specialist       |
| J Geeringh       | Snr Consultant Environ Mngt |
| B Haridass       | Snr Consultant Engineer     |
| R A Vajeth       | Acting Snr Manager (Lines)  |

**5. REVISIONS**

| Date          | Rev. | Compiler   | Remarks   |
|---------------|------|------------|---|
| November 2013 | 0    | J W Chetty | First Publication - No renewable energy generation plant setback specification in existence |
| October 2018  | 1    | JW Chetty  | Modification to sub-section 3.2 to provide more clarity for application procedure           |

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## 6. DEVELOPMENT TEAM

The following people were involved in the development of this document:

Jonathan W Chetty (Mechanical Engineer)

Vivendhra Naidoo (Chief Engineer)

Dr Pieter H Pretorius (Electrical Specialist)

John Geeringh (Snr Consultant Environ Mngt)

Bharat Haridass (Snr Consultant Engineer)

Riaz A Vajeth (Acting Snr Manager (Lines))

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Department of Water and Sanitation



## water & sanitation

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Water and Sanitation  
REPUBLIC OF SOUTH AFRICA

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**Tel:** 053 836 7600  
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### **ABO Wind Aggeneys 2 (Pty) Ltd**

P.O. Box 148  
Sunninghill  
2157

Email: [publicprocess@savannahsa.com](mailto:publicprocess@savannahsa.com)

### **By Email/Registered Mail**

**Attention:** Ms Nicolene Venter

**RE: DRAFT BASIC ASSESSMENT REPORT FOR THE PROPOSED DEVELOPMENT OF 100 MW AGGENEYS 2 SOLAR PHOTOVOLTAIC (PV) FACILITY AND ASSOCIATED INFRASTRUCTURES NEAR AGGENEYS IN THE KHAI-MA LOCAL MUNICIPALITY, WITHIN THE JURISDICTION OF NAMAQUA DISTRICT MUNICIPALITY IN THE NORTHERN CAPE.**

Reference is hereby made to the Draft Basic Assessment Report for the proposed development of 100 MW Aggeneys 2 solar photovoltaic (PV) facility and associated infrastructures on the Remaining Extent of the Farm Bloemhoek 61, drafted by Savannah Environmental (Pty) Ltd on behalf of ABO Wind Aggeneys 2 PV (Pty) Ltd as submitted to the Department of Water and Sanitation on 24 April 2019.

### **1. RECOMMENDATIONS AND DECISION**

As mentioned in the report, the Department takes note that the proposed activity at the above mentioned location will include development of a 100MW Aggeneys 2 solar photovoltaic (PV) facility and associated infrastructures on a site located near Aggereys 2 within Khai-Ma Local Municipality. The Department has evaluated the said Draft Basic Assessment Report and has no objection to the approval of the Basic Assessment Report. However, the following should be addressed and presented to Department by the applicant before approval of the Basic Assessment Report:

- a) Please note that the Department rates all perennial and non-perennial rivers together with all dry river beds and natural drainage and associated riparian areas extremely sensitive to development. An option of developing (development of solar PV) furthest away from the all water course would be the preferred option;
- b) No development or construction should be done or may occur within 100 metres; 1:100 year flood line of a river/drainage lines (whichever is furthest) and 500 m of a pan/wetland without authorisation from this Department. The water courses should be delineated in order to provide an appropriate buffer to maintain such water courses;

**RE: DRAFT BASIC ASSESSMENT REPORT FOR THE PROPOSED DEVELOPMENT OF 100 MW AGGENEYS 2 SOLAR PHOTOVOLTAIC (PV) FACILITY AND ASSOCIATED INFRASTRUCTURES NEAR AGGENEYS IN THE KHAI-MA LOCAL MUNICIPALITY, WITHIN THE JURISDICTION OF NAMAKWA DISTRICT MUNICIPALITY IN THE NORTHERN CAPE.**

- c) Vehicles and other machinery must be serviced well above the 1:100 year flood line or within a horizontal distance of 100 meters from any watercourse or 500 m of a wetland/pan. Oils and other potential pollutants must be disposed at an appropriate licensed site, with the necessary agreement from the owner of such a site;
- d) Storm water must be diverted from the construction works and roads must be managed in such a manner as to disperse runoff and to prevent the concentration of storm water. Storm water control works must be constructed, operated and maintained in a sustainable manner throughout the project;
- e) Increased runoff due to vegetation clearance and/or soil compaction must be managed, and storm water leaving the construction site must in no way be contaminated by any substance, whether such substance is a solid, liquid, vapour or gas or a combination thereof which is produced, used, stored, dumped or spilled on the premises;
- f) A detailed layout plan needs to be submitted to the Department showing all the facilities in the proposed development including distance from the any watercourses. Details of the final design must also be included as soon as a decision has been made, as the details of this factor may influence the environmental impact both during the construction and operational phases of the project;
- g) Material with pollution generating potential must be limited in construction activities. Any hazardous substances must be handled according to the relevant legislation relating to transport, storage and use of the substance.
- h) Any spillage of any hazardous materials including diesel that may occur during construction and operation must be reported immediately to our Department;
- i) The final Basic Assessment Report must clearly show all water courses as defined in the National Water Act, 1998 (Act 36 of 1998) as well as the delineated 1:100 year flood lines or 100 meters of a river/drainage line (whichever is furthest) and 500 metres.
- j) Clear color topographical map showing the property, facilities in the property, land use, water courses and location of water abstraction point.
- k) The disposal of general waste and that of hazardous waste must be carried out in an environmentally safe way as to prevent and/or minimise the potential for pollution of water resources and collection of which should be done by an accredited waste collector. All applicable Sections of the National Environmental Management: Waste Act 59 of 2008 should be strictly adhered to;
- l) Your client is therefore advised to apply and obtain the water use authorisation prior to commencement of the proposed activities. The applicant should send the intent to apply for a water use authorisation to the Department;

**RE: DRAFT BASIC ASSESSMENT REPORT FOR THE PROPOSED DEVELOPMENT OF 100 MW AGGENEYS 2 SOLAR PHOTOVOLTAIC (PV) FACILITY AND ASSOCIATED INFRASTRUCTURES NEAR AGGENEYS IN THE KHAI-MA LOCAL MUNICIPALITY, WITHIN THE JURISDICTION OF NAMAKWA DISTRICT MUNICIPALITY IN THE NORTHERN CAPE.**


- m) Should the project continue; pre-consultation meeting must be arranged and a site visit and must be conducted by DWS officials with the applicant, and then followed by a Water Use Licence Application (proof of consultation and submission of an application). This must be submitted to DWS in terms of the National Water Act, 1998 (Act 36 of 1998) before any activities take place;
- n) All applicable Sections of the National Environmental Management: Waste Act 59 of 2008 should be strictly adhered to;
- o) Section 19 & 20 of the National Water Act, 1998 (Act No.36 of 1998) should be adhered to;

This reply does not grant any exemption from the requirements of any applicable Act, Ordinance, Regulation or By-law.

This office reserves the right to revise initial comments and request additional information that may arise from correspondence and/or upon inspection.

You may contact the Department should you have any enquiries.

Yours sincerely

  
\_\_\_\_\_  
**DIRECTOR: INSTITUTIONAL ESTABLISHMENT**  
DATE: 23/05/2019

South African Heritage Resources Agency



an agency of the  
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CaseID: 13729

Date: Friday May 24, 2019  
Page No: 1

## Final Comment

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

Attention: ABO Wind Aggeneys 2 PV (Pty) Ltd

**The development of a 100MW solar photovoltaic (PV) facility and associated infrastructure is proposed on the Remaining Extent of the Farm Bloemhoek 61, located approximately 11km south-east of Aggeneys in the Northern Cape Province. The solar PV facility**

Savannah Environmental (Pty) Ltd has been appointed by ABO Wind Aggeneys 2 PV (Pty) Ltd to conduct an Environmental Authorisation (EA) Application process for the proposed Aggeneys PV 1 Solar Energy Facility (SEF) with associated infrastructure, near Aggeneys, Northern Cape Province.

A draft Basic Assessment (DBAR) has been completed in terms of the National Environmental Management Act, 1998 (NEMA) and the 2017 NEMA Environmental Impact Assessment (EIA) Regulations. The proposed development will include the construction of an array of PV panels with a generation capacity of up to 100 MW, mounting structures for the PV panels, cabling, on-site invertors, an on-site substation, site offices and maintenance buildings, including workshops, temporary laydown areas, and internal roads and fencing.

ASHA Consulting and Natura Viva CC have been appointed to provide heritage input into the EA Application process as per section 38(8) of the National Heritage Resources Act, Act 25 of 1999 (NHRA).

*Orton, J. 2019. Heritage Impact Assessment: Proposed Aggeneys 2 – 100MW Solar PV Facility and Associated Infrastructure Near Aggeneys, Namakwaland Magisterial District, Northern Cape*

No heritage resources were identified within the proposed footprint; however, several isolated stone artefacts were noted as part of the background scatter of the landscape. An isolated lower grindstone was identified on the western boundary of the project area that will not be impacted. Small stone-walled features were noted on a rocky hill north of the study area, and an ephemeral artefact scatter consisting of a small grindstone, two quartz flakes and two ostrich eggshell fragments was identified 1.2 km south of the proposed footprint. Two possible graves of an unknown age were identified on the edge of the project area near a small rocky hill noted above. None of the identified heritage resources will not be impacted as they are located outside of the project footprint, though an indirect impact of minor significance would be if people visited the hill and disturbed any of the identified heritage features



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As the project area is near the Gamsberg, there may be living heritage sites in the surrounding area due to the possible location of a San massacre site within the mountain.

Recommendations provided in the report include the following:

- A 30 m buffer has been demarcated around the hill shown in Figure 11 of the HIA;
- Declare rocky hills no-go areas and keep workers/vehicles away from them;
- If any change in the footprint occurs, then an archaeologist should be consulted for an opinion on whether a survey is required; and
- If any archaeological or palaeontological material or human burials are uncovered during the course of development, then work in the immediate area should be halted. The find would need to be reported to the heritage authorities and may require inspection by an archaeologist. Such heritage is the property of the state and may require excavation and curation in an approved institution.

*Almond, J. E. 2018. Palaeontological Heritage Assessment: Desktop Study for the Aggeneys Proposed PV Solar Energy Facilities on the remaining extent of the farm Bloemhoek 61 and associated power line corridors near Aggeneys, Namakwa District Municipality, Northern Cape.*

The proposed development area is underlain at depth by unfossiliferous igneous and metamorphic basement rocks of the Namaqua-Natal Province, which is overlain by Late Caenozoic superficial sediments of the Kalahari Group of low to very low palaeontological sensitivity. The overall impact of the development will be very low.

Recommendations provided in the report include the following:

- Pending the potential discovery of significant fossil remains during the construction phase, in which case the Chance Fossil Finds Protocol appended here should be implemented, no further specialist palaeontological studies or mitigation are recommended for the PV solar projects and the associated grid connection;
- Ancient alluvial gravels (possibly calcretised) associated with Pleistocene or older fossil remains (e.g. mammalian bones and teeth) might be exposed in the existing borrow pit in the Koa River Palaeovalley area in the south-eastern portion of the Remaining Extent of the Farm Bloemhoek 61 (yellow circle in Fig. 2). If it is proposed to exploit alluvial gravel material from this pit as part of the PV solar facilities, a site inspection by a professional palaeontologist before excavations commence is recommended;





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CaseID: 13729

Date: Friday May 24, 2019  
Page No: 3

- These recommendations should be incorporated into the Environmental Management Programme (EMPr) for the proposed solar PV facilities and associated grid connection solutions.

Additional recommendations provided in the Environmental Management Programme (EMPr) on page 54 and 55 of the document are noted.

## 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 EMPr:

- 38(4)a – The SAHRA Archaeology, Palaeontology and Meteorites (APM) Unit has no objections to the proposed development;
- 38(4)b – The following specific conditions apply to the development:
  - i) – If the alluvial material referred to in the Palaeontological report is used, a site inspection by a qualified palaeontologist must be conducted. A report detailing this site inspection must be submitted to SAHRA for comment;
  - ii) – If the layout of the development is amended, an archaeologist must be contacted to provide an assessment of the altered layout. A report/letter detailing the results of the assessment of the new layout must be provided to SAHRA for comment;
- 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

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CaseID: 13729

Date: Friday May 24, 2019  
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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;

- The Final BAR and EMPr must be uploaded to the SAHRIS application 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

---

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/522853>  
(DEA, Ref: )

Terms & Conditions:

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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.