

## Dale Holder

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**From:** Dale Holder <dale@cape-eaprac.co.za>  
**Sent:** 09 October 2013 04:20 PM  
**To:** 'René de Kock (WR)'  
**Subject:** RE: N14/4: RE CAPITAL 3 SOLAR DEVELOPMENT ON PORTION 12 OF THE FARM DYASONSKLIP 254 NEAR UPINGTON, NORTHERN CAPE  
**Attachments:** Response to SANRAL comment of 12 sep 2013.pdf

Hi Rene

Thank you very much for your comment. The response to the letter is attached.

We will notify you and supply you with a copy of the Draft EIR as soon as it is available.

Kind Regards,

Dale Holder  
Cape EAPrac

Tel: 044 874 0365  
Fax: 044 874 0432  
5 Progress Street, Eagle View Building, 1st floor P.O. Box 2070, George, 6530  
web: [www.cape-eaprac.co.za](http://www.cape-eaprac.co.za)

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

**From:** René de Kock (WR) [<mailto:Dekockr@nra.co.za>]  
**Sent:** 12 September 2013 01:06 PM  
**To:** 'Dale Holder'  
**Cc:** Colene Runkel (WR)  
**Subject:** N14/4: RE CAPITAL 3 SOLAR DEVELOPMENT ON PORTION 12 OF THE FARM DYASONSKLIP 254 NEAR UPINGTON, NORTHERN CAPE

Dale,

Thank you for your letter dated 6 August 2013.

Attached please find a copy of SANRAL's comments for your attention. The original letter will be posted shortly.

Kind regards

Rene de Kock  
STATUTORY CONTROL

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# Cape Environmental Assessment Practitioners (Pty) Ltd

Reg. No. 2008/004627/07  
VAT No 4720248386

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1<sup>st</sup> Floor Eagles View Building  
5 Progress Street, George  
PO Box 2070, George 6530

09 October 2013  
KAI231

Attention: **Rene de Kock**  
South African National Roads Agency Ltd

Email: [dekokcr@nra.co.za](mailto:dekokcr@nra.co.za)

**RE: PROPOSED RE CAPITAL 3 SOLAR DEVELOPMENT ON PORTION 12 OF THE FARM DYASONSKLIP 254 NEAR UPINGTON, NORTHERN CAPE.**

SANRAL Ref: W11/2/3-14/4-12  
DEA Reference: 14/12/16/3/3/2/538

Thank you very much for your comment received on 12 September 2013 and for your participation in this process.

We take note of the requirement to obtain a permit from PGNC should abnormal loads be required to be transported by road to the site. This requirement has been communicated to the project engineers who will undertake the permit application should it become necessary during the construction phase of this project.

SANRAL's preferred access route options to the two alternative sites is noted. A transport engineer will be approached to provide input into the suitability of the various access road options. Further details of this will be included in the Draft Environmental Impact Report. SANRAL will be given an opportunity to provide comment on this report.

We can confirm that there are no intentions to install any services for this project within 60m of the National Road. Notwithstanding, the project engineers have been notified of this requirement, should the need for installation of such services arise in the future.

Please contact Cape EAPrac, should you require any additional information in this regard.

Sincerely,

**Dale Holder**  
Cape EAPrac



Reg. No. 1998/009584/06

**Western Region**  
Parc du Cap, Building 5, cor. Mispel Str & Wille van Schoor Avenue, Bellville, 7530  
Private Bag X19, Bellville, South Africa, 7530  
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**Head Office** Tel +27 (0) 12 844 8000 Fax +27 (0) 12 844 8200

**Offices in Merivn - Pretoria, Pietermaritzburg, Port Elizabeth**

**Reference:** W11/2/3-14/4-12      **Fax Number:** +27 (0) 21 946 1630  
**Date:** 12 September 2013      **Direct Line:** +27 (0) 21 957 4600  
**Email:** dekokkr@nra.co.za      **Website:** [www.sanral.co.za](http://www.sanral.co.za)

**Date Holder**  
Cape EAPrac  
PO Box 2070  
**GEORGE**  
6530

*Creating  
wealth through  
infrastructure*

Dear Mr Holder

**THE PROPOSED RE CAPITAL 3 SOLAR DEVELOPMENT ON PORTION 12 OF  
THE FARM DYASONSKLIP 254 NEAR UPINGTON, NORTHERN CAPE**

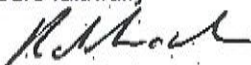
**DEA: 14/12/16/3/3/2/538**

Thank you for your letter dated 6 August 2013.

The South African National Roads Agency Limited (SANRAL) has the following comments:

- (1) If abnormal loads have to be transported by road to the site, a permit needs to be obtained from the Provincial Government Northern Cape (PGNC).
- (2) Access:
  - The proposed northern site must obtain access from district road D3276.
  - SANRAL prefers that access be obtained from the neighboring solar facility access road, for the central site option
- (3) If services need to be constructed within 60m measured from the road reserve fence or if a crossing of the national road is required, the services owner must apply for a wayleave.

Yours faithfully

  
René de Kock

**STATUTORY CONTROL**

Docs 484480



Reg. No. 1998/009584/06

**Western Region**

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**Offices in Menlyn** - Pretoria, Pietermaritzburg, Port Elizabeth

**Reference:** W11/2/3-14/4-12      **Fax Number:** +27 (0) 21 946 1630  
**Date:** 12 September 2013      **Direct Line:** +27 (0) 21 957 4600  
**Email:** dekokkr@nra.co.za      **Website:** [www.sanral.co.za](http://www.sanral.co.za)

Dale Holder  
Cape EAPrac  
PO Box 2070  
**GEORGE**  
6530

*Creating  
wealth through  
infrastructure*

Dear Mr Holder

**THE PROPOSED RE CAPITAL 3 SOLAR DEVELOPMENT ON PORTION 12 OF  
THE FARM DYASONSKLIP 254 NEAR UPINGTON, NORTHERN CAPE**

**DEA: 14/12/16/3/3/2/538**

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The South African National Roads Agency Limited (SANRAL) has the following comments:

- (1) If abnormal loads have to be transported by road to the site, a permit needs to be obtained from the Provincial Government Northern Cape (PGNC).
- (2) Access:
  - The proposed northern site must obtain access from district road D3276.
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- (3) If services need to be constructed within 60m measured from the road reserve fence or if a crossing of the national road is required, the services owner must apply for a wayleave.

Yours faithfully

**René de Kock**

**STATUTORY CONTROL**

Docs 484480

## Dale Holder

---

**From:** Dale Holder <dale@cape-eaprac.co.za>  
**Sent:** 15 October 2013 01:05 PM  
**To:** 'Kathryn Smuts'  
**Subject:** RE: SAHRA review comment RE Capital 3 Solar Development Scoping  
**Attachments:** KAI231.05 Response to SAHRA.pdf

Dear Katie

Please see the attached letter in response to your preliminary comment on the abovementioned project.

Please let me know if I should also upload such letters onto SAHRIS.

The Final Scoping Report will be submitted to DEA later this afternoon and you will also get a notification in this regard. Dr Morris has been appointed to continue with the AIA and he will more than likely begin field work in early November. I will notify you as soon as his updated report has been uploaded.

Kind Regards,

Dale Holder  
*Cape EA Prac*

Tel: 044 874 0365  
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**From:** Kathryn Smuts [<mailto:ksmuts@sahra.org.za>]  
**Sent:** 29 August 2013 11:46 AM  
**To:** Dale Holder; ratha timothy; David Morris  
**Subject:** SAHRA review comment RE Capital 3 Solar Development Scoping

Dear Mr Holder,

Attached please find the SAHRA review comment for the Heritage Scoping Report for the proposed RE Capital 3 Solar Development.

Kind regards,  
Katie Smuts

Heritage Officer: Archaeology, Palaeontology and Meteorites  
South African Heritage Resources Agency  
111 Harrington Street  
PO Box 4637, Cape Town 8000,  
South Africa  
E-mail: [ksmuts@sahra.org.za](mailto:ksmuts@sahra.org.za)  
Phone : +27 (0)21 462 4502  
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5 Progress Street, George  
PO Box 2070, George 6530

10 October 2013  
KAI231/05

Attention: **Kathryn Smuts**  
Heritage Officer: Archaeology  
South African Heritage Resources Agency

Via Email

**Re: The Establishment of a 225 MW PhotoVoltaic Solar Facility on 500ha of Portion 12 of the Farm Dyasonsklip 454.**

**SAHRA Reference:** 9/2/032/004  
**Case ID:** 3324

Thank you for your preliminary comment received on 29 August 2013 for the proposed Re Capital 3 Solar Development near Upington in the Northern Cape and for your pro-active participation in this environmental process.

Dr David Morris will undertake the required further studies as required in your letter, namely;

- A full Heritage Impact Assessment, consisting of an Archaeological and Palaeontological Impact Assessment.

This study along with the Draft Environmental Impact Assessment will be uploaded to the SAHRIS as soon as it is completed. You will be notified of its availability as soon as it is uploaded.

Please contact this office should you have any further queries in this regard.

Sincerely,

**Dale Holder**  
Cape EAPrac



## Interim Comment

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

**Attention:** Mr Dale Holder  
Cape Environmental Assessment Practitioners  
5 Progress Street, Eagle View Building, 1st floor  
P.O. Box 2070  
George  
6530

### The Establishment of a 225 Megawatt PhotoVoltaic Solar Facility 500ha of Portion 12 of the Farm Dyasonsklip 454.

Morris, D. July 2013. *RE Capital 3 Solar Development on the property Dyasons Klip west of Upington, Northern Cape: Scoping phase Heritage*

RE Capital 3 (Pty) Ltd has proposed the establishment of a PV solar development of up to 225MW, consisting of three 165ha Phases of 75MW each. The plant will be located on a 500ha portion of Portion 12 of Farm Dyasons Klip 454, Khai Garib Local Municipality, Northern Cape. The infrastructure for the project will include solar arrays, an onsite substation with transformer, internal reticulation and a road network. Additional facilities will include ablution, workshop and storage areas. The power will be fed to the newly planned Eskom MTS Substation some 5-10km away; a separate EIA process is being followed for the Substation.

The archaeologist conducted a Heritage Scoping Report for the proposal. The report notes that Early and Middle Stone Age artefacts exist at low densities across the region, reflecting a previously more hospitable environment. Later Stone Age sites are present in the form of short-duration encampments near the Orange River and in hilly areas; these sites are usually located near landscape features. There is also a specularite mine and rock shelter to the north east of the project area. Background research established that the area was first penetrated historically in the late 1700s and records that the name of the farm, Dyasons Klip, commemorates the death of Captain Dyason during the Korana War of 1879-1880. Further violence occurred in 1907 when a Nama rebel was shot at Eensaamheid to the north.

The author notes that the area is likely not to be rich in archaeological resources, due to a lack of focal landscape features. Nonetheless, he recommends that a full field survey is conducted as part of a Heritage Impact Assessment that includes a palaeontological survey.

#### Case Decision:

SAHRA supports the recommendations of the author and requests that:

- A full Heritage Impact Assessment, consisting of an Archaeological and Palaeontological Impact Assessment, must be compiled for this application.
- The archaeological component will identify the archaeological sites and assess their significance. It





## RE Capital 3 Solar Development

Our Ref: 9/2/032/0004

Enquiries: Kathryn Smuts  
Tel: 021 462 4502  
Email: ksmuts@sahra.org.za  
CaseID: 3324

Date: Thursday August 29, 2013

Page No: 2



should also make recommendations (as indicated in section 38 of the NHRA) about the process to be followed. For example, there may need to be a mitigation phase (Phase 2) where the specialist will collect or excavate material and date the site. At the end of the process the heritage authority may give permission for destruction of the sites.

- The palaeontological study must be undertaken to assess whether or not the development will impact upon palaeontological resources - or at least a letter from a Palaeontologist motivating for an exemption is needed to indicate that this is unnecessary. If the area is deemed sensitive, a full Phase 1 Palaeontological Impact Assessment will be required and if necessary a Phase 2 rescue operation might be necessary (see [www.palaeontologicalsociety.co.za](http://www.palaeontologicalsociety.co.za)).

SAHRA looks forward to receiving these reports and will provide comment on them once they have been reviewed.

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

Yours faithfully

---

Kathryn Smuts  
Heritage Officer: Archaeology  
South African Heritage Resources Agency

---

Colette Scheermeyer  
SAHRA Head Archaeologist  
South African Heritage Resources Agency

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### ADMIN:

Direct URL to case: <http://www.sahra.org.za/node/128284>  
(DEA, Ref: 14/12/16/3/3/2/538)



The South African Heritage Resources Agency

Street Address: 111 Harrington Street, Cape Town 8000 \* Postal Address: PO Box 4637, Cape Town 8000  
\* Tel: +27 21 462 4502 \* Fax: +27 21 462 4509 \* Web: <http://www.sahra.org.za>

## Dale Holder

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**From:** Dale Holder <dale@cape-eaprac.co.za>  
**Sent:** 15 October 2013 01:28 PM  
**To:** 'Hohne Danita'  
**Subject:** RE: Groundwater comments for RE Capital 3 Solar Development on Portion 12 of the farm Dyasonklip 254, Northern Cape

Dear Danita

### RE Capital 3 Solar Development on Portion 12 of the farm Dyasonklip 254, Northern Cape

Thank you very much for your comments received on the Draft Scoping Report for the proposed Re Capital 3 solar development on portion 12 of the Farm Dyasonsklip 254.

I confirm that your comment has been submitted to the Project Managers and Engineers who have taken note of the requirements. The following is proposed in response to your comments.

- The recommended pump tests will be undertaken (service provider still to be appointed) and the results of these pump tests will be submitted to the Department of Water Affairs along with the Integrated Water Use Licence Application. It is the understanding that this WULA can only be submitted to DWA if the project receives an Environmental Authorisation and is selected as a preferred bidder by the Department of Energy.
- The current landowner has been requested to do monthly measurements of the borehole levels. These measurements will be provided to DWA along with the submission of the WULA.
- The project Engineers are currently investigating alternative panel cleaning technologies. The results of these investigations will be provided to you for further comment in the Draft Environmental Impact Report.

Please contact this office should you have any further queries in this regard.

Sincerely,

Dale Holder  
*Cape EAPrac*

Tel: 044 874 0365  
Fax: 044 874 0432  
5 Progress Street, Eagle View Building, 1st floor  
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**From:** Hohne Danita [<mailto:HohneD@dwa.gov.za>]  
**Sent:** 12 September 2013 09:49 AM  
**To:** [dale@cape-eaprac.co.za](mailto:dale@cape-eaprac.co.za)  
**Subject:** Groundwater comments for RE Capital 3 Solar Development on Portion 12 of the farm Dyasonklip 254, Northern Cape

Good day Dale,

Unfortunately our scanner does not work so I have to send comments like this.  
Im only back in office from the 22st of September but I hope that by then I will be able to scan you the formal comments and send it to you.

**Groundwater comments for RE Capital 3 Solar Development on Portion 12 of the farm Dyasonklip 254, Northern Cape**

The Department of Water Affairs does not imply any guarantee that the said quantities or qualities of water will be available at present or at any time in the future.

The amount of water that the applicant wants to abstract from 2 boreholes is 7m<sup>3</sup> per day for construction and maintenance.

In the EIA engineering report it was stated that the farmer on which farm this project will take place said the water from the boreholes are strong enough as it serves as drinking water for the house.

It was also stated that RE Capital 3 would apply for an Integrated Water Use License (IWULA) making use of Section 21 A, C and I.

Taking all of the above mentioned into account. It is recommended that pump test, not a blow yield test, be done on both the boreholes by an accredited person or company. This is one of the requirements for the IWULA.

It is recommend that the applicant do a monthly monitoring of the water level of the boreholes and keep it on record as it is in the applicant's best interest to do so.

Also note that previous comments that I done for other Solar developments I told them that we can expect a drought one of these days, and they then looked into an option to clean the panels with high pressure wind, maybe something you can also consider.

Kind regards

Danita Hohne  
*Cand. Sci. Nat.*  
Scientific Technician

Department of Water Affairs  
Private Bag X5912  
Upington  
8800  
Tel: (054) 338 5881  
Fax: (054) 334 0205

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## Dale Holder

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**From:** Dale Holder <dale@cape-eaprac.co.za>  
**Sent:** 15 October 2013 02:14 PM  
**To:** 'John Geeringh'  
**Subject:** RE: Letter dated 06 August 2013 Ref: KHA231/04

Dear John

### PROPOSED RE CAPITAL 3 SOLAR DEVELOPMENT ON PORTION 12 OF THE FARM DYASONSKLIP 254.

Thank you for your comment on the Draft Scoping Report for the proposed Re Capital 3 Solar development near Upington and for your participation in this Environmental Process.

I confirm that the requirements for working near ESKOM Servitudes have been provided to the Project Managers, who have drafted a signed declaration stating that they will comply with this requirement. A copy of this declaration is included in the Final Scoping Report that been submitted to the Department of Environmental Affairs.

I will notify you of the availability of the Draft Environmental Impact Report as soon as it becomes available, should you wish to provide further comments.

Kind Regards,

Dale Holder  
*Cape EAPrac*

Tel: 044 874 0365  
Fax: 044 874 0432  
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In the interest of resource conservation please reconsider printing this email.

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**From:** John Geeringh [mailto:GeerinJH@eskom.co.za]  
**Sent:** 05 September 2013 10:22 AM  
**To:** Dale Holder  
**Subject:** RE: Letter dated 06 August 2013 Ref: KHA231/04

Thanks for

The prompt response. I have gone through the SR and the proposed areas for development does not seem to have an impact on existing Eskom Transmission infrastructure. The planned Eskom solar park is also on the other side of the current Arbeloa CSP facility that is under construction. Connecting to the proposed Eskom MTS substation in future may pose some challenges due to the number of connections to be made there, however careful planning should overcome the challenges. Please find attached the requirements for works at or near Eskom infrastructure should such be on site or on route to the connection point.

Kind regards

John Geeringh (Pr Sci Nat)  
Snr Consultant Env Management  
GC Land Development  
Megawatt Park D1 Y38  
P O Box 1091  
Johannesburg

2000

Tel: 011 516 7233  
Fax: 086 661 4064  
Cell: 083 632 7663  
E-mail: [john.geeringh@eskom.co.za](mailto:john.geeringh@eskom.co.za)

---

**From:** Dale Holder [<mailto:dale@cape-eaprac.co.za>]  
**Sent:** 05 September 2013 10:11 AM  
**To:** John Geeringh  
**Subject:** RE: Letter dated 06 August 2013 Ref: KHA231/04

Dear John

Thank you for your email. I apologise for this, the incorrect reference number on the notification letter was a typing error on my behalf. The reference number that is shown on the draft scoping report is the correct reference number

The correct reference numbers are as follows.

NEAS Reference: DEA/EIA/0001825/2013  
DEA Reference: 14/12/16/3/3/2/538

I have attached a corrected copy of the letter notification of the availability of the DSR (the one sent with the CD).

I once again apologise for this. Please let me know if you need any additional specific information in this regard.

Kind Regards,

Dale Holder  
Cape ~~EAP~~Prac

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Fax: 044 874 0432  
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In the interest of resource conservation please reconsider printing this email.

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**From:** John Geeringh [<mailto:GeerinJH@eskom.co.za>]  
**Sent:** 05 September 2013 10:03 AM  
**To:** [dale@cape-eaprac.co.za](mailto:dale@cape-eaprac.co.za)  
**Subject:** Letter dated 06 August 2013 Ref: KHA231/04

Dear Dale, I am in receipt of the Draft SR for the project reference 12/12/20/2602, proposed RE Capital 3 solar development on portion 12 of the farm Dyasonsklip 254 near Upington.

Please note that four reference numbers and the DEA reference number on your cover letter and the DEA reference number for the SR on the CD (KAI231/03) is different, This is very confusing since the project referenced on your cover letter, 12/12/20/2602 has already received an EA on 17 July 2013. I hope this was just a little cut and paste mistake?

Regards

John Geeringh (Pr Sci Nat)  
Snr Consultant Env Management  
GC Land Development  
Megawatt Park D1 Y38  
P O Box 1091  
Johannesburg  
2000

Tel: 011 516 7233  
Fax: 086 661 4064  
Cell: 083 632 7663  
E-mail: [john.geeringh@eskom.co.za](mailto:john.geeringh@eskom.co.za)

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## Dale Holder

---

**From:** Adrian Tiplady <atiplady@ska.ac.za>  
**Sent:** 21 August 2013 08:30 AM  
**To:** Dale Holder  
**Cc:** Tshegofatso Monama; Ntokozo Sosibo / SKA  
**Subject:** Re: Proposed Re-Capital 3 Solar Development Facility  
**Attachments:** Letter reg Establishment of cape-eaprac(3-Capital) PV.pdf

Hi Dale,

Please find attached.

On 2013/08/08 02:47 PM, Dale Holder wrote:

Dear Dr Tiplady

Please find the attached letter and shapefiles relating to the proposed RE Capital 3 Solar development of portion 12 of the Farm Dyasonsklip 454 near Keimoes in the Northern Cape.

Many Thanks and Kind Regards,

Dale Holder  
**Cape EAPrac**

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Mr Dale Holder  
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6530

Tel (044) 874 0365  
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E-mail: [dale@cape-eaprac.co.za](mailto:dale@cape-eaprac.co.za)

Date: 19 August 2013

Dear Mr. Holder,

**Re: Development of a PV Facility on a portion of Portion 12 of the farm Dyasonsklip 454 near Upington in the Northern Cape.**

This letter is in response to your email request, to provide an assessment on the potential development of a photo -voltaic electricity generation facilities in the Northern Cape Province and the risk it may pose on the Square Kilometre Array Project.

A high level risk assessment has been conducted at the South African SKA Project Office to determine the potential impact of such facilities on the Square Kilometre Array. This letter serves to confirm the outcomes of the risk assessment, and proposals for any future investigations associated with this facility.

- I. The location of the proposed facility has been provided in the form of GIS shapefiles;
- II. The nearest SKA station has been identified as Rem-Opt-09, at approximately 32km from the proposed installation;
- III. Based on distance to the nearest SKA station, and the information currently available on the detailed design of the PV installation, this facility poses a low risk of detrimental impact on the SKA;
- IV. Any transmitters that are to be established, or have been established, at the site for the purposes of voice and data communication will be required to comply with the relevant AGA regulations concerning the restriction of use of the radio frequency spectrum that applies in the area concerned;
- V. As a result of the very low risk associated with the PV facility, no mitigation measures would be required at this stage. However, the South African SKA Project Office would like to be kept informed of progress with this project, and reserves the right to further risk assessments at a later stage.

This technical advice is provided by the South African SKA Project Office on the basis of the protection requirements of the SKA in South Africa, and does not constitute legal approval of the renewable energy projects







SKA SOUTH AFRICA  
SQUARE KILOMETRE ARRAY

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in terms of the Astronomy Geographic Advantage Act, the Management Authority, and its regulations or declarations.

Regards,

Dr. Adrian Tiplady  
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22 November 2013

**Ref. CA8/8/Upington  
CAA-2013-07-Sol003**

Attention: Emma Van der Merwe

**Approved: Proposed RE Capital 3 Solar PV Energy Facility, situated near Upington in the North Cape Province.**

After evaluating the site position and reviewing the information received on 2<sup>nd</sup> August 2013, the CAA has **no objection** to the proposed energy facility subject to a maximum height of 10m above ground level.

The proposed overhead electric power/transmission lines are restricted to a maximum of 32m above ground level.

Note that this SACAA letter of no objection does not substitute or replace other approvals which may be required by the applicant.

Yours truly,



**Koos Pretorius**  
Acting Manager AOG  
Air Navigation Services

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