

APPENDIX H3: CONSULTATION ORGANS OF STATE

10 September 2019

Dear Stakeholder and Interested and Affected Party,

**APPLICATION FOR AMENDMENT TO THE ENVIRONMENTAL AUTHORISATION:
PROPOSED SIRIUS SOLAR PV PROJECT TWO, NEAR UPINGTON, NORTHERN CAPE PROVINCE
(DEA REF: 14/12/16/3/3/2/481)**

NOTIFICATION OF AVAILABILITY OF THE MOTIVATION REPORT FOR REVIEW AND COMMENT

Sirius Solar PV Project Two RF (Pty) Ltd received an Environmental Authorisation (EA) on 9 July 2014 (DEA Ref. No. 14/12/16/3/3/2/481) for the development of a solar PV facility (including associated infrastructure) with a contracted capacity of up to 75MW on the Remaining Extent of the Farm Tungsten Lodge 638 near Upington within the Kai !Garib Local Municipality and the ZF Mgcawu District Municipality in the Northern Cape Province. The project is located within the Upington Renewable Energy Development Zone (REDZ 7).

Following the issuance of the EA, the project was granted amended EAs on 23 May 2017 (DEA Ref. No. 14/12/16/3/3/2/481/AM1) and 11 July 2017 (DEA Ref. No. 14/12/16/3/3/2/481/AM2).

The project is intended to be bid into the Risk Mitigation Independent Power Producer (IPP) Programme of the Department of Mineral Resources and Energy which requires a generation capacity of 2 000MW. There has been advancements to photovoltaic (PV) panel technology since the issuing of the EA, and the type of PV panels considered at the time of the issuing of the EA are therefore considered not to be the most suitable in terms of production and economic considerations. It is for this reason that the Applicant has submitted an Application to the Department of Environment, Forestry and Fisheries for a Part 2 Amendment Process to consider an increase in the capacity of the authorised Sirius Solar PV Project Two by 75MW to ensure adequate electricity supply, as well the construction and operation of a Battery Energy Storage System (BESS) for the solar PV facility.

The BESS will have a contracted capacity of up to 4.5GWh and will be located within a development area within an extent of up to 18ha within the authorised development footprint of the solar PV facility. The BESS will have a footprint of 6.5ha and will be adjacent to the authorised on-site facility substation of the solar PV facility.

Taking the above into consideration, Sirius Solar PV Project Two RF (Pty) Ltd is requesting the Department of Environment, Forestry and Fisheries (DEFF) to amend the project description of the EA (dated 9 July 2014) as follows:

| | |
|-------------------------------|---|
| Export Capacity | 150MW |
| Battery Energy Storage System | <p>Consisting of the following components:</p> <ul style="list-style-type: none"> - Lithium-ion, Lithium Iron Phosphate, Sodium Sulphur or Vanadium Redox batteries inside containers with a maximum height of 2.8m; and - Multi-core, 33kV underground cables to connect the battery storage area to the on-site facility substation of the solar PV facility. |

In terms of Condition 5 of the Environmental Authorisation dated 9 July 2014 and Regulation 31 of the EIA Regulations, 2014, as amended, it is possible for an applicant to apply, in writing, to the competent authority for a change or deviation from the project description to be approved.

In order to verify the potential for a change in the impacts on ecology, water resources, soil and agricultural potential, heritage and palaeontology, visual and social aspects, specialist input into the amendment motivation report has been included.

Savannah Environmental has prepared a Motivation Report in support of this Amendment Application on behalf of Sirius Solar PV Project Two RF (Pty) Ltd. The Motivation Report is available for a 30-day review and comment period from **Friday, 11 September 2020** to **Monday 12 October 2020** and can be downloaded from Savannah Environmental's website (<https://www.savannahsa.com/public-documents/energy-generation/sirius-solar-pv-project-two/>). The due date for written comment is **Monday, 12 October 2020**.

All comments received will be included in the final Motivation Report which will be submitted to the DEFF for review and decision-making.

Our team welcomes your participation and looks forward to your involvement throughout this process. We also welcome you to share this information with any other parties that you feel will have interest in the project and should be part of this process (such as occupiers of directly affected or surrounding properties, interest groups, community groups etc.).

Kind regards,



Nicolene Venter

Public Participation and Social Consultant

E-mail: publicprocess@savannahsa.com

Sent to all Organs of State on project database
(refer to Appendix H1: I&AP Database)

SIRIUS SOLAR PV PROJECT 2: Notification of Availability of the Motivation Report

 Savannah Public Process
To:  Ronald Baloyi;  Nicolene Venter
Bcc: [Redacted]
Attachments: SE2840 Sirius PV2 MR Notification-FINAL.pdf (133 KB)
Actions: Reply, Reply All, Forward, ...
Date: Thu 2020/09/10 15:18

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PROPOSED SIRIUS SOLAR PV PROJECT TWO, NEAR UPINGTON, NORTHERN CAPE PROVINCE

[DEA REF: 14/12/16/3/3/2/481]

Dear Stakeholder and Interested & Affected Party,

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Following the issuance of the EA, the project was granted amended EAs on 23 May 2017 (DEA Ref. No. 14/12/16/3/3/2/481/AM1) and 11 July 2017 (DEA Ref. No. 14/12/16/3/3/2/481/AM2).

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Kind Regards,

 **Ronald Baloyi**
Public Participation Co-ordinator and
Administrator
+27 (0)11 66 3027 | publicprocess@savannah.com
+27 (0) 86 684 3247 | +27 (0)40 978 5296

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

Availability of Motivation Report for review
and comment

10 September 2019

Dear Stakeholder,

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PROPOSED SIRIUS SOLAR PV PROJECT TWO, NEAR UPINGTON, NORTHERN CAPE PROVINCE
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AVAILABILITY OF MOTIVATION REPORT FOR REVIEW AND COMMENT

In terms of Regulation 43(2) of the EIA Regulations, 2014, as amended, this letter serves to inform you that Savannah Environmental has prepared a Motivation Report in support of this Amendment Application on behalf of Sirius Solar PV Project Two RF (Pty) Ltd. The Motivation Report is available for a 30-day review and comment period from **Friday, 11 September 2020 to Monday 12 October 2020** and can be downloaded from Savannah Environmental's website (<https://www.savannahsa.com/public-documents/energy-generation/sirius-solar-pv-project-two/>).

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Kind regards,



Nicolene Venter

Public Participation and Social Consultant

E-mail: publicprocess@savannahsa.com

[Print](#)

Note Report

10 September 2020 06:14 PM

Abrahams, Nicole (Environmental Coordinator:
Western Region)
South African National Roads Agency Limited

Private Bag X19

Cape Town 7535

Email: Abrahamsn@nra.co.zaMain (021) 957-4602
Fax (021) 910-1699**2020-09-10 06:13 PM****Creator: Nicolene Venter** Type: Email

Subject: SIRIUS SOLAR PV PROJECT 2: Notification of Availability of the Motivation Report

Body:

APPLICATION FOR AMENDMENT TO THE ENVIRONMENTAL AUTHORISATION:
PROPOSED SIRIUS SOLAR PV PROJECT TWO, NEAR UPINGTON, NORTHERN CAPE PROVINCE

(DEA REF: 14/12/16/3/3/2/481)

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--

An email has been sent to Abrahamsn@nra.co.za; "Nicolene Venter" <nicolene@savannahsa.com>

Please refer to the email saved in the Documents window.

2020-09-10 05:07 PM**Creator: EMAILUSER** Type: Email

Campaign 'Tronox Process Notification' activity 'Tronox Process Notification': email has been successfully sent to address 'Abrahamsn@nra.co.za'.

Buthelezi, Thoko (Administration Clerk: National
Office)
**Department of Agriculture, Forestry and
Fisheries**

Email: thokob@daff.gov.za

2020-09-10 06:13 PM

Creator: Nicolene Venter Type: Email

Subject: SIRIUS SOLAR PV PROJECT 2: Notification of Availability of the Motivation Report

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Please refer to the email saved in the Documents window.

2020-09-10 05:07 PM

Creator: EMAILUSER Type: Email

Campaign 'Tronox Process Notification' activity 'Tronox Process Notification': email has been successfully sent to address 'thokob@daff.gov.za'.

Cloete, Shaun
Department of Water and Sanitation

Department: Lower Orange WMA

Main (054) 338-5800
Fax (054) 334-0205
Cell (083) 633-3642

Email: cloetes@dws.gov.za

2020-09-10 06:13 PM

Creator: Nicolene Venter Type: Email

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Please refer to the email saved in the Documents window.

De Waal, Isaak (Municipal Manager)
Kai !Garib Local Municipality

Kai Garib Local Municipality
Main Road
Keimoes 8870
Email: mm@kaigarib.gov.za

Main (054) 461-6400
Fax (054) 461-6401
Cell (078) 802-8938

2020-09-10 06:13 PM

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An email has been sent to mm@kaigarib.gov.za;"Nicolene Venter" <nicolene@savannahsa.com>

Please refer to the email saved in the Documents window.

Fisher, Bryan (Director)
**Northern Cape Department of Environment &
Nature Conservation**

Department: Environmental Quality
Management

Main 0538077431
Cell 0832708323

Email: BFisher@ncpg.gov.za

2020-09-10 06:13 PM

Creator: Nicolene Venter Type: Email

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An email has been sent to BFisher@ncpg.gov.za;"Nicolene Venter" <nicolene@savannahsa.com>

Please refer to the email saved in the Documents window.

Geeringh, John
Eskom Holdings SOC Ltd

Email: GeerinJH@eskom.co.za

2020-09-10 06:13 PM

Creator: Nicolene Venter Type: Email

Subject: SIRIUS SOLAR PV PROJECT 2: Notification of Availability of the Motivation Report

Body:

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An email has been sent to GeerinJH@eskom.co.za;"Nicolene Venter" <nicolene@savannahsa.com>

Please refer to the email saved in the Documents window.

Hlongwane, Alexia (Water Quality Manager)
Department of Water and Sanitation

Louisvale Road
Upington
Northern Cape 8801
Email: HlenganiA@dws.gov.za

Main (054) 338-5872
Cell (082) 819-4687

2020-09-10 06:13 PM

Creator: Nicolene Venter Type: Email

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**Hoogstad, Constant (Programme Manager)
Endangered Wildlife Trust**

Private Bag X11

Modderfontein 1645

Email: eia@ewt.org.za

Main 011-372-3600

Cell 082-334-4176

2020-09-10 06:13 PM

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2020-09-10 05:07 PM

Creator: EMAILUSER Type: Email

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**Jansen, Nicol (President)
Agri Northern Cape**

Main (053) 832-9595

Email: henning@agrink.co.za

2020-09-10 06:13 PM

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Please refer to the email saved in the Documents window.

**Khanye, Nondwe (Environmental Officer)
Eskom Holdings SOC Ltd**

Menlyn Office Block 4, Level 0
1 Gobie Street Newlands
Pretoria Gauteng 0180
Email: khanyen@eskom.co.za

Main (053) 830-5946
Cell (083) 969-0730

2020-09-10 06:13 PM

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--

An email has been sent to khanyen@eskom.co.za;"Nicolene Venter" <nicolene@savannahsa.com>

Please refer to the email saved in the Documents window.

Lategang, Gilbert (Municipal Manager)
ZF MgCawu District Municipality

Main (054) 337-2800
Fax (054) 337-2888

Email: thalita@zfm-dm.gov.za

2020-09-10 06:13 PM

Creator: Nicolene Venter Type: Email

Subject: SIRIUS SOLAR PV PROJECT 2: Notification of Availability of the Motivation Report

Body:

APPLICATION FOR AMENDMENT TO THE ENVIRONMENTAL AUTHORISATION:
PROPOSED SIRIUS SOLAR PV PROJECT TWO, NEAR UPINGTON, NORTHERN CAPE PROVINCE

(DEA REF: 14/12/16/3/3/2/481)

Dear Stakeholder and Interested & Affected Party,

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--

An email has been sent to thalita@zfm-dm.gov.za;"Nicolene Venter" <nicolene@savannahsa.com>

Please refer to the email saved in the Documents window.

**MacKay, Johnny (Municipal Manager)
Kai !Garib Local Municipality**

Kai Garib Local Municipality
Main Road
Keimoes 8870

Email: mackayj@kaigarib.gov.za
: j.mackay123456@gmail.com

Main (054) 461-6400
Fax (054) 461-6401
Cell (078) 802-8938

2020-09-10 06:13 PM**Creator: Nicolene Venter Type: Email**

Subject: SIRIUS SOLAR PV PROJECT 2: Notification of Availability of the Motivation Report

Body:

APPLICATION FOR AMENDMENT TO THE ENVIRONMENTAL AUTHORISATION:
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--

An email has been sent to mackayj@kaigarib.gov.za;"Nicolene Venter" <nicolene@savannahsa.com>

Please refer to the email saved in the Documents window.

**Makgalemele, Nozizwe (Deputy Director General:
Spatial Land Use and Management)
Department of Rural Development and Land
Reform**

Old Building 184 Jacob Mare Street

Pretoria 0001

Email: Nozizwe.Makgalemele@drdlr.gov.za

Main 012-312-8006/9834
Cell 012-312-9851
012-312-9851

2020-09-10 06:13 PM**Creator: Nicolene Venter Type: Email**

Subject: SIRIUS SOLAR PV PROJECT 2: Notification of Availability of the Motivation Report

Body:

APPLICATION FOR AMENDMENT TO THE ENVIRONMENTAL AUTHORISATION:
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--

An email has been sent to Nozizwe.Makgalemele@drdlr.gov.za;"Nicolene Venter" <nicolene@savannahsa.com>

Please refer to the email saved in the Documents window.

2020-09-10 05:06 PM

Creator: EMAILUSER Type: Email

Campaign 'Tronox Process Notification' activity 'Tronox Process Notification': email has been successfully sent to address 'Nozizwe.Makgalemele@drdlr.gov.za'.

**Mans, Jacoline (Chief Forester: NFA Regulation)
Department of Agriculture, Forestry and
Fisheries**

Department: Department of Agriculture, Forestry
and Fisheries

26 Olien Street
Louisvale Road
Upington Northern Cape 8801

**Main 0543385909
Fax 0543340030
Cell 0828082737
Cell 2 (060) 973-1660**

Email: jacolinema@daff.gov.za

2020-09-10 06:13 PM

Creator: Nicolene Venter Type: Email

Subject: SIRIUS SOLAR PV PROJECT 2: Notification of Availability of the Motivation Report

Body:

APPLICATION FOR AMENDMENT TO THE ENVIRONMENTAL AUTHORISATION:
PROPOSED SIRIUS SOLAR PV PROJECT TWO, NEAR UPINGTON, NORTHERN CAPE PROVINCE

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--

An email has been sent to jacolinema@daff.gov.za;"Nicolene Venter" <nicolene@savannahsa.com>

Please refer to the email saved in the Documents window.

2020-09-10 05:07 PM

Creator: EMAILUSER Type: Email

Campaign 'Tronox Process Notification' activity 'Tronox Process Notification': email has been successfully sent to address 'jacolinema@daff.gov.za'.

**Maphinda, Mthetheleli (Regional Energy Director)
Department of Mineral Resources and Energy**

Email: mthetheleli.maphinda@energy.gov.za

2020-09-10 06:13 PM

Creator: Nicolene Venter Type: Email

Subject: SIRIUS SOLAR PV PROJECT 2: Notification of Availability of the Motivation Report

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APPLICATION FOR AMENDMENT TO THE ENVIRONMENTAL AUTHORISATION:
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--

An email has been sent to mthetheleli.maphinda@energy.gov.za;"Nicolene Venter" <nicolene@savannahsa.com>

Please refer to the email saved in the Documents window.

Marubini, Mashudu (Delegate to the Minister)

Department of Agriculture, Forestry and Fisheries

Main (012) 319-7619
Cell (073) 195-7000

Email: mashuduma@daff.gov.za

2020-09-10 06:13 PM

Creator: Nicolene Venter Type: Email

Subject: SIRIUS SOLAR PV PROJECT 2: Notification of Availability of the Motivation Report

Body:

APPLICATION FOR AMENDMENT TO THE ENVIRONMENTAL AUTHORISATION:
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--

An email has been sent to mashuduma@daff.gov.za;"Nicolene Venter" <nicolene@savannahsa.com>

Please refer to the email saved in the Documents window.

2020-09-10 05:07 PM

Creator: EMAILUSER Type: Email

Campaign 'Tronox Process Notification' activity 'Tronox Process Notification': email has been successfully sent to address 'mashuduma@daff.gov.za'.

**Masilela, Simphiwe (Obstacle Evaluator)
Air Traffic and Navigation Services (ATNS)**

Private Bag X15

Kempton Park 1620

Email: simphiwem@atns.co.za

Main (011) 607-1228
Fax 0116071466

2020-09-10 06:13 PM

Creator: Nicolene Venter Type: Email

Subject: SIRIUS SOLAR PV PROJECT 2: Notification of Availability of the Motivation Report

Body:

APPLICATION FOR AMENDMENT TO THE ENVIRONMENTAL AUTHORISATION:
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--

An email has been sent to simphiwem@atns.co.za; "Nicolene Venter" <nicolene@savannahsa.com>

Please refer to the email saved in the Documents window.

Masipa, Pheladi (Acting Project Manager: Renewable Energy Initiatives)
Department of Energy

Division: Renewable Energy Initiatives

Main 012-406-7650
Fax 012-323-5819
Cell 0123235819

Email: Pheladi.Masipa@energy.gov.za

2020-09-10 06:13 PM

Creator: Nicolene Venter Type: Email

Subject: SIRIUS SOLAR PV PROJECT 2: Notification of Availability of the Motivation Report

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Please refer to the email saved in the Documents window.

2020-09-10 05:07 PM

Creator: EMAILUSER Type: Email

Campaign 'Tronox Process Notification' activity 'Tronox Process Notification': email has been successfully sent to address 'Pheladi.Masipa@energy.gov.za'.

**Moleko, Dineo (Assistant Director Impact Management)
Northern Cape Dept of Agriculture, Env Affairs,
Rural Dev & Land Reform**

Metlife Towers Building 4th Floor
c/o Market Square & Stead St
Kimberley 8301
Email: dmoleko@ncpg.gov.za

2020-09-10 06:13 PM

Creator: Nicolene Venter Type: Email

Subject: SIRIUS SOLAR PV PROJECT 2: Notification of Availability of the Motivation Report

Body:

APPLICATION FOR AMENDMENT TO THE ENVIRONMENTAL AUTHORISATION:
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--

An email has been sent to dmoleko@ncpg.gov.za;"Nicolene Venter" <nicolene@savannahsa.com>

Please refer to the email saved in the Documents window.

Motlhake, Serame (Manager)
Sentech Ltd

Department: Radio Frequency Network Planning

Main 011 471 4561
Fax 011 471 4754

Email: MotlhakeS@sentech.co.za

2020-09-10 06:13 PM

Creator: Nicolene Venter Type: Email

Subject: SIRIUS SOLAR PV PROJECT 2: Notification of Availability of the Motivation Report

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An email has been sent to MotlhakeS@sentech.co.za;"Nicolene Venter" <nicolene@savannahsa.com>

Please refer to the email saved in the Documents window.

2020-09-10 05:07 PM

Creator: EMAILUSER Type: Email

Campaign 'Tronox Process Notification' activity 'Tronox Process Notification': email has been successfully sent to address 'MotlhakeS@sentech.co.za'.

Ralston Paton, Samantha (Manager)
BirdLife South Africa

Department: Birds and Renewable Energy

Main 0117891122
Cell 0836733948

Email: energy@birdlife.org.za

2020-09-10 06:13 PM

Creator: Nicolene Venter Type: Email

Subject: SIRIUS SOLAR PV PROJECT 2: Notification of Availability of the Motivation Report

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--

An email has been sent to energy@birdlife.org.za;"Nicolene Venter" <nicolene@savannahsa.com>

Please refer to the email saved in the Documents window.

2020-09-10 05:07 PM**Creator: EMAILUSER Type: Email**

Campaign 'Tronox Process Notification' activity 'Tronox Process Notification': email has been successfully sent to address 'energy@birdlife.org.za'.

**Ratha, Timothy Andrew (Heritage Officer)
Ngwao-Boswa Ya Kapa Bokone (N Cape Prov
Heritage Resource Authority)**

Department: Northern Cape Provincial Heritage
Resources Authority

P.O. Box 1930

Kimberley 8301
South Africa

Email: ratha.timothy@gmail.com
Email 2: timothy@nbkb.org.za

Main (053) 831-2537
Fax (053) 833-1435
Cell (079) 036-9294
(053) 831-2537

2020-09-10 06:13 PM**Creator: Nicolene Venter Type: Email**

Subject: SIRIUS SOLAR PV PROJECT 2: Notification of Availability of the Motivation Report

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--

An email has been sent to ratha.timothy@gmail.com;"Nicolene Venter" <nicolene@savannahsa.com>

Please refer to the email saved in the Documents window.

Roelofse, Jaco (Director: Roads)
Northern Cape Department of Roads and
Public Works

9-11 Stockroos Street
Squarehill Park
Northern Cape 8300
Email: roelofse.j@vodamail.co.za

Main 0538392100
Fax 0538619683
Cell 0768116206

2020-09-10 06:13 PM

Creator: Nicolene Venter Type: Email

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--

An email has been sent to roelofse.j@vodamail.co.za;"Nicolene Venter" <nicolene@savannahsa.com>

Please refer to the email saved in the Documents window.

Sethole, Busang (Spectrum & Telecommunications Analyst)
South African Radio Astronomy Observatory (SARAO)

Main (011) 442-2434

Email: bsethole@ska.ac.za

2020-09-10 06:13 PM**Creator: Nicolene Venter Type: Email**

Subject: SIRIUS SOLAR PV PROJECT 2: Notification of Availability of the Motivation Report

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--

An email has been sent to bsethole@ska.ac.za;"Nicolene Venter" <nicolene@savannahsa.com>

Please refer to the email saved in the Documents window.

2020-09-10 05:07 PM**Creator: EMAILUSER Type: Email**

Campaign 'Tronox Process Notification' activity 'Tronox Process Notification': email has been successfully sent to address 'bsethole@ska.ac.za'.

Streuders, Kobus (Acting: Provincial Head)
Department of Water and Sanitation

Division: Northern Cape Province

Cell (084) 499-3734

Email: FranksL@dws.gov.za

2020-09-10 06:13 PM**Creator: Nicolene Venter Type: Email**

Subject: SIRIUS SOLAR PV PROJECT 2: Notification of Availability of the Motivation Report

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(DEA REF: 14/12/16/3/3/2/481)

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Sirius Solar PV Project Two RF (Pty) Ltd received an Environmental Authorisation (EA) on 9 July 2014 (DEA Ref. No. 14/12/16/3/3/2/481) for the development of a solar PV facility (including associated infrastructure) with a contracted capacity of up to 75MW on the Remaining Extent of the Farm Tungsten Lodge 638 near Upington within the Kai !Garib Local Municipality and the ZF Mgcawu District Municipality in the Northern Cape Province. The project is located within the Upington Renewable Energy Development Zone (REDZ 7).

Following the issuance of the EA, the project was granted amended EAs on 23 May 2017 (DEA Ref. No. 14/12/16/3/3/2/481/AM1) and 11 July 2017 (DEA Ref. No. 14/12/16/3/3/2/481/AM2).

The attached letter provides information regarding the application and informing you of the availability of the Motivation Report for your review and comment which is available from Friday, 11 September 2020 until Monday, 12 October 2020.

--

An email has been sent to FranksL@dws.gov.za;"Nicolene Venter" <nicolene@savannahsa.com>

Please refer to the email saved in the Documents window.

Stroh, Lizell (Obstacle Specialist)
South African Civilian Aviation Authority

Main (011) 545-1232
Fax (011) 545-1451
Cell 083-461-6660

Email: strohl@caa.co.za

2020-09-10 06:13 PM

Creator: Nicolene Venter Type: Email

Subject: SIRIUS SOLAR PV PROJECT 2: Notification of Availability of the Motivation Report

Body:

APPLICATION FOR AMENDMENT TO THE ENVIRONMENTAL AUTHORISATION:
PROPOSED SIRIUS SOLAR PV PROJECT TWO, NEAR UPINGTON, NORTHERN CAPE PROVINCE

(DEA REF: 14/12/16/3/3/2/481)

Dear Stakeholder and Interested & Affected Party,

Sirius Solar PV Project Two RF (Pty) Ltd received an Environmental Authorisation (EA) on 9 July 2014 (DEA Ref. No. 14/12/16/3/3/2/481) for the development of a solar PV facility (including associated infrastructure) with a contracted capacity of up to 75MW on the Remaining Extent of the Farm Tungsten Lodge 638 near Upington within the Kai !Garib Local Municipality and the ZF Mgcawu District Municipality in the Northern Cape Province. The project is located within the Upington Renewable Energy Development Zone (REDZ 7).

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--

An email has been sent to strohl@caa.co.za;"Nicolene Venter" <nicolene@savannahsa.com>

Please refer to the email saved in the Documents window.

**Swart, Elsabe
Northern Cape Department of Environment &
Nature Conservation**

Metlife Towers Building 4th Floor
c/o Market Square & Stead St
Kimberley 8301
Email: elsabe.dtec@gmail.com

Main 054-338-4800

2020-09-10 06:13 PM

Creator: Nicolene Venter Type: Email

Subject: SIRIUS SOLAR PV PROJECT 2: Notification of Availability of the Motivation Report

Body:

APPLICATION FOR AMENDMENT TO THE ENVIRONMENTAL AUTHORISATION:
PROPOSED SIRIUS SOLAR PV PROJECT TWO, NEAR UPINGTON, NORTHERN CAPE PROVINCE

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--

An email has been sent to elsabe.dtec@gmail.com;"Nicolene Venter" <nicolene@savannahsa.com>

Please refer to the email saved in the Documents window.

2020-09-10 05:07 PM

Creator: EMAILUSER Type: Email

Campaign 'Tronox Process Notification' activity 'Tronox Process Notification': email has been successfully sent to address 'elsabe.dtec@gmail.com'.

**Timothy, Ratha Andrew (Heritage Officer)
Ngwao-Boswa Ya Kapa Bokone (NCPHRA)**

Main 0538312537
Fax 0538331435
Cell 0790369294

Email: ratha.timothy@gmail.com

2020-09-10 06:13 PM

Creator: Nicolene Venter Type: Email

Subject: SIRIUS SOLAR PV PROJECT 2: Notification of Availability of the Motivation Report

Body:

APPLICATION FOR AMENDMENT TO THE ENVIRONMENTAL AUTHORISATION:
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The attached letter provides information regarding the application and informing you of the availability of the Motivation Report for your review and comment which is available from Friday, 11 September 2020 until Monday, 12 October 2020.

--

An email has been sent to ratha.timothy@gmail.com;"Nicolene Venter" <nicolene@savannahsa.com>

Please refer to the email saved in the Documents window.

2020-09-10 05:07 PM

Creator: EMAILUSER Type: Email

Campaign 'Tronox Process Notification' activity 'Tronox Process Notification': email has been successfully sent to address 'ratha.timothy@gmail.com'.

**Tiplady, Adrian (South African SKA Site Bid Manager)
South African Radio Astronomy Observatory
(SARAO)**

Department: Site Categorisation

Main 011-442-2434
Cell 072-372-0134

Email: atiplady@ska.ac.za

2020-09-10 06:13 PM

Creator: Nicolene Venter Type: Email

Subject: SIRIUS SOLAR PV PROJECT 2: Notification of Availability of the Motivation Report

Body:

APPLICATION FOR AMENDMENT TO THE ENVIRONMENTAL AUTHORISATION:
PROPOSED SIRIUS SOLAR PV PROJECT TWO, NEAR UPINGTON, NORTHERN CAPE PROVINCE

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--

An email has been sent to atiplady@ska.ac.za;"Nicole Venter" <nicolene@savannahsa.com>

Please refer to the email saved in the Documents window.

2020-09-10 05:07 PM

Creator: EMAILUSER Type: Email

Campaign 'Tronox Process Notification' activity 'Tronox Process Notification': email has been successfully sent to address 'atiplady@ska.ac.za'.

Tshitwamulomoni, Stanley (Acting Director)
Department of Environmental Affairs

Department: Biodiversity Conservation

Main 012-399-9411

Email: StanleyT@environment.gov.za

2020-09-10 06:13 PM

Creator: Nicolene Venter Type: Email

Subject: SIRIUS SOLAR PV PROJECT 2: Notification of Availability of the Motivation Report

Body:

APPLICATION FOR AMENDMENT TO THE ENVIRONMENTAL AUTHORISATION:
PROPOSED SIRIUS SOLAR PV PROJECT TWO, NEAR UPINGTON, NORTHERN CAPE PROVINCE

(DEA REF: 14/12/16/3/3/2/481)

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The attached letter provides information regarding the application and informing you of the availability of the Motivation Report for your review and comment which is available from Friday, 11 September 2020 until Monday, 12 October 2020.

--

An email has been sent to StanleyT@environment.gov.za;"Nicolene Venter" <nicolene@savannahsa.com>

Please refer to the email saved in the Documents window.

2020-09-10 05:07 PM

Creator: EMAILUSER Type: Email

Campaign 'Tronox Process Notification' activity 'Tronox Process Notification': email has been successfully sent to address 'StanleyT@environment.gov.za'.

Ronald Baloyi

From: Savannah Public Process
Sent: Tuesday, 15 September 2020 04:31
To: John Geeringh
Subject: RE: SIRIUS SOLAR PV PROJECT 2: Notification of Availability of the Motivation Report

Dear John,

Thank you for the confirmation and as a registered I&AP you will kept inform regarding this application.

Kind regards,

From: John Geeringh <GeerinJH@eskom.co.za>
Sent: Friday, September 11, 2020 8:34 AM
To: Savannah Public Process <publicprocess@savannahsa.com>
Subject: RE: SIRIUS SOLAR PV PROJECT 2: Notification of Availability of the Motivation Report

Please keep me informed regarding the progress of this application. I have no further comment on this application at the present moment.

Kind regards

John Geeringh (Pr Sci Nat)(EAPASA)
Senior Consultant Environmental Management
Land and Rights
Eskom Transmission Division
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

From: Public Process [<mailto:publicprocess@savannahsa.com>]
Sent: 10 September 2020 06:16 PM
To: John Geeringh
Cc: Nicolene Venter
Subject: SIRIUS SOLAR PV PROJECT 2: Notification of Availability of the Motivation Report

**APPLICATION FOR AMENDMENT TO THE ENVIRONMENTAL AUTHORISATION:
PROPOSED SIRIUS SOLAR PV PROJECT TWO, NEAR UPINGTON, NORTHERN CAPE PROVINCE**

(DEA REF: 14/12/16/3/3/2/481)

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The attached letter provides information regarding the application and informing you of the availability of the Motivation Report for your review and comment which is available from **Friday, 11 September 2020** until **Monday, 12 October 2020**.



t: 011 656 3237
f: 086 684 0547

Nicolene Venter
Public Process

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

[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

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PROOF OF UPLOAD ONTO SAHRIS
Motivation Report, Appendices & HIA Report

SAHRIS

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✔ Heritage Cases *Sirius Solar PV Project Two* has been updated.

Heritage Cases

VIEW
EDIT

Sirius Solar PV Project Two

[Add new comment](#) [Subscribe to: This post](#) 29 reads

CaseHeader
LocationInfo
Admin

Status: SUBMITTED

HeritageAuthority(s): SAHRA
NBKB

Case Type: Section 38 (8) - Statutory Comment Required

Development Type: Solar

ProposalDescription:
 To include the construction and operation of a Battery Energy Storage System (BESS) for the authorised Sirius Solar PV Project Two, with a contracted capacity of up to 4.5MWh into the project description of the Environmental Authorisation (EA), as well as an increase in the contracted capacity of Sirius Solar PV Project two by 75MW within the authorised development footprint. The BESS will have a footprint of approximately 6.5ha and will be developed within the authorised footprint of Sirius Solar PV Project Two in close proximity to the substation. The BESS will connect to the authorised on-site facility substation of Sirius Solar PV Project Two via underground cables.

ApplicationDate: Friday, September 11, 2020 - 10:44

CaseID: 15501

Applicants: Savannah Environmental (Pty) Ltd

Consultants/Experts: Lisa Opperman

OtherReferences:

| Dept | CaseReference | DueDate | FinalDecision |
|------|--------------------|------------|---------------|
| DEA | 14/12/16/3/3/2/481 | 12/10/2020 | |

Heritage Reports: Sirius Solar PV Project Two

ReferenceList:

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AdditionalDocuments

1. 01.Motivation Report.pdf
2. 02.Appendix A - Ecology Specialist Letter.pdf
3. 03.Appendix B - Aquatic Specialist Letter.pdf
4. 04.Appendix C - Soils & Agricultural Potential Specialist Letter.pdf
5. 05.Appendix D - Heritage Specialist Letter.pdf
6. 06.Appendix E - Palaeontology Specialist Letter.pdf
7. 07.Appendix F - Visual Specialist Letter.pdf
8. 08.Appendix G - Social Specialist Letter.pdf
9. 09.Appendix G(a) - Social Specialist Letter Peer Review.pdf
10. 10.Appendix H1 - I&AP Database - DEA.pdf
11. 10.Appendix H1 - I&AP Database.pdf
12. 11.Appendix H2 - Consultation with I&APs.pdf
13. 12.Appendix H3 - Consultation with Organs of State.pdf
14. 13.Appendix H4 - Advertisements and Site Notices.pdf
15. 14.Appendix H5 - Comments and Responses Report.pdf
16. 15.Appendix H6 - Comments Received.pdf
17. 16.Appendix H7 - Public Participation Plan.pdf
18. 17.Appendix I - A3 Maps.pdf
19. 18. Appendix J - Environmental Team CVs.pdf
20. 19.Appendix K - EAP Affirmation & Specialist Declaration.PDF

Savannah Environmental
Website Uploads

Sirius Solar PV Project Two

Sirius Solar PV Project Two

Project Name: Sirius Solar PV Project Two Part 2 Amendment, Northern Cape Province.

Applicant: Sirius Solar PV Project Two RF (Pty) Ltd

Proposed Amendments: To include the construction and operation of a Battery Energy Storage System (BESS) for the authorised Sirius Solar PV Project Two, with a contracted capacity of up to 4.5MWh into the project description of the Environmental Authorisation (EA), as well as an increase in the contracted capacity of Sirius Solar PV Project Two by 75MW within the authorised development footprint. The BESS will have a footprint of approximately 6.5ha and will be developed within the authorised footprint of Sirius Solar PV Project Two in close proximity to the substation. The BESS will connect to the authorised on-site facility substation of Sirius Solar PV Project Two via underground cables.

Taking the above into consideration, Sirius Solar PV Project Two RF (Pty) Ltd is requesting the Department of Environment, Forestry and Fisheries to amend the project description of the EA (dated 9 July 2014) as follows:

| | |
|-------------------------------|--|
| Export Capacity | 150MW |
| Battery Energy Storage System | <p>Consisting of the following components:</p> <ul style="list-style-type: none"> - Lithium-ion, Lithium Iron Phosphate, Sodium Sulphur and Vanadium Redox batteries inside containers with a maximum height of 2.8m; and - Multi-core, 33kV underground cables to connect the battery storage area to the on-site facility substation of the solar PV facility. |

Project Location: ~21km south-west of Upington, within the Kal !Garib Local Municipality and the ZF Mgcawu District Municipality in the Northern Cape Province on the Remaining Extent of the Farm Tungsten Lodge 638. The project falls within the Upington Renewable Energy Development Zone (REDZ 7).

In terms of Condition 5 of the Environmental Authorisation dated 9 July 2014 and Regulation 31 of the EIA Regulations of December 2014, as amended, it is possible for an Applicant to apply, in writing, to the competent authority for a change or deviation from the project description to be approved.

In terms of Regulation 32 of the Environmental Impact Assessment Regulations of 2014, as amended, opportunity is being provided to the public to submit comments on the proposed amendments. Interested and Affected Parties can request further information via email or telephone correspondence from the contact person below. Comments can be submitted in writing via post or email to the contact person below:

Nicolene Venter
 PO Box 148, Sunninghill, 2157

 Phone: 011 656 3237
 Mobile: 060 978 8396
 Fax: 086 680 0547
 E-mail: publicprocess@savannahsa.com
 Website: <https://www.savannahsa.com/>

September 2020

Documents for public review are available for download.

[VIEW DOWNLOADS PAGE](#)

Downloads

Sirius Solar PV Project Two

[Motivation Report](#)

[Appendix A - Ecology Specialist Letter](#)

[Appendix B - Aquatic Specialist Letter](#)

[Appendix C - Soils & Agricultural Potential Specialist Letter](#)

[Appendix D - Heritage Specialist Letter](#)

[Appendix E - Palaeontology Specialist Letter](#)

[Appendix F - Visual Specialist Letter](#)

[Appendix G - Social Specialist Letter](#)

[Appendix G - Social Specialist Letter](#)

[Appendix G\(a\) - Social Specialist Letter Peer Review](#)

[Appendix H1 - I&AP Database](#)

[Appendix H2 - Consultation with I&APs](#)

[Appendix H3 - Consultation with Organs of State](#)

[Appendix H4 - Advertisements and Site Notices](#)

[Appendix H5 - Comments and Responses Report](#)

[Appendix H6 - Comments Received](#)

[Appendix H7 - Public Participation Plan](#)

[Appendix I - A3 Maps](#)

[Appendix J - Environmental Team CVs](#)

[Appendix K - EAP Affirmation & Specialist Declaration](#)

Revised Motivation Report

19 October 2020

Dear Stakeholder and Interested & Affected Party,

**APPLICATION FOR AMENDMENT TO THE ENVIRONMENTAL AUTHORISATION:
PROPOSED SIRIUS SOLAR PV PROJECT TWO, NEAR UPINGTON, NORTHERN CAPE PROVINCE
(DEA REF: 14/12/16/3/3/2/481)**

NOTIFICATION OF AVAILABILITY OF THE REVISED MOTIVATION REPORT FOR REVIEW AND COMMENT

Sirius Solar PV Project Two RF (Pty) Ltd received an Environmental Authorisation (EA) on 9 July 2014 (DEA Ref. No. 14/12/16/3/3/2/481) for the development of a solar PV facility (including associated infrastructure) with a contracted capacity of up to 75MW on the Remaining Extent of the Farm Tungsten Lodge 638 near Upington within the Kai !Garib Local Municipality and the ZF Mgcawu District Municipality in the Northern Cape Province. The project is located within the Upington Renewable Energy Development Zone (REDZ 7).

Following the issuance of the EA, the project was granted amended EAs on 23 May 2017 (DEA Ref. No. 14/12/16/3/3/2/481/AM1) and 11 July 2017 (DEA Ref. No. 14/12/16/3/3/2/481/AM2).

The project is intended to be bid into the Risk Mitigation Independent Power Producer (IPP) Programme of the Department of Mineral Resources and Energy which requires a generation capacity of 2 000MW. There has been advancements to photovoltaic (PV) panel technology since the issuing of the EA, and the type of PV panels considered at the time of the issuing of the EA are therefore considered not to be the most suitable in terms of production and economic considerations. It is for this reason that the Applicant has submitted an Application to the Department of Environment, Forestry and Fisheries for a Part 2 Amendment Process to consider an increase in the capacity of the authorised Sirius Solar PV Project Two by 75MW to ensure adequate electricity supply, as well the construction and operation of a Battery Energy Storage System (BESS) for the solar PV facility.

The BESS will have a contracted capacity of up to 4.5GWh and will be located within a development area within an extent of up to 18ha within the authorised development footprint of the solar PV facility. The BESS will have a footprint of 6.5ha and will be adjacent to the authorised on-site facility substation of the solar PV facility.

Taking the above into consideration, Sirius Solar PV Project Two RF (Pty) Ltd is requesting the Department of Environment, Forestry and Fisheries (DEFF) to amend the project description of the EA (dated 9 July 2014) as follows:

| | |
|-------------------------------|---|
| Export Capacity | 150MW |
| Battery Energy Storage System | <p>Consisting of the following components:</p> <ul style="list-style-type: none"> - Lithium-ion, Lithium Iron Phosphate, Sodium Sulphur or Vanadium Redox batteries inside containers with a maximum height of 2.8m; and - Multi-core, 33kV underground cables to connect the battery storage area to the on-site facility substation of the solar PV facility. |

In terms of Condition 5 of the Environmental Authorisation dated 9 July 2014 and Regulation 31 of the EIA Regulations, 2014, as amended, it is possible for an applicant to apply, in writing, to the competent authority for a change or deviation from the project description to be approved.

In order to verify the potential for a change in the impacts on ecology, water resources, soil and agricultural potential, heritage and palaeontology, visual and social aspects, specialist input into the amendment motivation report has been included.

Savannah Environmental has prepared a Revised Motivation Report in support of this Amendment Application on behalf of Sirius Solar PV Project Two RF (Pty) Ltd. The Revised Motivation Report, including the updated Environmental Management Programme, is available for a 30-day review and comment period from **Tuesday, 20 October 2020** to **Friday, 20 November 2020** and can be downloaded from Savannah Environmental's website (<https://www.savannahsa.com/public-documents/energy-generation/sirius-solar-pv-project-two/>). The due date for written comment is **Friday, 20 November 2020**.

All comments received on the Revised Motivation Report will be included in the final Motivation Report which will be submitted to the DEFF for review and decision-making.

Our team welcomes your participation and looks forward to your involvement throughout this process. We also welcome you to share this information with any other parties that you feel will have interest in the project and should be part of this process (such as occupiers of directly affected or surrounding properties, interest groups, community groups etc.).

Kind regards,



Nicolene Venter

Public Participation and Social Consultant

E-mail: publicprocess@savannahsa.com

Proof of email - SIRIUS SOLAR PV2 PROJECR 2: Notification of the availability of the Revised Motivation Report for review and comment

SIRIUS SOLAR PV2 PROJECR 2: Notification of the availability of the Revised Motivation Report for review and comment

RB Ronald Baloyi
To: Ronald Baloyi; Nicolese Venter
Bcc: [Redacted]
Mon 2020/10/19 13:14

SE2840 Sirius PV2 Revised MR Notification-FINAL.pdf
135 KB

SIRIUS SOLAR PV2 PROJECR 2: Notification of the availability of the Revised Motivation Report for review and comment

RB Ronald Baloyi
To: Ronald Baloyi; Nicolese Venter
Bcc: [Redacted]
Mon 2020/10/19 13:14

SE2840 Sirius PV2 Revised MR Notification-FINAL.pdf
135 KB

SIRIUS SOLAR PV2 PROJECR 2: Notification of the availability of the Revised Motivation Report for review and comment

RB Ronald Baloyi
To: Ronald Baloyi; Nicolese Venter
Bcc: [Redacted]
Mon 2020/10/19 13:14

SE2840 Sirius PV2 Revised MR Notification-FINAL.pdf
135 KB

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Kind Regards,

savannah environmental
Ronald Baloyi
Public Participation Co-ordinator and Administrator
+27 (0)11 456 3227
+27 (0)18 454 0247
ronald@savannaha.com
+27 (0)18 978 3394

SABWA Award for Leading Environmental Consultant on Wind Projects in 2013 & 2016