## APPENDIX H3: CONSULTATION ORGANS OF STATE



Savannah Environmental (Pty) Ltd | Directors: KM Jodas, J Thomas, M Matsabu Company Reg No.: 2006/000127/07 VAT Reg No.: 4780226736

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	Consisting of the following components: - 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 (<u>https://www.savannahsa.com/public-documents/energy-generation/sirius-solar-pv-project-two/</u>). The due date for written comment is **Monday**, **12 October 2020**.

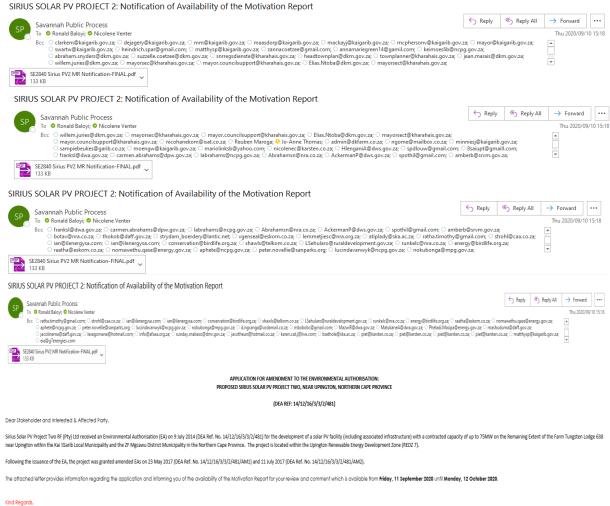
All comments received will be included in the final Motivation Report which will be submitted to the DEFF for review and decision-making.

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)





# <u>Availability of Motivation Report for review</u> <u>and comment</u>



Savannah Environmental (Pty) Ltd | Directors: KM Jodas, J Thomas, M Matsabu Company Reg No.: 2006/000127/07 VAT Reg No.: 4780226736

10 September 2019

Dear Stakeholder,

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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/). 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.

Kind regards,

**Nicolene Venter** Public Participation and Social Consultant E-mail: <u>publicprocess@savannahsa.com</u> Print

Note Report

## **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.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 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 Main (021) 957-4602 Fax (021) 910-1699 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

Body:

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

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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

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 cloetes@dws.gov.za;"Nicolene Venter" <nicolene@savannahsa.com>

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

#### 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 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

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 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:

APPLICATION FOR AMENDMENT TO THE ENVIRONMENTAL AUTHORISATION:

https://crm1.maxcloudcrm.com/Savannah/Dialogs/Notes/NoteReportPrint.aspx?showStat=False&richtext=False&printMode=0&module=0

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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

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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Please refer to the email saved in the Documents window.

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

Private Bag X11

Modderfontein 1645 Email: eia@ewt.org.za

#### 2020-09-10 06:13 PM

#### Creator: Nicolene Venter Type: Email

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#### 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 'eia@ewt.org.za'.

## Jansen, Nicol (President) Agri Northern Cape

Main 011-372-3600 Cell 082-334-4176 Email: henning@agrink.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

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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

#### 2020-09-10 06:13 PM

#### Creator: Nicolene Venter Type: Email

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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

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Body:

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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, Johny (Municipal Manager) Kai !Garib Local Municipality

Kai Garib Local Municipality Main Road Keimoes 8870 Email: mackayj@kaigarib.gov.za : j.mackay123456@gmail.com

#### 2020-09-10 06:13 PM

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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).

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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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 Building184 Jacob Mare Street

Pretoria 0001 Email: Nozizwe.Makgalemele@drdlr.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 Main (054) 461-6400 Fax (054) 461-6401 Cell (078) 802-8938

Main 012-312-8006/9834 Cell 012-312-9851 012-312-9851 (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 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'.

Department:

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

26 Olien Street Louisvale Road Upington Northern Cape 8801

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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https://crm1.maxcloudcrm.com/Savannah/Dialogs/Notes/NoteReportPrint.aspx?showStat=False&richtext=False&printMode=0&module=0

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

Department of Agriculture, Forestry

and Fisheries

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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

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

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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

#### 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:

Main (011) 607-1228 Fax 0116071466

#### 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 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

Main012-406-7650Fax012-323-5819Cell0123235819

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

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 Pheladi.Masipa@energy.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 '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: PROPOSED SIRIUS SOLAR PV PROJECT TWO, NEAR UPINGTON, NORTHERN CAPE PROVINCE

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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

Note Report

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

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 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

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 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)

P.O. Box 1930

Kimberley 8301 South Africa Email: ratha.timothy@gmail.com Email 2: timothy@nbkb.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

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

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https://crm1.maxcloudcrm.com/Savannah/Dialogs/Notes/NoteReportPrint.aspx?showStat=False&richtext=False&printMode=0&module=0

Department: Northern Cape Provincial Heritage Resources Authority

 Main
 (053) 831-2537

 Fax
 (053) 833-1435

 Cell
 (079) 036-9294

 (053) 831-2537

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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---

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 Main0538392100Fax0538619683Cell0768116206

#### 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 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)

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

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

Body:

APPLICATION FOR AMENDMENT TO THE ENVIRONMENTAL AUTHORISATION:

Main (011) 442-2434

Division: Northern Cape Province

Cell (084) 499-3734

#### 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 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) 545-1232Fax(011) 545-1451Cell083-461-6660

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

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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, Eslabe 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

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).

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.

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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 054-338-4800

Main0538312537Fax0538331435Cell0790369294

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

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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.

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

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An email has been sent to atiplady@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 '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

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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
То:	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

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

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# SAHRIS <u>Website Uploads</u>

#### **PROOF OF UPLOAD ONTO SAHRIS**

## **Motivation Report, Appendices & HIA Report**

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	ProposalDescription:			
	To include the construction and operation of a E	Battery Energy Storage System (B	ESS) for the authorised Sirius Solar PV	
	Project Two, with a contracted capacity of up to (EA), as well as an increase in the contracted of			
	development footprint. The BESS will have a fo			
	footprint of Sirius Solar PV Project Two in close		BESS will connect to the authorised on-site	
	facility substation of Sirius Solar PV Project Two ApplicationDate: Friday, September 11, 2020 -	-		
	CaseID: 15501			
	Applicants: Savannah Environmental (Pty) Ltd Consultants/Experts: Lisa Opperman			
	consumation coperts. Lisa opperman			
	OtherReferences:			
	Dept CaseReference	DueDate	FinalDecision	
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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 Sinus 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 Sinus 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 Sinus Solar PV Project Two in close proximity to the substation. The BESS will connect to the authorised on-site facility substation of Sinus 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	Consisting of the following components: – Lithium-ion, Lithium Iron Phosphate, Sodium Sulphur and Vanadium Redox batteries inside containers with a maximum height of 2.8m; and
	<ul> <li>Multi-core, 33kV underground cables to connect the battery storage area to the on-site facility substation of the solar PV facility.</li> </ul>

Project Location: -21km south-west of Upington, within the Kai IGarib 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 fails 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 ElA 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

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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** 



Savannah Environmental (Pty) Ltd | Directors: KM Jodas, J Thomas, M Matsabu Company Reg No.: 2006/000127/07 VAT Reg No.: 4780226736

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 <u>REVISED</u> 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	Consisting of the following components: - 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 <u>Revised</u> Motivation Report in support of this Amendment Application on behalf of Sirius Solar PV Project Two RF (Pty) Ltd. The <u>Revised</u> Motivation Report, <u>including the updated Environmental Management Programme</u>, 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 (<u>https://www.savannahsa.com/publicdocuments/energy-generation/sirius-solar-pv-project-two/</u>). The due date for written comment is **Friday**, **20 November 2020**.

All comments received on the <u>Revised</u> 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: <u>publicprocess@savannahsa.com</u>

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

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## 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:

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Project Location: -21km south-west of Upington, within the Kai IGarib 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 fails within the Upington Renewable Energy Development Zone (REDZ 7).

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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.

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Sirius Solar PV Project Two

**Revised Motivation Report** 

Appendix A - Ecology Specialist Letter

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Appendix F - Visual Specialist Letter

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Appendix H1 - I&AP Database

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Appendix H4 - Advertisements and Site Notices

Appendix H5 - Comments and Responses Report

Appendix H6 - Comments Received

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## Proof of email - SIRIUS PV PROJECT 2: Notifications of Availability of the Motivation Report

RE: SIRIUS SOLAR PV PROJECT 2: Notification of Availability of the Motivation Report				
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To Ronald Baloy; Nicolene Venter			Wed 2020	/10/07 17:
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APPLICATION FOR AMENDMENT TO THE ENVIRONMENTAL AUTHORISATION: PROPOSED SIRUIS SQUAR PV PROJECT TWO, NEAR UPINGTON, NORTHEIN CARE PROVINCE				
[DEA.REF: 14/12/16/1//7/483]				
ear Stakeholder and Interested and Affected Party,				
rith reference to the attached notification letter sent on Thursday, 10 September 2020 which was attached to the e-mail notification below, this e-mail serves to inform you that the comment period for the Motivation is ending on Monday, 12 October 2020. e Motivation Report was from Friday, 11 September 2020 until Monday, 12 October 2020.	As you may re	call, the review a	ind comment	period fo
ank you to those stakeholders and Interested and Affected Parties who submitted their written comments on the Motivation Report, and those who had not yet submitted written comments, we kindly request that you do so before or on Monday, 12 Octobe	er 2020.			
nd regards,				
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APPLICATION FOR AMENDMENT TO THE ENVIRONMENTAL AUTHORISATION: PROPOSID SIRULS SOLAR PV PROJECT TWO, NEAR UPINGTON, NORTHEIN CARE PROVINCE				
(DEA REF: 14/12/16/3/3/2/481)				

Dear Stakeholder and Interested & Affected Party,

Strius Solar PV Project Two RF (Pty) Ltd received an Environmental Authorisation (EA) on 9 July 2014 (DEA Mef. No. 14/12/16/3/2/48) 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 (Sanb Local Municipality and the 27 Mgcawa 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).