

# **IMPACT PHASE**

# ORGANS OF STATE

DEPARTMENT OF AGRICULTURE FORESTRY AND  
FISHERIES



## agriculture, forestry & fisheries

Department:  
Agriculture, Forestry and Fisheries  
REPUBLIC OF SOUTH AFRICA

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Directorate: Forestry Management (Other Regions)  
P.O. Box 2782, Uptington, 8800, Tel 054 338 5909, Fax 054 334 0030

**Enquiries:** J Mans  
**E-mail:** [JacolineMa@daff.gov.za](mailto:JacolineMa@daff.gov.za)  
**Date:** 26 March 2019  
**Ref:** 40.8.14.2/NC/129/1

**Savannah Environmental (Pty) Ltd**  
**First Floor, Block 2**  
**5 Woodlands Drive Office Park**  
**Cnr Woodlands Drive & Western Service Road**  
**Woodmead**  
**2191**

**ATTENTION: Mr. Shaun Taylor (Shaun@savannahsa.com)**

**RE: SITE MEETING - PROPOSED HYPERION SOLAR 1, 2, 3 AND 4 AND ASSOCIATED INFRASTRUCTURE, REMAINING EXTENT OF FARM LYNDOCH 432, KATHU, NORTHERN CAPE PROVINCE**

Thank you very much for allowing officials of the Department of Agriculture, Forestry and Fisheries (DAFF) and the provincial Department of Environment and Nature Conservation (DENC) to do a site inspection at the Remaining Extent of Farm *Lyndoch* 432 near Kathu on 26 February 2019, for the proposed Hyperion Solar 1, 2, 3 and 4 projects. Your request for feedback refers.

1. The proposed four (4) 75 MW PV facilities planned on the Remaining Extent of Farm *Lyndoch* 432, 16 km north of Kathu, refers. The proposed development may have significant impacts on *Vachellia erioloba* and *Vachellia haematoxylon*. As mentioned before, the Department will assess cumulative impacts of the four proposed developments, even if constructed by different companies and / or at different time intervals (if authorised), because it is located on one property.
2. The proposed development(s), if authorised, would have significant impacts on protected trees. The ecologist, Mr. Simon Todd found that the portion of the property located to the east of Vlermuisleegte, is too sensitive for development due to the large numbers of mature Camel thorn trees. This area was marked as a no-go area for development (see figure 1). The DAFF agrees with his recommendation.

3. The portion of the property to the west of Vlermuisleegte, was found to be more suitable for development of the four solar energy facilities next to each other, each with a development footprint of 200 ha to 250 ha.
4. Mr. Todd's survey revealed that  $\pm 4\ 000$  Camel thorn trees will be destroyed per PV facility, thus about 16 000 in total for the four facilities. In addition, approximately 42 000 Grey Camel thorn trees will be destroyed per facility, thus in total about 168 000 Grey Camel thorns.

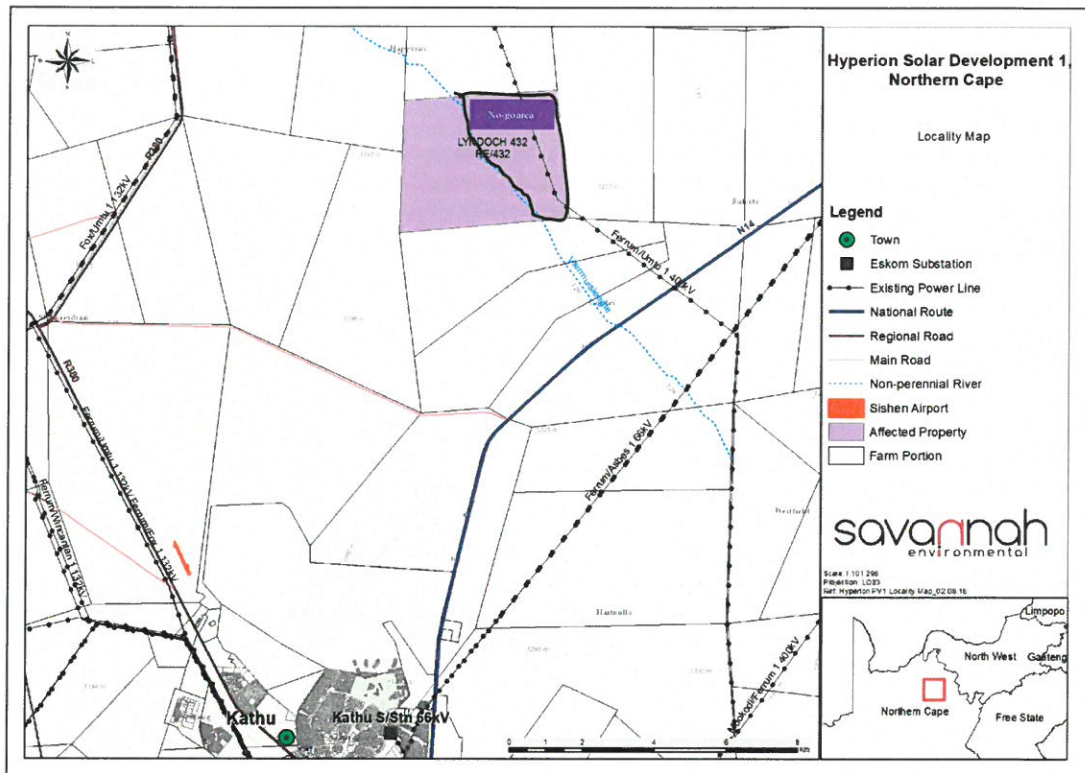


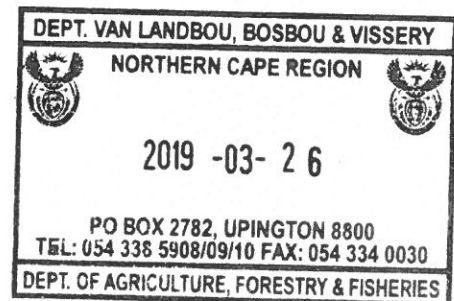
Fig. 1: The property earmarked for development of Hyperion Solar 1, 2, 3 and 4, Kathu.

5. Hyperion Solar 1 is planned on the area affected by a veldfire in 2010. The veld is recovering, but many of the trees found in this area are smaller Camel thorn trees and coppicing Grey Camel thorns. The Department is of the opinion that Hyperion Solar 1 can be constructed on the burnt area, without the need for an offset.
6. The Department can possibly also permit construction of Hyperion Solar 2 without an offset, although it may be subjected to offsite mitigation conditions such as greening. Normally a ratio of 3:1 is used; for every protected tree destroyed three (3) seedlings must be planted.
7. Hyperion Solar 3 and 4 is likely to trigger offsets under the NFA due to the cumulative quantities of protected trees involved.

8. The DAFF Scientific Services recommends that an offset specialist be appointed, to make recommendations. It is difficult to say upfront exactly what the nature of the offset must be and what it will cost. Getting an offset in place is a process of negotiation between the developer and the regulating authorities. It is also a very time consuming process. If an offset specialist is not appointed, then the off-set guidance in appendix 1 should be followed.
9. Ideally, an offset should be in the form of land set aside for conservation and formally declared as a Protected Area or Nature Reserve under the relevant applicable legislation. Provision must also be made for the long-term management of the offset area.
10. Preference would be given to expansion of existing land offsets / nature reserves / conservation areas i.e. Kathu Forest Protected Woodland and Kathu Forest Nature Reserve. If that is not feasible, an alternative might be to try and expand the existing Brooks and Bredenkamp offset areas / Nature Reserve in the vicinity of Kathu.

Kind Regards,

  
Julius Kgomanyane  
Deputy Director: Forestry Management (Other Regions)  
DATE: 26/03/2019





## APPENDIX 1

The planned solar development falls within the Kathu Bushveld veld type. This veld type is under-protected; currently less than 3 % of the veld type is protected in formally declared protected areas, while the protected area target is 16%. This shortfall in the protected area target is significant, also given the rapid rate at which the vegetation type is transformed. Currently more than 25% of the veld type is already transformed or affected by intensive land use such as urban areas, mines, solar farms and infrastructure.

The vegetation types affected by the proposed development can be subdivided into three vegetation subtypes identified in a recent study of the Kathu Bushveld type by Prof Gretel van Rooyen and Dr Noel van Rooyen. These are:

- *Acacia (Vachellia) haematoxylon – Pogonarthria squarrosa – Tarchonanthus camphoratus* Bushveld
- *Eragrostis pallens – Plinthus sericeus – Schmidtia pappphoroides – Acacia (Vachellia) erioloba* Woodland
- *Melolobium macrocalyx – Acacia (Vachellia) haematoxylon – Centropodia glauca* Bushveld

There is not much variation in the relative diversity of sensitivity of these veld subtypes, except that the second subtype listed is relatively rare. Most of the sensitive areas in the phase 1 development have been identified as no-go areas, thus reducing the need for a biodiversity off-set in the phase 1 and 2 development phases. The need for a biodiversity offset kicking in with phases 3 and 4 is based on the accumulative numbers of trees affected, and the increase in the veld type area transformed.

Mature trees, especially Camel thorn (*Vachellia erioloba*), and to a lesser extent also *Vachellia haematoxylon*, deliver important ecosystem services. These include:

- Biological services such as habitat and food sources for various bird and mammal species, an increase in ground plant diversity under the trees due to increased soil nutrients and moisture etc. (there are various research reports on this by researchers such as Dr Mark Anderson who found a marked decline in bird species when mature Camel thorn trees are removed, and similarly with the black tailed tree rat by Dr Jana Eccard *et al.* Dr Sue Milton and Dr W Dean found significant increases in ground flora under the mature trees due to shade, increased soil moisture, increased soil nutrients etc.)
- Carbon sequestration. This important service is looked at from the regional and global scale, therefore it becomes a significant impact the higher the numbers of trees are affected, especially if measured in tens of thousands of trees.
- Micro-climate. This important regulation service of reduced temperature and increased humidity becomes significant at the local scale when large numbers of trees are removed, and has a localised knock-on effect on the fauna and flora.

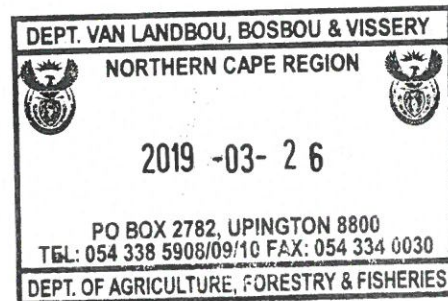
There are more ecosystem services, but the above are the most important in the particular setting of the planned development. Such loss in ecosystem services is possible to quantify by experts in environmental accounting, but in the absence of such calculations, a very rough estimation has to be made of what would amount to a suitable biodiversity off-set. Added to that is the threat status of the veld type, its current level of transformation and its shortfall in conservation targets.

Given all the above, and mindful of previous biodiversity offset examples, the following is determined as suitable for an offset for the planned solar development if phase 3 is added, and a separate proposal is made if phase 4 is added:

1. If phase 3 is added (including phases 1 and 2 as accumulative impacts): An offset equivalent to the securing of 900 ha or more of land of similar or better veld type for conservation. That would translate into about R 5.4 million (if worked on the basis of R6000 per hectare for unimproved

- natural veld) + R 3 million costs towards putting management of the area in place, including fencing if necessary.
2. If phase 4 is added (including phases 1, 2 and 3 as accumulative impacts): An offset equivalent to the securing of 1300 ha or more of land of similar or better veld type for conservation. That would translate into about R 7.8 million (if worked on the basis of R6000 per hectare for unimproved natural veld) + R 3 million costs towards putting management of the area in place, including fencing if necessary.

The avoidance of sensitive areas in the phase 1 area is taken into account, which might have triggered the need for an offset for phase 1 alone. Had that area been affected, the offset would have been larger in phases 3 and 4. The best outcome for biodiversity offsetting is to reduce impacts to the extent that offsetting does not become necessary, or is significantly reduced.





DEPARTMENT OF ENVIRONMENTAL AFFAIRS



## environmental affairs

Department:  
Environmental Affairs  
**REPUBLIC OF SOUTH AFRICA**

Private Bag X 447 · PRETORIA · 0001 · Environment House · 473 Steve Biko Road · Arcadia · PRETORIA  
Tel (+ 27 12) 399 9372

**DEA Reference:** 14/12/16/3/3/2/1110

**Enquiries:** Mr Thando Booï

**Telephone:** (012)399 9387 **E-mail:** TBooi@environment.gov.za

Jo-anne Thomas  
Savannah Environmental (Pty) Ltd  
P.O. Box 148  
**SUNNINGHILL**  
2157

Telephone Number: (011) 656 3237  
Email Address: joanne@savannahsa.com

### **PER EMAIL / MAIL**

Dear Ms Thomas

### **ACCEPTANCE OF THE SCOPING REPORT FOR THE PROPOSED HYPERION SOLAR DEVELOPMENT 2, NORTHERN CAPE PROVINCE**

The final Scoping Report (SR) and Plan of Study for Environmental Impact Assessment (PoSEIA) dated December 2018 and received by this Department on 07 December 2018 refer.

This Department has evaluated the submitted final SR and the PoSEIA dated December 2018 and is satisfied that the documents comply with the minimum requirements of the Environmental Impact Assessment (EIA) Regulations 2014, as amended. The SR is hereby accepted by the Department in terms of Regulation 22(a) of the EIA Regulations 2014, as amended.

You may proceed with the EIA process in accordance with the tasks contemplated in the PoSEIA and the requirements of the EIA Regulations 2014, as amended. However, you must take note of the following comments from the Department:

#### Technical Details of the proposed facility and design alternative

- The EIAR must provide the technical details for the proposed facility in a table format as well as their description and/or dimensions. A sample for the minimum information required is listed under point 2 of the EIA information required for PV facilities below.
- Further, the EIAR must include the design alternative for the proposed 75MW PV facility.

#### Application for re-zoning

The EIAR must include proof indicating that an application for the re-zoning has been lodged with the National Department of Agriculture as development on agricultural land needs to be approved by the National Department of Agriculture in terms of the subdivision of Agricultural Land Act 70 of 1970 (SALA).

#### The EIAR must also provide the following:

- Clear description of all associated infrastructure. This description must include, but not limited to the following:
  - Power lines;
  - Internal roads infrastructure; and;

- All supporting onsite infrastructure such as laydown area, guard house and control room etc.
- All necessary details regarding all possible locations and sizes of the proposed satellite substation and the main substation.
- Information on services required on the site, e.g. sewage, refuse removal, water and electricity, agreements with suppliers and confirmation of capacity been obtained must be provided.

#### Need and Desirability of the proposed development

The Department has noted that there are other projects of similar nature in the area, therefore; your EIA must provide detailed description of the need and desirability of the proposed development taking into account cumulative impacts as a result of similar development in the area.

#### A copy of the final site layout map and alternatives.

All available biodiversity information must be used in the finalisation of the layout map.

- The layout map must indicate the following:
  - PV positions and its associated infrastructure;
  - Permanent laydown area footprint;
  - Internal roads indicating width (construction period width and operation period width) and with numbered sections between the other site elements which they serve (to make commenting on sections possible);
  - Wetlands, drainage lines, rivers, stream and water crossing of roads and cables indicating the type of bridging structures that will be used;
  - The location of sensitive environmental features on site e.g. CBAs, heritage sites, wetlands, drainage lines etc. that will be affected by the facility and its associated infrastructure;
  - Substation(s) and/or transformer(s) sites including their entire footprint;
  - Connection routes (including pylon positions) to the distribution/transmission network;
  - All existing infrastructure on the site, especially roads;
  - Buffer areas;
  - Buildings, including accommodation; and
  - All “no-go” areas.

#### Topographical and sensitive Maps

- An environmental sensitivity map indicating environmental sensitive areas and features identified during the EIA process must be on an A3 page with a clear legend.
- A topographical map combining the final layout map superimposed (overlain) on the environmental sensitivity map must be submitted with the final EIA.

#### Shapefile of the preferred Development layout

- A shapefile of the preferred development layout/footprint must be submitted to this Department.
- The shapefile must be created using the Hartebeesthoek 94 Datum and the data should be in Decimal Degree Format using the WGS 84 Spheroid.
- The shapefile must include at a minimum the following extensions i.e. .shp; .shx; .dbf; .prj; and, .xml (Metadata file). If specific symbology was assigned to the file, then the .avl and/or the .lyr file must also be included.
- Data must be mapped at a scale of 1:10 000 (please specify if an alternative scale was used). The metadata must include a description of the base data used for digitizing.
- The shapefile must be submitted in a zip file using the EIA application reference number as the title. The shape file must be submitted to:

**Postal Address:** Department of Environmental Affairs  
Private Bag X447  
Pretoria  
0001

**Physical address:** Environment House  
473 Steve Biko Road  
Pretoria

**For Attention:** Muhammad Essop  
Integrated Environmental Authorisations  
Strategic Infrastructure Developments

**Telephone Number:** (012) 399 9406

**Email Address:** [MEssop@environment.gov.za](mailto:MEssop@environment.gov.za)

#### The Environmental Management Programme (EMPr)

The EMPr to be submitted as part of the EIA must include the following:

- i. All recommendations and mitigation measures recorded in the EIA and the specialist studies conducted.
- ii. A good quality final site layout map with clear legend.
- iii. Measures as dictated by the final site layout map and micro-siting.
- iv. An environmental sensitivity map indicating environmental sensitive areas and features identified during the EIA process.
- v. A map combining the final layout map superimposed (overlain) on the environmental sensitivity map.
- vi. An alien invasive management plan to be implemented during construction and operation of the facility. The plan must include mitigation measures to reduce the invasion of alien species and ensure that the continuous monitoring and removal of alien species is undertaken.
- vii. A plant rescue and protection plan which allows for the maximum transplant of conservation important species from areas to be transformed. This plan must be compiled by a vegetation specialist familiar with the site and be implemented prior to commencement of the construction phase.
- viii. A re-vegetation and habitat rehabilitation plan to be implemented during the construction and operation of the facility. Restoration must be undertaken as soon as possible after completion of construction activities to reduce the amount of habitat converted at any one time and to speed up the recovery to natural habitats.
- ix. A traffic management plan for the site access roads to ensure that no hazards would result from the increased truck traffic and that traffic flow would not be adversely impacted. This plan must include measures to minimize impacts on local commuters e.g. limiting construction vehicles travelling on public roadways during the morning and late afternoon commute time and avoid using roads through densely populated built-up areas so as not to disturb existing retail and commercial operations.
- x. A storm water management plan to be implemented during the construction and operation of the facility. The plan must ensure compliance with applicable regulations and prevent off-site migration of contaminated storm water or increased soil erosion. The plan must include the construction of appropriate design measures that allow surface and subsurface movement of water along drainage lines so as not to impede natural surface and subsurface flows. Drainage measures must promote the dissipation of storm water run-off.
- xi. A fire management plan to be implemented during the construction and operation of the facility.
- xii. Measures to protect archaeological sites, artefacts, paleontological fossils or graves from construction and operational impacts.

The EAP must provide detailed motivation if any of the above requirements is not required by the proposed development and not included in the EMPr.

You are hereby reminded that should the EIA fail to comply with the requirements of this acceptance letter, the proposed Hyperion Solar Development 2 and associated infrastructure project in the Northern Cape Province will be refused in terms of the EIA Regulations 2014, as amended.

#### Public Participation

Ensure that all relevant stakeholders' comments are submitted to the Department with the final EIAr. This includes but is not limited to the Department of Environmental Affairs: Biodiversity and Conservation Directorate, the Department of Agriculture, Forestry and Fisheries (DAFF), Northern Cape Department of Environment and Nature Conservation, the South African Civil Aviation Authority (SACAA), the Department of Transport, Gamagara Local Municipality, Department of Water and Sanitation (DWS), the South African National Roads Agency Limited (SANRAL), the South African Heritage Resources Agency (SAHRA), the Endangered Wildlife Trust (EWT), Department of Mineral Resources, National Energy Regulator of South Africa (NERSA), National Department of Energy, South African National Defense Force, Eskom, Cape Nature and Birdlife South Africa.

Proof of all correspondence must be included in the EIAr. Should you be unable to obtain comments, proof should be submitted to the Department of the attempts that were made to obtain comments.

The applicant is hereby reminded to comply with the requirements of Regulation 45 with regard to the time period allowed for complying with the requirements of the Regulations, and Regulations 43 and 44 with regard to the allowance of a comment period for interested and affected parties on all reports submitted to the competent authority for decision-making. The reports referred to are listed in Regulation 43(1).

Furthermore, it must be reiterated that, should an application for Environmental Authorisation be subject to the provisions of Chapter II, Section 38 of the National Heritage Resources Act, Act 25 of 1999, then this Department will not be able to make nor issue a decision in terms of your application for Environmental Authorisation pending a letter from the pertinent heritage authority categorically stating that the application fulfils the requirements of the relevant heritage resources authority as described in Chapter II, Section 38(8) of the National Heritage Resources Act, Act 25 of 1999. Comments from SAHRA and/or the provincial department of heritage must be provided in the EIAr.

You are requested to submit two (2) electronic copies (CD/DVD) and one (1) hard copies of the EIAr to the Department as per Regulation 23(1) of the EIA Regulations, 2014 as amended.

Please also find below attached information that must be used in the preparation of the EIAr. This will enable the Department to speedily review the EIAr and make a decision on the application.

You are hereby reminded of Section 24F of the National Environmental Management Act, Act No 107 of 1998, as amended, which stipulates that no activity may commence prior to an Environmental Authorisation being granted by the Department.

Yours faithfully



**Mr Sabelo Malaza**

**Chief Director: Integrated Environmental Authorisations**

**Department of Environmental Affairs**

**Letter Signed by: Ms Olivia Letlalo**

**Designation: Control Environmental Officer: Strategic Infrastructure Developments**

**Date: 25/01/2019**

cc:	Mr M Brambilla	Cyraguard (Pty) Ltd	Tel: (060) 605 2848	Email: d.pasi@buildingenergy.it
	Mr B Fisher	(DENC)	Tel: (053) 807 7431	Email: BFisher@ncpg.gov.za
	Mr I Thusoeng	Gamagara Local Municipality	Tel: (053) 723 6000	Email: clementi@gamagara.gov.za



## Annexure 1

Format for Comments and Response Trail Report:

<b>Date of comment, format of comment name of organisation/I&amp;AP,</b>	<b>Comment</b>	<b>Response from EAP/Applicant/Specialist</b>
27/01/2016 Email Department of Environmental Affairs: Strategic Infrastructure Development (John Soap)	Please record C&R trail report in this format  Please update the contact details of the provincial environmental authority	EAP: (Noted) The C&R trail report has been updated into the desired format, see Appendix K  EAP: Details of provincial authority have been updated, see page 16 of the Application form

### A. EIA INFORMATION REQUIRED FOR SOLAR ENERGY FACILITIES

#### 1. General site information

The following general site information is required:

- Descriptions of all affected farm portions
- 21 digit Surveyor General codes of all affected farm portions
- Copies of deeds of all affected farm portions
- Photos of areas that give a visual perspective of all parts of the site
- Photographs from sensitive visual receptors (tourism routes, tourism facilities, etc.)
- Solar plant design specifications including:
  - Type of technology
  - Structure height
  - Surface area to be covered (including associated infrastructure such as roads)
  - Structure orientation
  - Laydown area dimensions (construction period and thereafter)
  - Generation capacity
- Generation capacity of the facility as a whole at delivery points

This information must be indicated on the first page of the EIAr. It is also advised that it be double checked as there are too many mistakes in the applications that have been received that take too much time from authorities to correct.

#### 2. Sample of technical details for the proposed facility

<b>Component</b>	<b>Description / dimensions</b>
Height of PV panels	
Area of PV Array	
Number of inverters required	
Area occupied by inverter / transformer stations / substations	
Capacity of on-site substation	
Area occupied by both permanent and construction laydown areas	
Area occupied by buildings	

Length of internal roads	
Width of internal roads	
Proximity to grid connection	
Height of fencing	
Type of fencing	

### 3. Site maps and GIS information

Site maps and GIS information should include at least the following:

- All maps/information layers must also be provided in ESRI Shapefile format
- All affected farm portions must be indicated
- The exact site of the application must be indicated (the areas that will be occupied by the application)
- A status quo map/layer must be provided that includes the following:
  - Current use of land on the site including:
    - Buildings and other structures
    - Agricultural fields
    - Grazing areas
    - Natural vegetation areas (natural veld not cultivated for the preceding 10 years) with an indication of the vegetation quality as well as fine scale mapping in respect of Critical Biodiversity Areas and Ecological Support Areas
    - Critically endangered and endangered vegetation areas that occur on the site
    - Bare areas which may be susceptible to soil erosion
    - Cultural historical sites and elements
  - Rivers, streams and water courses
  - Ridgelines and 20m continuous contours with height references in the GIS database
  - Fountains, boreholes, dams (in-stream as well as off-stream) and reservoirs
  - High potential agricultural areas as defined by the Department of Agriculture, Forestry and Fisheries
  - Buffer zones (also where it is dictated by elements outside the site):
    - 500m from any irrigated agricultural land
    - 1km from residential areas
  - Indicate isolated residential, tourism facilities on or within 1km of the site
- A slope analysis map/layer that include the following slope ranges:
  - Less than 8% slope (preferred areas for PV and infrastructure)
  - between 8% and 12% slope (potentially sensitive to PV and infrastructure)
  - between 12% and 14% slope (highly sensitive to PV and infrastructure)
  - steeper than 18 % slope (unsuitable for PV and infrastructure)
- A site development proposal map(s)/layer(s) that indicate:
  - Foundation footprint
  - Permanent laydown area footprint
  - Construction period laydown footprint
  - Internal roads indicating width (construction period width and operation period width) and with numbered sections between the other site elements which they serve (to make commenting on sections possible)
  - River, stream and water crossing of roads and cables indicating the type of bridging structures that will be used
  - Substation(s) and/or transformer(s) sites including their entire footprint.
  - Cable routes and trench dimensions (where they are not along internal roads)
  - Connection routes to the distribution/transmission network (the connection must form part of the EIA even if the construction and maintenance thereof will be done by another entity such as ESKOM)

- Cut and fill areas at PV sites along roads and at substation/transformer sites indicating the expected volume of each cut and fill
- Borrow pits
- Spoil heaps (temporary for topsoil and subsoil and permanently for excess material)
- Buildings including accommodation

With the above information authorities will be able to assess the strategic and site impacts of the application.

#### 4. Regional map and GIS information

The regional map and GIS information should include at least the following:

- All maps/information layers must also be provided in ESRI Shapefile format
- The map/layer must cover an area of 20km around the site
- Indicate the following:
  - roads including their types (tarred or gravel) and category (national, provincial, local or private)
  - Railway lines and stations
  - Industrial areas
  - Harbours and airports
  - Electricity transmission and distribution lines and substations
  - Pipelines
  - Waters sources to be utilised during the construction and operational phases
  - A visibility assessment of the areas from where the facility will be visible
  - Critical Biodiversity Areas and Ecological Support Areas
  - Critically Endangered and Endangered vegetation areas
  - Agricultural fields
  - Irrigated areas
  - An indication of new road or changes and upgrades that must be done to existing roads in order to get equipment onto the site including cut and fill areas and crossings of rivers and streams

#### 5. Important stakeholders

Amongst other important stakeholders, comments from the National Department of Agriculture, Forestry and Fisheries must be obtained and submitted to the Department. Any application, documentation, notification etc. should be forwarded to the following officials:

Ms Mashudu Marubini  
 Delegate of the Minister (Act 70 of 1970)  
 E-mail: MashuduMa@daff.gov.za  
 Tel: (012) 319 7619

Ms Thoko Buthelezi  
 AgriLand Liaison office  
 E-mail: ThokoB@daff.gov.za  
 Tel: (012) 319 7634

All hardcopy applications / documentation should be forwarded to the following address:

Physical address:  
 Delpen Building  
 Cnr Annie Botha and Union Street  
 Office 270

Attention: Delegate of the Minister Act 70 of 1970

Postal Address:

Department of Agriculture, Forestry and Fisheries

Private Bag X120

**PRETORIA**

0001

Attention: Delegate of the Minister Act 70 of 1970

In addition, comments must be requested from Eskom regarding grid connectivity and capacity. Request for comment must be submitted to:

Mr John Geeringh

Eskom Transmission

Megawatt Park D1Y38

PO Box 1091

**JOHANNESBURG**

2000

Tel: (011) 516 7233

Fax: (086) 661 4064

John.geeringh@eskom.co.za

## **B. AGRICULTURE STUDY REQUIREMENTS**

- Detailed soil assessment of the site in question, incorporating a radius of 50 m surrounding the site, on a scale of 1:10 000 or finer. The soil assessment should include the following:
  - Identification of the soil forms present on site
  - The size of the area where a particular soil form is found
  - GPS readings of soil survey points
  - The depth of the soil at each survey point
  - Soil colour
  - Limiting factors
  - Clay content
  - Slope of the site
  - A detailed map indicating the locality of the soil forms within the specified area,
  - Size of the site
- Exact locality of the site
- Current activities on the site, developments, buildings
- Surrounding developments / land uses and activities in a radius of 500 m of the site
- Access routes and the condition thereof
- Current status of the land (including erosion, vegetation and a degradation assessment)
- Possible land use options for the site
- Water availability, source and quality (if available)
- Detailed descriptions of why agriculture should or should not be the land use of choice
- Impact of the change of land use on the surrounding area
- A shape file containing the soil forms and relevant attribute data as depicted on the map.

DEPARTMENT OF MINERAL RESOURCES





## mineral resources

Department:  
Mineral Resources  
**REPUBLIC OF SOUTH AFRICA**

Private Bag X 6093, Kimberley, 8300, 65 Phakamile Mabija Street, Perm Building, Kimberley, 8301  
Tel: 053 807 1781 Fax: 053 832 5631 Email: [precious.mocumi@dmr.gov.za](mailto:precious.mocumi@dmr.gov.za) Ref: NC30/5/4/2/11296 SU

### REGISTERED MAIL

**The Manager**  
**Cyragaurd (Pty) Ltd**  
Postnet Suite 150  
Private Bag X3  
Roggebaai  
8012

**Fax:** n/a

### APPLICATION FOR THE PROPOSED ESTABLISHMENT OF HYPERION SOLAR DEVELOPMENT FACILITY IN TERMS OF SECTION 53 OF THE MINERAL AND PETROLEUM DEVELOPMENT ACT, 2002 (ACT 28 OF 2002): REMAINDER OF THE FARM LYNDOKH 432, SITUATED IN THE MAGISTERIAL DISTRICT OF KATHU.

1. We acknowledge receipt of your application in the abovementioned matter. We have noted the contents thereof.
2. I wish to inform/notify you that in order for this office to provide you with proper comments as requested, consultations with various role players of this Department has to take place, namely;
  - (i.) the Principal Inspector of Mines, Northern Cape Region;
  - (ii.) the Director: Mine Surveying (Pretoria);
3. The aforesaid consultation process may take longer than the prescribed 60 days period, therefore if we do not comment within the prescribed timeframe it should not be construed as if we do not have any comments to furnish.
4. According to our available records there is a granted right by Royal Chaka Minerals (Pty) Ltd (PO Box 82, Windsorton, 8750, Tel 053 551 0089), there is an accepted permit held by GTC Project Management (Pty) Ltd (Shop 43, Kathu, 8446, Cell: 079 124 8247, Email: [alberto@abcr.co.za](mailto:alberto@abcr.co.za)). You are therefore requested to consult with the above entities and submit proof thereof within 30 days of this letter.

Yours faithfully

*MB Muthuswami*  
**REGIONAL MANAGER:**  
**NORTHERN CAPE**  
**DATE:** *13/02/2019*

*Acting*

## INTERESTED AND AFFECTED PARTIES

Comments receive on the EIAr to be included in Final  
EIAr

COMMENTS RECEIVED BEFORE SCOPING  
REPORT FOR PUBLIC REVIEW AND COMMENT



# ORGANS OF STATE

Our Ref:



an agency of the  
Department of Arts and Culture

T: +27 21 462 4502 | F: +27 21 462 4509 | E: [info@sahra.org.za](mailto:info@sahra.org.za)  
South African Heritage Resources Agency | 111 Harrington Street | Cape Town  
P.O. Box 4637 | Cape Town | 8001  
[www.sahra.org.za](http://www.sahra.org.za)

Enquiries: Natasha Higgitt  
Tel: 021 462 4502  
Email: [nhiggitt@sahra.org.za](mailto:nhiggitt@sahra.org.za)  
CaseID: 12966

Date: Wednesday October 03, 2018  
Page No: 1

## Interim Comment

In terms of Section 38(3), 38(8) of the National Heritage Resources Act (Act 25 of 1999)

Attention: Cyraguard (Pty) Ltd

**Project Name: Hyperion Solar Development 2 Applicant: Hyperion Cyraguard (Pty) Ltd Proposed Activity: The construction of a photovoltaic (PV) solar energy facility (SEF) with a contracted capacity of up to 75MW. The development footprint will be ~180ha and will include the following infrastructure:**

- » Arrays of PV panels with a capacity of up to 75MW.
- » Mounting structures to support the PV panels.
- » Cabling between the project components, to be laid underground where practical.
- » On-site inverters.
- » An on-site substation to facilitate connection between each solar energy facility and the Eskom grid.
- » A new 132kV overhead power line (OHPL) between the on-site substations and the Eskom grid connection point (to be assessed in a separate Basic Assessment process).
- » Battery storage mechanism with a storage capacity of up to 300MWh.
- » Water purification plant.
- » Site Offices and Maintenance Buildings, including workshop areas for maintenance and storage.
- » Batching plant.
- » Temporary laydown areas.
- » Internal access roads and fencing around the development area.

The applicant is furthermore proposing to either upgrade the existing T26 gravel road or construct a new access road of the T25 gravel road which will provide access to the project site via the N14. Location: The Remaining Extent of the Farm Lyndoch 432 is situated ~16km north of Kathu in the Northern Cape Province. The proposed projects fall within the jurisdiction of the Gamagara Local Municipality and within the greater John Taolo Gaetsewe District Municipality. Environmental Impact Assessment Process: In terms of Sections 24 and 24D of the National Environmental Management Act (No 107 of 1998), as read with Government Notice R324 – R327, as amended, a Scoping and Environmental Impact Assessment (EIA) is required for each solar energy facility (SEF). Savannah Environmental is undertaking the required environmental assessment and public participation process for each project.

Thank you for notifying SAHRA of the Environmental Authorisation (EA) application for the proposed Hyperion Solar Development 2 on remaining portion of Lyndoch 432 between Kathu and Kuruman, Northern Cape Province.

As the proposed development is undergoing an EA Application process in terms of the National Environmental Management Act, 107 of 1998 (NEMA), and the NEMA Environmental Impact Assessment (EIA) Regulations it is incumbent on the developer to ensure that a **Heritage Impact Assessment (HIA)** is done as per section 38(3) and 38(8) of the National Heritage Resources Act, Act 25 of 1999 (NHRA). This must include an

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Page No: 2

archaeological component, palaeontological component and any other applicable heritage components. The HIA must be conducted **as part of the** EA Application in terms of NEMA and the NEMA EIA Regulations.

The quickest process to follow for the archaeological component would be to contract a specialist (see [www.asapa.org.za](http://www.asapa.org.za) or [www.aphp.org.za](http://www.aphp.org.za) to provide an Archaeological Impact Assessment (AIA). The AIA must comply with the SAHRA 2007 Minimum Standards: Archaeological and Palaeontological Component of Impact Assessments.

The proposed prospecting area is located within an area of moderate sensitivity in terms of palaeontological resources. An assessment of the impact of the development on palaeontological resources is required to be completed by a qualified palaeontologist. The report must comply with the SAHRA 2012 Minimum Standards: Palaeontological Component of Heritage Impact Assessments (a list of qualified palaeontologists can be supplied upon request).

Any other heritage resources as defined in section 3 of the NHRA that may be impacted, such as maritime archaeology, built structures over 60 years old, sites of cultural significance associated with oral histories, burial grounds and graves, graves of victims of conflict, and cultural landscapes or viewsapes must also be assessed.

The draft Scoping report and appendices must be submitted at the start of the public review period so that an informed comment may be issued.

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

Yours faithfully

---

Natasha Higgitt  
Heritage Officer

Our Ref:



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Department of Arts and Culture

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Enquiries: Natasha Higgitt  
Tel: 021 462 4502  
Email: [nhiggitt@sahra.org.za](mailto:nhiggitt@sahra.org.za)  
CaseID: 12966

Date: Wednesday October 03, 2018  
Page No: 3

South African Heritage Resources Agency

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

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**ADMIN:**  
Direct URL to case: <http://www.sahra.org.za/node/512522>

LANDOWNERS

## Savannah Environmental Public Process

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**From:** Karl vanHeerden <kv@coatings.co.za>  
**Sent:** 03 October 2018 2:17 PM  
**To:** 'publicprocess@savannahsa.com'  
**Cc:** 'hager.henri@gmail.com'  
**Subject:** HYPERION SONKRAG AANLEG, VIR AANDAG ROZANNE ELS  
**Attachments:** fb.gif; youtube.gif; www.gif; lesotho.gif; blue.gif; image.pdf  
**Importance:** High

Goeie middag Rozanne,  
vind asseblief aangeheg Registrasie en Kommentaar vorm van "SAASVELD BOERDERY BK" wie se gronde aanliggend aan die plaas Lyndoch is.

Die pad deur die plaas Lyndoch, parallel met Vlermuisleegte is die hoof toegang pad na die plaas SAASVELD.

KOMMENTAAR: (soos gelys op die aansoek vorm en addisioneel).

1. Sekerheid oor gebruik van die toegang pad via Lyndoch, en impak van addisionele swaar verkeer en onderhoud op die huidige toegangspad (T26) vanaf die N14.
2. SAASVELD boerderye moet asseblief op sirkulasie van Omgewings impak studie geplaas word.
3. Daar moet 'n rehabilitasie fonds wees om die area te rehabiliteer indien die projek gestaak sou word (om watter rede ookal) vir elk van die 4 applikante / ontwikkelaars.
4. Die area is 'n gras savannah met redelike baie Kameeldoringboom (en ook swarthaak wat vervuilde is). Maar die plantegroei hou die toplaag sand in beheer. Wat gaan die effek van wind-erosie rondom die son-panele wees?
5. Verhoogde brandgevaar as gevolg van "vergrootglas effek" op gebreekte glas en addisionele krag lyne en sub-stasie.
6. Ligging van Kantore, Werks-winkel, store en tydelike werwe ten opsigte van plaas SAASVELD (Veiligheids risiko as gevolg van toenemende onbeheerde toegang tot plase). Rehabilitasie van tydelike werwe / ongebruikte geboue.
7. Visuele en geraas impak vanaf kantore en werks-winkel.
8. Oprigting van 132kV oorhoofse kraglyn. Duidelikheid benodig oor posisie van die kraglyn vanaf die interne sub-stasie tot by die FERRUM lyn (of alternatief).

Ons waardeer die uitnodiging om te registreer as ge-afekteerde en beangstellende party.

**Beste groete.**

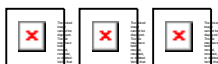
**Karl van Heerden,  
namens SAASVELD BOERDERY BK.**

**Karl Van Heerden**  
**Operations Manager - CCL**

Cell: +266 5933 2818

Email: [kv@coatings.co.za](mailto:kv@coatings.co.za)

Tel: +27 33 386 1654 Fax: +27 33 386 1185  
12312 037 Tikoe Industrial Area, Maseru, Lesotho  
P.O. Box 32, Mkondeni, Pietermaritzburg, 3212



**OMGEWINGSIMPAKEVALUERINGSPROSES  
OPENBARE DEELNAMEPROSES  
HYPERION SONGRAG AANLEG 1,2,3 EN 4, NOORD KAAP  
REGISTRASIE EN KOMMENTAAR VORM**

Stuur voltooide registrasie/kommentaar vorm aan: **Rozanne Els** van **Savannah Environmental**

Faks: **086 699 5796**

Telefoon: **011 6563237**

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

Posadres: **Posbus 148 Sunninghill 2157**

**Verkaf asseblief u persoonlike kontak besonderhede:**

Naam & Van:

Organisasie & Rol:

Posadres:

Telefoon:

Faks:

KARL VAN HEERDEN		
SAASUELD BOERDERYE - BK, DIREKSIE LID		
[REDACTED]		
[REDACTED]	Selfoon:	[REDACTED]
[REDACTED]	E-pos:	[REDACTED]

Stel u belang om te registreer as 'n belangstellende en/of geaffekteerde party (B&GP)? (Merk met JA X)  NEE

Nota: Dit word van u vereis om te registreer as 'n B&GP om alle toekomstige inligting in verband met die Omgewingsimpevalueringproses te ontvang.

**Verduidelik u belangstelling in hierdie projek (gebruik addisionele bladsye indien nodig):**

ONS PLAAS IS 'N BUURPLAAS VAN LYNDUCH EN TOEGANG NA ONS PLAAS IS VIA LYNDUCH.

**Lys u kommentaar verband met hierdie projek (gebruik addisionele bladsye indien nodig):**

1) SEKERHEID OOR GEBRUIK VAN TOEGANGSPAD.  
2) AFSKRIF VAN OMGEWINGS IMPAK STUDIE BENODIG  
3) REHABILITASIE FONDS NODIG INDIEN PROJEK GESTRAAK WORD.  
4) EFFEK OP KAMEELDORINGBOOM, PLANTEGROEI & WIND EROSIE  
5) BRAND GEVAAR

Verkaf bykommende kontak besonderhede van addisionele persoon/e wie u beskou as potensiële belangstellende en/of geaffekteerde partye:

Naam & Van:


Organisasie & Rol:

Posadres:

Telefoon:

Faks:

HENRIETTA HAGER		
SAASUELD BOERDERYE BK, DIREKSIE LID		
Posbus [REDACTED]		
[REDACTED]	Selfoon:	[REDACTED]
[REDACTED]	E-pos:	[REDACTED]

  
01-10-2018

## INTERESTED AND AFFECTED PARTIES (I&APS)



## Rozanne Els

---

**From:** Veronique Fyfe <veronique@g7energies.com>  
**Sent:** 04 October 2018 12:07 PM  
**To:** Rozanne Els; Karen de Bruyn  
**Subject:** Hyperion Solar 1 -4

Good Afternoon Rozanne,

Please could you add myself and Karen as an I&AP on the Hyperion Solar 1 0-4 Projects.

Could you also supply me with the passwords to access the public documents.

Thank you in anticipation,

Veronique Fyfe | Project Manager  
G7 Renewable Energies (Pty) Ltd

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[Cape Town 8001, South Africa](#)  
[+27 82 825 6069](#) (Mobile)  
[+27 21 300 0610](#) (Office)  
[+27 21 300 0613](#) (direct Extension)  
[+27 86 514 1735](#) (Fax)  
[www.g7energies.com](http://www.g7energies.com)

COMMENTS RECEIVED DURING SCOPING  
REPORT FOR PUBLIC REVIEW AND COMMENT

# ORGANS OF STATE

## Rozanne Els

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**From:** Simphiwe Masilela <SimphiweM@atns.co.za>  
**Sent:** 27 November 2018 3:38 PM  
**To:** Nicolene Venter; Rozanne Els  
**Cc:** Graham Mondzinger; Francois Coetzee  
**Subject:** Namas, Zonnequa & Hyperion



Good day Nicolene and Rozanne,

**RE: NAMAS AND ZONNEQUA WIND FARM**

This area is situated 20km SE of Kleinzee Airport, the proposed falls outside the Annex14 surfaces associated with the mentioned airport and it will not affect the safety of flight.

However, we recommend that they be contacted for comments on the above mentioned.

**RE: HYPERION SOLAR PV's**

The area in which the solar photovoltaic solar panels is situated is 13km SE of the FAR25: GA-TLHOSE/MAREMANE MILITARY SHOOTING RANGE boundary.

It also falls 5km NW of Sishen Airport, which is within the boundaries of the ICAO Annex 14 surfaces associated with the airport.

We cannot determine whether the proposed will affect the safety of flights, we would have to conduct a formal assessment once the project is ready for construction.

It may include a glint and glare impact assessment to be done as per SACAA requirement (refer to: Obstacle Notice 4/2017 (17/11/2017): Additional Requirements for Solar Project Applications) on the SACAA website.

We request that you please update us should there be any new developments that may affect our interests.

We will duly conduct assessments as required when the project is ready for construction.

Furthermore, we kindly request that all queries or new applications to be forwarded to the Obstacle Evaluators on the following:

[obstacleEvaluator@atns.co.za](mailto:obstacleEvaluator@atns.co.za)

For note for us to carry out a successful assessment we require the following information:

1. LOCATION (Co-ordinates WGS84 system)
2. SITE/GROUND ELEVATION (AMSL)
3. HEIGHT TO TOP OF PROPOSED DEVELOPMENT (in meters)

Kind Regards,

**Simphiwe Masilela**

**Obstacle Evaluator** | COO - Air Traffic Services

ATNS Head Office, Bruma, Johannesburg, South Africa

T: +2711 607 1228 • F: 011 607 1466 • C:

E: SimphiweM@atns.co.za • W: [www.atns.com](http://www.atns.com)



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## Savannah Environmental Public Process

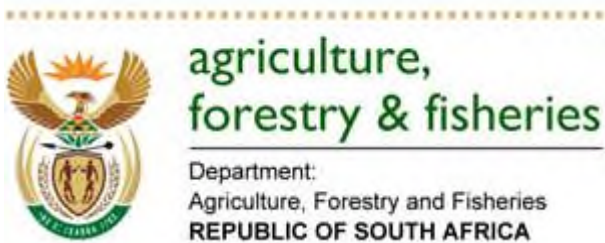
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**From:** JacolineMa <JacolineMa@daff.gov.za>  
**Sent:** 27 November 2018 3:41 PM  
**To:** Nicolene Venter  
**Cc:** 'Shaun Taylor'; 'Savannah Environmental Public Process'  
**Subject:** RE: Hyperion Solar PVs 1,2,3&4: Acknowledgement of DAFF's Comments

Noted, thank you for the DEA Ref numbers.

### Jacoline Mans

Chief Forester: NFA Regulation  
Directorate: Forestry Management (Other Regions)  
Department of Agriculture, Forestry and Fisheries  
Tel (054) 338 5909; Cell 060 973 1660  
Web: [www.daff.gov.za](http://www.daff.gov.za)  
E-mail: JacolineMa@daff.gov.za



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**From:** Nicolene Venter [mailto:[nicolene@savannahsa.com](mailto:nicolene@savannahsa.com)]  
**Sent:** 27 November 2018 03:07 PM  
**To:** JacolineMa  
**Cc:** 'Shaun Taylor'; 'Savannah Environmental Public Process'  
**Subject:** Hyperion Solar PVs 1,2,3&4: Acknowledgement of DAFF's Comments

Dear Jacoline,

DEA Ref.Nos.: 14-12-16-3-3-2-1109 (Hyperion 1); 14-12-16-3-3-2-1110 (Hyperion 2); 14-12-16-3-3-2-1111 (Hyperion 3) and 14-12-16-3-3-2-1112 (Hyperion 4)

Please receive herewith our acknowledgement of the DAFF: Northern Cape comments on the four (4) Scoping Reports for the above-mentioned projects.

Kind regards,

#### Nicolene Venter

Public Participation & Social Consultant | Savannah Environmental (Pty) Ltd  
Tel: +27 (0)11 656 3237 | Fax: +27 (0)86 684 0547

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

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**From:** JacolineMa [<mailto:JacolineMa@daff.gov.za>]

**Sent:** 26 November 2018 2:07 PM

**To:** Savannah Public Process <[publicprocess@savannahsa.com](mailto:publicprocess@savannahsa.com)>; Nicolene Venter ([nicolene@savannahsa.com](mailto:nicolene@savannahsa.com)) <[nicolene@savannahsa.com](mailto:nicolene@savannahsa.com)>

**Subject:** RE: COMMERCIAL:Reminder: Hyperion Solar Notification of Availability of Scoping Report for public review

Good Day

Attached please find comments from the Department of Forestry on the above-mentioned 4 proposed Solar Energy Facilities. Thank you for notifying the Department and giving us the opportunity to comment.

Kind Regards,

**Jacoline Mans**

Chief Forester: NFA Regulation

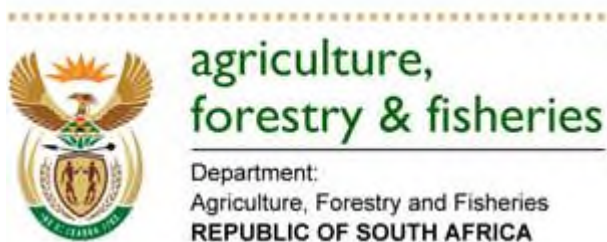
Directorate: Forestry Management (Other Regions)

Department of Agriculture, Forestry and Fisheries

Tel (054) 338 5909; Cell 060 973 1660

Web: [www.daff.gov.za](http://www.daff.gov.za)

E-mail: [JacolineMa@daff.gov.za](mailto:JacolineMa@daff.gov.za)



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

**Sent:** 26 November 2018 06:56 AM

**Subject:** COMMERCIAL:Reminder: Hyperion Solar Notification of Availability of Scoping Report for public review

Dear Stakeholder,

With reference to the attached notification letter and emails below, this email serves as a reminder that the comment period ends **Today, Monday the 26th of November 2018**.

Kindly submit your comments **Today, Monday the 26th of November 2018** by close of business.

Thank you and kind regards,

**Rozanne Els**

Public Participation Co-ordinator | Savannah Environmental (Pty) Ltd  
Tel: +27 (0)11 656 3237 | Fax: +27 (0)86 684 0547

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

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> From: Savannah Public Process <[publicprocess@savannahsa.com](mailto:publicprocess@savannahsa.com)>  
> Date Sent: 23/11/2018 07:32  
> To:  
> Cc:  
> Subject: FW: Reminder: Hyperion Solar Notification of Availability of Scoping Report for public review  
>

Dear Stakeholder,

With reference to the attached notification letter and email below, this email serves as a reminder that the comment period ends on **Monday, 26 November 2018**.

Kindly submit your comments on or before **Monday, 26 November 2018** by close of business.

Thank you and kind regards,

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> From: Savannah Public Process  
> Date Sent: 16/11/2018 09:47  
> To:  
> Cc:  
> Subject: FW: Reminder: Hyperion Solar Notification of Availability of Scoping Report for public review  
>

Dear Stakeholder,

With reference to the attached notification letter and email below, this email serves as a reminder that the comment period ends on **Monday, 26 November 2018**.

Kindly submit your comments on or before **Monday, 26 November 2018** by close of business.

Thank you and kind regards,

**Rozanne Els**



> From: Savannah Public Process  
> Date Sent: 26/10/2018 13:13  
> To:  
> Cc:  
> Subject: FW: Hyperion Solar Notification of Availability of Scoping Report for public review  
>

Dear Stakeholder,

The development of four (4) separate photovoltaic (PV) solar energy facilities (SEFs) as well as associated infrastructure are being proposed on the Remaining Extent of the Farm Lyndoch 432 situated ~16km north of Kathu in the Northern Cape Province. The proposed SEFs fall within the jurisdiction of the Gamagara Local Municipality and within the greater John Taolo Gaetsewe District Municipality. These facilities will be called Hyperion Solar Development 1, 2, 3 and 4.

As a registered Interested and Affected Party (I&AP), you are hereby notified that the Scoping Report is available for review and comment. The report can be viewed at the Kathu Public Library (1 Hendrik van Eck Road, Kathu, Northern Cape Province) from **Friday, 26 October 2018 to Monday, 26 November 2018**. The report can also be downloaded from the following website: [www.savannahsa.com](http://www.savannahsa.com). A password to access the downloads page can be requested from the contact person below.

Please refer to the attached notification letter for further information.

Kind regards,

**Rozanne Els**

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# agriculture, forestry & fisheries

Department:  
Agriculture, Forestry and Fisheries  
REPUBLIC OF SOUTH AFRICA

Directorate: Forestry Management (Other Regions)  
P.O. Box 2782, Uptington, 8800, Tel 054 338 5909, Fax 054 334 0030

Enquiries: J Mans  
E-mail: [JacolineMa@daff.gov.za](mailto:JacolineMa@daff.gov.za)  
Date: 26 November 2018  
Ref: 40.8.14.2/NC/129

Savannah Environmental (Pty) Ltd  
First Floor, Block 2  
5 Woodlands Drive Office Park  
Cnr Woodlands Drive & Western Service Road  
Woodmead  
2191

ATTENTION: Nicolene Venter ([Nicolene@savannahsa.com](mailto:Nicolene@savannahsa.com))

RE: COMMENTS ON DRAFT SCOPING REPORTS FOR THE PROPOSED HYPERION SOLAR DEVELOPMENT 1, 2, 3 AND 4 AND ASSOCIATED INFRASTRUCTURE NEAR KATHU, NORTHERN CAPE PROVINCE (DEA REF: NOT SUPPLIED)

## 1. DEPARTMENTAL MANDATE

The Directorate: Forestry Management (Other Regions) in the Department of Agriculture, Forestry and Fisheries (DAFF) is responsible for administration of the **National Forests Act, Act 84 of 1998 (NFA)** and **the National Veld and Forest Fires Act, Act 101 of 1998** as amended. The developer must take note of the following sections of the NFA:

### 1.1 Section 12(1): "The Minister may declare-

- (a) a particular tree,
- (b) a particular group of trees,
- (c) a particular woodland; or
- (d) trees belonging to a particular species, to be a protected tree, group of trees, woodland or species.

### 1.2 Section 15(1): "No person may-

- (a) Cut, disturb, damage or destroy any protected tree; or
- (b) Possess, collect, remove, transport, export, purchase, sell, donate or in any other manner acquire or dispose of any protected tree, or any forest product derived from a protected tree, except-
  - (i) under a license granted by the Minister; or
  - (ii) in terms of an exemption from the provision of this subsection published by the Minister in the Gazette on the advice of the Council."

- 1.3 “Any person who contravenes the prohibition on-
- (i) The cutting, disturbance, damage or destruction of temporarily protected trees or groups of trees referred to in section 14(2) or protected trees referred to in section 15(1)(a); or
  - (ii) The possession, collection, removal, transport, export, purchase or sale of temporarily protected trees or groups of trees referred to in section 14(2) or protected trees referred to in section 15(1)(b), or any forest product derived from a temporarily protected tree, group of trees or protected tree, is guilty of a first category offence.
- 1.4 Section 58 (1): “Any person who is guilty of a first category offence referred to in sections 62 and 63 may be sentenced to a fine or imprisonment for a period of up to three years, or to both a fine and such imprisonment.”
- 1.5 The list of protected tree species under section 12(1) (d) of the National Forests Act, 1998 (Act No. 84 of 1998) is published annually; the most recent publication was in GN536 of 7 September 2018.

## 2. COMMENTS ON DRAFT ENVIRONMENTAL IMPACT ASSESSMENT REPORT

- 2.1 The proposed four (4) 75 MW PV Facilities planned on the Remaining Extent of Farm Lyndoch 432, 16 km north of Kathu, refers. The proposed development may have significant impacts on *Vachellia erioloba* and *Vachellia haematoxylon*. The Department will assess the cumulative impacts of the four proposed developments, even if constructed by different companies (if authorised), because it is located on one property. Once the threshold of 2000 protected trees are exceeded, a biodiversity offset may be requested to compensate for the loss of large numbers of protected trees. Offsets must be in the form of land formally declared as Nature Reserves or Protected Area.
- 2.2 The proposed Alternative 2 access road is not feasible nor is it supported, because it passes through a portion of Kathu Forest Protected Woodland and may have unwanted, additional dust impacts on trees in the Woodland. The report mentioned that this access alternative is located within a Critical Biodiversity Area, probably attributed to the Kathu Forest Protected Woodland. If authorisation is granted, it should not be for this alternative. In fact, this access alternative is from DAFF’s point of view a fatal flaw and cannot be authorised.
- 2.3 The reports mentioned that access route alternative 2 will have to be widened by 4 meters. Kindly note the DAFF may refuse to issue licenses for removal of protected trees to facilitate widening of access road alternative 2, because it is located in the Kathu Forest Protected Woodland. In the protected woodland, all tree species are protected, not just the protected trees *per se*.
- 2.4 The report is not consistent in terms of the size of the proposed development footprints. Figures mentioned vary from 180 ha to 200 ha per development, but during the DAFF Focus Group Meeting in Upington on 8 November 2018, development footprint figures of 250 ha per facility were mentioned. Please clarify.
- 2.5 The *Vachellia haematoxylon* density on site is said to vary between 10 trees/ha to 50 trees/ha. The destruction of ± 4 x 200 ha of vegetation may thus result in the loss of anything from 2000 to 10 000 Grey Camel thorn trees **per development**, with *Vachellia erioloba* said to have even higher densities in some parts of the project sites. Therefore, the chances are very good that even just one of the four projects may trigger an offset under the DAFF licensing guidelines, which can cause delays. A written offset agreement, with timeframes for implementation and proven funding for long-term management of the offset area, may be required before any license can be processed.

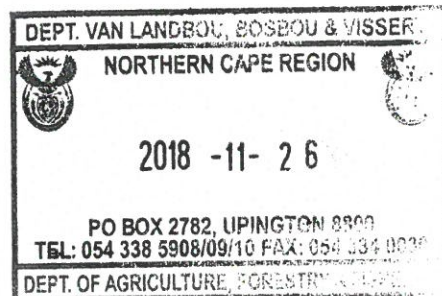


- 2.6 The reports stated that more detailed assessments will be conducted during the EIA phase to accurately quantify the number of individuals of protected trees affected in the Solar Energy Facilities (SEF) footprints, so that this can inform any potentially required offset calculation. It is of concern that developers and consultants talk so easily about offsets. Offset should be the last resort after all other efforts to avoid and minimise impacts were exhausted. An effort should have been made to find suitable alternative land where impacts on vegetation are unlikely to trigger an offset. No alternative land / farms were considered.
- 2.7 If a offset is triggered, the developer can be asked to carry the costs of the declaration of the Forest Nature Reserve or Protected Area, which can easily amounts to ± R200 000 just for the media notices as prescribed in the Act. This will be in addition to the costs for the long-term management of the offset area, which include the development and implementation of a management plan, game fencing, problem animal control, management of alien invasive plants, etc. The developer will have to proof sufficient funds are allocated and ring-fenced for the long-term management of the offset area (if required).
- 2.8 The developer must note that trees with active bird nests may not be removed or disturbed without a valid Fauna Permit from Nature Conservation. It was not mentioned in the report.

Kind Regards,



Jacoline Mans  
Chief Forester: NFA Regulation  
DATE: 26/11/2018



## Rozanne Els

---

**From:** Nicolene Venter <nicolene@savannahsa.com>  
**Sent:** 26 November 2018 4:57 PM  
**To:** 'JacolineMa'  
**Cc:** 'Shaun Taylor'; 'Thalita Botha'; 'Rozanne Els'  
**Subject:** Hyperion Solar PVs 1,2,3&4: Acknowledgement of Comments

Dear Ms Mans,

Please receive herewith acknowledgement of the DAFF's written comments received on the Scoping Reports for the Hyperion Solar PV1, PV2, PV3 and PV4.

These comments will be included in the Comments and Responses Report with the Environmental Assessment Practitioner's responses.

Kind regards,

**Nicolene Venter**

Public Participation & Social Consultant | Savannah Environmental (Pty) Ltd  
Tel: +27 (0)11 656 3237 | Fax: +27 (0)86 684 0547

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

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**From:** JacolineMa <JacolineMa@daff.gov.za>  
**Sent:** Monday, November 26, 2018 2:07 PM  
**To:** Savannah Public Process <publicprocess@savannahsa.com>; Nicolene Venter (nicolene@savannahsa.com) <nicolene@savannahsa.com>  
**Subject:** RE: COMMERCIAL:Reminder: Hyperion Solar Notification of Availability of Scoping Report for public review

Good Day

Attached please find comments from the Department of Forestry on the above-mentioned 4 proposed Solar Energy Facilities. Thank you for notifying the Department and giving us the opportunity to comment.

Kind Regards,

**Jacoline Mans**

Chief Forester: NFA Regulation  
Directorate: Forestry Management (Other Regions)  
Department of Agriculture, Forestry and Fisheries  
Tel (054) 338 5909; Cell 060 973 1660  
Web: [www.daff.gov.za](http://www.daff.gov.za)  
E-mail: [JacolineMa@daff.gov.za](mailto:JacolineMa@daff.gov.za)



agriculture,  
forestry & fisheries

Department:  
Agriculture, Forestry and Fisheries  
REPUBLIC OF SOUTH AFRICA

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

**Sent:** 26 November 2018 06:56 AM

**Subject:** COMMERCIAL:Reminder: Hyperion Solar Notification of Availability of Scoping Report for public review

Dear Stakeholder,

With reference to the attached notification letter and emails below, this email serves as a reminder that the comment period ends **Today, Monday the 26th of November 2018**.

Kindly submit your comments **Today, Monday the 26th of November 2018** by close of business.

Thank you and kind regards,

**Rozanne Els**

Public Participation Co-ordinator | Savannah Environmental (Pty) Ltd

Tel: +27 (0)11 656 3237 | Fax: +27 (0)86 684 0547

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

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

> Date Sent: 23/11/2018 07:32

> To:

> Cc:

> Subject: FW: Reminder: Hyperion Solar Notification of Availability of Scoping Report for public review

>

Dear Stakeholder,

With reference to the attached notification letter and email below, this email serves as a reminder that the comment period ends on **Monday, 26 November 2018**.

Kindly submit your comments on or before **Monday, 26 November 2018** by close of business.

Thank you and kind regards,

---

> From: Savannah Public Process  
> Date Sent: 16/11/2018 09:47  
> To:  
> Cc:  
> Subject: FW: Reminder: Hyperion Solar Notification of Availability of Scoping Report for public review  
>

Dear Stakeholder,

With reference to the attached notification letter and email below, this email serves as a reminder that the comment period ends on **Monday, 26 November 2018**.

Kindly submit your comments on or before **Monday, 26 November 2018** by close of business.

Thank you and kind regards,

**Rozanne Els**

Public Participation Co-ordinator | Savannah Environmental (Pty) Ltd  
Tel: +27 (0)11 656 3237 | Fax: +27 (0)86 684 0547

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> From: Savannah Public Process  
> Date Sent: 26/10/2018 13:13  
> To:  
> Cc:  
> Subject: FW: Hyperion Solar Notification of Availability of Scoping Report for public review  
>

Dear Stakeholder,

The development of four (4) separate photovoltaic (PV) solar energy facilities (SEFs) as well as associated infrastructure are being proposed on the Remaining Extent of the Farm Lyndoch 432 situated ~16km north of Kathu in the Northern Cape Province. The proposed SEFs fall within the jurisdiction of the Gamagara Local Municipality and within the greater John Taolo Gaetsewe District Municipality. These facilities will be called Hyperion Solar Development 1, 2, 3 and 4.

As a registered Interested and Affected Party (I&AP), you are hereby notified that the Scoping Report is available for review and comment. The report can be viewed at the Kathu Public Library (1 Hendrik van Eck Road, Kathu, Northern Cape Province) from **Friday, 26 October 2018 to Monday, 26 November 2018**. The report can also be downloaded from the following website: [www.savannahsa.com](http://www.savannahsa.com). A password to access the downloads page can be requested from the contact person below.

Please refer to the attached notification letter for further information.

Kind regards,

**Rozanne Els**

Public Participation Co-ordinator | Savannah Environmental (Pty) Ltd  
Tel: +27 (0)11 656 3237 | Fax: +27 (0)86 684 0547

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

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## Savannah Environmental Public Process

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**From:** Mmboneni Mutheiwana <MMboneni.Mutheiwana@dmr.gov.za>  
**Sent:** 28 November 2018 8:55 AM  
**To:** Shaun Taylor  
**Cc:** 'Nicolene Venter'; 'Savannah Environmental Public Process'  
**Subject:** RE: Request for Comment - Hyperion Solar Development

Good day

Noted with thanks, we are trying our best to make sure that section 53 applications are finalised. But the feedback or final outcome will be communicated directly to the applicant.

Kind Regards

---

**From:** Shaun Taylor [mailto:shaun@savannahsa.com]  
**Sent:** Tuesday, 27 November 2018 4:50 PM  
**To:** Mmboneni Mutheiwana  
**Cc:** 'Nicolene Venter'; 'Savannah Environmental Public Process'  
**Subject:** RE: Request for Comment - Hyperion Solar Development

Good Afternoon Mmboneni

Please note that we have been informed that an application in terms of Section 53 of the Minerals and Petroleum Resources and Development Act, 2002 has been lodged by the applicant. They are currently awaiting response.

As soon as a response is received, this will be advised.

Regards

**Shaun Taylor**

Environmental and Permitting Lead Consultant | Savannah Environmental (Pty) Ltd  
Tel: +27 (0)11 656 3237 | Cell: +27(0)72 779 4899 | Fax: +27 (0)86 684 0547

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

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**From:** Savannah Environmental Public Process <[publicprocess@savannahsa.com](mailto:publicprocess@savannahsa.com)>  
**Sent:** Wednesday, 21 November 2018 08:22  
**To:** 'Shaun Taylor' <[shaun@savannahsa.com](mailto:shaun@savannahsa.com)>  
**Cc:** 'Nicolene Venter' <[nicolene@savannahsa.com](mailto:nicolene@savannahsa.com)>  
**Subject:** FW: Request for Comment - Hyperion Solar Development

Hi Shaun,

Please see query below.

Kind regards,

**Rozanne Els**

Public Participation Co-ordinator | Savannah Environmental (Pty) Ltd  
Tel: +27 (0)11 656 3237 | Fax: +27 (0)86 684 0547

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

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**From:** Mmboneni Mutheiwana [<mailto:MMboneni.Mutheiwana@dmr.gov.za>]  
**Sent:** 21 November 2018 8:02 AM  
**To:** Savannah Environmental Public Process <[publicprocess@savannahsa.com](mailto:publicprocess@savannahsa.com)>  
**Subject:** RE: Request for Comment - Hyperion Solar Development

Good day

Did you lodge your application in terms of Section 53?. If yes please send me your reference number so that I can check if the application has been finalised.

Kind Regards

## Mmboneni Mutheiwana

Mineral Regulation

Tel : 053 807 1707

Email :

[MMboneni.Mutheiwana@dmr.gov.za](mailto:MMboneni.Mutheiwana@dmr.gov.za)

Website :



**mineral resources**

Department:  
Mineral Resources  
**REPUBLIC OF SOUTH AFRICA**

---

**From:** Savannah Environmental Public Process [<mailto:publicprocess@savannahsa.com>]  
**Sent:** Wednesday, 21 November 2018 7:24 AM  
**To:** Mmboneni Mutheiwana  
**Subject:** Request for Comment - Hyperion Solar Development  
**Importance:** High

Dear Kevin,

With reference to the attached notification letter in regards to the Hyperion Solar Development projects, we noted that we have not yet received written comment on the Scoping Report for public review from the Department of Mineral Resources.

This e-mail serves as a reminder that the comment period for the above mentioned project ends on **Monday, 26 November 2018.**

It would be appreciated if you can submit written comment before or on **Monday, 26 November 2018** by close of business.

Should you not have any comments, please inform us accordingly.



## **environmental affairs**

Department:  
Environmental Affairs  
**REPUBLIC OF SOUTH AFRICA**

Private Bag X 447 · PRETORIA · 0001 · Environment House · 473 Steve Biko, Arcadia · PRETORIA  
Tel (+ 27 12) 399 9372

**DEA Reference:** 14/12/16/3/3/2/1110

**Enquiries:** Mr Thando Booï

**Telephone:** (012) 399 9387 **E-mail:** TBooi@environment.gov.za

Jo-Anne Thomas  
Savannah Environmental (Pty) Ltd  
P.O. Box 148  
**SUNNINGHILL**  
2157

Telephone Number: (011) 656 3237  
Email Address: joanne@savannahsa.com

### **PER E-MAIL / MAIL**

Dear Ms Thomas

### **COMMENTS ON THE DRAFT SCOPING REPORT FOR THE PROPOSED HYPERION SOLAR DEVELOPMENT 2, NORTHERN CAPE PROVINCE**

The application form and draft Scoping Report (SR) dated October 2018 as received by this Department on 26 October 2018 refers.

This Department has the following comments on the abovementioned application:

#### **Activities applied for:**

- Please ensure that the relevant sub activity in item 11(ii) of GN 983 of EIA regulations of 2014 as amended is cited correctly.
- Please provide the quantity of dangerous goods that will be stored and handled on site.
- Explain why item 24(ii) of GN 983 of EIA Regulations of 2014 as amended is triggered by this project considering the fact that the roads to be constructed are below the thresholds that trigger this activity.

#### **Alternatives**

- Please provide a description of the identified alternatives for the proposed activity that are feasible and reasonable, including the advantages and disadvantages that the proposed activity or alternatives will have on the environment and on the community that may be affected by the activity as per Appendix 2, (2) (1) (g) (i-xi), of GN R.982 of 2014, as amended.
- Alternatively, you should submit written proof of an investigation and motivation if no reasonable or feasible alternatives exist as per the requirements of Appendix 2, (2) (1) (g) (x).

#### **Impacts Assessment**

This Department requests the EAP to familiarise themselves with the requirements of Appendix 2 of GNR 982 of the EIA Regulations, 2014 (as amended) and ensure that the final SR submitted to this Department for consideration meets the requirements in terms of identifying, assessing and providing mitigation measures of the impacts on the alternatives and preferred site.

### **Environmental Sensitivity Map**

It has been noted on the sensitivity map provided in the draft report (Figure 1) that there is a heritage site and river buffer overlapping in the development area. Therefore, you are requested to provide a sensitivity map that consider the following:

- A sensitivity layout plan overlaid by the sensitive features and the buffer zones i.e. wetland, showing the location of the proposed and existing structure. Please ensure all features are clearly indicated on the legend of the sensitivity layout plan.
- Please ensure that the PV structures are positioned and numbered on the plan, taking into consideration the sensitive features and the buffer zones.

### **Public Participation Process**

- Please ensure that all issues raised and comments received during the circulation of the SR from the registered I&APs and organs of state which have jurisdiction (including this Department's Biodiversity Section) in respect of the proposed activity are adequately addressed in the final SR.
- Please provide a translation of the comments that are provided in Afrikaans to English.
- Proof of correspondence with the various stakeholders must be included in the final SR, should you be unable to obtain comments, proof of the attempts that were made to obtain comments must be submitted to the Department.
- The Public Participation Process must be conducted in terms of Regulations 39, 40, 41, 42, 43 & 44 of the EIA Regulations 2014, as amended.

### **General Comments**

You are further reminded that the final SR to be submitted to this Department must comply with all the requirements in terms of the scope of assessment and content of Scoping Reports in accordance with Appendix 2 and Regulation 21(1) of the amended EIA Regulations, 2014.

Further note that in terms of Regulation 45 of the EIA Regulations 2014, this application will lapse if the applicant fails to meet any of the timeframes prescribed in terms of these Regulations, unless an extension has been granted in terms of Regulation 3(7).

You are hereby reminded of Section 24F of the National Environmental Management Act, Act No 107 of 1998, as amended, that no activity may commence prior to an environmental authorisation being granted by the Department.

Yours faithfully



**Mr Sabelo Malaza**

**Chief Director: Integrated Environmental Authorisations**

**Department of Environmental Affairs**

**Signed by: Ms Olivia Letlalo**

**Designation: Control Environmental Officer: Strategic Infrastructure Developments**

**Date: 19/11/2018**

cc:	Matteo Brambilla	Cyraguard (Pty) Ltd	Tel: (021) 418 3940	Email: d.pasi@bulidingenergy.it
	Bryan Fischer	Northern Cape (DENC)	Tel: (054) 307 7431	Email: BFisher@ncpg.gov.za
	Thusoeng Itumeleng	Gamagara Local Municipality	Tel: (053) 723 6000	Email: clementine@gamagara.gov.za



## water & sanitation

Department:  
Water and Sanitation  
REPUBLIC OF SOUTH AFRICA

Northern Cape Region  
Lower Orange Water Management Area  
Private Bag X5912, Upington, 8800  
Tel: (054) 338-5800, Fax: (054) 334-0205, [www.dwa.gov.za](http://www.dwa.gov.za)

F 054 334 0205 C.Schwartz  
E [SchwartzC@dws.gov.za](mailto:SchwartzC@dws.gov.za) 054 338 5800

Savannah Environmental  
First Floor, Block 2  
5 Woodlands Drive Office Park,  
Cnr of Woodlands Drive & Western Service Road  
Woodmead  
2191

**Attention: Sir/Madam**

### **ENVIRONMENTAL IMPACT ASSESSMENT AND PUBLIC PARTICIPATION PROCESS FOR THE DEVELOPMENT OF FOUR (4) SEPARATE PHOTOVOLTAIC (PV) SOLAR ENERGY FACILITIES AND INFRASTRUCTURE ON THE REMAINING EXTENT OF THE FARM LYNDOCH 432 SITUATED 16KM NORTH OF KATHU IN THE NORTHERN CAPE PROVINCE.**

The Department of Water & Sanitation (DWS) hereby acknowledges receipt of the Environmental Impact Assessment and Public Participation Process for the development of four (4) separate photovoltaic (PV) solar energy facilities and infrastructure on the remaining extent of the Farm Lyndoch 432, situated 16km north of Kathu in the Northern Cape province. The Department takes note of the proposed activity and therefore provides the following comments:

- Altering the bed, banks, course or characteristics of a watercourse has been identified as a water use in term of the National Water Act (Act 36 of 1998) and carrying out of such activity will need a Water Use Authorisation in terms of the above mentioned act.
- A Stormwater Management Plan must be developed for the four (4) sites.
- Please report pollution incidents of any hazardous materials to this Department immediately.
- Please take note that engaging in any water use activities without authorisation from the Department is unlawful.
- All sewage and wash water, as well as any waste generated during the construction phase of the facilities will be collected, contained and disposed of at the permitted and / or licensed facilities.

Please feel free to contact this department, should there be any enquiries.

Yours sincerely,

  
.....  
**PROVINCIAL HEAD: NORTHERN CAPE OPERATIONS**

DATE: 23/11/2018



**NATIONAL DEVELOPMENT PLAN**  
Our Future - make it work





## water & sanitation

Department:  
Water and Sanitation  
REPUBLIC OF SOUTH AFRICA

Northern Cape Provincial Operations, Private Bag X6101, Kimberley 8300; 28 Central Road, Beaconsfield, Kimberley, 8301

(053) 830 8825	F.A. Magonono
<a href="mailto:magononof@dws.gov.za">magononof@dws.gov.za</a>	(053) 836 7656
	Nomispark/D41K

### Cyraguard (Pty) Ltd

P.O Box 148  
Sunninghill  
2157

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

### By Email/Registered Mail

Attention: Nicolene Venter

**RE: SCOPING REPORT AND ENVIRONMENTAL IMPACT ASSESSMENT REPORT FOR THE PROPOSED DEVELOPMENT OF HYPERION SOLAR PHOTOVOLTAIC (PV) 2 SOLAR ENERGY FACILITY AND ASSOCIATED INFRASTRUCTURES NEAR KATHU ON THE REMAINING EXTENT OF THE FARM LYNDOKH 432 LOCATED WITHIN GAMAGARA LOCAL MUNICIPALITY, NORTHERN CAPE PROVINCE.**

Reference is hereby made to the Scoping Report and Environmental Impact Assessment Report for the proposed development of Hyperion Solar Photovoltaic (PV) 2 Solar Energy facility and associated infrastructures within the above-mentioned property near Kathu by Savannah Environmental Consulting on behalf of Cyraguard (Pty) Ltd as submitted to the Department of Water and Sanitation, received on the 19 November 2018.

The above mentioned reports were received and evaluated by the Department as it is our mandate according to the National Water Act, 1998 (Act 36 of 1998) to comment on such proposed activities.

### RECOMMENDATIONS AND DECISION

As mentioned in the reports submitted, the Department takes note that the proposed activity at the above mentioned property will include the development of Hyperion Solar Development and associated infrastructures. The area falls within the D41K quaternary catchment in the Molopo Catchment of the Vaal Catchment Management Agency. After carefully considering, evaluating and reviewing of the submitted Scoping Report and Environmental Impact Assessment Report the Department has the following comments:



**NATIONAL DEVELOPMENT PLAN**  
*Our Future - make it work*



**RE: SCOPING REPORT AND ENVIRONMENTAL IMPACT ASSESSMENT REPORT FOR THE PROPOSED DEVELOPMENT OF HYPERION SOLAR DEVELOPMENT 3 AND ASSOCIATED INFRASTRUCTURES NEAR KATHU ON THE REMAINING EXTENT OF THE FARM LYNDOKH 432 LOCATED WITHIN GAMAGARA LOCAL MUNICIPALITY, NORTHERN CAPE PROVINCE.**

- a) It appears that the nature of activities the applicant is proposing to engage in has potential impacts on the environment and water resources, as the area proposed for the solar energy development and associated activities has an episodic Vlermuisleegte River and a depression wetland.
- b) The Department rates all perennial and non-perennial streams together with all dry river beds and natural drainage, pans, wetlands and associated riparian areas extremely sensitive to development;
- c) No activity (this including drilling) may occur within the 1:100 year flood line of a river/drainage lines (perennial/non-perennial river) and 500 m of a pan/wetland without an authorisation from this Department;
- d) Your client is advised to consider the alternative 2 for the construction of access road, since alternative 1 has episodic Vlermuisleegte River.
- e) No water should be abstracted from underground (boreholes) and stream or any other water resources for both construction and operational phases of the solar power development and related activities without a proper authorisation from this Department;
- f) Note that the proposed activities require a water use authorisation from this Department in terms of Section 40 of the National Water Act, 1998 (Act 36 of 1998). The authorisation application can be lodged electronically via the Electronic Water Use Licence Application and Authorisation System (EWULAAS – [www.dws.gov.za/ewulaas](http://www.dws.gov.za/ewulaas)).
- g) It is projected that the proposed activities could trigger the following water uses in terms of National Water Act, 1998 (Act. 36 of 1998): Section 21 (a); (c), (g) and (i); as well a GN704 Exemption;
- h) Your client is therefore advised to apply and obtain the water use authorisation prior to commencement of the proposed activities. The applicant should send the intent to apply for a water use authorisation to the Department. Note that this Department will **not** accept any water use licence application without a proper pre-application;
- i) A pre-consultation meeting and site inspection has to be arranged with the Department to advise on the water uses that are triggered by the activity which require authorisation and relevant reports (including studies that need to be conducted before submission of the complete application to Department);
- j) Please note that should the applicant decide to conduct any activities within 500 m of the buffer zone of pans/wetland or within 1:100 years floodline, a risk matrix has to be conducted by an Aquatic Specialist (registered with SACNASP as a professional member) and submitted to the Department in order to determine the impacts of the proposed activities on the watercourse. This activity will trigger with Section 21 (c) and (i) water uses in terms of the National Water Act, 1998 (Act no.36 of 1998). This information will assist the Department to decide on the type of water use authorisation requirements for the proposed activities;

**RE: SCOPING REPORT AND ENVIRONMENTAL IMPACT ASSESSMENT REPORT FOR THE PROPOSED DEVELOPMENT OF HYPERION SOLAR DEVELOPMENT 3 AND ASSOCIATED INFRASTRUCTURES NEAR KATHU ON THE REMAINING EXTENT OF THE FARM LYNDOKH 432 LOCATED WITHIN GAMAGARA LOCAL MUNICIPALITY, NORTHERN CAPE PROVINCE.**

- k) Section 19 & 20 of the National Water Act, 1998 (Act No.36 of 1998) should be adhered to;
- l) The construction camp shall not be located within the 1:100 year flood line or within 100 meters whatever is the greatest from any watercourse. Operation and storage of equipment within the riparian zone must be limited as far as possible.
- m) Stormwater Management Plan, Geohydrological Report, Rehabilitation Plan and Public Participation report must form part of water use licence application documents.
- n) Aquatic/wetland delineation report study must include the Present Ecological State (PES), Ecological Importance and Sensitivity (EIS) and Recommended Ecological Class (REC) the area.
- o) The EIA must clearly show the methods for collecting, storing, transporting and finally disposing of all waste products produced as well as the responsible and accountable persons. This includes written consent from the relevant accredited waste disposal site/ sewage disposal/ oil disposal in handling the waste. All applicable sections of the National Environmental Management: Waste Act 59 of 2008 should be strictly adhered to;
- p) The disposal of general waste and that of hazardous waste must be carried out in an environmentally safe way as to prevent and/or minimise the potential for pollution of water resources and collection of which should be done by an accredited waste collector. All applicable Sections of the National Environmental Management: Waste Act 59 of 2008 should be strictly adhered to;
- q) The EIA must clearly identify all risks that are associated with the project that can affect the water resources in and around the project area and state all implementable measures to prevent and respond to accidents and abnormal events that may occur.
- r) The EIA must clearly show through a responsibility matrix and organogram the responsible persons for implementing the mitigation measures and reporting lines, in the event of an accident.

The Department has no objections to this activity, provided the applicant has provided proof of adherence to the above mentioned recommendations and addressed all issues contained in this letter.

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

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



RE: SCOPING REPORT AND ENVIRONMENTAL IMPACT ASSESSMENT REPORT FOR THE PROPOSED DEVELOPMENT OF HYPERION SOLAR DEVELOPMENT 3 AND ASSOCIATED INFRASTRUCTURES NEAR KATHU ON THE REMAINING EXTENT OF THE FARM LYNDCH 432 LOCATED WITHIN GAMAGARA LOCAL MUNICIPALITY, NORTHERN CAPE PROVINCE.

You may contact the Department should you have any enquiries.

Yours sincerely

*Mokhoantle*

PP

DIRECTOR INSTITUTIONAL ESTABLISHMENT: VAAL WMA

LETTER SIGNED BY: MOKHOANTLE LERATO

DESIGNATION: CONTROL ENVIRONMENTAL OFFICER

DATE: 26/11/2018  
*plm*

Our Ref:



an agency of the  
Department of Arts and Culture

T: +27 21 462 4502 | F: +27 21 462 4509 | E: [info@sahra.org.za](mailto:info@sahra.org.za)  
South African Heritage Resources Agency | 111 Harrington Street | Cape Town  
P.O. Box 4637 | Cape Town | 8001  
[www.sahra.org.za](http://www.sahra.org.za)

Enquiries: Natasha Higgitt  
Tel: 021 462 4502  
Email: [nhiggitt@sahra.org.za](mailto:nhiggitt@sahra.org.za)  
CaseID: 12966

Date: Monday November 19, 2018  
Page No: 1

## Interim Comment

In terms of Section 38(3), 38(8) of the National Heritage Resources Act (Act 25 of 1999)

Attention: Cyraguard (Pty) Ltd

**Project Name: Hyperion Solar Development 2 Applicant: Hyperion Cyraguard (Pty) Ltd Proposed Activity: The construction of a photovoltaic (PV) solar energy facility (SEF) with a contracted capacity of up to 75MW. The development footprint will be ~180ha and will include the following infrastructure:**

- » Arrays of PV panels with a capacity of up to 75MW.
- » Mounting structures to support the PV panels.
- » Cabling between the project components, to be laid underground where practical.
- » On-site inverters.
- » An on-site substation to facilitate connection between each solar energy facility and the Eskom grid.
- » A new 132kV overhead power line (OHPL) between the on-site substations and the Eskom grid connection point (to be assessed in a separate Basic Assessment process).
- » Battery storage mechanism with a storage capacity of up to 300MWh.
- » Water purification plant.
- » Site Offices and Maintenance Buildings, including workshop areas for maintenance and storage.
- » Batching plant.
- » Temporary laydown areas.
- » Internal access roads and fencing around the development area.

The applicant is furthermore proposing to either upgrade the existing T26 gravel road or construct a new access road of the T25 gravel road which will provide access to the project site via the N14. Location: The Remaining Extent of the Farm Lyndoch 432 is situated ~16km north of Kathu in the Northern Cape Province. The proposed projects fall within the jurisdiction of the Gamagara Local Municipality and within the greater John Taolo Gaetsewe District Municipality. Environmental Impact Assessment Process: In terms of Sections 24 and 24D of the National Environmental Management Act (No 107 of 1998), as read with Government Notice R324 – R327, as amended, a Scoping and Environmental Impact Assessment (EIA) is required for each solar energy facility (SEF). Savannah Environmental is undertaking the required environmental assessment and public participation process for each project.

Savannah Environmental (Pty) Ltd has been appointed by Cyraguard (Pty) Ltd to conduct an Environmental Authorisation (EA) Application process for the proposed Hyperion Solar Development 2, near Kathu, Northern Cape Province. A draft Scoping Report (DSR) has been completed in terms of the National Environmental Management Act, 1998 (NEMA) and the 2017 NEMA Environmental Impact Assessment (EIA) Regulations. The proposed development will include the construction of an array of PV panels with a generation capacity of up to 75 MW, mounting structures for the PV panels, electrical infrastructure, on-site substation, powerline, cabling, energy storage area, access roads, batching plant, water purification plant, control building, offices, and temporary laydown area.



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Department of Arts and Culture

T: +27 21 462 4502 | F: +27 21 462 4509 | E: [info@sahra.org.za](mailto:info@sahra.org.za)  
South African Heritage Resources Agency | 111 Harrington Street | Cape Town  
P.O. Box 4637 | Cape Town | 8001  
[www.sahra.org.za](http://www.sahra.org.za)

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

*Orton, J. 2018. Scoping Heritage Impact Assessment: Proposed Hyperion Solar Development 2, Lyndoch 432/REM, Kuruman District, Northern Cape.*

The field survey and scoping assessment showed that the proposed development area contains very few heritage resources such as light scatters of Stone Age lithics, mostly located in areas where gravels are located. It appears that the gravel was imported to surface the road. One broken bifacial “*Still Bay*” point was identified. Most of the identified Stone Age lithics are from the Middle Stone Age (MSA) while the Early Stone Age (ESA) and Later Stone Age (LSA) lithics are absent, which is in contrast to the dominant site type of the area. Several graves were identified within the development footprint but will not be directly impacted.

Recommendations include adhering to the 50 m buffer around the Vlermuisleegte as recommended by Dr Almond to avoid chance finds of fossil localities which has been included into a larger heritage buffer as part of the current project design. Alternative 1 for the access road is preferred. Further assessment of the potential impacts to heritage will be conducted during the EIA phase. Additional preliminary recommendations provided in the report include the following:

- A chance finds procedure for fossils should be incorporated into the EMP for the project;
- Once geotechnical work has been done on the site an archaeologist should be appointed to conduct test excavations and sampling of the archaeology in areas where gravel will be intersected. This work should aim primarily to understand the distribution of archaeology on the landscape, although if any dense archaeology is encountered it may be necessary to expand excavations; and
- If any fossils, archaeological material or human burials are uncovered during the course of development then work in the immediate area should be halted. The find would need to be reported to the heritage authorities and may require inspection by an archaeologist. Such heritage is the property of the state and may require excavation and curation in an approved institution

*Almond, J. E. 2018. Palaeontological Heritage Desktop Input: Hyperion Solar Development 2 near Kathu, Northern Cape.*

The development footprint is underlain by the Kalahari Group Late Cenozoic continental sediments and Mokolanen Formation calcretes. Overlying these formations are the gravels of the Obobogorop Formation and

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South African Heritage Resources Agency | 111 Harrington Street | Cape Town  
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[www.sahra.org.za](http://www.sahra.org.za)

Enquiries: Natasha Higgitt  
Tel: 021 462 4502  
Email: [nhiggitt@sahra.org.za](mailto:nhiggitt@sahra.org.za)  
CaseID: 12966

Date: Monday November 19, 2018  
Page No: 3

red Kalahari aeolian sands of the Gordonia Formation. The watercourse (Vlermuisleegte) that runs through the property is associated with substantial calcrete deposits that may include palaeo-vlei or pan deposits and alluvial gravels, which may contain Quaternary mammal remains, trace and plant fossils similar to those recorded at Kathu Pan.

Recommendations provided in the report include that the 120 m buffer around the Vlermuisleegte is to be adhered to and a chance finds protocol is to be followed should any fossils be uncovered during the construction phase.

### Interim Comment

The SAHRA Archaeology, Palaeontology and Meteorites (APM) Unit notes the submitted Heritage Scoping Report and Palaeontological assessment and awaits the pending HIA.

The Final Scoping report and the draft EIA with associated appendices must be uploaded to the case when available for public review before further comments are issued.

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

Yours faithfully

---

Natasha Higgitt  
Heritage Officer  
South African Heritage Resources Agency

Our Ref:



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Department of Arts and Culture

T: +27 21 462 4502 | F: +27 21 462 4509 | E: [info@sahra.org.za](mailto:info@sahra.org.za)  
South African Heritage Resources Agency | 111 Harrington Street | Cape Town  
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[www.sahra.org.za](http://www.sahra.org.za)

Enquiries: Natasha Higgitt  
Tel: 021 462 4502  
Email: [nhiggitt@sahra.org.za](mailto:nhiggitt@sahra.org.za)  
CaseID: 12966

Date: Monday November 19, 2018  
Page No: 4

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

---

**ADMIN:**

Direct URL to case: <http://www.sahra.org.za/node/512522>

LANDOWNERS

## Savannah Environmental Public Process

---

**From:** Schalk Burger <pnpvoerkrale@gmail.com>  
**Sent:** 30 October 2018 7:06 AM  
**To:** publicprocess@savannahsa.com  
**Subject:** Lyndoch solar facility access road

Good day

We have received documentation regarding the proposed access road to Lyndoch solar facility. Our farms, Oupos and Uitkoms, are some of the farms that will be influenced by option 2 access road.

In option 2, the road is proposed to meet T25 at a sharp (almost 90 degrees) bend. Taking into consideration that T25 already has very high traffic, the proposed road in option 2 will be hazzardous. An entrance can't be made on that sharp bend, since you don't have a clear view of oncoming traffic on the other side of the bend. Traffic also moves quite fast on that part of the road.

Thus we strongly oppose to option 2 access road to Lyndoch solar facility using T25.

Regards

Schalk Burger (Farm Oupos)  
0825704488

## Savannah Environmental Public Process

---

**From:** Nicolene Venter <nicolene@savannahsa.com>  
**Sent:** 28 November 2018 7:09 AM  
**To:** jurie.nel@angloamerican.com  
**Cc:** 'Savannah Environmental Public Process'; 'Shaun Taylor'  
**Subject:** Hyperion Solar Developments 1,2,3&4: : Acknowledgement of Comment (J Nel)

Hi Jurie,

Thank you for your comments below as submitted on the Scoping Report.

Responses to the comments / concerns raised will be fully addressed in due course.

**Nicolene Venter**

Public Participation & Social Consultant | Savannah Environmental (Pty) Ltd  
Tel: +27 (0)11 656 3237 | Fax: +27 (0)86 684 0547

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---

**From:** Nel, Jurie [<mailto:jurie.nel@angloamerican.com>]  
**Sent:** 26 November 2018 11:01 AM  
**To:** [publicprocess@savannahsa.com](mailto:publicprocess@savannahsa.com)  
**Subject:** Hyperion Solar Development 1-4

Nicolene,

Farm owner adjacent to the Hyperion project Uiterwijk Familie Trust on farm Eidon and Westfield the following questions/concerns:

1. WATER CONSUMPTION. What is the quality of the water needed the source thereof and the consumption per development and in total. There is very little quality underground water available in this area,
2. VEGETATION. It is understood from your documentation that the 180 ha per development of the construction area will be landscaped to enable construction which means the area will be a barren plain. Please supply your rehab plan with the type and specie of vegetation planned to revegetate this barren area immediately after construction and the maintenance plan to keep vegetation under control during the lifespan of the project. The rehab plan after the economic lifespan of the to enable further usage of the land. Dust generation as well as wind erosion in this arid area especially downwind in the westerlies should also be a concern,
3. LIGHT POLLUTION. Lighting needed for maintenance and security should be at very low levels given the surrounding land usage. The infrared range for security purposes should be a priority. Please supply your design values for the lighting levels pre and after construction for the affected areas,
4. MAINTENANCE AND CONTROL OF UNUSED LAND OR NON DEVELOPEMENT3-4 AND PERIMETER FENCING OF TOTAL PROPERTY. The change in land use leave a concern about the type of outside fencing to be erected and the maintenance there of. Please supply detail of fencing and the maintenance plan?,
5. ACCESS ROAD AND CONTROL. The type of road paved/unpaved and the access/control point to this road need to be spelled out.

Regards,

Jurie Nel



## Savannah Environmental Public Process

---

**From:** Nicolene Venter <nicolene@savannahsa.com>  
**Sent:** 27 November 2018 3:31 PM  
**To:** kv@coatings.co.za  
**Cc:** ecee.solar@vodamail.co.za; johann.hgr@gmail.com; alvhvla@gmail.com; 'Shaun Taylor'; 'Savannah Environmental Public Process'  
**Subject:** Hyperion PVs 1,2,3&4: Acknowledgement of Comment (Karl van Heerden)

Dear Karl,

**DEA Ref.Nos.: 14-12-16-3-3-2-1109 (Hyperion 1); 14-12-16-3-3-2-1110 (Hyperion 2); 14-12-16-3-3-2-1111 (Hyperion 3) and 14-12-16-3-3-2-1112 (Hyperion 4)**

This e-mail serves to acknowledge receipt of your comments on the Scoping Reports for the four (4) above-mentioned projects.

Please note that responses to your comments / concerns raised will be addressed in due course and that these comments will also be captured in the Comments and Responses Report that forms part of the Scoping Report that will be submitted to the Department of Environmental Affairs.

Kind regards,

**Nicolene Venter**

Public Participation & Social Consultant | Savannah Environmental (Pty) Ltd  
Tel: +27 (0)11 656 3237 | Fax: +27 (0)86 684 0547

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---

**From:** Karl vanHeerden [<mailto:kv@coatings.co.za>]  
**Sent:** 26 November 2018 1:52 PM  
**To:** 'Savannah Public Process' <[publicprocess@savannahsa.com](mailto:publicprocess@savannahsa.com)>  
**Cc:** 'ecee.solar@vodamail.co.za' <[ecee.solar@vodamail.co.za](mailto:ecee.solar@vodamail.co.za)>; 'johann.hgr@gmail.com' <[johann.hgr@gmail.com](mailto:johann.hgr@gmail.com)>; 'alvhvla@gmail.com' <[alvhvla@gmail.com](mailto:alvhvla@gmail.com)>  
**Subject:** RE: Reminder: Hyperion Solar Notification of Availability of Scoping Report for public review

Hi Rozanne

I have focused mostly on Hyperion 1 as this is adjacent to the farm Saasveld (Portion 1 of Lyndoch).

What you will find below is some of my personal observations, as well as feedback to the specific reports.

Please see below our comments:

1. Access road: In the 1:50,000 topographic map (map section) it shows proposed Access road 1 at Cowley farm to run in the Vlermuisleepte, this road however always runs on the western edge of the laagte in mostly gravel soil. Trying to make it straight from leaving the N14 as per the map will leave you in very thick sand as well as encountering some big Camel thorn trees. You will have to follow the current route.

2. The access road to the Hyperion sites is also the access road to Lyndoch portion 1 and needs to be clearly identified as an access road with guaranteed access.

3. Currently the farms Cowley, Soetdoring, Lyndoch and Lyndoch portion 1 most possibly houses less than 80 people. At the peak of construction it is noted that there will be up to 500 workers on-site. Nowhere in the scoping reports is public

safety addressed. How will the developers ensure the safety of the current occupants and well as focus on live-stock / game losses? Minimum requirement will be a security check point to be erected at the N14 turn-off onto the access road.

4. The border of Hyperion 1 (as well as the others) will need a proper fire-break between the farm Lyndoch and surrounding farms.

5. On the farm Saasveld (Lyndoch portion 1), there is an existing ground dam wall constructed across Vlermuisleegte. I have never seen this dam full, but it's collection flood plain should be considered. Situated about 3/4 the distance from where it enter portion 1 to where it exits.

6. Note: At the rocky outcroppings in Vlermuisleegte on the farm Lyndoch water does collect in very good rainy seasons.

**7. One concern that I do not see adequately addressed in the TerraAfrica scoping report is that of wind-erosion around the bases of the solar structures, this is a very sandy soil that needs vegetation to hold it together.** See note on 5.1 page 16: "Any area where top-soil will be stripped for construction purposes..... From the nature of this development there will be severe damage to the topsoil with heavy machinery in the construction phase.

8. The TerraAfrica scoping report also do not refer to the control of run-off water from the collectors, although it is mentioned in the Watercourse assessment. For the same reason water-run from the collectors need to be properly addressed to minimise erosion and subsequent damage to the access road. This area is prone to heavy thunderstorms and down-pours, rather than to soft penetrating rain.

9. On the point of visibility and glare, you might need to consider where the N14 direction Kuruman to Kathu crosses the Kuruman heuwels (10km outside of Kuruman).The road here is quite elevated crossing the ridge and glare / visibility might be a concern in the early morning (line of sight).

10. As you leave the Lyndoch homestead travelling past the pigeon cages towards the Hyperion 1 site at the first (double) gate, there is quite a big thorny bush on the left. In this bush is a grave which might be waypoint 1157.

11. In the heritage report, page 24 it refers to two farm-houses on the access road. However, the farmhouse on the very first farm (Cowley), is a lime-stone house that must be one of the first houses in the area and therefore of significance as well as the outside garage which fell into dis-repair. The third house on the farm Sophiasmoed is not mentioned at all (on the east side of the access road, directly adjacent to the road). Should be close to way-point 1204.

12. On the farm Saasveld (Lyndoch portion 1), there is a corrugated steel structure (stoor) that could possibly in the future be converted to a house. This is located in the triangle where the Vlermuisleegte enters and exits the farm Saasveld. This structure is not mentioned in the scoping report.

13. In the Avifaunal report it is mentioned that Secretary bird and vultures were not seen, they are however endemic to this area, and have been spotted on the farm Saasveld.

Then lastly, all the impact studies refer to the 4 development clusters in isolation, therefore each time minimal impact is observed. In the back-ground document it is stated that each facility is anticipated to be 180ha in extent, that will result in 720ha of development which is no longer insignificant.

I would like to see a combined summary which then classifies if the 4 clusters (of 75Mw combined) is still considered of minimum impact on the Avifaunal, Visual impact, Soil and Land use as well as the Fauna and Flora scoping reports.

Some of the reports also mentioned it being a "desk-top" report, I believe that more in-depth studies will follow.

Best regards

Karl L van Heerden  
on behalf of SAASVELD Boerdery.

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

**Sent:** 26 November 2018 06:56

**Subject:** Reminder: Hyperion Solar Notification of Availability of Scoping Report for public review

Dear Stakeholder,

With reference to the attached notification letter and emails below, this email serves as a reminder that the comment period ends **Today, Monday the 26th of November 2018**.

Kindly submit your comments **Today, Monday the 26th of November 2018** by close of business.

Thank you and kind regards,

**Rozanne Els**

Public Participation Co-ordinator | Savannah Environmental (Pty) Ltd

Tel: +27 (0)11 656 3237 | Fax: +27 (0)86 684 0547

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> From: Savannah Public Process <[publicprocess@savannahsa.com](mailto:publicprocess@savannahsa.com)>  
> Date Sent: 23/11/2018 07:32  
> To:  
> Cc:  
> Subject: FW: Reminder: Hyperion Solar Notification of Availability of Scoping Report for public review  
>

Dear Stakeholder,

With reference to the attached notification letter and email below, this email serves as a reminder that the comment period ends on **Monday, 26 November 2018**.

Kindly submit your comments on or before **Monday, 26 November 2018** by close of business.

Thank you and kind regards,

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> From: Savannah Public Process  
> Date Sent: 16/11/2018 09:47  
> To:  
> Cc:  
> Subject: FW: Reminder: Hyperion Solar Notification of Availability of Scoping Report for public review  
>

Dear Stakeholder,

With reference to the attached notification letter and email below, this email serves as a reminder that the comment period ends on **Monday, 26 November 2018**.

Kindly submit your comments on or before **Monday, 26 November 2018** by close of business.

Thank you and kind regards,

**Rozanne Els**

Public Participation Co-ordinator | Savannah Environmental (Pty) Ltd  
Tel: +27 (0)11 656 3237 | Fax: +27 (0)86 684 0547

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> From: Savannah Public Process  
> Date Sent: 26/10/2018 13:13  
> To:  
> Cc:  
> Subject: FW: Hyperion Solar Notification of Availability of Scoping Report for public review  
>

Dear Stakeholder,

The development of four (4) separate photovoltaic (PV) solar energy facilities (SEFs) as well as associated infrastructure are being proposed on the Remaining Extent of the Farm Lyndoch 432 situated ~16km north of Kathu in the Northern Cape Province. The proposed SEFs fall within the jurisdiction of the Gamagara Local Municipality and within the greater John Taolo Gaetsewe District Municipality. These facilities will be called Hyperion Solar Development 1, 2, 3 and 4.

As a registered Interested and Affected Party (I&AP), you are hereby notified that the Scoping Report is available for review and comment. The report can be viewed at the Kathu Public Library (1 Hendrik van Eck Road, Kathu, Northern Cape Province) from **Friday, 26 October 2018 to Monday, 26 November 2018**. The report can also be downloaded from the following website: [www.savannahsa.com](http://www.savannahsa.com). A password to access the downloads page can be requested from the contact person below.

Please refer to the attached notification letter for further information.

Kind regards,

**Rozanne Els**

Public Participation Co-ordinator | Savannah Environmental (Pty) Ltd  
Tel: +27 (0)11 656 3237 | Fax: +27 (0)86 684 0547

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## Savannah Environmental Public Process

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**From:** Savannah Environmental Public Process <publicprocess@savannahsa.com>  
**Sent:** 02 November 2018 6:23 AM  
**To:** 'Karl vanHeerden'  
**Subject:** RE: HYPERION SONKRAG AANLEG, VIR AANDAG ::: NICOLENE VENTER

<b>Tracking:</b>	<b>Recipient</b>	<b>Read</b>
	'Karl vanHeerden'	Read: 02-11-2018 6:54 AM

Hi Karel,

Die wagwoord is xtO7icVg

Vriendelike Groete,

**Rozanne Els**

Public Participation Co-ordinator | Savannah Environmental (Pty) Ltd  
Tel: +27 (0)11 656 3237 | Fax: +27 (0)86 684 0547

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**From:** Karl vanHeerden [mailto:kv@coatings.co.za]  
**Sent:** 01 November 2018 3:39 PM  
**To:** 'Savannah Environmental Public Process' <publicprocess@savannahsa.com>  
**Subject:** RE: HYPERION SONKRAG AANLEG, VIR AANDAG ::: NICOLENE VENTER

Hi Nicolene,  
kan jy asseblief vir my die kode woord (pass word) vir die "Scoping Reports" op die web tuiste deur gee.

Dankie baie

Karl van Heerden

---

**From:** Savannah Environmental Public Process [<mailto:publicprocess@savannahsa.com>]  
**Sent:** 03 October 2018 15:27  
**To:** Karl vanHeerden  
**Subject:** RE: HYPERION SONKRAG AANLEG, VIR AANDAG ROZANNE ELS

Goeie Middag Karel,

Hierdie e-pos bevestig dat u gerigestreer is as 'n ge-afekteerde en beangstellende party op die projek se databasis.

Baie dankie vir u kommentaar.

Groete,

**Rozanne Els**

Public Participation Co-ordinator | Savannah Environmental (Pty) Ltd  
Tel: +27 (0)11 656 3237 | Fax: +27 (0)86 684 0547

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## INTERESTED AND AFFECTED PARTIES (I&APS)

## Rozanne Els

---

**From:** Rozanne Els <rozanne@savannahsa.com>  
**Sent:** 08 November 2018 8:13 AM  
**To:** 'Linda Burger'  
**Subject:** RE: Hyperion solar development 1

Dear Jan,

Thank you for your comments.

Please see below:

xtO7icVg

Kind Regards,

**Rozanne Els**

Public Participation Co-ordinator | Savannah Environmental (Pty) Ltd  
Tel: +27 (0)11 656 3237 | Fax: +27 (0)86 684 0547

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**From:** Linda Burger [mailto:burgerlb@gmail.com]  
**Sent:** 07 November 2018 8:29 PM  
**To:** rozanne@savannahsa.com  
**Subject:** Hyperion solar development 1

Please send me a password to download the documents for the solar development on the farm Lyndoch in the Northern Cape.

We live on the farm Oupos, next to Lyndoch.

We use the T26 more than once on a daily basis. It will be an absolute disaster if another group of heavy traffic access this gravel road. Apart from the surface of the road which will not keep up with the traffic, the dust and especially the entrance at the bend with no visibility will cause many accidents.

Jan Burger

Farm Oupos

0827721323



## Savannah Environmental Public Process

---

**From:** Linda Burger <burgerlb@gmail.com>  
**Sent:** 06 November 2018 9:15 PM  
**To:** publicprocess@savannahsa.com  
**Subject:** Hyperion Solar Development

I hereby want to object against the possible access via the T25 road. The Kathu Solar Farm project showed us how unsafe and reckless taxi- and truck drivers can be, especially on a gravel road with a lot of dust. To enter and exit the T25 from the side with a new overload of traffic will be irresponsible and totally unsafe. The gravel road produces heavy dust with very poor visibility. The construction of a new solar development will require a lot of trucks which will have to turn across the road and that will cause very high risk for accidents.

Please use the straight T26 to the sight. The T25 already carries traffic for 1 solar development, it definitely will not be able to handle a second development.

Linda Burger  
Farm Oupos  
Neighbours to Lynndoch

## Rozanne Els

---

**From:** Nicolene Venter <nicolene@savannahsa.com>  
**Sent:** 31 October 2018 4:58 PM  
**To:** langeveldria@gmail.com  
**Cc:** 'Rozanne Els'  
**Subject:** Hyperion Solar Development: Acknowledgement of Request

Dear Ria,

Thank you for your e-mail below.

You are correct, we are only in the first phase of the Environmental Impact Assessment (Scoping) and it is envisaged that the Impact phase will start in early 2019.

Your request for the team to pay your clinic a visit will be forwarded to the Applicant as we as the Environmental Assessment Practitioner will not be making use of your Company's services during the Environmental Impact Assessment (EIA) Process.

Hope you find above-mentioned response in order.

Please do not hesitate to contact us should your Company require any information at this stage of the (EIA).

Kind regards,

**Nicolene Venter**

Public Participation & Social Consultant | Savannah Environmental (Pty) Ltd  
Tel: +27 (0)11 656 3237 | Fax: +27 (0)86 684 0547

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---

**From:** Ria Langeveld [<mailto:langeveldria@gmail.com>]  
**Sent:** 29 October 2018 12:25 PM  
**To:** [publicprocess@savannahsa.com](mailto:publicprocess@savannahsa.com)  
**Subject:** RE: Hyperion Solar Development

Good Day Rozanne

We noticed the notice of Environmental Impact Assessment for Hyperion Solar Development in Northern Cape Province

We, Kalaharimed(PTY) Ltd, is a medical company, rendering Occupational Primary and Emergency Services in Kathu, Northern Cape at various mines and have an Off site clinic in Kathu, where we are performing medical examinations eq, Pre employment, Annual and Exit medicals on a daily basis.

We realized Hyperion is in the starting phase, but we want to request you to come and pay as a visit to have a look at the clinic and to contact us as soon as you need medicals to be done?

Thank you very much

Ria Langeveld – Operations Manager – Kalaharimed(PTY) Ltd  
083 661 3251



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## Rozanne Els

---

**From:** Magdalena Kataryna Michalowska <m.michalowska@buildingenergy.it>  
**Sent:** 30 October 2018 4:59 PM  
**To:** Savannah Public Process  
**Cc:** nicolene@savannahsa.com; rozanne@savannahsa.com; Janine Brasington; Magdalena Kataryna Michalowska  
**Subject:** RE: Hyperion Solar Notification of Availability of Scoping Report for public review

Hi Nicolene and Rozanne,

Please could you kindly provide me with the passwords to access the following Projects:

- Hyperion Solar Development 1
- Hyperion Solar Development 2
- Hyperion Solar Development 3
- Hyperion Solar Development 4

Regards,

Magdalena Michalowska - **Environmental, Legal Compliance Manager Africa & Middle East**

**Mob:** +27 72 212 1531- **Skype:** [m.michalowska@buildingenergy.it](mailto:m.michalowska@buildingenergy.it)

**Office:** +27 21 418 3940

**Fax:** +27 86 297 5902

Building Energy South Africa (PTY) LTD

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Heerengracht Street

Foreshore, Cape Town

8001

SOUTH AFRICA

[www.buildingenergy.it](http://www.buildingenergy.it)

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**From:** Savannah Public Process <publicprocess@savannahsa.com>

**Sent:** Friday, 26 October 2018 13:14

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

**Subject:** Hyperion Solar Notification of Availability of Scoping Report for public review

Dear Stakeholder,

The development of four (4) separate photovoltaic (PV) solar energy facilities (SEFs) as well as associated infrastructure are being proposed on the Remaining Extent of the Farm Lyndoch 432 situated ~16km north of Kathu in the Northern Cape Province. The proposed SEFs fall within the jurisdiction of the Gamagara Local Municipality and within the greater John Taolo Gaetsewe District Municipality. These facilities will be called Hyperion Solar Development 1, 2, 3 and 4.

As a registered Interested and Affected Party (I&AP), you are hereby notified that the Scoping Report is available for review and comment. The report can be viewed at the Kathu Public Library (1 Hendrik van Eck Road, Kathu, Northern Cape Province) from **Friday, 26 October 2018 to Monday, 26 November 2018**. The report can also be downloaded from the following website: [www.savannahsa.com](http://www.savannahsa.com). A password to access the downloads page can be requested from the contact person below.

Please refer to the attached notification letter for further information.

Kind regards,

**Rozanne Els**

Public Participation Co-ordinator | Savannah Environmental (Pty) Ltd  
Tel: +27 (0)11 656 3237 | Fax: +27 (0)86 684 0547

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## **Rozanne Els**

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**From:** Roxanne Mustard <RoxanneM@l2b.co.za>  
**Sent:** 28 November 2018 12:04 PM  
**To:** Rozanne Els (rozanne@savannahsa.com)  
**Subject:** Re: Hyperion Solar Development 1 - 4

Thank you so much Rozanne

Kind Regards,

Roxanne Mustard  
Regional Content Researcher  
Projects Department

Leads 2 Business ([www.L2B.co.za](http://www.L2B.co.za))  
Tel: 033 343 1130 or 0860 836337 (0860 TENDER)  
Fax: 033 343 5882

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On 2018/11/28 11:44, Rozanne Els ([rozanne@savannahsa.com](mailto:rozanne@savannahsa.com)) wrote:

Dear Roxanne,

This emails serves as a confirmation that you have been registered on the project database.

Thank you and kind regards,

**Rozanne Els**

Public Participation Co-ordinator | Savannah Environmental (Pty) Ltd

Tel: +27 (0)11 656 3237 | Fax: +27 (0)86 684 0547

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

**From:** Roxanne Mustard [<mailto:RoxanneM@l2b.co.za>]  
**Sent:** 28 November 2018 8:35 AM  
**To:** [rozanne@savannahsa.com](mailto:rozanne@savannahsa.com)  
**Subject:** Hyperion Solar Development 1 - 4

Good day Rozanne

I trust you are well.

Please may you register me as an I & AP for the following projects: Hyperion Solar Development 1 - 4.

Our interest in this project is following the project from conceptual (EIA) to completion.

Your time is greatly appreciated.

Have a great day further!

--

Kind Regards,

Roxanne Mustard  
Regional Content Researcher  
Projects Department

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