Karoshoek Concentrating Photovoltaics or Parabolic Dish (CPVPD) 1 Facility on Site 2 of the Larger Karoshoek Solar Valley Development, Northern Cape

(DEA Ref.: 14/12/16/3/3/2/292)

External Environmental Compliance Audit Report of the Environmental Management Programme (EMPr), in accordance with Regulation 54(A) of the EIA Regulations (2017)

November 2019

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REPORT DETAILS

DEA Reference No.	:	14/12/16/3/3/2/292
Environmental Assessment Practitioner (EAP)		Jo-Anne Thomas
Title	:	External Environmental Compliance Report for the proposed Karoshoek Concentrating Photovoltaics or Parabolic Dish (CPVPD) 1 Facility on Site 2 of the Larger Karoshoek Solar Valley Development, Northern Cape
Authors	:	Savannah Environmental (Pty) Ltd Lisa Opperman
Internal Review		Karen Jodas
Client	:	FG Emvelo (Pty) Ltd
Report Revision	:	Revision 0
Date	:	November 2019

When used as a reference this report should be cited as: Savannah Environmental (2019) External Environmental Compliance Report for the Karoshoek Concentrating Photovoltaics or Parabolic Dish (CPVPD) 1 Facility on Site 2 of the Larger Karoshoek Solar Valley Development, Northern Cape Province.

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DECLARATION OF INTEREST

I, Lisa Opperman, declare that:

- I act as the independent environmental auditor for the environmental compliance audit (November 2019).
- I have performed the work relating to the audit in an objective manner, even if this results in views and findings that are not favourable to the applicant.
- I declare that there are no circumstances that may compromise my objectivity in performing such work.
- I have expertise in conducting independent environmental audits, including knowledge of NEMA, the 2014 EIA Regulations (GNR 326) and any guidelines that have relevance to the activity.
- I have complied with NEMA, the 2014 EIA Regulations (GNR 326) and all other applicable legislation.
- I have no, and have not engaged in, conflicting interests in the undertaking of the audit.
- I have undertaken to disclose to the applicant and the competent authority all material information in my possession that reasonably has or may have the potential of influencing – any decision to be taken with respect to the project by the competent authority; and – the objectivity of any report, plan or document prepared by myself for submission to the competent authority.
- All the particulars furnished by me in this report are true and correct.
- I realise that a false declaration is an offence in terms of Regulation 48 and is punishable in terms of section 24F of the Act.
- I do not have and will not have any vested interest (either business, financial, personal or other) in the project other than remuneration for work performed.

Lisa Opperman (Auditor)

Signature — November 2019 Date

Karen Jodas (Internal Reviewer – SACNASP: 400106/99)

November 2019

Signature — Date

ACRONYMS AND ABBREVIATIONS

CAA	Civil Aviation Authority
CPVPD	Concentrating Photovoltaic or Parabolic Dish
DEA	Department of Environmental Affairs (National)
DENC	Department of Environment and Nature Conservation (Northern Cape)
DWS	Department of Water and Sanitation
DoE	Department of Energy
EA	Environmental Authorisation
EAP	Environmental Assessment Practitioner
ECO	Environmental Control Officer
EIA	Environmental Impact Assessment
EMPr	Environmental Management Programme
GHG	Greenhouse Gas
GIIP	Good International Industry Practise
I&AP	Interested and Affected Party
IPP	Independent Power Producer
MW	Megawatts
NEMA	National Environmental Management Act (No. 107 of 1998)
NEM:BA	National Environmental Management: Biodiversity Act (No. 10 of 2004)
NHRA	National Heritage Resources Act (No. 25 of 1999)
NWA	National Water Act (No. 36 of 1998)
O&M	Operations and Maintenance
OEMPr	Operational Environmental Management Programme
OHS	Occupational Health and Safety
SAHRA	South African Heritage Resources Agency
WEF	Wind Energy Facility
WUL	Water Use License

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APPENDICES

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Appendix B: Advertisement of submission of the Audit Report
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Appendix D: Confirmation letter on current status of the project

1. INTRODUCTION AND BACKGROUND

Savannah Environmental (Pty) Ltd has been appointed by FG Emvelo (Pty) Ltd to undertake an external environmental compliance audit and prepare an external environmental compliance audit report in accordance with the requirements of Regulation 54(a) of the EIA Regulations, 2014, as amended, for the Karoshoek Concentrating Photovoltaics or Parabolic Dish 1 Facility on Site 2 of the Larger Karoshoek Solar Valley Development, referred to as Karoshoek CPVPD 1 on Site 2, located on a site 30km east of Upington. The external environmental compliance audit was conducted to demonstrate FG Emvelo (Pty) Ltd's compliance with the EMPr applicable to the project.

1.1. Project Background

FG Emvelo (Pty) Ltd, an independent developer of solar power plants, proposes the establishment of a CPV facility using Concentrating Photovoltaic or Parabolic Dish (CPVPD) technology on Site 2, as part of the larger Karoshoek Solar Valley Development. The development site is located approximately 30km east of Upington within the Dawid Kruiper Local Municipality (previously known as Khara Hais Local Municipality), which forms part of the greater ZF Mgcawu District Municipality (previously known as Siyanda District Municipality) in the Northern Cape. Karoshoek CPVPD 1 on Site 2 is proposed on Portion 0 of Karos 959.

The proposed facility will have a generating capacity of up to 25MW and will be comprised of the following primary elements:

- The solar field comprising of Concentrating Photovoltaic or Parabolic Dish technology;
- The power block comprising of a conventional steam turbine generator and a substation into which the electricity can be evacuated;
- Water related infrastructure consisting of water supply pipelines, water treatement and storage reservoirs and evaporation ponds;
- Cables linking the power block to the on-site substation;
- Power line(s) to connect the facility to the future Eskom CSP MTS;
- Internal and external access roads;
- Accommodation facilities and storerooms; and
- Temporary waste storage facilities.

The broader area proposed for the entire Karoshoek Solar Valley Development, which includes Karoshoek CPVPD 1 on Site 2, includes the following farm portions:

- Portion 0 of Karos 959;
- Portion 3 of Annashoek 41;
- Portion 0 of Zandemm 944;
- Portion 2 of Matjiesrivier 41; and
- Remaining Extent of Matjiesrivier 41.

Karoshoek CPVPD 1 received Environmental Authorisation (EA) on 20 March 2013. The validity of the EA has been subsequently extended to 20 March 2023 (14/12/16/3/3/2/292/AM2).

2. OBJECTIVE OF THE AUDIT

The objective of this environmental audit as contained in Appendix 7 of the 2014 Environmental Impact Assessment (EIA) Regulations (GNR 326) and Regulation 54(a) is to:

- Report on:
  - The level of compliance with the conditions of the EMPr.
  - The extent to which the avoidance, management and mitigation measures provided for in the EMPr, achieve the objectives and outcomes of the EMPr.
- Identify and assess any new impacts and risks as a result of undertaking the activity.
- Evaluate the effectiveness of the EMPr.
- Identify shortcomings in the EMPr.
- Identify the need for any changes to the avoidance, management and mitigation measures provided for in the EMPr.

This Environmental Audit Report has been prepared in accordance with Appendix 7 of the 2014 EIA Regulations (GNR 326). An overview of the contents of the Environmental Compliance Audit Report, as prescribed by Appendix 7 of the 2014 EIA Regulations (GNR 326), and where the corresponding information can be found within the report is provided in **Table 1**.

Table 1: Summary of where the requirements of Appendix 7 of the 2014 EIA Regulations (GNR 326) are provided in this Environmental Compliance Audit Report.

Requirement	section
(a) Details of the – (i) Independent person who prepared the environmental audit report. (ii) Expertise of the independent person that compiled the environmental audit report.	Refer to **Section 4** Refer to **Appendix A**
(b) A declaration that the independent auditor is independent in a form as may be specified by the competent authority.	Refer to **Declaration of Interest**
(c) An indication of the scope of, and the purpose for which, the environmental audit report was prepared.	Refer to **Section 3**
(d) A description of the methodology adopted in preparing the environmental audit report.	Refer to **Section 6**
(e) An indication of the ability of the EMPr, and where applicable, the closure plan to – (i) Sufficiently provide for the avoidance, management and mitigation of environmental impacts associated with the undertaking of the activity on an on-going basis. (ii) Sufficiently provide for the avoidance, management and mitigation of environmental impacts associated with the closure of the facility. (iii) Ensure compliance with the provisions of environmental authorisation, EMPr, and where applicable, the closure plan.	Refer to **Section 10**
(f) A description of any assumptions made, and any uncertainties or gaps in knowledge.	Refer to **Section 5**
(g) A description of any consultation process that was undertaken during the course of carrying out the environmental audit report.	Refer to **Section 6**
(h) A summary and copies of any comments that were received during any consultation process.	Refer to **Section 6**

Requirement	section
(i) Any other information requested by the competent authority.	N/A

3. PURPOSE AND SCOPE

This Environmental Audit has been conducted to determine FG Emvelo (Pty) Ltd's compliance with applicable environmental management requirements, as per the requirements of Section 54(A)(3) of the EIA Regulations, GNR 326 of 2017. The scope of the Environmental Audit is confined to an assessment of those environmental management requirements contained within the project EMPr.

It must be noted that this Environmental Audit was undertaken from a desktop level based on the phase of the project (i.e. no commencement of the authorised listed activities has been undertaken to date, including construction activities).

4. OVERVIEW OF THE INDEPENDENT ENVIRONMENTAL AUDITORS

Karoshoek CPVPD 1 was initially authorised through Jo-Anne Thomas of Savannah Environmental as the Environmental Assessment Practitioner. This independent environmental compliance audit was undertaken by Lisa Opperman (refer to **Table 2**), and reviewed by Karen Jodas (refer to **Table 3**).

Table 2: Details of the Independent Environmental Auditors for this Section 54 audit report.

	Lisa Opperman
Position:	Environmental Consultant
Company:	Savannah Environmental (Pty) Ltd
Qualification:	B.Sc. (Honours) Environmental Management and Geography
Experience:	4 years and 9 months
Contact:	011 656 3237
Email:	lisa.o@savannahsa.com

Table 3: Details of the Report Reviewer.

Name:	Karen Jodas
Position:	Project Manager and Director
Company:	Savannah Environmental (Pty) Ltd
Qualification:	M.Sc in Geography (Geomorphology)
Professional Registration:	Professional Natural Scientist (400106/99) (SACNASP)
Experience:	20 years
Contact:	011 656 3237
Email:	karen@savannahsa.com

A signed Declaration of Interest confirming the auditors' independence is included in this Environmental Audit Report. CVs of the Independent Environmental Auditor and Report Reviewer are attached as **Appendix A** to this report.

5. ASSUMPTIONS AND LIMITATIONS

The following limitations are applicable to this Environmental Audit Report:

» The results of the Environmental Audit Report is limited due to the fact that Karoshoek CPVPD 1 on Site 2 is currently not operational, and no construction activities have commenced to date (i.e. no authorised activities have commenced), and therefore all the conditions contained in the EMPr relating to any development phase of the facility are not currently applicable. Commenting on the compliance of the project is therefore limited.

6. APPROACH TO CONDUCTING THE AUDIT

6.1. Pre-audit planning

Prior to undertaking the audit, the scope and objectives of the audit were determined through a review of relevant information applicable to the project.

Following the review of existing information, an audit checklist was prepared for use as a tool during the audit to identify any issues of non-compliance and / or areas where action plans may be required to be implemented to address any identified issues of concern.

The audit checklist was prepared based on the management specifications contained within the Environmental Management Programme (EMPr) for Karoshoek Concentrating Photovoltaics or Parabolic Dish (CPVPD) 1 Facility on Site 2 of the Larger Karoshoek Solar Valley Development, Revision 0 (July 2012) (DEA Reference No.: 14/12/16/3/3/2/292).

As the Karoshoek CPVPD 1 on Site 2 is currently not operational, and no construction activities have commenced to date (i.e. no authorised activities have commenced) (**Appendix D**), all the conditions contained in the EMPr relating to commencement, construction, operation and decommissioning of the facility are not currently applicable. **As such, these conditions have been omitted from the audit checklist and are not shown or reported on in this report**. Should these activities commence in future, these conditions must be included into future audit checklists and reported on within the audit.

6.2. Conducting the Audit

As no activities have commenced to date, a desktop audit was conducted of the relevant and applicable EMPr conditions only. This included a review of all information relating to the compliance of relevant EMPr pre-construction conditions.

6.3. Post Audit

Following the audit, an Environmental Compliance Audit Report was compiled in accordance with the requirements of Appendix 7 of the EIA Regulations, 2014, as amended (GNR326). A copy of this Audit Report

has been submitted to the Department of Environmental Affairs (DEA) in accordance with the requirements of Section 54(A)(3) prior to the 7th of December 2019.

7. FINDINGS OF THE AUDIT

Compliance ratings were provided for each element of the audit checklist using the 4-point rating scale described below:

Compliance status	Rating	Description of compliance
Compliant	3	Compliant with no further action required to maintain compliance
Compliant	2	Compliant apart from minor or immaterial recommendations to improve the strength internal controls to maintain compliance
Compliant	1	Compliant with major or material recommendations to improve the strength of internal controls to maintain compliance
Non-Compliant	0	Does not meet minimum requirements

Table 4 provide details of the findings of the audit.

Table 4: Audit Checklist for Compliance with the Conditions Contained in EMPr Revision 0 (July 2012) (DEA Reference No. 14/12/16/3/3/2/292).

Objective	Mitigation: Action/control	Responsibility	Timeframe	Compliance Rating (1 – 5)	Audit Finding
Ensure the facility design responds to identified environmental constraints and opportunities	Undertake a heritage pre-construction survey	Heritage specialist	Design	N/A	Action/control measure is not applicable considering the status of the project. This measure will become applicable once the project receives preferred bidder status.
	Undertake a geotechnical pre-construction survey	Geotechnical specialist	Design	N/A	Action/control measure is not applicable considering the status of the project. This measure will become applicable once the project receives preferred bidder status.
	Obtain any additional environmental permits required (e.g. water use license)	FG Emvelo	Project planning	N/A	Action/control measure is not applicable considering the status of the project. This measure will become applicable once the project receives preferred bidder status.
	Consider and incorporate design level mitigation measures recommended by the specialists as detailed within the EIA Report and relevant appendices	Engineering design consultant, solar component supplier and FG Emvelo	Design review	N/A	Action/control measure is not applicable considering the status of the project. This measure will become applicable once the project receives preferred bidder status.
	External access point and internal access road to be carefully planned to maximise road user safety.	FG Emvelo	Design	N/A	Action/control measure is not applicable considering the status of the project. This measure will become applicable once the project receives preferred bidder status.
	Compile a comprehensive surface runoff stormwater management plan for hard surfaces as part of the final design of the project. This must include appropriate means for the handling of stormwater	FG Emvelo	Design	N/A	Action/control measure is not applicable considering the status of the project. This measure will become applicable once the project receives preferred bidder status.

Objective	Mitigation: Action/control	Responsibility	Timeframe	Compliance Rating (1 – 5)	Audit Finding
	within the site, e.g. separate clean and dirty water streams around the plant, install stilling basins to capture large volumes of run-off, trapping sediments and reduce flow velocities (i.e. water used when washing the mirrors).				
	In designing the facility, use should be made of existing road infrastructure as far as possible. Where no road infrastructure exists, new roads should be placed within areas of lower sensitivity or management measures must be implemented to ensure minimum damage is caused to natural habitats.	FG Emvelo / Design engineer	Design phase	N/A	Action/control measure is not applicable considering the status of the project. This measure will become applicable once the project receives preferred bidder status.
	Roads must be designed so that changes to surface water runoff are avoided and erosion is not initiated	FG Emvelo / Design engineer	Design phase	N/A	Action/control measure is not applicable considering the status of the project. This measure will become applicable once the project receives preferred bidder status.
Ensure the selection of the best environmental option for the alignment of the power lines, pipeline and associated access roads	Select an alignment that curtails environmental impacts and enhances environmental benefits.	FG Emvelo	Prior to submission of the final construction layout plan	N/A	Action/control measure is not applicable considering the status of the project. This measure will become applicable once the project receives preferred bidder status.
	Locate the water supply pipeline and access roads within the same corridor	FG Emvelo	Prior to submission of the final construction layout plan	N/A	Action/control measure is not applicable considering the status of the project. This measure will become applicable once the project receives preferred bidder status.

Objective	Mitigation: Action/control	Responsibility	Timeframe	Compliance Rating (1 – 5)	Audit Finding
	Consider design level mitigation measures recommended by the specialists as detailed within the EIA report and relevant appendices	FG Emvelo	Design	N/A	Action/control measure is not applicable considering the status of the project. This measure will become applicable once the project receives preferred bidder status.
	Plan new access roads according to contour lines to minimise cutting and filling operations.	FG Emvelo	Design	N/A	Action/control measure is not applicable considering the status of the project. This measure will become applicable once the project receives preferred bidder status.
	Use bird-friendly power line tower and conductor designs.	FG Emvelo	Design	N/A	Action/control measure is not applicable considering the status of the project. This measure will become applicable once the project receives preferred bidder status.
	Install bird diverters/flappers on power line sections across active agricultural land and the Orange River	FG Emvelo	Design	N/A	Action/control measure is not applicable considering the status of the project. This measure will become applicable once the project receives preferred bidder status.
	As far as possible, cross the river at a right angle with power lines	FG Emvelo	Design	N/A	Action/control measure is not applicable considering the status of the project. This measure will become applicable once the project receives preferred bidder status.
To ensure effective communication mechanisms	Compile and implement a grievance mechanism procedure for the public to be implemented during both the construction and operation phases of the facility. This procedure should include details of the contact person who will be receiving issues raised by interested and affected parties, and the process that will be followed to address issues.	FG Emvelo	Pre-construction (construction procedure) Pre-operation (operation procedure)	N/A	Action/control measure is not applicable considering the status of the project. This measure will become applicable once the project receives preferred bidder status.

Objective	Mitigation: Action/control	Responsibility	Timeframe	Compliance Rating (1 – 5)	Audit Finding
	Liaison with landowners is to be undertaken prior to the commencement of construction in order to provide sufficient time for them to plan agricultural activities.	FG Emvelo Contractor	Pre-construction	N/A	Action/control measure is not applicable considering the status of the project. This measure will become applicable once the project receives preferred bidder status.
Minimise visual impacts	Consult a lighting engineer in the planning and placement of light fixtures for the plant and the ancillary infrastructure.	Project proponent or design consultant	Planning	N/A	Action/control measure is not applicable considering the status of the project. This measure will become applicable once the project receives preferred bidder status.
Minimise impact on riparian environment	Minimise the loss of riparian habitat – physical removal and replacement by hard surfaces	FG Emvelo	Planning and design	N/A	Action/control measure is not applicable considering the status of the project. This measure will become applicable once the project receives preferred bidder status.
	The placement of pump inlets and the supporting infrastructure must be planned to prevent the potential for scour/erosion and downstream sedimentation of the Orange River.	FG Emvelo	Design	N/A	Action/control measure is not applicable considering the status of the project. This measure will become applicable once the project receives preferred bidder status.
Minimise stormwater run-off and subsequent alteration of the local hydrological regime	Reduce the potential increase in surface flow velocities and the resultant impact on the localised drainage system through increased sedimentation.	FG Emvelo	Planning and design	N/A	Action/control measure is not applicable considering the status of the project. This measure will become applicable once the project receives preferred bidder status.
	Adjacent riparian habitats outside the "footprint" of the new infrastructure should be declared sensitive habitats and out of bounds. Storage dams should be lined in a suitable manner to prevent any groundwater contamination.	FG Emvelo	Planning and design	N/A	Action/control measure is not applicable considering the status of the project. This measure will become applicable once the project receives preferred bidder status.

Objective	Mitigation: Action/control	Responsibility	Timeframe	Compliance Rating (1 – 5)	Audit Finding
	Careful rehabilitation using natural riparian vegetation to stabilise the riverbanks and all disturbed areas in the riparian zone.	FG Emvelo	Post construction	N/A	Action/control measure is not applicable considering the status of the project. This measure will become applicable once the project receives preferred bidder status.
	Appropriately plan hard-engineered bank erosion protection structures.	FG Emvelo	Planning and design	N/A	Action/control measure is not applicable considering the status of the project. This measure will become applicable once the project receives preferred bidder status.
	Position the pump inlets and supporting infrastructure in such a way as to prevent the potential for scour / erosion and downstream sedimentation of the Orange River. The current placement is within an area of dense reed growth (*Phragmites australis*) and would not be considered a severe impact.	FG Emvelo	Planning and design	N/A	Action/control measure is not applicable considering the status of the project. This measure will become applicable once the project receives preferred bidder status.
	Suitable handling of stormwater within the site (i.e. clean and dirty water streams around the plant and install stilling basins to capture large volumes of run-off, trapping sediments and reduce flow velocities)	FG Emvelo	Construction and operation	N/A	Action/control measure is not applicable considering the status of the project. This measure will become applicable once the project receives preferred bidder status.

8. AUDIT RESULTS AND RECOMMENDATIONS

8.1. Overview of Audit Findings and Conclusion

Considering that Karoshoek CPVPD 1 on Site 2 is currently not operational, and no construction activities have commenced to date (i.e. no authorised activities have commenced), all the conditions contained in the EMPr relating to any development phase of the facility are not currently applicable. It is therefore not possible to comment on the compliance with these specifications until such time that the facility receives preferred bidder status under the Department of Energy's REIPPP Programme (or an alternative Power Purchase Agreement (PPA) as may be relevant) which would enable the commencement of the development phases for the project.

Based on the fact that none of the conditions contained in the EMPr are currently applicable it is not possible to calculate the overall compliance percentage of the Karoshoek CPVPD 1 on Site 2 (refer to **Table 5**). A rating of N/A (not applicable at this time) has been allocated.

Table 5: Overview of the Karoshoek CPVPD 1 on Site 2 overall compliance.

Compliance status	Rating	Description of compliance	EMPr	
			Results	%
Compliant	3	Compliant with no further action required to maintain compliance.	N/A	N/A
Compliant	2	Compliant apart from minor or immaterial recommendations to improve the strength internal controls to maintain compliance.	N/A	N/A
Compliant	1	Compliant with major or material recommendations to improve the strength of internal controls to maintain compliance.	N/A	N/A
Non-Compliant	0	Does not meet minimum requirements.	N/A	N/A
TOTAL:			**N/A**	**N/A**

9. EVALUATION OF THE EMPR

As per Appendix 7 of the EIA Regulations, GNR 326 of 2017, an external audit report must include "an indication of the ability of the EMPr to:

(i) sufficiently provide for the avoidance, management and mitigation of environmental impacts associated with the undertaking of the activity on an on going basis;
(ii) Sufficiently provide for the avoidance, management and mitigation of environmental impacts associated with the closure of the facility; and
(iii) Ensure compliance with the provisions of the EMPr;"

9.1. Ongoing impact avoidance, management and mitigation

Based on the audit outcomes and results reported above, the auditor is satisfied that the EMPr is sufficient and able to provide for the avoidance, management and mitigation of the environmental impacts associated with the undertaking of the activity on an ongoing basis, and that no further amendment or alteration to the EMPr is required in order to maintain this reliability of the EMPr. The recommendations of Chapter 10 of the EMPr regarding the inclusion of site-specific information into subsequent revisions of the EMPr must however be implemented once a final design has been completed.

9.2. Closure impact avoidance, management and mitigation

The facility has not started with any of the listed activities (i.e. no construction activities has commenced) and will therefore not be decommissioned or closed in the foreseeable future, and therefore no decommissioning activities are applicable to this audit.

9.3. Ensuring compliance with provisions of the EMPr

Based on the audit outcomes and results reported above, the auditor is satisfied that the EMPr is sufficient and able to ensure compliance with the provisions of the environmental authorisation and EMPr, and that no further amendment or alteration to the EMPr is required in order to maintain this reliability of the EMPr.

No additional impacts or risks have been identified to be associated with the undertaking of the proposed activities.

Considering that Karoshoek CPVPD 1 on Site 2 is currently not operational, and no construction activities have commenced to date (i.e. no authorised activities have commenced), all the conditions contained in the EMPr relating to any development phase of the facility are not currently applicable. It is therefore not possible to comment on the compliance with these specifications until such time that the facility receives preferred bidder status under the Department of Energy's REIPPP Programme (or an alternative Power Purchase Agreement (PPA) as may be relevant) which would enable the commencement of the development phases for the project.

10. CONCLUSIONS AND RECOMMENDATIONS

This Chapter provides an overview of the results and recommendations of the environmental audit of Karoshoek CPVPD 1 on Site 2 with the specifications of the project EMPr.

It should be noted that no non-compliances were recorded as part of the independent external environmental compliance audit. As a result, no recommendations are considered applicable.

It is the opinion of the independent auditor that EMPr Revision 0 (July 2012), and its supporting documentation sufficiently provides for the avoidance, management and mitigation of environmental impacts associated with the project, and ensures compliance with the provisions of the EA (DEA Reference No.: 14/12/16/3/3/2/292).

11. STAKEHOLDER CONSULTATION

11.1. Notification of all potential and registered interested and affected parties

In accordance with the requirements of Section 34(6) of the EIA Regulations (GNR 326 of 2017), the following consultation must form part of the audit report submission:

» Within 7 days of the date of submission of an environmental audit report to the competent authority, the holder of an environmental authorisation must notify all potential and registered interested and affected parties of the submission of that report, and make such report immediately available
  * (a) to anyone on request; and
  * (b) on a publicly accessible website, where the holder has such a website.

In order to be remain compliant with these requirements, all potential and registered interested and affected parties have been notified of the submission of the external compliance audit report by:

» The placement of an advertisement with a local newspaper, the Gemsbok Newspaper on 27 November 2019 (refer to **Appendix B**);
» Notification of all registered I&APs via email on 26 November 2019 (refer to **Appendix C**); and
» Uploading the audit report onto the Savannah Environmental website (www.savannahsa.com) for download upon request.

APPENDIX A:
CVS OF INDEPENDENT AUDITORS AND REPORT REVIEWER

1st Floor, Block 2, 5 Woodlands Drive Office Park
Woodlands Drive, Woodmead
Johannesburg, South Africa

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CURRICULUM VITAE OF LISA OPPERMAN

Profession : Environmental Assessment Practitioner and GIS Consultant

Specialisation: Environmental Impact Assessments, Basic Assessments, Site Screening and Site Selection reporting, compilation of maps through the use of ArcGIS, Social Impact Assessments

Work Experience: 4 years and 10 months of experience in the environmental management and GIS field

VOCATIONAL EXPERIENCE

Lisa Opperman has four years and 10 months of experience in the environmental field. She has worked on a variety of EIA processes including renewable energy projects, as well as industrial developments. She has also been involved in the undertaking of public participation for projects located in South Africa which has included the undertaking of public meetings, focus group meetings and key stakeholder meetings in both Afrikaans and English. She also has experience in working with ArcGIS 10 for the compilation of maps, the manipulation of data and screening for environmental sensitivities within areas with the potential for development.

SKILLS BASE AND CORE COMPETENCIES

- GIS Mapping
- EIA Report Writing
- Social Impact Assessments
- Conducting of public involvement processes
- Administrative tasks
- Analysis and manipulation of geographical information and technical experience with the use of ArcGIS

EDUCATION AND PROFESSIONAL STATUS

Degrees:

- B.Sc. (Hons) Environmental Management (2014), North-West University, Potchefstroom
- B.A Psychology, Geography and Environmental Studies (2013), North-West University, Potchefstroom

Courses:

- Environmental Legal Compliance and Auditing (2017), Janice Tooley at the Protea Hotel OR Thambo, Johannesburg

EMPLOYMENT

Date	Company	Roles and Responsibilities
February 2015 – current	Savannah Environmental (Pty) Ltd	Environmental Assessment Practitioner and GIS Consultant *Tasks include: Compilation of Environmental Scoping Reports, Plan of Study, Environmental Impact Assessment Reports, Basic Assessments and Environmental management programmes; Environmental Screening Reports; Specialist management; project proposals and tenders; Client liaison and Marketing; Process EIA Applications, GIS Mapping, spatial data analysis and manipulation; Compilation of Social Impact Assessments*

PROJECT EXPERIENCE

Renewable Power Generation Projects: Solar Energy Facilities

Screening Studies

Project Name & Location	*Client Name*	*Role*
Pre-feasibility Desktop Screening and Fatal Flaw Scan for a Solar PV Project near Lichtenburg, North West Province	*ABO Wind AG*	*EAP and GIS Consultant*
Pre-feasibility Desktop Screening and Fatal Flaw Scan for a Solar PV Project neat Aggeneys, Northern Cape Province	*ABO Wind AG*	*EAP and GIS Consultant*

Environmental Impact Assessments and Environmental Management Programmes

Project Name & Location	*Client Name*	*Role*
Buffels PV 1 & Buffels PV 2 Solar Energy Facilities near Orkney, North West	*Kabi Solar*	*EAP and GIS Consultant*
Woodhouse Solar 1 & Woodhouse Solar 2 PV Facilities near Vryburg, North West	*Genesis Eco-Energy Developments*	*EAP and GIS Consultant*
Orkney Solar Farm, North West	*Genesis Eco-Energy Developments*	*EAP and GIS Consultant*
Tewa Isitha Solar 1 & Tewa Isitha Solar 2 PV facilities near Upington, Northern Cape	*AfriCoast Energy*	*EAP and GIS Consultant*
Lichtenburg 1, Lichtenburg 2 and Lichtenburg 3 PV Facilities, near Lichtenburg, North West Province (EIA Phase)	*ABO Wind AG*	*EAP and GIS Consultant*

Basic Assessments

Project Name & Location	*Client Name*	*Role*
Harmony Gold 3x PV Facilities, Welkom, Free State	*BBEntropie*	*EAP and GIS Consultant*
Khunab Solar Development, consisting of Klip Punt PV1, McTaggarts PV1, McTaggarts PV2, McTaggarts PV3 and the Khunab solar Grid	*Atlantic Energy Partners and Abengoa*	*Project management, Social Impact Assessment*

Connection near Upington, Northern Cape Province		*Specialist and GIS Consultant*
Sirius Solar PV3 and PV4, near Upington, Northern Cape Province	*Solal*	*Co-author to Social Impact Assessments*

Renewable power generation projects: Wind Energy Facilities

Screening Studies

Project Name & Location	***Client Name***	***Role***
Juno Wind Farm Screening Assessment Report near Lamberts Bay, Western Cape Province	*AMDA Developments*	*EAP and GIS Consultant*
Lamberts Bay Wind Farm Screening Assessment Report near Lamberts Bay, Western Cape Province	*Windy World*	*EAP and GIS Consultant*
Pre-feasibility Desktop Screening and Fatal Flaw Scan for the Kudusberg and Rondekop Wind Energy Facilities, Northern Cape and Western Cape Provinces	*ABO Wind AG*	*EAP and GIS Consultant*
Pre-feasibility Desktop Screening and Fatal Flaw Scan for Wind Projects near Touws River, Western Cape Province	*ABO Wind AG*	*EAP and GIS Consultant*

Environmental Impact Assessments and Environmental Management Programmes

Project Name & Location	***Client Name***	***Role***
Boulders Wind Farm, Western Cape Province	*Vredenburg Windfarm*	*EAP and GIS Consultant*
Namas Wind Farm, Northern Cape Province	*Genesis Namas Wind (Pty) Ltd*	*EAP and GIS Consultant*
Zonnequa Wind Farm, Northern Cape Province	*Genesis Zonnequa Wind (Pty) Ltd*	*EAP and GIS Consultant*

Grid Infrastructure Projects

Basic Assessments

Project Name & Location	***Client Name***	***Role***
132/11kV Olifantshoek Substation and Power Line, Northern Cape	*Eskom*	*EAP and GIS Consultant*
Grid connection infrastructure for the Namas Wind Farm, Northern Cape Province	*Genesis Namas Wind (Pty) Ltd*	*EAP and GIS Consultant*
Grid connection infrastructure for the Zonnequa Wind Farm ,Northern Cape Province	*Genesis Zonnequa Wind (Pty) Ltd*	*EAP and GIS Consultant*
Khunab Solar Grid Connection, near Upington, Northern Cape Province	*Atlantic Energy Partners and Abengoa*	*Project management, Social Impact Assessment Specialist and GIS Consultant*

Gas Projects

Environmental Impact Assessments and Environmental Management Programmes

Project Name & Location	***Client Name***	***Role***
Richards Bay Combined Cycle Power Plant (CCPP) power plant, KwaZulu-Natal (Scoping Phase)	*Eskom*	*EAP (assistance) and GIS Consultant*

Basic Assessments

Project Name & Location	Client Name	Role
Neopak Combined Heat and Power (CHP) Plant, Rosslyn, Gauteng	*Neopak*	*EAP, Public Participation and GIS Consultant*

Screening Studies

Project Name & Location	Client Name	Role
Richards Bay Combined Cycle Power Plant (CCPP) power plant, near Richards Bay, KwaZulu-Natal	*Eskom*	*EAP and GIS Consultant*

Infrastructure Development Projects (bridges, pipelines, roads, etc)

Basic Assessments

Project Name & Location	Client Name	Role
Water Treatment Plant at the Neopak Facility, Rosslyn, Gauteng	*Neopak*	*EAP, Public Participation and GIS Consultant*

Housing and Urban Projects

Environmental Impact Assessments and Environmental Management Programmes

Project Name & Location	Client Name	Role
Metals Industrial Cluster near Kuruman, Northern Cape	*Northern Cape Department of Economic Development and Tourism*	*EAP and GIS Consultant*

Environmental Management Tools

Environmental Management Programmes

Project Name & Location	Client Name	Role
Environmental Management Programme (EMPr) for the Nxuba Wind Farm, Eastern Cape	*ACED*	*EAP*
Operation Environmental Management Programme (EMPr) for Phase 1 of the Amakhala Emoyeni Wind Energy Facility, Eastern Cape	*Cennergi*	*EAP*
Operation Environmental Management Programme (EMPr) for the Tsitsikamma Community Wind Energy Facility, Eastern Cape Province	*Cennergi*	*EAP*
Environmental Management Programme (EMPr) for the Skuitdrift 1 Solar PV Energy Facility near Augrabies, Northern Cape Province	*Building Energy South Africa*	*EAP and GIS Consultant*
Environmental Management Programme (EMPr) for the Skuitdrift 2 Solar PV Energy Facility near Augrabies, Northern Cape Province	*Building Energy South Africa*	*EAP and GIS Consultant*

Environmental and Social Management System (ESMS)

Project Name & Location	Client Name	Role
Preparation of Policies and Plans for the Kruisvallei Hydro Scheme, Free State Province	*Building Energy South Africa*	*EAP assistance*

1st Floor, Block 2, 5 Woodlands Drive Office Park
Woodlands Drive, Woodmead
Johannesburg, South Africa

Email: karen@savannahsa.com
Tel: +27 (11) 656 3237

CURRICULUM VITAE OF KAREN JODAS

Profession : Environmental Management and Compliance Consultant ; Environmental Assessment Practitioner. Professional Natural Scientist: Environmental Science since 1999.

Specialisation: Strategic environmental assessment and advice; development of plans and guidelines; environmental compliance advise and monitoring; Environmental Impact Assessment; environmental management; project management and co-ordination of environmental projects; peer review; policy, strategy and guideline formulation; renewable energy projects; water resources management.

VOCATIONAL EXPERIENCE

Provide technical input for projects in the environmental management field, specialising in strategic evaluation, Environmental Impact Assessment studies, environmental management plans, programmes and guidelines, integrated environmental management, environmental compliance monitoring; peer review of EIA reports and processes, strategy and guideline development, and public participation. Key focus on overall Project Management, integration of environmental studies and environmental processes into larger engineering-based projects, strategic assessment, and the identification of environmental management solutions and mitigation/risk minimising measures.

Excellent working knowledge of environmental legislation, strategies, guidelines and policies. Compilation of the reports for environmental studies are in accordance with the all relevant environmental legislation under the National Environmental Management Act. Due consideration of Equator Principles and compliance with IFC performance standards is now a part of all projects.

SKILLS BASE AND CORE COMPETENCIES

- Twenty years (20) of experience in the environmental management, impact assessment and compliance fields
- Eighteen (18) years of experience in Project Management - Project management of large environmental assessment and management projects
- Strategic and compliance advise for all aspects of environmental assessment and management
- External and peer review of environmental assessment and compliance reporting as well as EIA processes
- Working knowledge of environmental planning policies, regulatory frameworks and legislation
- Input and review of Environmental Management Plans and Programmes, including Invasive Species Monitoring, Control and Eradication Plans
- Identification and assessment of potential environmental impacts and benefits
- Development of practical and achievable mitigation measures and management plans and evaluation of risk to project execution
- Experienced in environmental compliance advise, monitoring and reporting for construction projects
- Compilation and review of the reports in accordance with all relevant environmental legislation
- Public participation/involvement and stakeholder consultation
- Environmental strategy, policy and guidelines development
- Experienced in assessments for both linear developments and nodal developments
- Key experience in the assessment of impacts associated with renewable energy projects
- Wide range of experience for public and private sector projects
- Experienced consultant in projects in Sub-Saharan Africa.

EDUCATION AND PROFESSIONAL STATUS

Degrees:

- B.Sc Earth Sciences, majoring in Geography and Zoology, Rhodes University, Grahamstown, 1993
- B.Sc Honours in Geography (in Environmental Water Management), Rhodes University, Grahamstown, 1994. Major subjects included Water Resources Management, Streams Ecology, Fluvial Geomorphology and Geographic Information Systems.
- M.Sc in Geography (Geomorphology), Rhodes University, Grahamstown, 1996

Short Courses:

- Water Quality Management, Potchefstroom University, 1998
- Environmental Law Course, Aldo Leopold Institute, 2002
- WindFarmer Wind Farm Design course, Garrad Hassan, 2009

Professional Society Affiliations:

- Registered with the South African Council for Natural Scientific Professions as a Professional Natural Scientist: Environmental Science (400106/99)

Other Relevant Skills:

- Xtrack Extreme – Advanced Off-Road Driving Course (2003)

EMPLOYMENT

Date	Company	Roles and Responsibilities
2006 - Current	Savannah Environmental (Pty) Ltd	Director *Independent specialist environmental consultant, Environmental Assessment Practitioner (EAP) and advisor*
1997 – December 2005	Bohlweki Environmental (Pty) Ltd	Associate *Environmental Management Unit: Manager; Principle Environmental Scientist focussing on Environmental Management and Project Management*

APPENDIX B:
ADVERTISMENT OF SUBMISSION OF THE AUDIT REPORT

NOTICE OF EXTERNAL COMPLIANCE AUDIT (SECTION 54) PUBLIC PARTICIPATION PROCESS: KAROSHOEK SOLAR VALLEY DEVELOPMENT, UPINGTON, NORTHERN CAPE PROVINCE

Activity:

Development of the Karoshoek Solar Valley Development approximately 30km east of Upington, in the Dawid Kruiper Local Municipality and the greater ZF Mgcawu District Municipality in the Northern Cape. The development consists of twelve (12) projects including:

- Karoshoek CPVPD 1 (1x25 MW Concentrating Photovoltaic or Parabolic Dish) – DEA Ref.: 14/12/16/3/3/2/292
- Karoshoek CPVPD 2 (1x25 MW Concentrating Photovoltaic or Parabolic Dish) – DEA Ref.: 14/12/16/3/3/2/291
- Karoshoek CPVPD 3 (1x25 MW Concentrating Photovoltaic or Parabolic Dish) – DEA Ref.: 14/12/16/3/3/2/290
- Karoshoek CPVPD 4 (1x25 MW Concentrating Photovoltaic or Parabolic Dish) – DEA Ref.: 14/12/16/3/3/2/289
- Karoshoek LF1 (1x100MW Linear Fresnel) – DEA Ref.: 14/12/16/3/3/2/293
- Karoshoek PT (1x100MW Parabolic Trough) - DEA Ref.: 14/12/16/3/3/2/294
- Karishoek LFT2 (1x100MW Linear Fresnel or Parabolic Trough) – DEA Ref.: 14/12/16/3/3/2/299
- Karoshoek Tower 1 (1x50MW Tower) - DEA Ref.: 14/12/16/3/3/2/298
- Karoshoek Tower 2 (1x50MW Tower) - DEA Ref.: 14/12/16/3/3/2/297
- Karoshoek LFTT1 (1x100MW Linear Fresnel or Parabolic Trough or Tower) – DEA Ref.: 14/12/16/3/3/2/296
- Karoshoek LFTT2 (1x100MW Linear Fresnel or Parabolic Trough or Tower) – DEA Ref.: 14/12/16/3/3/2/295
- Karoshoek Grid Integration Infrastructure (on-site substation/switchyard and 400kV power line(s)) - DEA Ref.: 14/12/16/3/3/2/288

No activities related to the Karoshoek Solar Valley Development have commenced to date.

Properties affected by the Karoshoek Solar Valley Development includes:

- Portion 0 of Karos 959;
- Portion 3 of Annashoek 41;
- Portion 0 of Zandemm 944;
- Portion 2 of Matjiesrivier 41;
- Remaining Extent of Matjiesrivier 41;
- Portion 4 of Vaal Koppies 40;
- Portion 62 of Vaal Koppies 40; and
- Portion 6 of Vaal Koppies 40.

External Compliance Audit: In terms of Section 54(A)(3) of the EIA Regulations 2014 of GNR 326, Independent External Compliance Audits ("S54 Audit") are required to verify compliance towards the Environmental Management Programmes (EMPr) for the projects. This advertisement hereby notifies all potential and registered interested and affected parties, including organs of state with applicable jurisdiction as well as the competent authority, of the submission of the external compliance audit reports to the competent authority. These reports are available at https://www.savannahsa.com/public-documents/other/ for 14 days from date of publication.

Please direct any queries, information requests or comments to the DEA compliance directorate, at the following:
Department of Environmental Affairs (DEA) Legal Authorisations and Compliance Inspectorate
E-mail: compliance@environment.gov.za

SOUTH AFRICAN NATIONAL PARKS
VACANCY: SENIOR MAINTENANCE OFFICER
KGALAGADI NATIONAL PARK
PATERSON GRADING:C4
Salary Scale Min R237 377.71 - Max R356 532.44 per annum

South African National Parks

Closing date: 13 December 2019

A vacancy currently exists for a **Senior Maintenance Officer** at Kgalagadi National Park. The successful candidate will report directly to the Technical Manager and his/her responsibilities will be to conduct routine and scheduled maintenance within the Technical Services Division.

The key performance areas of the successful candidates would include the following:
- To ensure that all facilities are well maintained and they are up to an acceptable standard;
- Ensure efficient functioning of all services including electricity, water, sewer, solid waste removal, roads, air conditioning, etc.
- To ensure compliance to Occupational Health and Safety requirements;
- To ensure efficient functioning of infrastructural dependencies i.e. water / electrical reticulation and sewer network;
- To perform monthly schedules and checks, including earth leakage sensitivity, and for record keeping;
- To do checks and repairs on buildings and infrastructure;
- To provide on the job training to Trade Workers and General Workers;
- To assist supervision and administer the maintenance section;

Requirements:
The requirements listed below are representative of the knowledge, skills and/or abilities that are required for the job:
- Grade 12 (Std. 10) or technical N3/4 coupled with four years of practical experience at technical supervisory level.
- A technical qualification in the electrical/HVAC fields AND 6 years of practical experience in that field.
- Proven project management skills/ qualification will be an added advantage.
- Training and practical experience in Air-conditioning/HVAC will serve as an added advantage.
- A Code EB driver's licence with PDP is required/essential but a C1 driver's licence with PDP will be an added advantage.
- Sound working knowledge of Occupational Health and Safety Regulations and other relevant pieces of legislation. (Training and practical experience in OHS will be an added advantage.)
- Good communication, interpersonal and negotiation skills.
- Computer literacy essential (MS Office: Outlook, Word and Excel).
- A good financial background will be an added advantage.
- Must be willing to work irregular hours.

Please address your application, accompanied by a CV, to the following address:
Kgalagadi Transfrontier Park
Att. Adele Viljoen
P/Bag X5890
Upington
8800

You may also fax your application to her at fax no 054 561 2005 or e-mail her at adele.viljoen@sanparks.org

Applications, which have not been responded to within 21 days, should be regarded as unsuccessful.

SANParks is an equal opportunity employer and reserves the right not to make an appointment

SOUTH AFRICAN NATIONAL PARKS
VACANCY: HR OFFICER - Grade C4
KGALAGADI TRANSFRONTIER PARK - TWEE RIVIEREN
Salary Scale Min R237 377.71 - Max R356 532.44 per annum

South African National Parks

Closing date: 13 December 2019

A Challenging vacancy currently exists for a **Human Resources Officer** at Kgalagadi Transfrontier Park. The successful candidate must be highly organised and motivated individual, with exceptional attention to detail together with the necessary skills and experience to take control of all related Human Resource activities in the park and will report to the Park Manager and Financial & Admin Manager.

Key Performance Areas:
The key performance areas of the successful candidate would include the following:

- Administer Recruitment and Selection of candidates for vacant positions, retirements and terminations.
- Drafting of all fixed term, casual and student contracts.
- Induction of newly appointed employees familiarising them with all policies & procedures and necessary information with regards to SANParks.
- Compiling the monthly HR Payroll instructions.
- Administration of Staff Benefits, Staff Invoices and other related transactions.
- Administer and oversee leave transactions.
- Assist line management in the performance management system.
- Co-ordinate the employee long service awards on a monthly basis.
- Verifying all attendance registers and leave forms submitted for correctness and forward to Head office for processing.
- Administration of Time Sheets; Leave; I.O.D's claims and follow up reports to be submitted to CIRC.
- Compiling and submission of Monthly, Quarterly and Annual HR and LR Reports.
- Co-ordinating and administering training interventions.
- Maintaining and updating all HR filing per employee.
- Fulfilling the role of HR Representative at Disciplinary Hearings.
- Compiling and submission of Monthly Reports/ Stats and OHS Stats.
- Employee Wellness i.e. support/refer employees with personal matters.
- Assisting with other Ad Hoc Tasks.

Requirements:

The requirements listed below are representative of the knowledge, skills and/or abilities that are required for the job:

- Grade 12 Certificate and a National Diploma in Human Resources.
- B Degree or B Tech in HR will be an added advantage
- Minimum of three - five years' experience in Human Resource administration.
- Excellent Computer skills in MS Word, MS Excel, MS Power-point, MS Outlook are a prerequisite.
- Working knowledge of relevant Human Resources; as well as SANParks HR Policies, Procedures and Practices.
- Previous experience in the preparation of monthly payroll will be an added advantage.
- Sound written, communication and interpersonal skills
- Applicant must have a sense of initiative, good attention to detail, be highly organized and flexible and have the ability to meet deadlines, work under pressure and without continuous supervision.

The remuneration package includes an all-inclusive cost to company salary, pitched at Grade C4 Paterson Scale. The allowances and benefits are as specified in the HR tariff Document and Conditions of Services of SANParks.

Forward your application with a Cover Letter; CV; relevant copies of Qualifications and ID to the following address:

Kgalagadi Transfrontier Park
Private Bag X5890
UPINGTON
8800
Attention: Adele Viljoen
You may also fax your application to fax no. 054 561 2005 or e-mail to adele.viljoen@sanparks.org

If you have not been responded to within 21 days after the closing date, do note that your application is unsuccessful.

SANParks is committed to the principles of employment equity. Preference will be given to PDI/HDSA

Kadette op Upington bekend gestel

Suid-Afrikaanse Militêre Jeug Kadette op Upington

GEMSBOK-UPINGTON: Die amptelike bekendstelling van die Suid-Afrikaanse Militêre Jeug Kadette op Upington het onlnags hier plaasgevind.

Die kadette, onder die vlag van die Centre for Leadership Development, beoog om orde, morele waardes en beginsels aan ons kinders en jeugdiges te herstel deur leierskap, karakterbou, dissipline, respek, selfmotivering, akademiese uitmuntendheid, oorlewingsvaardighede, noodhulp, fisiese opleiding, blaasorkes, dril parades en nog vele meer aan die jeug te bied.

Brigadier Vernon Paulse van Eersterivier en gen Randall Peterson is die stigterslede van die kadette in Kaapstad.

NOTICE OF EXTERNAL COMPLIANCE AUDIT (SECTION 54)
PUBLIC PARTICIPATION PROCESS: KAROSHOEK SOLAR VALLEY DEVELOPMENT, UPINGTON, NORTHERN CAPE PROVINCE

Activity:
Development of the Karoshoek Solar Valley Development approximately 30km east of Upington, in the Dawid Kruiper Local Municipality and the greater ZF Mgcawu District Municipality in the Northern Cape. The development consists of twelve (12) projects including:

» Karoshoek CPVPD 1 (1x25 MW Concentrating Photovoltaic or Parabolic Dish) – DEA Ref.: 14/12/16/3/3/2/292
» Karoshoek CPVPD 2 (1x25 MW Concentrating Photovoltaic or Parabolic Dish) – DEA Ref.: 14/12/16/3/3/2/291
» Karoshoek CPVPD 3 (1x25 MW Concentrating Photovoltaic or Parabolic Dish) – DEA Ref.: 14/12/16/3/3/2/290
» Karoshoek CPVPD 4 (1x25 MW Concentrating Photovoltaic or Parabolic Dish) – DEA Ref.: 14/12/16/3/3/2/289
» Karoshoek LF1 (1x100MW Linear Fresnel) – DEA Ref.: 14/12/16/3/3/2/293
» Karoshoek PT (1x100MW Parabolic Trough) - DEA Ref.: 14/12/16/3/3/2/294
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» Karoshoek LFTT2 (1x100MW Linear Fresnel or Parabolic Trough or Tower) – DEA Ref.: 14/12/16/3/3/2/295
» Karoshoek Grid Integration Infrastructure (on-site substation/switchyard and 400kV power line(s)) - DEA Ref.: 14/12/16/3/3/2/288

No activities related to the Karoshoek Solar Valley Development have commenced to date.

Properties affected by the Karoshoek Solar Valley Development includes:

» Portion 0 of Karos 959;
» Portion 3 of Annashoek 41;
» Portion 0 of Zandemm 944;
» Portion 2 of Matjiesrivier 41;
» Remaining Extent of Matjiesrivier 41;
» Portion 4 of Vaal Koppies 40;
» Portion 62 of Vaal Koppies 40; and
» Portion 6 of Vaal Koppies 40.

External Compliance Audit: In terms of Section 54(A)(3) of the EIA Regulations 2014 of GNR 326, Independent External Compliance Audits ("S54 Audit") are required to verify compliance towards the Environmental Management Programmes (EMPr) for the projects. This advertisement hereby notifies all potential and registered interested and affected parties, including organs of state with applicable jurisdiction as well as the competent authority, of the submission of the external compliance audit reports to the competent authority. These reports are available at https://www.savannahsa.com/public-documents/other/ for 14 days from date of publication.

Please direct any queries, information requests or comments to the DEA compliance directorate, at the following: **Department of Environmental Affairs (DEA) Legal Authorisations and Compliance Inspectorate**
E-mail: compliance@environment.gov.za

APPENDIX C:
NOTIFICATION TO REGISTERED I&APS OF SUBMISSION OF THE AUDIT REPORT

savannah environmental

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

26 November 2019

Dear Registered Interested and Affected Party,

NOTICE OF AN EXTERNAL COMPLIANCE AUDIT (SECTION 54) AND PUBLIC PARTICIPATION PROCESS:
KAROSHOEK SOLAR VALLEY DEVELOPMENT, UPINGTON, NORTHERN CAPE PROVINCE

Notification of Submission of Section 54(A)(3) Audit Reports to the Competent Authority

The development of the authorised Karoshoek Solar Valley Development located approximately 30km east of Upington, in the Dawid Kruiper Local Municipality and the greater ZF Mgcawu District Municipality in the Northern Cape has reference.

The Karoshoek Solar Valley Development consists of twelve (12) authorised projects including:

- Karoshoek CPVPD 1 (1x25 MW Concentrating Photovoltaic or Parabolic Dish) – DEA Ref.: 14/12/16/3/3/2/292
- Karoshoek CPVPD 2 (1x25 MW Concentrating Photovoltaic or Parabolic Dish) – DEA Ref.: 14/12/16/3/3/2/291
- Karoshoek CPVPD 3 (1x25 MW Concentrating Photovoltaic or Parabolic Dish) – DEA Ref.: 14/12/16/3/3/2/290
- Karoshoek CPVPD 4 (1x25 MW Concentrating Photovoltaic or Parabolic Dish) – DEA Ref.: 14/12/16/3/3/2/289
- Karoshoek LF1 (1x100MW Linear Fresnel) – DEA Ref.: 14/12/16/3/3/2/293
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- Karoshoek LFTT2 (1x100MW Linear Fresnel or Parabolic Trough or Tower) – DEA Ref.: 14/12/16/3/3/2/295
- Karoshoek Grid Integration Infrastructure (on-site substation/switchyard and 400kV power line(s)) - DEA Ref.: 14/12/16/3/3/2/288

No activities related to the Karoshoek Solar Valley Development have commenced to date.

+27 (0)11 656 3237 +27 (0)86 684 0547 info@savannahsa.com www.savannahsa.com
First Floor, Block 2, 5 Woodlands Drive Office Park, Cnr Woodlands Drive & Western Service Road, Woodmead, 2191

Properties affected by the Karoshoek Solar Valley Development includes:

- Portion 0 of Karos 959;
- Portion 3 of Annashoek 41;
- Portion 0 of Zandemm 944;
- Portion 2 of Matjiesrivier 41;
- Remaining Extent of Matjiesrivier 41;
- Portion 4 of Vaal Koppies 40;
- Portion 62 of Vaal Koppies 40; and
- Portion 6 of Vaal Koppies 40.

In terms of Section 54(A)(3) of the EIA Regulations 2014 of GNR 326, Independent External Compliance Audits ("S54 Audit") are required to verify compliance towards the Environmental Management Programmes (EMPr) for the projects. This advertisement hereby notifies all potential and registered interested and affected parties, including organs of state with applicable jurisdiction as well as the competent authority, of the submission of the external compliance audit reports to the competent authority. These reports are available at https://www.savannahsa.com/public-documents/other/ for 14 days from date of this notification.

Please direct any queries, information requests or comments to the DEA compliance directorate, at the following:
Department of Environmental Affairs (DEA) Legal Authorisations and Compliance Inspectorate
E-mail: compliance@environment.gov.za

Kind regards

Nicolene Venter
Public Participation and Social Consultant
Email: publicprocess@savannahsa.com

Karoshoek Solar Valley: Notification of Audit Report in terms of Section 54

Forward

Assigned to:	Savannah Public Process	Date Sent:	26/11/2019 09:27
Teams:	Global	Project:	Karoshoek Solar Valley (Incl. N10)
From:	Savannah Public Process <publicprocess@savannahsa.com>		
To:	ronald@savannahsa.com, nicolene@savannahsa.com		
Cc:			
Bcc:	Abe Abrahams <franksl@dwa.gov.za>, Dirk Ambraal <dambraala@gmail.com>, Hennie Auret <tech@kharahais.gov.za>, Amanda Bester <wayleacr@telkom.co.za>, Biotherm Energy EIA Office <eiaadmin@biothermenergy.com>, Jaco Burger <info@jrbstud.com>, Andre Burger <eselfonteinz@gmail.com>, Thoko Buthelezi <thokob@daff.gov.za>, Shaun Cloete <cloetes@dws.gov.za>, René de Kock <abrahamsn@nra.co.za>, Samantha De la Fontaine <sdelafontaine@gmail.com>, Andries Leon Diergaardt <andriesd2@gmail.com>, Theunis Eksteen <tjeksteen@upington.co.za>, J.J Eksteen <jje@ekserba.co.za>, Suzanne Erasmus <info@wessa.co.za>, Samuel Esau <mokanuesau@gmail.com>, Bryan Fisher <bfisher@ncpg.gov.za>, Simon Gear <advocacy@birdlife.org.za>, John Geeringh <john.geeringh@eskom.co.za>, Onkemeste Gill <cvalentine@ncpg.gov.za>, Morgan Griffiths <morgan.griffiths@wessa.co.za>, Natasha Higgitt <nhiggitt@sahra.org.za>, Phillip Hine <phine@sahra.org.za>, Sonya Hofmann <sonya@bbmupington.co.za>, Constant Hoogstad <constanth@ewt.org.za>, Herman Husselmann <hermanhuss@gmail.com>, Fritz Janse van Rensburg <fritzvr@law.co.za>, Mmamohale Kabasa <mkabasa@environment.gov.za>, Simphiwe Khumalo <siphiwe.khumalo@nersa.org.za>, Johan Koegelenberg <koegelenbergj@sentech.co.za>, Annemarie Kotze <alholr@vodamail.co.za>, Elno Krapohl <krapohltrans@lantic.net>, Jean Lombard <ceo@boegoebergwater.co.za>, Sunday Mabaso <sunday.mabaso@dmr.gov.za>, Jacoline Mans <jacolinema@daff.gov.za>, Jacob Barend Maree <olin.maree@gmail.com>, Mashudu Marubini <mashuduma@daff.gov.za>, Samuel Masemola <dgoffice@drdlr.gov.za>, Pheladi Masipa <pheladi.masipa@energy.gov.za>, Babalwa Mbobo <mbobobc@gmail.com>, Melanie Miles <melaniem@l2b.co.za>, Sylvia Moholo <sylvia.moholo@dwp.gov.za>, Wonders Dimakatso Viljoen Mothibi <cfortune@agri.ncape.gov.za>, Kevin Mutheiwana <mmboneni.mutheiwana@dmr.gov.za>, Annalize Naicker <annalizen@bvinc.co.za>, Pancho Ndebele <pancho@emvelo.co.za>, Waldo Nel <magdaniel1961@gmail.com>, Dalixolo Eric Ngxanga <d.ngxanga@vodamail.co.za>, Eric Ngxanga <managersec@kharahais.gov.za>		
Subject:	Karoshoek Solar Valley: Notification of Audit Report in terms of Section 54		

Body:

NOTICE OF AN EXTERNAL COMPLIANCE AUDIT (SECTION 54) AND PUBLIC PARTICIPATION PROCESS:

KAROSHOEK SOLAR VALLEY DEVELOPMENT, UPINGTON, NORTHERN CAPE PROVINCE

Notification of Submission of Section 54(A)(3) Audit Reports to the Competent Authority:

- Karoshoek CPVPD 1 (1x25 MW Concentrating Photovoltaic or Parabolic Dish) –

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DEA Ref.: 14/12/16/3/3/2/290

- Karoshoek CPVPD 4 (1x25 MW Concentrating Photovoltaic or Parabolic Dish) – DEA Ref.: 14/12/16/3/3/2/289
- Karoshoek LF1 (1x100MW Linear Fresnel) – DEA Ref.: 14/12/16/3/3/2/293
- Karoshoek PT (1x100MW Parabolic Trough) - DEA Ref.: 14/12/16/3/3/2/294
- Karishoek LFT2 (1x100MW Linear Fresnel or Parabolic Trough) – DEA Ref.: 14/12/16/3/3/2/299
- Karoshoek Tower 1 (1x50MW Tower) - DEA Ref.: 14/12/16/3/3/2/298
- Karoshoek Tower 2 (1x50MW Tower) - DEA Ref.: 14/12/16/3/3/2/297
- Karoshoek LFTT1 (1x100MW Linear Fresnel or Parabolic Trough or Tower) – DEA Ref.: 14/12/16/3/3/2/296
- Karoshoek LFTT2 (1x100MW Linear Fresnel or Parabolic Trough or Tower) – DEA Ref.: 14/12/16/3/3/2/295
- Karoshoek Grid Integration Infrastructure (on-site substation/switchyard and 400kV power line(s)) - DEA Ref.: 14/12/16/3/3/2/288

In terms of Section 54(A)(3) of the EIA Regulations 2014 of GNR 326, Independent External Compliance Audits ("S54 Audit") are required to verify compliance towards the Environmental Management Programmes (EMPr) for the projects. This advertisement hereby notifies all potential and registered interested and affected parties, including organs of state with applicable jurisdiction as well as the competent authority, of the submission of the external compliance audit reports to the competent authority. These reports are available at https://www.savannahsa.com/public-documents/other/ for 14 days from date of this notification.

Please refer to the attached notification letter for further information.

Kind regards,

Nicolene Venter

Public Participation and Social Consultant | Savannah Environmental (Pty) Ltd

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

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Attachments: SE2595-Karoshoek Solar Valley-S54 Notification Letter.pdf

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Name	Assigned To	Start Date:	End Date:

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Karoshoek Solar Valley: Notification of Audit Report in terms of Section 54

Forward

Assigned to:	Savannah Public Process	Date Sent:	26/11/2019 09:32
Teams:	Global	Project:	Karoshoek Solar Valley (Incl. N10)
From:	Savannah Public Process <publicprocess@savannahsa.com>		
To:	ronald@savannahsa.com, nicolene@savannahsa.com		
Cc:			
Bcc:	Kholikile Nogwili <lucindavanwyk@ncpg.gov.za>, Leon Olivier <olivierl@lantic.net>, Marius Bernard Orffer <marius.oudm@yahoo.com>, Proposal Team <proposals@info-pro.co.za>, Samantha Ralston-Paton <energy@birdlife.org.za>, Pule Ramaleho Ramaleho Saila <ramaleho.saila@drdlr.gov.za>, Ordain Riba <oriba.denc@gmail.com>, Jaco Roelofse <roelofse.j@vodamail.co.za>, Frikkie Rupping <fpr@zfm.gov.za>, Michael Ryall <info@dbts.co.za>, Thabile Sangweni <tsangweni@environment.gov.za>, Teresa Scheepers <teresascheepers@vodamail.co.za>, Leonard Shaw <shawls@telkom.co.za>, Steven Shibambu <shibambus@dws.gov.za>, Marius Spangenberg <marius.spangenberg@standardbank.co.za>, Jacobus Spangenberg <spanmar3@gmail.com>, Johan Steenkamp <jhjs@webmail.co.za>, Jaco Strauss <jaco@it5.co.za>, Nestor Stirling Strauss <stirlingstrauss@isat.co.za>, Lizell Stroh <strohl@caa.co.za>, Ella Swanepoel <ellaswanepoel@telkomsa.net>, Elsabe Swart <elsabe.dtec@gmail.com>, Ratha Andrew Timothy <ratha.timothy@gmail.com>, Adrian Tiplady <atiplady@ska.ac.za>, Frikkie Truter <frik.truter@lantic.net>, Stanley Tshitwamulomoni <stanleyt@environment.gov.za>, Gog van der Colff <gogvdc@carpediemfarms.co.za>, Thys van der Hout <thys@solek.co.za>, Johan van der Merwe <johan@ovdm.co.za>, Diana Van Der Merwe <gloudina.vandermerwe@fnb.co.za>, Andrea van Gensen <vgenseal@eskom.co.za>, T van Heerden <suzettevh@telkomsa.net>, Stephan van Huyssteen <else@krk.co.za>, Jonny van Rooyen <jbvanrooyen@telkomsa.net>, Karen Van Schalkwyk <karen.vanschalkwyk@drdlr.gov.za>, B van Staden <vanstadenboerdery@yahoo.com>, Nonnie Van Vuuren <nvv1@webmail.co.za>, Ellewee van Zyl <elleweevz@gmail.com>, Dries Visser <visserd@dwa.gov.za>, Anga Yaphi <ayaphi@ncpg.gov.za>		
Subject:	Karoshoek Solar Valley: Notification of Audit Report in terms of Section 54		

Body:

NOTICE OF AN EXTERNAL COMPLIANCE AUDIT (SECTION 54) AND PUBLIC PARTICIPATION PROCESS:

KAROSHOEK SOLAR VALLEY DEVELOPMENT, UPINGTON, NORTHERN CAPE PROVINCE

Notification of Submission of Section 54(A)(3) Audit Reports to the Competent Authority:

- Karoshoek CPVPD 1 (1x25 MW Concentrating Photovoltaic or Parabolic Dish) – DEA Ref.: 14/12/16/3/3/2/292
- Karoshoek CPVPD 2 (1x25 MW Concentrating Photovoltaic or Parabolic Dish) – DEA Ref.: 14/12/16/3/3/2/291
- Karoshoek CPVPD 3 (1x25 MW Concentrating Photovoltaic or Parabolic Dish) – DEA Ref.: 14/12/16/3/3/2/290

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- Karoshoek PT (1x100MW Parabolic Trough) - DEA Ref.: 14/12/16/3/3/2/294
- Karishoek LFT2 (1x100MW Linear Fresnel or Parabolic Trough) – DEA Ref.: 14/12/16/3/3/2/299
- Karoshoek Tower 1 (1x50MW Tower) - DEA Ref.: 14/12/16/3/3/2/298
- Karoshoek Tower 2 (1x50MW Tower) - DEA Ref.: 14/12/16/3/3/2/297
- Karoshoek LFTT1 (1x100MW Linear Fresnel or Parabolic Trough or Tower) – DEA Ref.: 14/12/16/3/3/2/296
- Karoshoek LFTT2 (1x100MW Linear Fresnel or Parabolic Trough or Tower) – DEA Ref.: 14/12/16/3/3/2/295
- Karoshoek Grid Integration Infrastructure (on-site substation/switchyard and 400kV power line(s)) - DEA Ref.: 14/12/16/3/3/2/288

In terms of Section 54(A)(3) of the EIA Regulations 2014 of GNR 326, Independent External Compliance Audits ("S54 Audit") are required to verify compliance towards the Environmental Management Programmes (EMPr) for the projects. This advertisement hereby notifies all potential and registered interested and affected parties, including organs of state with applicable jurisdiction as well as the competent authority, of the submission of the external compliance audit reports to the competent authority. These reports are available at https://www.savannahsa.com/public-documents/other/ for 14 days from date of this notification.

Please refer to the attached notification letter for further information.

Kind regards,

Nicolene Venter

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

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Name	Assigned To	Start Date:	End Date:	
Karoshoek Solar Valley (Incl. N10)	Gabriele Stein	24/11/2014	30/06/2015	edit

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APPENDIX D:
CONFIRMATION LETTER ON CURRENT STATUS OF THE PROJECT

EMVELO

Postnet Suite 306
Private Bag X9
Benmore

22 November 2019

Savannah Environmental

Re: Karoshoek Solar Valley Section 54(A) of the EIA Regulations 2017, Audit Reports (x12)

This letter confirms that no activities associated with the projects listed below has commenced to date and that the projects have not received preferred bidder status.

1. Karoshoek Concentrating Photovoltaics or Parabolic Dish (CPVPD) 1 Facility on Site 2 of the larger Karoshoek Solar Valley Development, Northern Cape. (DEA Ref: 14/12/16/3/3/2/292)

2. Karoshoek Concentrating Photovoltaics or Parabolic Dish (CPVPD) 2 Facility on Site 2 of the larger Karoshoek Solar Valley Development, Northern Cape. (DEA Ref: 14/12/16/3/3/2/291)

3. Karoshoek Concentrating Photovoltaics or Parabolic Dish (CPVPD) 3 Facility on Site 2 of the larger Karoshoek Solar Valley Development, Northern Cape. (DEA Ref: 14/12/16/3/3/2/290)

4. Karoshoek Concentrating Photovoltaics or Parabolic Dish (CPVPD) 4 Facility on Site 2 of the larger Karoshoek Solar Valley Development, Northern Cape. (DEA Ref: 14/12/16/3/3/2/289)

5. Karoshoek Grid Integration Infrastructure of the larger Karoshoek Solar Valley Development, Northern Cape. (DEA Ref: 14/12/16/3/3/2/283)

EMVELO
Postnet Suite 306
Private Bag X9
Benmore

6. Karoshoek Linear Fresnel (LF) 1 Facility on Site 1.1 of the larger Karoshoek Solar Valley Development, Northern Cape. (DEA Ref: 14/12/16/3/3/2/293)

7. Karoshoek Linear Fresnel Trough (LFT) 2 Facility on Site 1.4 of the larger Karoshoek Solar Valley Development, Northern Cape. (DEA Ref: 14/12/16/3/3/2/299)

8. Karoshoek Linear Fresnel Trough Tower (LFTT) 1 Facility on Site 4 of the larger Karoshoek Solar Valley Development, Northern Cape. (DEA Ref: 14/12/16/3/3/2/296)

9. Karoshoek Linear Fresnel Trough Tower (LFTT) 2 Facility on Site 5 of the larger Karoshoek Solar Valley Development, Northern Cape. (DEA Ref: 14/12/16/3/3/2/295)

10. Karoshoek Parabolic Trough (PT) Facility on Site 1.3 of the larger Karoshoek Solar Valley Development, Northern Cape. (DEA Ref: 14/12/16/3/3/2/294)

11. Karoshoek Tower 1 Facility on Site 3 of the larger Karoshoek Solar Valley Development, Northern Cape. (DEA Ref: 14/12/16/3/3/2/298)

12. Karoshoek Tower 2 Facility on Site 3 of the larger Karoshoek Solar Valley Development, Northern Cape. (DEA Ref: 14/12/16/3/3/2/297)

Yours sincerely,

Pancho Ndebele : Founder & CEO