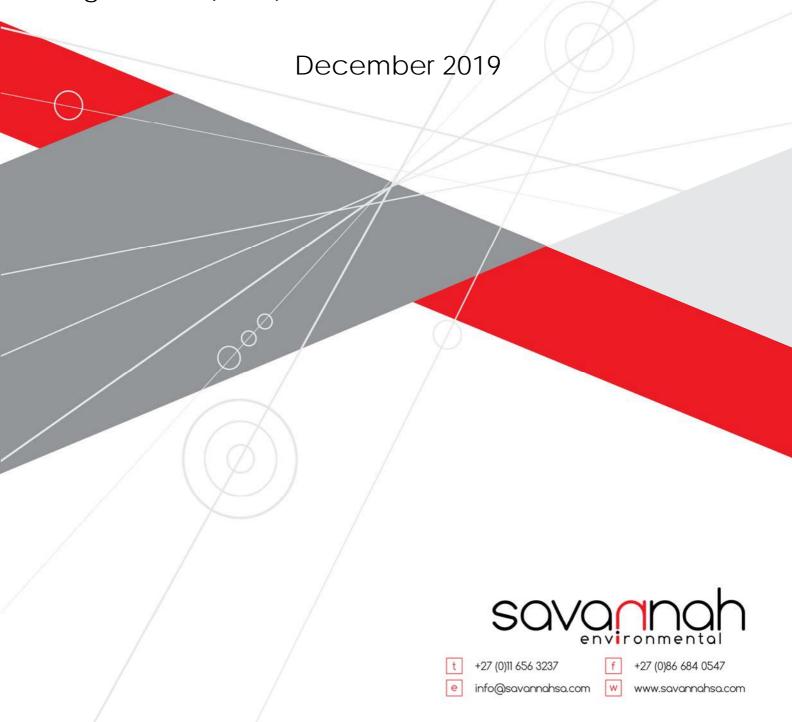
# SANNASPOS PV PLANT PHASE 1 (75MW) FREE STATE PROVINCE

DEA Ref: 14/12/16/3/3/2/360

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



# Prepared for:



Solaire Direct Southern Africa (Pty) Ltd 1st Floor, Birkdale 1 River Park Gloucester Road Mowbray 7701

# Prepared by:



## REPORT DETAILS

**DEA Reference No.** : 14/12/16/3/3/2/360

**Environmental** Jo-Anne Thomas (Savannah Environmental)

Assessment

Practitioner (EAP)

Title : External Environmental Compliance Audit Report of the Environmental

Management Programme (EMPr), in accordance with Regulation 54(A) of the EIA Regulations (2017) for the Sannaspos PV Plant Phase 1 (75MW), Free

State Province

**Auditor** : Savannah Environmental (Pty) Ltd

Reuben Maroga

Internal Reviewer Karen Jodas

Client : Solaire Direct Southern Africa (Pty) Ltd

Mr Reggie Niemand

**Report Revision** : Revision 0

Date : December 2019

When used as a reference this report should be cited as: Savannah Environmental (2019) External Environmental Section 54 Compliance Report for the Sannaspos PV Plant Phase 1 (75MW) in the Northern Cape Province

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## **DECLARATION OF INTEREST**

#### I, <u>Reuben Maroga</u>, declare that:

- » I act as the independent environmental auditor for the environmental compliance audit (December 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.

| Reuben Maroga (Auditor)   |               |
|---|---------------|
| Robby G.  |               |
|   | December 2019 |
| Signature   | Date          |
| Karen Jodas (Internal Reviewer, SACNASP Membership No: 400106/99) |               |
|   |               |
| Laa   |               |
|   | December 2019 |
| Signature   | Date          |
|   |               |

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## **ACRONYMS AND ABBREVIATIONS**

DEA Department of Environmental Affairs

DoE Department of Energy

EA Environmental Authorisation

EAP Environmental Assessment Practitioner

ECO Environmental Control Officer
EIA Environmental Impact Assessment

EMPr Environmental Management Programme
ERM Environmental Resources Management

I&AP Interested and Affected PartyIPP Independent Power Producer

MW Megawatts

NEMA National Environmental Management Act (No. 107 of 1998)

REIPPPP Renewable Energy Independent Power Producer Procurement Programme

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#### 1. INTRODUCTION AND BACKGROUND

Section 54(a)(3) of the EIA Regulations (GNR326, 7 April 2018) states:

(3) Where an environmental authorisation issued in terms of the ECA regulations or the previous NEMA regulations is still in effect by 8 December 2014, the EMPr associated with such environmental authorisation is subject to the requirements obtained in Part 3 of Chapter 5 of these Regulations and the first environmental audit report must be submitted to the competent authority no later than 7 December 2019 and at least every 5 years thereafter for the period during which such environmental authorisation is still in effect.

In accordance with these regulations, Savannah Environmental (Pty) Ltd has been appointed by Solaire Direct Southern Africa (Pty) Ltd to undertake an external environmental compliance audit and prepare an external environmental compliance audit report, towards assessing the compliance of the EMPr for the project as per the regulations detailed above. The external environmental compliance audit was conducted to demonstrate Solaire Direct Southern Africa (Pty) Ltd's compliance with the EMPr applicable to the project.

#### 1.1. Project Background

Solaire Direct Southern Africa (Pty) Ltd, an independent developer of solar power plants, proposes the establishment of a solar facility and associated infrastructure using photovoltaic (PV) technology on Portion 0 of the Farm 1808 Besemkop and Portion 0 of the Farm 2962 Lejwe, located approximately 45km east of Bloemfontein in the Free State Province. The project falls within the jurisdiction of the Mangaung Metropolitan Municipality and will be known as **Sannapsos PV Plant Phase 1**. The project will have a contracted capacity of up to 75MW and will comprise of the following elements:

- » Solar PV panels;
- » An on-site substation and 132kV ovehead power line to facilitate the conection between the solar energy facility and the Eskom electricity grid;
- » Internal access roads;
- » Guard House:
- » Laydown, Camp Site and Assembly Area;
- » Office and Control Centre.

The Sannaspos PV Plant Phase 1 received an Environmental Authorisation (EA) on 26 June 2013 (14/12/16/3/3/2/360). The validity of the EA has subsequently been extended to 26 June 2021 (14/12/16/3/3/2/360/AM2). The construction of the solar PV facility and associated infrastructure will only commence once the project has been granted a preferred bidder status by the Department of Energy (DoE)¹ under the Renewable under the Renewable Energy Independent Power Producer Procurement (REIPPP) Programme. No pre-construction or construction activities have commenced.

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<sup>&</sup>lt;sup>1</sup> The Department of Energy (DoE) is soon to be called the Department of Mineral Resources and Energy (DMRE).

## 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.
- » 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  | Location in Report   |
|--|--|
| <ul> <li>(a) Details of the –</li> <li>(i) Independent person who prepared the environmental audit report.</li> <li>(ii) Expertise of the independent person that compiled the environmental audit report.</li> </ul>  | Refer to <b>Section 4</b> Refer to <b>Appendix A</b>                 |
| (b) A declaration that the independent auditor is independent in a form as may be specified by the competent authority.  | Refer to <b>Declaration of Interest</b><br>Refer to <b>Section 4</b> |
| (c) An indication of the scope of, and the purpose for which, the environmental audit report was prepared.   | Refer to <b>Section 3</b>  |
| (d) A description of the methodology adopted in preparing the environmental audit report.  | Refer to <b>Section 6</b>  |
| <ul> <li>(e) An indication of the ability of the EMPr, and where applicable, the closure plan to –</li> <li>(i) Sufficiently provide for the avoidance, management and mitigation of environmental impacts associated with the undertaking of the activity on an on-going basis.</li> <li>(ii) Sufficiently provide for the avoidance, management and mitigation of environmental impacts associated with the closure of the facility.</li> <li>(iii) Ensure compliance with the provisions of environmental authorisation, EMPr, and where applicable, the closure plan.</li> </ul> | Refer to <b>Section 8</b>  |
| (f) A description of any assumptions made, and any uncertainties or gaps in knowledge.   | Refer to <b>Section 5</b>  |
| (g) A description of any consultation process that was undertaken during the course of carrying out the environmental audit report.  | Refer to <b>Section 6</b>  |
| (h) A summary and copies of any comments that were received during any consultation process.   | Refer to <b>Section 6</b>  |
| (i) Any other information requested by the competent authority.  | N/A  |

#### PURPOSE AND SCOPE

This Environmental Audit has been conducted to determine Solaire Direct Southern Africa (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 most up to date project EMPr (EMPr Revision 0 – February 2013).

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

## 4. OVERVIEW OF THE INDEPENDENT ENVIRONMENTAL AUDITORS

The Sannaspos PV Plant Phase 1 was initially authorised through an EIA compiled by Jo-Anne Thomas of Savannah Environmental as the Environmental Assessment Practitioner. This independent environmental compliance audit was undertaken by Reuben Maroga (**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.

|                | Reuben Maroga   |
|----------------|---|
| Position:      | Consultant  |
| Company:       | Savannah Environmental (Pty) Ltd                                |
| Qualification: | BSc. Honours in Geology BSc. Environmental Management & Geology |
| Experience:    | 3 years   |
| Contact:       | 011 656 3237  |
| Email:         | reuben@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                                    |
| Professional Registration: | Professional Natural Scientist (400106/99) (SACNASP) |
| Experience:                | 22 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.

## ASSUMPTIONS AND LIMITATIONS

The following limitations are applicable to this Environmental Audit Report:

The results of the Environmental Audit Report are limited due to the fact that the Sannaspos PV Plant Phase 1 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.

## 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 project Environmental Management Programme (EMPr) for the Sannaspos PV Plant Phase 1, Revision 0 (February 2013) (DEA Reference No.:14/12/16/3/3/2/360). As the Sannaspos PV Plant Phase 1 solar energy facility is currently not operational and no construction activities have commenced to date (i.e. no authorised activities have commenced) (refer to **Appendix D**), all the conditions contained in the EMPr relating to commencement, construction, operation and decommissioning of the solar PV facility are currently not 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 in future environmental compliance audit checklists and reported 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<sup>2</sup> (DEA) in accordance with the requirements of Section 54(A)(3) prior to the 7<sup>th</sup> of December 2019.

<sup>&</sup>lt;sup>2</sup> The Department of Environmental Affairs (DEA) is soon to be called the Department of Environment, Forestry and Fisheries (DEFF).

# 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** provides details of the findings of the audit.

Table 4: Audit Checklist for Compliance with the Conditions relating to the Planning and Design Phase of the project contained in EMPr Revision 0 (February 2013) (DEA Reference No. 14/12/16/3/3/2/360)

| Objective   | Mitigation: Action/control  | Responsibility                                   | Timeframe           | Compliance<br>Rating | Audit Finding  |
|---|---|--|---------------------|----------------------|--|
|   | Appoint a qualified botanical and faunal specialist and ornithologist to ground truth all power line infrastructure footprints. Their recommendations must inform the final layout. | Solaire Direct<br>Specialist                     | Design Stage        | 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 facility design responds to identified environmental | Undertake a geotechnical pre-construction survey.   | Solaire Direct                                   | Design Stage        | 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. |
| constraints and opportunities                                   | Obtain any additional environmental permits required (e.g. water use license, permit to impact on protected plant species) prior to the commencement of construction.               | Solaire Direct                                   | Project<br>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. |
|   | Avoid identified sensitive areas within the site in the final design of the facility.   | Engineering Design Consultant and Solaire Direct | Design<br>Reviewer  | 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<br>Rating | Audit Finding  |
|-----------|--|----------------|-----------------------|----------------------|--|
|           | Consider and incorporate design level mitigation measures recommended by the specialists as detailed within the Environmental Impact Assessment Report and relevant appendices.  | Solaire Direct | 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.   | Solaire Direct | 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 stormwater management plan for hard surfaces as part of the final design of the project. This must include appropriate means for the handling of storm water 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 panels). | Solaire Direct | 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. |
|           | Retain a buffer (approximately 50 -100m wide) of intact natural vegetation along the perimeter of each development site.   | Solaire Direct | Prior to 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. |
|           | Retain a buffer of at least 32 m from drainage lines on site.  | Solaire Direct | Design Phase          | N/A                  | Action/control measure is not applicable considering   |

| Objective | Mitigation: Action/control   | Responsibility | Timeframe    | Compliance<br>Rating | Audit Finding  |
|-----------|--|----------------|--------------|----------------------|--|
|           |  |                |              |                      | the status of the project. This measure will become applicable once the project receives preferred bidder status.  |
|           | Use bird-friendly power line towers and conductor designs.   | Solaire Direct | 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. |
|           | 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 existing disturbed areas or management measures must be implemented to ensure minimum damage is caused to natural habitats. | Solaire Direct | 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 or minimised and erosion is not initiated.  | Solaire Direct | 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. |
|           | The facility should be designed in such a manner to 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 stormwater.  | Solaire Direct | 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. |

| Objective  | Mitigation: Action/control  | Responsibility | Timeframe   | Compliance<br>Rating | Audit Finding  |
|--|---|----------------|---|----------------------|--|
|  | Obtain permits for protected plant removal and relocation prior to commencement of activity in an area.   | Solaire Direct | 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<br>the best environmental<br>option for the alignment<br>of the power line and<br>access roads | environmental impacts and enhances  | Solaire Direct | 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 power line and access roads within disturbed corridors, as far as possible.  | Solaire Direct | 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. |
|  | Consider design level mitigation measures recommended by the specialists as detailed within the Environmental Impact Assessment report and relevant appendices. | Solaire Direct | 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 any new access roads according to contour lines to minimise cutting and filling operations.  | Solaire Direct | Design  | N/A                  | Action/control measure is not applicable considering the status of the project. This measure will become applicable once the project                                   |

| Objective  | Mitigation: Action/control  | Responsibility | Timeframe              | Compliance<br>Rating | Audit Finding  |
|--|---|----------------|------------------------|----------------------|--|
|  |   |                |                        |                      | receives preferred bidder status.  |
| Minimise stormwater run-<br>off (guideline for<br>stormwater<br>management plan) | A Method Statement for the management of stormwater which also considers the recommendations below is to be submitted to the ECO.   | Solaire Direct | 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. |
|  | Reduce the potential increase in surface flow velocities and the resultant impact on the localised drainage system through increased sedimentation.                                 | Solaire Direct | 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. |
|  | Appropriately plan hard-engineered bank erosion protection structures to minimise erosion potential.  | Solaire Direct | 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. |
|  | Design measures for stormwater management need to allow for surface and subsurface movement of water along drainage lines so as not to impede natural surface and subsurface flows. | Solaire Direct | Planning and<br>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<br>Rating | Audit Finding  |
|---|--|----------------|-----------------------|----------------------|--|
| Search and Rescue of all translocatable indigenous plants | Develop and implement an appropriate plant Search and Rescue program.  | Solaire Direct | 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. |
|   | Search and Rescue (S&R) of certain translocatable, selected succulents, shrubs and bulbs occurring in long term and permanent hard surface development footprints (i.e. all buildings, new roads and tracks, laydown areas, and panel positions) should take place. All such development footprints must be surveyed and pegged out as soon as possible, and then a local horticulturalist with Search and Rescue experience should be appointed to undertake the S&R. All rescued species should be kept in the horticulturist's or designated on-site nursery and should be returned to the site once all construction is completed and rehabilitation of disturbed areas is required. Replanting should occur in Spring or early in Summer (August to January), once the first rains have fallen, in order to facilitate establishment. Plants that can be considered for rescue are all bulbs and succulents and certain shrubs. | Specialist     | Prior to 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. |
| 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. The procedure should include details of the  | Solaire Direct | Pre-<br>construction  | N/A                  | Action/control measure is not applicable considering the status of the project. This measure will become applicable once the project                                   |

| Objective | Mitigation: Action/control  | Responsibility | Timeframe            | Compliance<br>Rating | Audit Finding  |
|-----------|---|----------------|----------------------|----------------------|--|
|           | contact person who will be receiving issues raised by Interested and Affected Parties, and the process that will be followed to address issues.   |                |                      |                      | receives preferred bidder status.  |
|           | Develop and implement a grievance mechanism for the construction, operational and closure phases of the project for all employees, contractors, subcontractors and site personnel. The procedure should be in line with the South African Labour Law. | Solaire Direct | Pre-<br>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. |
|           | 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  | Solaire Direct | Pre-<br>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. |

#### 8. AUDIT RESULTS AND RECOMMENDATIONS

### 8.1. Overview of Audit Findings and Conclusion

Taking into consideration that the Sannaspos PV Plant Phase 1 is yet to be constructed, 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 audit and report 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, the calculation of an overall compliance percentage for the Sannaspos PV Plant Phase 1 is not possible at this stage (refer to **Table 5**). A 'Not Applicable' (N/A) rating has, however, been allocated for conditions not applicable at this stage of the project.

Table 5: Overview of the Sannaspos PV Plant Phase 1 overall compliance

| Compliance    | Rating | Description of compliance  |         | EMPr |  |
|---------------|--------|--|---------|------|--|
| status        |        |  | 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. However, in order to ensure that the planning and design of the facility adequately addresses all environmental sensitives, it is recommended that the following conditions be included in the Design and Planning Phase EMPr:

- » Finalise all layout components and submit to the DEA for approval prior to commencement of construction;
- » Undertake a pre-construction walk through of the final facility layout in order to identify any protected plant and tree species.
- » Vegetation clearing should only commence after the walk-through has been conducted and necessary permits obtained.

#### 9.2. Closure impact avoidance, management and mitigation

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

#### 9.3. Ensuring compliance with provisions of the EMPr

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

Considering that the Sannaspos PV Plant Phase 1 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

No non-compliances were recorded as part of the independent external environmental compliance audit. As a result, no recommendations arising from the compliance audit are considered applicable.

It is the opinion of the independent auditor that EMPr Revision 0 (February 2013), and its supporting documentation sufficiently provides for the avoidance, management and mitigation of environmental impacts associated with the pre-construction, construction and operation phases of the project and ensures compliance with the provisions of the EA (DEA Reference No.: 14/12/16/3/3/2/360). Recommendations are however made for the amendment of the EMPr to include additional conditions in the planning and design phase to ensure impacts are minimised, and also for the compilation of an EMPr for decommissioning once this phase is applicable to the project.

## 11. STAKEHOLDER CONSULTATION

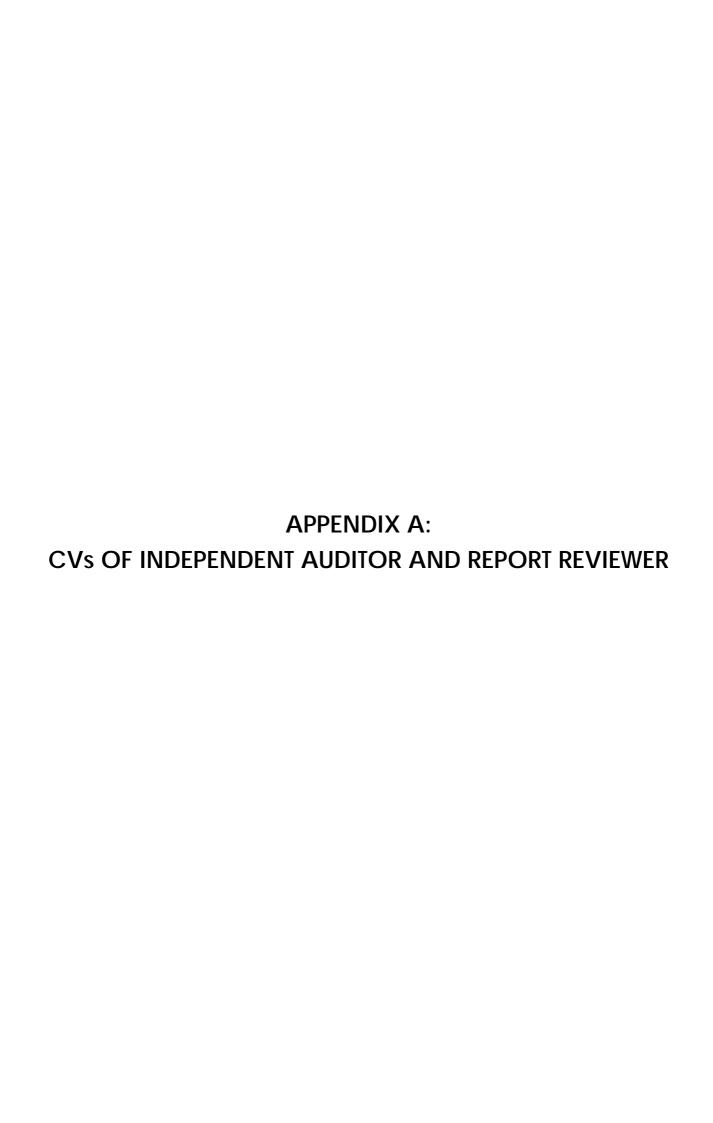
#### 11.1. Notification of all potential and registered interested and affected parties

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 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, Volksblad, on 5<sup>th</sup> December 2019 (refer to **Appendix B** for advertisement);
- » Notification of all registered I&APs via email before 7th December 2019 (refer to Appendix C); and
- » Uploading the audit report onto the Savannah Environmental website (https://www.savannahsa.com/) for download.





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Tel: +27 (11) 656 3237

#### **CURRICULUM VITAE OF KHOMOTJO REUBEN MAROGA**

**Profession:** Environmental Consultant

**Specialisation:** Environmental Impact Assessments, Basic Assessments, Site Visits, Compilation of

Environmental Management Programmes and Liaison with authorities

**Work Experience:** 3 years of experience in the environmental management field

#### **VOCATIONAL EXPERIENCE**

Khomotjo Reuben Maroga has three years of experience in the environmental field. He has worked on a mining infrastructure project in compiling environmental control officer's reports and conducting air and groundwater monitoring using the DustTrak DRX Aerosol Monitor and a Bailer as apparatuses. Additionally, he has aided Eco-Elementum & Engineering on WUL applications and ElAs.

#### **SKILLS BASE AND CORE COMPETENCIES**

- Compilation of Environmental Impact Assessment (EIA) Reports
- Undertaking Water Use Authorisations
- ECO Report Writing
- Project Management
- Environmental Monitoring

#### **EDUCATION AND PROFESSIONAL STATUS**

#### Degrees:

- B.Sc. (Hons) Geology, University of Johannesburg, 2016
- B.Sc. Geology and Environmental Management, University of Johannesburg, 2015

#### Courses:

- Business Communication, ProEarth Learning Academy (Pty) in Middelburg (2018)
- Describe the functions of a Health and Safety representative, Elite Training (Pty) Ltd in Middelburg (2017)
- Basic Fire Fighting, Elite Training (Pty) Ltd in Middelburg (2017)
- Combined OSHAS 18001: 2007 and ISO 14001: 2015 Introduction, NOSA in eMalahleni (2017)
- Combined OSHAS 18001: 2007 and ISO 14001: 2015 Implementation (2017), NOSA in eMalahleni (2017)
- Emotional Intelligence, LearnMe (Pty) Ltd in Middelburg (2017)

## **EMPLOYMENT**

| Date                   | Company                          | Roles and Responsibilities                                |
|------------------------|----------------------------------|---|
| October 2018 - current | Savannah Environmental (Pty) Ltd | Environmental Consultant                                  |
|                        |                                  |   |
|                        |                                  | <u>Tasks include:</u> Applying applicable legislation,    |
|                        |                                  | research of related environmental policy                  |
|                        |                                  | documentation required for EIAs, efficient and            |
|                        |                                  | quality report writing, liaison with relevant             |
|                        |                                  | environmental authorities, site visits, compilation       |
|                        |                                  | of application forms, environmental                       |
|                        |                                  | management programmes (EMPrs) and public                  |
|                        |                                  | participation include documentation. Other                |
|                        |                                  | related tasks include undertaking water use               |
|                        |                                  | license applications, environmental auditing              |
|                        |                                  | (Environmental Control Officer – ECO work) and            |
|                        |                                  | any other related authorisation, permitting and           |
|                        |                                  | licensing tasks (on an as and when required               |
|                        |                                  | basis).   |
| September 2016 -       | Yoctolux Collieries (Pty) Ltd    | Environmental Management Intern                           |
| October 2018           |                                  |   |
|                        |                                  | <u>Tasks included</u> : Drafting monthly ECO reports,     |
|                        |                                  | conducting monthly environmental monitoring,              |
|                        |                                  | providing assistance on WULAs and EIAs to Eco-            |
|                        |                                  | Elementum & Engineering (Pty) Ltd and providing           |
|                        |                                  | oversight on IAPs eradication and management              |
|                        |                                  | programme.  |
| January – September    | University of Johannesburg       | Second-year Practical Demonstrator                        |
| 2016                   | Auckland Park, Kingsway Campus   |   |
|                        |                                  | <u>Tasks included</u> : Marking of practical's, attending |
|                        |                                  | to any ad-hoc administrative duties and liaising          |
|                        |                                  | with designated lecturers.                                |

## PROJECT EXPERIENCE

# **BASIC ASSESSMENTS**

## **Wastewater Treatment Project**

| Project Name & Location                        | Client Name                     | Role       |
|--|---------------------------------|------------|
| Kriel Power Station Lime Plant Upgrade, Kriel, | Eskom Holdings SOC Limited      | Junior EAP |
| Mpumalanga                                     | Khuliso Rasimphi : 017 615 2634 |            |
| Matla Power Station Reverse Osmosis Plant,     | Eskom Holdings SOC Limited      | EAP        |
| Mpumalanga                                     | Refilwe Mokobodi, 017 612       | /          |
|  | 6263 / 072 997 8780             | /          |

## Renewable Energy

| Project Name & Location                            | Client Name                    | Role       |
|--|--------------------------------|------------|
| Basic Assessment Process for Sirius 2x 100MW Solar | SOLA Future Energy (Pty) Ltd   | EAP        |
| Photovoltaic facilities, Upington, Northern Cape   | Tseliso Mahao: 076 067 8221    |            |
|  | Sebastian Hirschmann:          |            |
|  | 021 421 9764 / 072 013 0806    |            |
| Basic Assessment Process for Aggeneys 2x 100MW     | Atlantic Energy Partners (Pty) | Junior EAP |
| Solar Photovoltaic facilities and associated grid  | Ltd and ABO Wind Aggeneys      |            |
| connection infrastructure, Aggeneys, Northern      | PV 1 and 2 (Pty) Ltd           |            |
| Cape.  | Sonia Miszczak: 021 418 2596   |            |
| Basic Assessment Process for Khunab 4x 75MW Solar  | Atlantic Energy Partners (Pty) | EAP        |
| Photovoltaic facilities near Upington, Northern    | Ltd and Abengoa South          |            |
| Cape.  | Africa                         |            |
|  | Peter Smith: 021 418 2596      |            |

## Infrastructure Development

| Project Name & Location                           | Client Name                  | Role       |
|---|------------------------------|------------|
| Basic Assessment Process for the Wilmar Vegetable | Wilmar Processing (Pty) Ltd  | Junior EAP |
| Oil Pipeline, Richards Bay, Kwa-Zulu Natal.       | Aidan Dowdle: 082 872 3628   |            |
|   | Gerard te Nuyl: 082 888 9421 |            |

## **Waste Management**

| Project Name & Location                               | Client Name                    | Role |
|---|--------------------------------|------|
| Decommissioning of the Asbestos landfill at the Kriel | Eskom Holdings SOC Limited     | EAP  |
| Power Station, Mpumalanga.                            | Khuliso Rasimphi: 017 615 2634 |      |

# <u>PART 1 AMENDMENT APPLICATIONS</u> Renewable Energy

| Project Name & Location                            | Client Name               | Role       |
|--|---------------------------|------------|
| 20MW Konkoonsies Solar Photovoltaic facility,      | Biotherm Energy (Pty) Ltd | Junior EAP |
| Pofadder, Northern Cape.                           | Sandhisha Nairan: 011 367 |            |
|  | 4600                      |            |
| 10MW Aries Solar PV Photovoltaic facility, near    | Biotherm Energy (Pty) Ltd | Junior EAP |
| Kenhardt, Northern Cape.                           | Sandhisha Nairan: 011 367 |            |
|  | 4600                      |            |
| 27MW Klipheuwel/Dassiefontein Wind Energy facility | Biotherm Energy (Pty) Ltd | Junior EAP |
| near Calendon, Western Cape.                       | Sandhisha Nairan: 011 367 |            |
|  | 4600                      |            |
| Matzikama Solar PV Photovoltaic facility, near     | SolaireDirect (Pty) Ltd   | EAP        |
| Vredendal, Western Cape.                           | Reggie Niemand: 082 674   |            |
|  | 1233                      |            |
| Grootspruit Solar PV Photovoltaic facility, near   | SolaireDirect (Pty) Ltd   | EAP        |
| Welkom, Free State.                                | Reggie Niemand: 082 674   |            |
|  | 1233                      | 120        |
| Reddersburg Solar PV Photovoltaic facility, near   | SolaireDirect (Pty) Ltd   | EAP        |
| Reddersburg, Free State.                           |                           |            |

|  | Reggie Niemand: 082 674     |     |
|--|-----------------------------|-----|
|  | 1233                        |     |
| Graspan Solar PV Photovoltaic facility, near       | SolaireDirect (Pty) Ltd     | EAP |
| Hopetown, Northern Cape                            | Reggie Niemand: 082 674     |     |
|  | 1233                        |     |
| Genoegsaam Solar PV Photovoltaic facility in the   | SolaireDirect (Pty) Ltd     | EAP |
| Inxuba Yethemba Local Municipality, Eastern Cape   | Reggie Niemand: 082 674     |     |
|  | 1233                        |     |
| Loeriesfontein 4 x 22kV Transmission Lines,        | BioTherm Energy (Pty) Ltd   | EAP |
| Loeriesfontein, Northern Cape                      | Sandhisha Narain            |     |
|  | 011 367 4601 / 060 966 9234 |     |
|  |                             |     |
| Alldays Phase 2 CPV/PV, near Alldays, Limpopo      | BioTherm Energy (Pty) Ltd   | EAP |
| Province   | Sandhisha Narain            |     |
|  | 011 367 4601 / 060 966 9234 |     |
|  |                             |     |
| Kenhardt 132kV Power Line, near Kenhardt, Northern | BioTherm Energy (Pty) Ltd   | EAP |
| Cape Province                                      | Sandhisha Narain            |     |
|  | 011 367 4601 / 060 966 9234 |     |
|  |                             |     |
| Grootspruit PV 10MW Solar Facility, near Welkom,   | SolaireDirect (Pty) Ltd     | EAP |
| Free State Province.                               | Reggie Niemand: 082 674     |     |
|  | 1233                        |     |

## **SECTION 53 APPLICATIONS**

## Renewable Energy

| Project Name & Location                              | Client Name               | Role |
|--|---------------------------|------|
| Section 53 applications for the Veld PV North and PV | Veld Renewables (Pty) Ltd | EAP  |
| South, Northern Cape.                                | Jason Cope: 021 020 1044/ |      |
|  | 082 598 1123              | ļ    |

## WATER USE AUTHORISATION APPLICATIONS

| Project Name & Location                            | Client Name                  | Role       |
|--|------------------------------|------------|
| General Authorisation for the Wilmar Vegetable Oil | Wilmar Processing (Pty) Ltd  | Junior EAP |
| Pipeline, Richards Bay, Kwa-Zulu Natal.            | Aidan Dowdle: 082 872 3628   |            |
|  | Gerard te Nuyl: 082 888 9421 |            |

| Project Name & Location                     | Client Name                     | Role      |
|---|---------------------------------|-----------|
| Compiling a water use licence report for an | Diepsoils Investments (Pty) Ltd | Assistant |
| underground coal mining development (Tala   |                                 |           |
| Bethal Coal) in Hendrina, Mpumalanga.       |                                 |           |



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#### **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**

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:**

- Environmental and Social Risk Management (ESRM), International Finance Corporation, 2018
- Integrated Water Resource Management, the National Water Act, and Water Use Authorisations, CSBSS, 2017
- WindFarmer Wind Farm Design course, Garrad Hassan, 2009
- Environmental Law Course, Aldo Leopold Institute, 2002
- Water Quality Management, Potchefstroom University, 1998

#### **Professional Society Affiliations:**

- Registered with the South African Council for Natural Scientific Professions as a Professional Natural Scientist: Environmental Science (400106/99)
- Registered with the International Associated for Impact Assessment South Africa (IAIAsa): 5888

#### 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 – 2005:    | Bohlweki Environmental (Pty) Ltd | Associate  |
|                 |                                  | Environmental Management Unit: Manager;          |
|                 |                                  | Principle Environmental Scientist focussing on   |
|                 |                                  | Environmental Management and Project             |
|                 |                                  | Management                                       |

## PROJECT EXPERIENCE

Experience includes projects associated with electricity generation and transmission, wastewater treatment facilities, mining and prospecting activities, property development, and national roads, as well as strategy and guidelines development.

## RENEWABLE POWER GENERATION PROJECTS: PHOTOVOLTAIC SOLAR ENERGY FACILITIES

## **Environmental Impact Assessments and Environmental Management Programmes**

| Project Name & Location                                       | Client Name   | Role                  |
|---|---|-----------------------|
| Aggeneys PV Plant, Northern Cape                              | Solar Capital   | Project Manager & EAP |
| Blackwood PV SEF, Free State                                  | VentuSA Energy  | Project Manager & EAP |
| Bloemsmond PV 1 & PV 2 SEF's, Northern Cape                   | Atlantic Energy Partners                              | Project Manager & EAP |
| Bosjesmansberg PV SEF, Northern Cape                          | Networx   | Project Manager & EAP |
| Boundary PV SEF, Northern Cape                                | VentuSA Energy  | Project Manager & EAP |
| Buffels PV 1 & PV 2 SEF's, North West                         | Kabi Energy   | Project Manager & EAP |
| Do Agr DV SEE Northern Cana                                   | African Clean Energy                                  | Project Manager & EAP |
| De Aar PV SEF, Northern Cape                                  | Developments (ACED)                                   | Project Manager & EAP |
| De Aar PV Solar Energy Plant, Northern Cape                   | Solar Capital   | Project Manager & EAP |
| Gihon& Kison PV SEF's, Limpopo                                | Networx   | Project Manager & EAP |
| Gunstfontein PV SEF, Northern Cape                            | Networx / Prana Energy                                | Project Manager & EAP |
| Harmony Eland, Nyala & Tshepong PV SEF's, Free                | BEEEntropie Renewable                                 | Project Manager & EAP |
| State   | Innovation  | Project Manager & EAP |
| Hibernia SEF, North West                                      | EA Energy   | Project Manager & EAP |
| Iziko PV SEF, Mpumalanga                                      | VentuSA Energy  | Project Manager & EAP |
| Kabi Kimberley PV Facility at DeBeers, Northern Cape          | Kabi Solar  | Project Manager & EAP |
| Karoo Renewables PV SEF, Northern Cape                        | SARGE   | Project Manager & EAP |
| Kheis Phase 1, 2 & 3 PV SEF, Northern Cape                    | GeStamp Solar   | Project Manager & EAP |
| Klipgat PV SEF, Northern Cape                                 | Terra Solar   | Project Manager & EAP |
| Loeriesfontein/Helios PV SEF, Northern Cape                   | Solar Capital   | Project Manager & EAP |
| Naauwpoort PV SEF , Northern Cape                             | Terra Solar   | Project Manager & EAP |
| Orkney PV SEF, North West                                     | Genesis Eco-Energy                                    | Project Manager & EAP |
| Pofadder SEF, Northern Cape                                   | Mainstream Renewable                                  | Project Manager & EAP |
| Prieska North PV SEF, Northern Cape                           | VentuSA Energy  | Project Manager & EAP |
| Prieska PV SEF, Northern Cape                                 | VentuSA Energy  | Project Manager & EAP |
| Ritchie PV SEF, Northern Cape                                 | Solar Capital   | Project Manager & EAP |
| San Solar PV SEF, Northern Cape                               | VentuSA Energy  | Project Manager & EAP |
| Sirius (Tungston Lodge) PV Solar Plants (x2, Northern<br>Cape | Aurora Power Solutions                                | Project Manager & EAP |
| Sol Invictus x4 PV Developments, Northern Cape                | Building Energy                                       | Project Manager & EAP |
| Solar Plant at Kathu (Wincanton), Northern Cape               | REISA   | Project Manager & EAP |
| Solar Plant at Sishen (Wincanton), Northern Cape              | VentuSA Energy  | Project Manager & EAP |
| Solar Plant at Sishen (Wincanton), Northern Cape              | VentuSA Energy  | Project Manager & EAP |
| SolarReserve Kotulo Tsatsi PV1 SEF, Northern Cape             | Kotulo Tsatsi Energy and<br>SolarReserve South Africa | Project Manager & EAP |
| SolarReserve Kotulo Tsatsi PV2 Facility, Northern Cape        | Kotulo Tsatsi Energy and                              | Project Manager 9 EAD |
| province  | SolarReserve South Africa                             | Project Manager & EAP |
| Stormberg Solar PV SEF, Eastern Cape                          | Networx / Prana Energy                                | Project Manager & EAP |
| Tewa Isitha (Grootdrink/Albany) PV SEF, Northern<br>Cape      | Africoast Engineers                                   | Project Manager & EAP |

| Project Name & Location                            | Client Name              | Role                  |
|--|--------------------------|-----------------------|
| Tiger Kloof PV SEF near Vryburg, North West        | Kabi Energy              | Project Manager & EAP |
| Tiger Solar PV SEF, Northern Cape                  | Kabi Energy              | Project Manager & EAP |
| Vaalkop and Witkop PV SEF's, North West            | Kabi Solar               | Project Manager & EAP |
| Wagnbietjiespan PV SEF, Free State                 | VentuSA                  | Project Manager & EAP |
| Wolmaransstad Municipality PV SEF, North West      | BlueWave                 | Project Manager & EAP |
| Woodhouse PV 1 & PV 2 SEF's, North West            | Genesis Eco-Energy       | Project Manager & EAP |
| Zuurwater PV SEF's (x4), Northern Cape             | Solafrica / BlueWave     | Project Manager & EAP |
| Three PV SEF facilities in Lichtenburg, North West | Atlantic Energy Partners | Project Manager & EAP |

## **Basic Assessments**

| Project Name & Location                                    | Client Name                | Role                      |
|--|----------------------------|---------------------------|
| Amandla Welanga & Dida PV SEF's near Noupoort,             | Terra Solar                | Project Manager & EAP     |
| Northern Cape  |                            |                           |
| Carolusberg PV SEF, Northern Cape                          | Ilio Energy (SARGE)        | Project Manager & EAP     |
| Gosforth Park and Kynoch Rooftop PV SEF's Northern         | Building Energy            | Project Manager & EAP     |
| Cape   | BI W                       | 5 : 111                   |
| Hennenman PV SEF, Free State                               | BlueWave                   | Project Manager & EAP     |
| Hibernia PV SEF near Lichtenburg, North West               | EA Energy                  | Project Manager & EAP     |
| Inkulukelo PV SEF, Northern Cape                           | Terra Solar                | Project Manager & EAP     |
| Kabi Kimberley PV SEF, Northern Cape                       | Kabi Energy                | Project Manager & EAP     |
| Kokerboom & Boabab PV Solar Energy Plants,                 | Draw Co even               | Drain at Maria gray 9 FAD |
| Northern Cape  | Brax Energy                | Project Manager & EAP     |
| A A included by the DV/ CEE. A Area transfer and           | African Clean Energy       | Project Manager & EAP     |
| Middelburg PV SEF, Mpumalanga                              | Developments (ACED)        |                           |
| Nigramoep PV Solar Energy Plant, Northern Cape             | SARGE                      | Project Manager & EAP     |
| Noupoort (Kleinfontein and Toitdale) CPV, Northern         | T D                        | Project Manager & EAP     |
| Cape   | Terra Power                | Project Manager & EAP     |
| O'Kiep 1 PV Solar Energy Plant, Northern Cape              | Ilio Energy (SARGE)        | Project Manager & EAP     |
| O'Kiep 2 PV Solar Energy Plant, Northern Cape              | BluePort Trade 118 (SARGE) | Project Manager & EAP     |
| O'Kiep 3 PV Solar Energy Plant, Northern Cape              | Ilio Energy (SARGE)        | Project Manager & EAP     |
| Rodicon PV SEF, Mpumalanga                                 | VentuSA Energy             |                           |
| Slurry PV SEF, North West                                  | PPC                        | Project Manager & EAP     |
| Small projects for PV SEF's, North West                    | BlueWave                   | Project Manager & EAP     |
| Son Sitrus Rooftop PV Installation, Eastern Cape           | Building Energy            | Project Manager & EAP     |
| Tollie PV SEF, Northern Cape                               | Terra Solar                | Project Manager & EAP     |
| x2 Southern Farms PV Solar Energy Plants, Northern<br>Cape | Southern Farms             | Project Manager & EAP     |

## **Screening Studies**

| Project Name & Location   | Client Name  | Role                  |
|---|--|-----------------------|
| Allemans, Wonderheuwel, Damfontein & Dida PV SEF's, Northern Cape                 | Terra Solar  | Project Manager & EAP |
| Amandla Welang, Gillmer & Inkululeko PV SEF's,<br>Northern Cape                   | GeoSolar/TerraSolar                                | Project Manager & EAP |
| Blouputs PV, Onseepkans PV, Hoogelegen PV & Boegoeberg PV projects, Northern Cape | Engineering Development Industrial Projects (EDIP) | Project Manager & EAP |
| Bobididi PV SEF, Limpopo  | Root 60Four Energy                                 | Project Manager & EAP |
| Boshof-Les Marais / Buitenfontein SEF, Free State                                 | Bluewave Capital                                   | Project Manager & EAP |
| Bosjesmansberg PV SEF, Northern Cape  | Networx  | Project Manager & EAP |

| Project Name & Location                                   | Client Name                  | Role                   |
|---|------------------------------|------------------------|
| Class 2 & Class 3 Road Networks in the vicinity of the    | SMEC South Africa (on behalf |                        |
| proposed Tambo Springs Freight Hub, Gauteng               | of Gauteng Department of     | Project Manager & EAP  |
| proposed rattibo spiritgs treight flob, Gabierig          | Roads & Transport)           |                        |
| Hibernia SEF, North West                                  | EA Energy                    | Project Manager & EAP  |
| Lephalale PV SEF, Limpopo                                 | Exxaro                       | Project Manager & EAP  |
| Prieska PV SEF, Northern Cape                             | Terra SOlar                  | Project Manager & EAP  |
| Proposed Solar Project near Hotazel, Northern Cape        | ABO Wind                     | Project Manager & EAP  |
| province  | ABO WING                     |                        |
| Proposed Solar Project near Beaufort West, Western        | ABO Wind                     | Project Manager & EAP  |
| Cape  | ABO WING                     |                        |
| Proposed Solar Project near Lichtenburg, North West       | ABO Wind                     | Project Manager & EAP  |
| province  | ABO WING                     |                        |
| PV SEF's (x15) for the projects for the REIPP small scale | Puilding Energy              | Project Manager & EAR  |
| BID, Nationwide   | Building Energy              | Project Manager & EAP  |
| Senekal 1 & 2, Pongola & Newcastle PV SEF's, Kwa-         | Building Energy              | Project Manager & EAP  |
| Zulu-Natal  | boliding Energy              | Flojeci Mariager & EAF |
| Small scale PV SEF project - 2nd Stage One                | Bluewave Capital             | Project Manager & EAP  |
| Small scale PV SEF project - 2nd Stage One                | Building Energy              | Project Manager & EAP  |
| Stella Helpmekaar SEF, North West                         | Bluewave Capital             | Project Manager & EAP  |
| Wolmaransstad Municipality SEF, North West                | Bluewave Capital             | Project Manager & EAP  |
| Solar Project near Beaufort West, Western Cape            | ABO Wind                     | Project Manager & EAP  |
| Solar Project near Lichtenburg, Western Cape              | ABO Wind                     | Project Manager & EAP  |
| Solar Project near Hotazel, Western Cape                  | ABO Wind                     | Project Manager & EAP  |

# Environmental Compliance, Auditing and ECO

| Project Name & Location                            | Client Name             | Role            |
|--|-------------------------|-----------------|
| ECO for the Contraction of the De Aar & Prieska PV | GeStamp                 | Project Manager |
| Facilities, Northern Cape                          |                         |                 |
| ECO for the Construction of the Kathu PV Facility, | REISA / Building Energy | Project Manager |
| Northern Cape                                      |                         |                 |

# Compliance Advice and ESAP Reporting

| Project Name & Location                              | Client Name             | Role                  |
|--|-------------------------|-----------------------|
| ACWA Power SolarReserve Redstone Solar Plant,        | SolarReserve            | Environmental Advisor |
| Northern Cape  | 30idi Kesei ve          | Environmental Advisor |
| Bokpoort PV SEF, Northern Cape                       | Solafrica               | Environmental Advisor |
| Boshof PV SEF, Free State                            | BlueWave                | Environmental Advisor |
| Hennenman PV SEF, Free State                         | BlueWave                | Environmental Advisor |
| Kathu II SEF, Northern Cape                          | Building Energy         | Environmental Advisor |
| Kathu PV SEF, Northern Cape                          | Building Energy / REISA | Environmental Advisor |
| Prieska PV SEF, Northern Cape                        | VentuSA                 | Environmental Advisor |
| San Solar SEF, Northern Cape                         | VentuSA / Acciona       | Environmental Advisor |
| Sishen PV SEF Phase 1, Northern Cape                 | Aveng / Acciona         | Environmental Advisor |
| Wolmaransstad Municipality Solar PV SEF, North West  | BlueWave                | Environmental Advisor |
| ESAP reporting for the opertaion phase of the Mulilo | Mulilo and X-Elio       | Environmental Advisor |
| Solar PV De Aar and Mililo Solar PV Prieska          | Mollio di la X-Lilo     | Environmental Advisor |

## **Due Diligence Reporting**

| Project Name & Location                | Client Name   | Role                  |
|--|---------------|-----------------------|
| Kabi Kimberley PV Plant, Northern Cape | Enertis Solar | Environmental Advisor |

| Project Name & Location                 | Client Name          | Role                  |
|---|----------------------|-----------------------|
| Sishen Solar Farm, Northern Cape        | Acciona (Windfall 59 | Environmental Advisor |
|   | Properties)          |                       |
| Vaal River Solar 1 PV plant, North West | Enertis Solar        | Environmental Advisor |

## **Environmental Permitting & Water Use License (WUL) Applications**

| Project Name & Location                               | Client Name         | Role                  |
|---|---------------------|-----------------------|
| Permitting for the Kathu PV SEF, Northern Cape        | Abengoa Solar       | Project Manager & EAP |
| S53 application for Kabi Kimberley De Beers PV        | Kabi Energy         | Project Manager & EAR |
| Plant, Northern Cape                                  | Kabi Lileigy        | Project Manager & EAP |
| \$53 application for the Blackwood PV SEF, Free State | VentuSA Energy      | Project Manager & EAP |
| \$53 application for the Boundary PV SEF, Northern    | VentuSA Energy      | Project Manager & EAP |
| Cape  | Verilos A Lifergy   | 110ject Manager & EAI |
| S53 application for Vaalkop & Witkop PV SEF's, North  | Kabi Energy         | Project Manager & EAP |
| West  | Kubi Lileigy        | Hojeci Managei & LAi  |
| \$53 applications for various projects (Amandla       |                     |                       |
| Welang, Didar, Inkululeko, Kleinfontein, Klip Gat,    | Terra Solar         | Project Manager & EAP |
| Naau Poort, Toitdale & Tollie PV SEF's), Northern     | Terra solar         | Troject Manager & LAI |
| Cape  |                     |                       |
| WUL application for the Woodhouse PV1 & PV2           | Genesis Eco-Energy  | Project Manager & EAP |
| SEF's, North West                                     | Genesis Eco-Lineigy | Troject Manager & LAI |

## RENEWABLE POWER GENERATION PROJECTS: CONCENTRATED SOLAR FACILITIES (CSP)

## **Environmental Impact Assessments and Environmental Management Programmes**

| Project Name & Location  | Client Name   | Role                    |
|--|---|-------------------------|
| De Aar CSP Energy facility, Northern Cape                          | African Clean Energy<br>Developments (ACED)           | Project Manager & EAP   |
| Khi Solar One CSP facility, Northern Cape                          | Abengoa Solar   | Project Manager & EAP   |
| Noupoort CSP facility, Northern Cape                               | Cresco  | Project Manager & EAP   |
| Paulputs CSP facility, Northern Cape                               | Abengoa Solar   | Project Manager & EAP   |
| Pofadder & Upington CSP facilities, Northern Cape                  | Abengoa Solar   | Project Manager & EAP   |
| SolarReserve Kotulo Tsatsi CSP facility, Northern<br>Cape province | SolarReserve  | Project Manager & EAP   |
| SolarReserve Kotulo Tsatsi CSP1 facility, Northern                 | Kotulo Tsatsi Energy and                              | Project Manager & EAP   |
| Cape   | SolarReserve South Africa                             | Troject Mariager & E/ ( |
| SolarReserve Kotulo Tsatsi CSP2 facility, Northern<br>Cape         | Kotulo Tsatsi Energy and<br>SolarReserve South Africa | Project Manager & EAP   |
| SolarReserve Kotulo Tsatsi CSP3 facility, Northern<br>Cape         | Kotulo Tsatsi Energy and<br>SolarReserve South Africa | Project Manager & EAP   |
| Upington 2 CSP facility, Northern Cape                             | Abengoa Solar   | Project Manager & EAP   |
| Upington 3 CSP facility, Northern Cape                             | Abengoa Solar   | Project Manager & EAP   |
| Xina Solar One CSP facility, Northern Cape                         | Abengoa Solar   | Project Manager & EAP   |

## Environmental Compliance, Auditing and ECO

| Project Name & Location                | Client Name   | Role            |
|--|---------------|-----------------|
| KaXu Solar One facility, Northern Cape | Abengoa Solar | Project Manager |
| Khi Solar One facility, Northern Cape  | Abengoa Solar | Project Manager |
| Xina Solar One facility, Northern Cape | Abengoa Solar | Project Manager |

## **Screening Studies**

| Project Name & Location                             | Client Name | Role                  |
|---|-------------|-----------------------|
| Site Identification Tool for Proposed CSP Projects, | Exxaro      | Environmental Advisor |
| Limpopo   |             |                       |

## **Compliance Advice and ESAP reporting**

| Project Name & Location                           | Client Name   | Role                      |
|---|---------------|---------------------------|
| Kaxu Solar One CSP facility, Northern Cape        | Abengoa Solar | Environmental Advisor     |
| Khi Solar One CSP facility, Northern Cape         | Abengoa Solar | Environmental Advisor     |
| SolarReserve Kotulo Tsatsi CSP facility, Northern | SolarReserve  | Environmental Advisor     |
| Cape province                                     | Soldikeserve  | LITVITOTITIETTIGI AGVISOI |
| Xina One CSP facility, Northern Cape              | Abengoa Solar | Environmental Advisor     |

## RENEWABLE POWER GENERATION PROJECTS: WIND ENERGY FACILITIES

## **Environmental Impact Assessments and Environmental Management Programmes**

| Project Name & Location  | Client Name  | Role                  |
|--|--|-----------------------|
| ABs WEF near Indwe, Eastern Cape   | Rainmaker Energy   | Project Manager & EAP |
| Amakhala Emoyeni WEF, Eastern Cape   | Windlab Developments                                     | Project Manager & EAP |
| Amatole (2 phases) WEF, Eastern Cape                                       | Genesis ECO-Energy                                       | Project Manager & EAP |
| Boulders Wind Farm, Western Cape   | IPD Power  | Project Manager & EAP |
| Britannia Bay WEF, Western Cape  | Terra Power Solutions                                    | Project Manager & EAP |
| Castle WEF in De Aar, Northern Cape  | Juwi Renewable Energies                                  | Project Manager & EAP |
| Cookhouse WEF, Eastern Cape  | African Clean Energy Developments (ACED) & Tertia Waters | Project Manager & EAP |
| Deep River Wind Energy Facility, Eastern Cape                              | VentuSA Energy   | Project Manager & EAP |
| Dorper Phase 1 WEF, Eastern Cape   | Rainmaker Energy   | Project Manager & EAP |
| Elliot WEF, Eastern Cape   | Rainmaker Energy   | Project Manager & EAP |
| Garob WEF, Northern Cape   | Juwi Renewable Energies                                  | Project Manager & EAP |
| Gouda WEF, Western Cape  | VentuSA Energy   | Project Manager & EAP |
| Great Karoo WEF, Northern Cape   | African Clean Energy<br>Developments (ACED)              | Project Manager & EAP |
| Gunstfontein WEF, Northern Cape  | African Clean Energy<br>Developments (ACED)              | Project Manager & EAP |
| Happy Valley WEF, Eastern Cape   | REISA  | Project Manager & EAP |
| Hidden Valley WEF, Northern Cape   | African Clean Energy Developments (ACED)                 | Project Manager & EAP |
| Hopefield WEF, Western Cape  | Umoya Energy   | Project Manager & EAP |
| Karoo Renewable Energy Facility, Northern & Western<br>Cape                | SARGE  | Project Manager & EAP |
| Karreebosch Wind Farm (Roggeveld Phase 2),<br>Northern Cape & Western Cape | G7 Renewable Energies                                    | Project Manager & EAP |
| Karusa Wind Farm, Northern Cape  | African Clean Energy<br>Development                      | Project Manager & EAP |
| Klipheuwel / Dassiesfontein WEF, Western Cape                              | BioTherm Energy  | Project Manager & EAP |
| Nojoli WEF , Eastern Cape  | African Clean Energy<br>Developments                     | Project Manager & EAP |
| Nxuba WEF , Eastern Cape   | African Clean Energy<br>Developments                     | Project Manager & EAP |
| Olifants River WEF, Western Cape   | SARGE  | Project Manager & EAP |

| Project Name & Location                 | Client Name            | Role                   |
|---|------------------------|------------------------|
| Oyster Bay WEF, Eastern Cape            | RES                    | Environmental Advisor  |
| Pofadder x3 WEF's, Northern Cape        | Mainstream Renewable   | Project Manager & EAP  |
| Project Blue WEF, Northern Cape         | Windy World            | Project Manager & EAP  |
| Rheboksfontein WEF, Western Cape        | Moyeng Energy          | Project Manager & EAP  |
| Riverbank WEF near Wesley, Eastern Cape | Just Energy            | Project Manager & EAP  |
| Sere WEF, Western Cape                  | Eskom Generation       | Project Manager & EAP  |
| Soetwater Wind Farm, Northern Cape      | African Clean Energy   | Project Manager & EAP  |
| 30erwarer wind raim, Normem Cape        | Development            | 110ject Mariager & LAI |
| Springfontein WEF, Northern Cape        | Mainstream Renewable   | Project Manager & EAP  |
| Stormberg WEF, Eastern Cape             | Networx / Prana Energy | Project Manager & EAP  |
| Suurplaat WEF, Western & Northern Cape  | Moyneg Energy          | Project Manager & EAP  |
| Uiekraal WEF, Western Cape              | Crenersol              | Project Manager & EAP  |
| West Coast One WEF, Western Cape        | Moyeng Energy          | Project Manager & EAP  |
| West Coast WEF, Western Cape            | Exxaro                 | Project Manager & EAP  |
| Zen WEF near Gouda, Western Cape        | VentuSA Energy         | Project Manager & EAP  |

# Basic Assessments

| Project Name & Location   | Client Name           | Role                  |
|---|-----------------------|-----------------------|
| Britannia Bay Wind Monitoring Mast, Western Cape                  | Terra Power Solutions | Project Manager & EAP |
| Caledon, Worcester & Tulbach Wind Monitoring Masts, Western Cape  | SAGIT                 | Project Manager & EAP |
| Deep River Wind monitoring Mast, Eastern Cape                     | VentuSA Energy        | Project Manager & EAP |
| Denhami Wind Farm, Western Cape                                   | Richard Young         | Project Manager & EAP |
| Dorper, Abs & Dobos Wind Monitoring Masts, Eastern<br>Cape        | Rainmaker Energy      | Project Manager & EAP |
| Hopefield Wind Monitoring Mast, Western Cape                      | Umoya Energy          | Project Manager & EAP |
| Klawer Wind Energy Facility, Western Cape                         | Vendiwell             | Project Manager & EAP |
| Klipheuwel / Dassiesfontein Wind Monitoring Mast,<br>Western Cape | BioTherm Energy       | Project Manager & EAP |
| Riverbank Wind Monitoring Mast, Eastern Cape                      | Just Energy           | Project Manager & EAP |
| Wind Monitoring Masts near Suurplaat, Western Cape                | Investec Bank         | Project Manager & EAP |
| Wind Monitoring Masts on the West Coast & Darling, Western Cape   | Investec Bank         | Project Manager & EAP |

## **Screening Studies**

| Project Name & Location                        | Client Name                  | Role                   |
|--|------------------------------|------------------------|
| Cookhouse WEF, Eastern Cape                    | African Clean Energy         | Project Manager & EAP  |
| Cookhoose Well, Eastern Cape                   | Developments (ACED)          | Troject Mariager & EAR |
| De Aar WEF, Northern Cape                      | African Clean Energy         | Drain at Manager 9 FAD |
| De Adi Wer, Normeni Cape                       | Developments (ACED)          | Project Manager & EAP  |
| Developments within identified areas in the    | BioTherm Energy              | Project Manager & EAP  |
| Overberg, Western Cape                         | Biomeim Lifeigy              | Troject Mariager & EAR |
| Hanafield WEE Western Cone                     | African Clean Energy         | Project Manager & EAP  |
| Hopefield WEF, Western Cape                    | Developments (ACED)          |                        |
| Juno WEF, Western Cape                         | AMDA Developments            | Project Manager & EAP  |
| Lambert's Bat WEF, Western Cape                | Vaayu Energy SA              | Project Manager & EAP  |
| Prospect Sites for various WEF's               | Thabo Consulting (on behalf  | Project Manager & EAP  |
| Frospect sites for various wer's               | of Eskom Holdings)           | Troject Mariager & EAI |
| Struis Baai area WEF, Western Cape             | Richards Young               | Project Manager & EAP  |
| Suurplat WEF, Western Cape                     | Investec Bank                | Project Manager & EAP  |
| Theewaterskloof Municipality WEF, Western Cape | Theewaterskloof Municipality | Project Manager & EAP  |

| Project Name & Location                          | Client Name                 | Role                  |
|--|-----------------------------|-----------------------|
| WEF's on x2 site on the West Coast, Western Cape | Investec Bank               | Project Manager & EAP |
|  | Department of Environmental |                       |
| Various WEF's in the Western Cape                | Affairs & Development       | Project Manager & EAP |
|  | Planning (DEA&DP)           |                       |
| Van Reenens WEF, Kwa-Zulu Natal & Free State     | 4GREEN Development Africa   | Project Manager & EAP |
| WEF Development within the Sandveld area,        | Kovacs Investments (Nick    | Project Manager & EAP |
| Western Cape                                     | Prium)                      | 110ject Munager & EAF |

## **Environmental Compliance, Auditing and ECO**

| Project Name & Location                             | Client Name         | Role            |
|---|---------------------|-----------------|
| ECO for the Construction of the Dorper Phase 1 WEF, | Rainmaker Energy    | Project Manager |
| Eastern Cape  |                     |                 |
| ECO for the Construction of the Gouda Wind Farm,    | Blue Falcon Trading | Project Manager |
| Western Cape  |                     |                 |
| EO for the Construction of the Dassiesklip WEF,     | Group Five          | Project Manager |
| Western Cape  |                     |                 |

## Compliance Advice & ESAP Reporting

| Project Name & Location              | Client Name             | Role                  |
|--------------------------------------|-------------------------|-----------------------|
| Amakhala Emoyeni WEF, Eastern Cape   | Windlab Developments    | Environmental Advisor |
| Cookhouse II WEF, Eastern Cape       | African Clean Energy    | Environmental Advisor |
| Cooknoose II WEF, Eastern Cape       | Developments            |                       |
| Cookhouse WEF, Eastern Cape          | African Clean Energy    | Environmental Advisor |
| Cookhoose WLL, Lastern Cape          | Developments            |                       |
| Dorper Phase 1 WEF, Eastern Cape     | Rainmaker Energy        | Environmental Advisor |
| Garob WEF, Northern Cape             | Juwi Renewable Energies | Environmental Advisor |
| Gouda WEF, Western Cape              | Aveng / Acciona         | Environmental Advisor |
| Happy Valley WEF, Eastern Cape       | VentuSA Energy / EDPR   | Environmental Advisor |
| Hidden Valley WEF, Northern Cape     | African Clean Energy    | Environmental Advisor |
| niaderi valley WEF, Normerri Cape    | Developments (ACED)     |                       |
| Hopefield WEF, Western Cape          | Umoya Energy            | Environmental Advisor |
| Karusa Wind Farm, Northern Cape      | African Clean Energy    | Environmental Advisor |
| Karosa Willa Faith, Northern Cape    | Development             |                       |
| Loperberg WEF, Eastern Cape          | Rainmaker Energy        | Environmental Advisor |
| Nobelsfontein WEF, Northern Cape     | Coria / SARGE           | Environmental Advisor |
| Nojoli WEF , Eastern Cape            | African Clean Energy    | Environmental Advisor |
| Nojoli WEI , Easieiti Cape           | Developments (ACED)     |                       |
| Nxuba WEF , Eastern Cape             | African Clean Energy    | Environmental Advisor |
| 14x0bd WEI , Edsiein Cape            | Developments            |                       |
| Oyster Bay WEF, Eastern Cape         | RES                     | Environmental Advisor |
| Riverbank Wind WEF, Eastern Cape     | InnoWind                | Environmental Advisor |
| Roggeveld Phase 1 WEF, Northern Cape | Building Energy         | Environmental Advisor |
| Soetwater Wind Farm, Northern Cape   | African Clean Energy    | Environmental Advisor |
| зовтичны типт, поппет сире           | Development             |                       |
| Springfontein WEF, Northern Cape     | Mainstream Renewable    | Environmental Advisor |
| Zen WEF, Western Cape                | VentuSA Energy          | Environmental Advisor |

# Due Diligence Reporting

| Project Name & Location | Client Name         | Role                  |
|-------------------------|---------------------|-----------------------|
| Gouda WEF, Western Cape | Blue Falcon Trading | Environmental Advisor |

| Project Name & Location                                   | Client Name     | Role                  |
|---|-----------------|-----------------------|
| Loeriesfontein, Khobab & Noupoort WEF's, Northern<br>Cape | Actis           | Environmental Advisor |
| Roggeveld Wind Farm, Northern Cape                        | Building Energy | Environmental Advisor |

## **Environmental Permitting & WUL Applications**

| Project Name & Location                                  | Client Name          | Role                  |
|--|----------------------|-----------------------|
| Permitting for the Cookhouse WEF, Eastern Cape           | African Clean Energy | Project Manager & EAP |
|  | Developments (ACED)  | 110ject Manager & EAI |
| Devenithing for the Very see Wind Forms North are Course | African Clean Energy | Project Manager & EAP |
| Permitting for the Karusa Wind Farm, Northern Cape       | Development          | Froject Manager & EAF |
| Permitting for the Sere WEF, Western Cape                | Eskom                | Project Manager & EAP |
| Permitting for the Soetwater Wind Farm, Northern         | African Clean Energy | Project Manager & EAP |
| Cape   | Development          |                       |
| Permitting Riverbank WEF, Eastern Cape                   | Electrawinds         | Project Manager & EAP |
| S24G for the Klipheuwel / Dassiesfontein WEF,            |                      | Project Manager & EAP |
| Western Cape   |                      |                       |
| S53 application for the Nxuba Wind Farm, Eastern         | African Clean Energy | Project Manager & EAP |
| Cape   | Developments (ACED)  |                       |
| S53 Application for the Zen WEF, Western Cape            | VentuSA Energy       | Project Manager & EAP |
| WUL application for the Oyster Bay WEF, Eastern          | RES                  | Project Manager & EAD |
| Cape   | INLS                 | Project Manager & EAP |

## **CONVENTIONAL POWER GENERATION PROJECTS (COAL)**

## **Environmental Impact Assessments and Environmental Management Programmes**

| Project Name & Location             | Client Name | Role                  |
|-------------------------------------|-------------|-----------------------|
| H2 Energy Power Station, Mpumalanga | H2 Energy   | Project Manager & EAP |

#### **Screening Studies**

| 3 · · · · · · · · · · · · · · · · · · ·      |             |                       |
|--|-------------|-----------------------|
| Project Name & Location                      | Client Name | Role                  |
| Coal fired power station in the Bethal area, | ISS Global  | Project Manager & EAP |
| Mpumalanga                                   |             |                       |
| Indwe Power Station, Eastern Cape            | IPSA        | Project Manager & EAP |
| IPP Base Load Power Station Development in   | Exxaro      | Project Manager & EAP |
| Lephalale, Limpopo                           |             |                       |

## **Environmental Compliance, Auditing and ECO**

| Project Name & Location                              | Client Name    | Role            |
|--|----------------|-----------------|
| ISO 14001:2015 Audit for the Hendrina Power Station, | Eskom Holdings | Project Manager |
| Mpumalanga   |                |                 |

## **CONVENTIONAL POWER GENERATION PROJECTS (GAS)**

## Environmental Impact Assessments and Environmental Management Programmes

| Project Name & Location                          | Client Name      | Role                  |
|--|------------------|-----------------------|
| Ankerlig OCGT to CCGT Conversion project & the   | Eskom Generation | Project Manager & EAP |
| Transmission Power Line between Ankerlig and the |                  |                       |
| Omega Substation, Western Cape                   |                  |                       |
| Gourikwa OCGT to CCGT Conversion project & the   | Eskom Generation | Project Manager & EAP |
| Transmission Power Line between Gourikwa and the |                  |                       |
| Proteus Substation, Western Cape                 |                  |                       |

| Neopak Combined Heat and Power (CHP) Plant,    | Neopak | Project Manager & EAP |
|--|--------|-----------------------|
| Rosslyn, Gauteng                               |        |                       |
| Richards Bay Combined Cycle Gas Turbine (CCGT) | Eskom  | Project Manager & EAP |
| Power Plant, Kwa-Zulu Natal                    |        |                       |

# **Screening Studies**

| Project Name & Location                               | Client Name    | Role            |
|---|----------------|-----------------|
| Environmental Analysis for gas transmission pipelines | Eskom Holdings | Project Manager |
| in the Clayville, Nigel, and Wadeville areas,         |                |                 |
| Gauteng   |                |                 |

# **GRID INFRASTRUCTURE PROJECTS**

# **Environmental Impact Assessments and Environmental Management Programmes**

| Project Name & Location   | Client Name        | Role                  |
|---|--------------------|-----------------------|
| Kyalami/Midrand Substation and 3 Transmission Lines,<br>Gauteng | Eskom Transmission | Project Manager & EAP |
| Steelpoort Integration Project, Limpopo                         | Eskom Transmission | Project Manager & EAP |

### **Basic Assessments**

| Project Name & Location  | Client Name                              | Role                    |
|--|--|-------------------------|
| Amakhala Emoyeni Power Line & Kopleegte Substation, Eastern Cape   | Cennergi                                 | Project Manager & EAP   |
| Bon Espirange Substation & Overhead Power Line for   | Building Energy (G7                      | Project Manager & EAP   |
| the Roggeveld Wind Farm, Northern Cape   | Renewable Energies)                      | Troject Manager & EAI   |
| Castle WEF Powerline, Northern Cape  | Juwi Renewable Energies                  | Project Manager & EAP   |
| Cuprum-Burchell; Burchell-Mooidraai Power Line,<br>Nothern Cape  | Eskom                                    | Project Manager & EAP   |
| Expansion of the Komsberg Main Transmission Substation, Northern Cape  | Enel Green Power                         | Project Manager & EAP   |
| Garob-Kronos Power Line, Northern Cape   | Juwi Renewable Energies                  | Project Manager & EAP   |
| Golden Valley Dx-Poseidon Power Line Substation & Golden Valley-Kopleegte Power Line, Eastern Cape                         | BioTherm Energy                          | Project Manager & EAP   |
| Gunstfontein Switching Station, Power Line & Ancillary Infrastructure, Northern Cape                                       | African Clean Energy Developments (ACED) | Project Manager & EAP   |
| llanga Lethemba-Hydra, Northern Cape   | Solar Capital                            | Project Manager & EAP   |
| Iziduli Emoyeni WEF on-site substation, Power Line & Switching station, Access Roads & Watercourse Crossings, Eastern Cape | Windlab                                  | Project Manager & EAP   |
| Khai-Ma WEF Power Line, Northern Cape  | Mainstream Renewable                     | Project Manager & EAP   |
| Korana WEF Power Line, Northern Cape   | Mainstream Renewable                     | Project Manager & EAP   |
| Korana SEF Power Line, Northern Cape   | Mainstream Renewable                     | Project Manager & EAP   |
| Nobelsfontein WEF Power Line & Substation, Northern Cape   | Coria / SARGE                            | Project Manager & EAP   |
| Nojoli WEF Substation & Power Line Grid Connection,  | African Clean Energy                     | Drain at Managary 9 FAD |
| Eastern Cape   | Developments (ACED)                      | Project Manager & EAP   |
| Olifantshoek Substation & Powerline, Northern Cape   | Eskom Holdings                           | Project Manager & EAP   |
| Poortjies WEF Power Line, Northern Cape  | Mainstream Renewable                     | Project Manager & EAP   |
| Power Line & Substation for the Blackwood WEF,<br>Northern Cape  | VentuSA Energy                           | Project Manager & EAP   |

| Power Line & Substation for the Khobab WEF in Loeriesfontein, Northern Cape                         | Mainstream Renewable             | Project Manager & EAP |
|---|----------------------------------|-----------------------|
| Power Line Connecting the Sishen SEF to the Ferrum MTS-UMTU Klip Kop Power Line, Northern Cape      | Acciona (Windfall 59 Properties) | Project Manager & EAP |
| Power Line for the Grid Connection of the 2 SEF's near Kath and Dibeng, Northern Cape               | VentuSA Energy                   | Project Manager & EAP |
| Power Line for the Rheboksfontein WEF, Western Cape   | Moyeng Energy                    | Project Manager & EAP |
| Power Line from Aggeneys Solar One to Aggeneis MTS Substation, Northern Cape                        | BlueWave                         | Project Manager & EAP |
| Re-alignment of 3 Eskom Power Line Servitudes within the Hopefield WEF, Western Cape                | Umoya Energy                     | Project Manager & EAP |
| Re-alignment of the Power Line & Watercourse Crossings for the Loeriesfontein 2 WEF, Northern Cape  | Mainstream Renewable             | Project Manager & EAP |
| Re-alignment of the Power Line from Loeriesfontein 1<br>WEF to the Helios Substation, Northern Cape | Mainstream Renewable             | Project Manager & EAP |
| Re-alignment of the Power Line from Loeriesfontein 3<br>WEF to the Helios Substation, Northern Cape | Mainstream Renewable             | Project Manager & EAP |
| Substation for the Aggeneys PV SEF, Northern Cape   | BioTherm Energy                  | Project Manager & EAP |
| Substation, Power Line & Watercourse Crossings for the Springfontein WEF, Free State                | Mainstream Renewable             | Project Manager & EAP |
| Wesley-Peddie (Riverbank Phase 2) Power Line for the Uncedo Lwethu WEF, Eastern Cape                | Just Energy                      | Project Manager & EAP |

# **Environmental Compliance, Auditing and ECO**

| Project Name & Location                       | Client Name                     | Role            |
|---|---------------------------------|-----------------|
| EO for the construction of the Neptune-Vuyani | Trans-Africa Projects on behalf | Project Manager |
| Transmission Line, Western Cape               | of Eskom                        |                 |

## INFRASTRUCTURE DEVELOPMENT PROJECTS (BRIDGES, PIPELINES, ROADS, WATER RESOURCES, STORAGE, ETC)

## **Environmental Impact Assessments and Environmental Management Programmes**

| Project Name & Location  | Client Name  | Role                  |
|--|--|-----------------------|
| Afguns Road Realignment Project, Limpopo                                 | Eskom Holdings   | Project Manager & EAP |
| Expansion of the existing Welgedacht Water Care Works, Gauteng           | ERWAT  | Project Manager & EAP |
| Industrial Metals Cluster, Northern Cape                                 | Northern Cape Department of<br>Economic Development and<br>Tourism | Project Manager & EAP |
| Modification of the existing Hartebeestfontein Water Care Works, Gauteng | ERWAT  | Project Manager & EAP |

# **Basic Assessments**

| Project Name & Location                           | Client Name                  | Role                  |
|---|------------------------------|-----------------------|
| New Raw Water Reservoir & Pipeline for the Medupi | Eskom Holdings               | Project Manager & EAP |
| Power Station, Limpopo                            |                              |                       |
| Msenge Emoyeni WEF Watercourse Crossings, Eastern | Windlab                      | Project Manager & EAP |
| Cape  |                              |                       |
| Dilokong Transport Facility, Limpopo              | South African National Roads | Project Manager & EAP |
|   | Agency Limited (SANRAL)      |                       |
| Neopak Water Tratment Plant, Gauteng              | Neopak                       | Project Manager & EAP |

| Project Name & Location                           | Client Name     | Role                  |
|---|-----------------|-----------------------|
| Realignment of MR73 Road for the Construction of  | Abengoa Solar   | Project Manager & EAP |
| the Paulputs CSP Facility, Northern Cape          |                 |                       |
| Biomass Storage Area in Support of the Mkuze      | Building Energy | Project Manager & EAP |
| Biomass Power Station, KwaZulu-Natal              |                 |                       |
| Wastewater Dam & Pipeline in Support of the Mkuze | Building Energy | Project Manager & EAP |
| Biomass Power Station, Kwa-Zulu Natal             |                 |                       |
| Watercourse Crossings for the Klawer Wind Energy  | Vendiwell       | Project Manager & EAP |
| Facility, Western Cape                            |                 |                       |

## **Environmental Compliance, Auditing and ECO**

| Project Name & Location                                | Client Name              | Role            |
|--|--------------------------|-----------------|
| ECO for the Construction of the Tiffindell Ski Resort, | Tiffindell Ski           | ECO             |
| Eastern Cape   |                          |                 |
| ECO for the Distribution centre & warehouse at Lords   | Oliver & Partners        | Project Manager |
| View Industrial Estate, Gauteng                        |                          |                 |
| ECO for the Upgrade of the Waterval Wastewater         | BCP Palace (on behalf of | Project Manager |
| Treatment Works, Gauteng                               | ERWAT)                   |                 |

## **Compliance Advice and reporting**

| Project Name & Location             | Client Name     | Role                  |
|-------------------------------------|-----------------|-----------------------|
| Mkuze Biomass Plant, Kwa-Zulu Natal | Building Energy | Environmental Advisor |
| Tiffindell Ski, Eastern Cape        | Tiffindell Ski  | Environmental Advisor |

# **Environmental Permitting & WUL Applications**

| Project Name & Location                             | Client Name     | Role                  |
|---|-----------------|-----------------------|
| Permitting, S53 & WULA for the Mkuze Biomass Plant, | Building Energy | Project Manager & EAP |
| Kwa-Zulu Natal                                      |                 |                       |
| WULA for the Visserhok Waste Tyre Depot, Western    | REDISA          | Project Manager & EAP |
| Cape  |                 |                       |
| WULA for the Witbank Waste Tyre Depot,              | REDISA          | Project Manager & EAP |
| Mpumalanga  |                 |                       |

# **MINING**

# Environmental Compliance, Auditing and ECO

| Project Name & Location                         | Client Name | Role            |
|---|-------------|-----------------|
| Compliance Audit for the Palesa Coal Mine WML,  | HCI Coal    | Project Manager |
| Mpumalanga province                             |             |                 |
| Compliance Audit Waste Use Licene for the Mbali | HCI Coal    | Project Manager |
| Coal Mine, Mpumalanga province                  |             |                 |

# **ENVIRONMENTAL MANAGEMENT TOOLS**

| Project Name & Location                          | Client Name            | Role                  |
|--|------------------------|-----------------------|
| Review the effectiveness *& efficiency of the    | National Department of | Environmental Advisor |
| environmental impact management (EIA) system in  | Environmental Affairs  |                       |
| South Africa, and formulate an environmental     |                        |                       |
| impact management strategy and action plan       |                        |                       |
| Drafting a Position Paper: Project Financing and | Standard Bank Group    | Environmental Advisor |
| Environmental Risk Management (considering IFC   |                        |                       |

| Performance Standards & Equator Principles)         |                              |                       |
|---|------------------------------|-----------------------|
| EMP for the Phase 1 of the Elitheni Coal Mine       | Elitheni Coal                | Environmental Advisor |
| Project, Eastern Cape                               |                              |                       |
| Gap Analysis of Environmental Management            | Venture Diversified Products | Environmental Advisor |
| Systems (EMS) with ISO 14001:2004                   |                              |                       |
| Development of Provincial Guidelines for 4x4 routes | Western Cape Department of   | Environmental Advisor |
|   | Environmental Affairs &      |                       |
|   | Development Planning         |                       |
| Permitting Study on the Status of Renewable Energy  | E.ON                         | Environmental Advisor |
| Projects in South Africa                            |                              |                       |
| Practical review of EGI SEA                         | CSIR                         | Environmental Advisor |
| Development & Implementation of the                 | UBS AG                       | Environmental Advisor |
| Environmental Management Systems (EMS) with ISO     |                              |                       |
| 14001:2004 for the UBS Office in Sandton, Gauteng   |                              |                       |
| Resource & Efficiency Plans for the operation phase | Mulilo and X-Elio            | Environmental Advisor |
| of the Mulilo Solar PV De Aar and Mililo Solar PV   |                              |                       |
| Prieska   |                              |                       |

# **TRAINING**

| Project Name & Location                           | Client Name   | Role            |
|---|---------------|-----------------|
| Hendrina Power Station Environmental Law Training | Eskom Holding | Project Manager |
| Radar Training for NCC Biologists                 | EchoTracks    | Project Manager |

# APPENDIX B: NEWSPAPER ADVERTISEMENT

# NOTICE OF EXTERNAL COMPLIANCE AUDIT (SECTION 54) PUBLIC PARTICIPATION PROCESS: SANNASPOS 75MW PV SOLAR FACILITY, FREE STATE PROVINCE

**DEA Reference(s):** 14/12/16/3/3/2/360

**Activity:** The Sannaspos 75MW solar PV facility is proposed on a site located 45km east of Bloemfontein in the Free State Province. The project will make use of photovoltaic technology with a contracted capacity of 75MW. Construction of the project has not yet commenced.

**External Compliance Audit:** In terms of Section 54(A)(3) of the EIA Regulations 2014 of GNR 326, an Independent External Compliance Audit ("S54 Audit") is required to verify compliance towards the Environmental Management Programme (EMPr) for the project. 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 report to the competent authority. The report will be available at <a href="https://www.savannahsa.com/other/">https://www.savannahsa.com/other/</a> for 14 days from the 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: <a href="mailto:compliance@environment.gov.za">compliance@environment.gov.za</a>

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6-tonner pas, vervoer ek.

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**VERWYDER ROMMEL** 

**EN TREKKE** 

**BOME** 

**AAA Tree-Felling:** 

40% afslag. **△Joubert** 

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AFSAAG van bome:

Gratis kwotasie.

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**TE KOOP** 

**Afrox Portapack** 

Kompleet in goeie

werkende toestand met

stootwaentjie. R6 000.

Hans 082 566 0658

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**VOERTUIE GESOEK** 

Gesoek na

tweedehandse vaste

bak vragmotors en

trekkers om te koop.

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vir Pensioen/Pakket

afwagtendes

Eiendom Verkope

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teëlwerk en 'drywalling' Kontak 065 897 8563

vir kwotasie

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**Repairs:** Alle was-

masiiene, tuimeldroërs.

ys-/vrieskaste. Oop Ma. -

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u huis! **~ 073 363 9075** 

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Skakel vir Oranje

Verwers by 0764935503

# Geklassifiseerd

**STERFGEVALLE** 

Die troosdiens van Jaap,

in lewe van Bloemfontein,

vind plaas vanuit die NG Kerk

Fichardtpark op Vrydag,

6 Desember 2019 om 10:30.

Die verassing vind privaat plaas.

DANKBETUIGING

Baie dankie vir elkeen se oproepe, handdruk,

blomme, kortkuier, teenwoordigheid in hierdie

moelike tyd van ons as familie.

Julle teenwoordigheid en ondersteuning het dit

vir ons makliker gemaak, elke gebaar van

liefde was vir ons kosbaar.

Ontvang hiermee ons opregte dank en

waardering vir elkeen se bystand.

Na n maand sonder jou Pierre is daar

n leemte in ons almal se harte.

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BOEDELKENNIS-GEWINGS

BOEDELS: KREDITEURE EN DEBITEURE

HONEY

CA KLEINHANS

CHRISTIAAN ANDRÉ

MEESTERVERWYSINGS-

NOMMER: 007668/2019

**BOEDEL WYLE:** 

Boedel van wyle

FICHARDTPARK.

BLOEMFONTEIŃ.

CHRISTIAAN ANDRÉ

IDENTITEITSNOMMER:

921229 5187 08 4, van

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in te lewer en hul skulde te betaal by die ondergemelde

binne 'n tydperk van 30 dae

vanaf 5 DÉSEMBER 2019.

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KENNETH KAUNDARYI AAN

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TEL NR: 051-403 6600

Naam en adres van

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aanhalingstekens geplaas word nie. Advertensies mag nie met syfers of "AAA" begin nie. Hofie 48 mag r

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NOORDSTAD WINKEL-

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TEL NR: 051 403 6600

vanaf 5 DESEMBER 2019.

Naam en adres van

Gevolmagtigde:

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HONEY GEBOU

SENTRUM

**STERFGEVALLE** 



Die Gedenkdiens vir Jacobus Marthinus (Pa Koos) dv, vind plaas Vrydagoggend 9:30 vanuit die Stillehawe ouetehuis Dewetsdorp (O/V Ds Horace van Coller). Saterdagoggend, 7 Desember 2019 om 10:00 vanuit die NG Kerk Heuwelsig, Giles van der Wallstraat 17, Bloemfontein (O/V Ds Fanie Spamer) Kom vier Pa Koos se lewe saam met ons. Liefde Jeanné, Pieter, Johan en families. Die verassing vind privaat plaas.

Bloemfontein, Tel. 051 447 1011 SAMBA kontrakt





Die begrafnisdiens van wyle Kobus, vind plaas op 06 Desember 2019 vanuit die NG Kerk, Hopetown om 11:00. Ons harte is leeg en ons gaan jou lag en

menswees baie mis. Sandra, Denize, Sny, Kobus, Petro, Carla, Pieter en Kleinkinders.

Avbob Kimberley, Tel. 053 832 7254



# AANDAG **ALLE ADVERTEERDERS**

Die gebruik van die letter "A", leestekens soos "!" of "\*" of die gebruik van syfers met die doel om die advertensie na die bopunt van die klassifikasie-lys te skuif, is streng verbode.

**SMALLS NOTICE** 

# Breinknoop

1. In watter jaar is Moore geskei? 2. Wie se treffers was "Rumour Has It", "One and Only" en

"Set Fire to the Rain"? 3 In watter jaar was Wayne Gardner die 500 cc-motorfiets-wê reldkampioen? 4. Wat sal na verwag-

ting die eerste gebou

ter wêreld wees wat 'n

kilometer hoog staan? 5. Watter kleure is op die Gmail-embleem?

oedi-Arabië; 5. Rooi en 4. Die Djedda-toring in Sa-7891 .S. Adele; 3. 1987; :9b100w1nA

# www.olx.co.za











# Vandag wat was

Frankie Muniz, Amerikaanse akteur, is 34 jaar oud.

228 jaar gelede (1791): Die Oostenrykse komponis Wolfgang Amadeus Mozart sterf in Wene in armoede. 74 jaar gelede (1945): Ses Amerikaanse vlieg-

ke bemanning van 27

tuie met 'n gesamentliverdwyn naby Bermuda

in die Atlantiese Ose-20 jaar gelede (1999): Die Suid-Afrikaner Ernie Els wen Nedbank se Miljoendollar-gholftoernooi in Sun City met 'n rekord van 263 – vyf houe voor die Skot Colin Montgo-

merie.

Hagar







## Hou dop: In die sepie Suidooster erken Bianca sy het hulp nodig. Bridgette voel eensaam en verwerp. Michelle (gespeel deur Greta Pietersen) is bekommerd oor wat haar ma be-

# **Crossword 280**

Floats in the air 22. Longing 24. Regions

26. Gambles 28. Makes amends 31. Regulations 32. Donkey 34. Governing body 36. Rodents 38. Mishap

41. Resident doctor 42. Departure 43. Denigrate

7. Additional 10. Veneration 16. Citizens of Switzerland 18. Tear 20. Radiolocation 21. Smallest amount 23. Governed

. Distress signal

Solution of 279 Across:

Across: 2. Stopper; 7. Began; 9. Rose; 11. Convenient; 14. Cider; 16. Eton; 17. Destines; 18. Spa; 20. Pen; 21. Exert; 22. Art; 23. Aroma; 26. Gin; 28. Pal; 30. Bat-tered;32. Pose; 33. Music; 34. Repression; 36. Olio; 37. Teach

38. Epistle. ldiocy; 29. Abel; 31. Rune;32.

11:30 Baby TV 12:00 Mickey and the 12:30 7de Laan (H) 13:00 Thola 13:30 Uzalo (H) 14:30 Muvhango (H) 15:30 Yo.TV Land 16:30 Hectic Nine-9 17:00 Bleach 17:30 Nuus 18:00 7de Laan 19:00 Musiek Roulette 20:00 Nuus 20:30 Relate V 21:00 Muvhango 21:30 Speak Out

e.tv

10:00 Judge Faith Jenkins (H) 10:30 7de Laan (H) 11:00 Isidingo (OL) (H) 11:30 Generations: The Legacy (H) 12:00 Air Wolf 13:00 On Point 14:30 Food Porn (H) 15:00 Kuu Kuu Harajuku 16:00 Afternoon Express 17:00 Mzansi-superliga (voorskou) 17:30 Tshwane Spartans teen Jozi Stars 21:00 Mzansi-superliga (opsomming) 21:15 Nuus @ 21:00 21:30 Isidingo (OL) Olivia praat reguit met Anja. Wendy is oorweldig deur die steun wat sy kry, en Sibiya se gewoontes maak hom 'n teiken. 22:00 McMafia (16) (H)

23:00 High Rollers II (16) (H)

23:30 Miami Vice II (H)

00:30 Koze Kuse

SABC3

06:00 Expresso 09:00 Harry (H) 13:30 The Wild (OL13) (H)

> 14:30 Peppa Pig 14:35 Care Bears and Cousins 15:00 Alvinnn!!! and the Chipmunks 15:30 Spirit Riding Free 15:55 Trolls: The Beat Goes On 16:20 Judge Judy (13) 16:45 Days of Our Lives (13) 17:30 Little Big Shots 18:30 Isipho: The Gift (13) 19:00 Rhythm City (OL13) 19:30 Scandal! (OL13) 20:00 eNews 20:30 Hawaii Five-0 (16) 21:30 Imbewu: The Seed (13)

00:00 Forsaken (16GT) Drama. Mense is omgekrap therland. (2015)

22:00 The Blacklist (16)

Stephen Colbert

23:00 The Late Show with

**M-Net** 

Satelliet (DStv) XI (H) 08:00 Blue Bloods IX (13)

(H) 09:00 The Amazing Race 31 (OL13) (H) 10:00 Bluff City Law (H) 11:00 Abby's (13T) (H) 11:30 The Block (Australië)

13:30 Britain's Got Talent: The Champions (H) 15:30 Carte Blanche (13) (H) 16:30 Suits IX (13) (H) 17:30 Last Man Standing VII

18:00 The Block (Australië) 19:00 S.W.A.T. II (13) 20:00 NCIS XVI (13)

22:00 Outlander IV (18SGNT) 23:05 The Late Late Show with James Corden VI (13) 00:10 The Rookie (16) (H) 01:05 Orange Is the New Black VII (18SGNT) (H) 02:05 Watchmen (16) (H) 03:15 The Act (16) (H) 04:25 Puppy Swap Love Unleashed (OL)  $\star \star \star$ 

**kykNET** 

06:00 Die Groot Ontbyt

10:30 Hier gaan ons al weer 18 (H) 11:00 La't wiel 21 (H) 11:30 Oppi kassie 2 (H)

13:00 Ontbytsake (H) 14:30 Verslag in gesprek (H) 15:30 Tydelik terminaal (13)

17:00 Fiësta 21 (H) 17:30 Afskaal 18:00 Getroud met rugby te kry. Ryno ontdek nog 'n ge-

raamte in Thinus se kas. 18:30 Suidooster Sien Hou dop. 19:00 Nuus 19:30 Binnelanders 20:00 Boer soek 'n vrou 12 die gaste te ontmoet. 21:00 Ons boere, ons inspirasie

Koringlande by Wesselsbron word besoek. 21:30 Verslag 22:00 Liefde sonder grense Via

06:00 Stories wat saakmaak (H) 06:30 Ek wou nog sê (H) 07:00 Goed, beter, Bertus

07:30 Sê vir mamma (H) 08:00 Minki (H) 08:30 Ons praat oor: Die Clinton-sage (H) 09:30 Die superste senior

10:00 Die kontrak (H) 11:00 Ete vir twee (H)

14:00 My matriekafskeid (H) 15:00 Kuier-mense (H) 15:30 Terug op die veld (H) 16:30 Twee blondines op toer (H) 17:00 Ete vir twee (H)

18:00 Honger (H) 18:30 Landbouweekliks (H) 19:30 My hart klop rugby

22:30 Geldhelde (H) 23:00 Ete vir twee (H) 23:30 Kaap, kerrie en koesisters (H)

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Lesers moet hulle vergewis van alle dienste wat in advertensies aangebied word en kwotasies en deposito's wat vereis word nagaan voordat hulle enigiets aanvaar. Dit is die verbruiker se verantwoordelikheid om die adverteerder met wie hulle sake wil doen, se getuigskrifte na te gaan.

Volksblad Geklassifiseerd bied 'n diens aan adverteerders deur hulle dienste en/of produkte te bemark, maar aanvaar egter geen verantwoordelikheid of aanspreeklikheid vir enige skade of eise van lesers teen die adverteerder nie

NOTICE OF EXTERNAL COMPLIANCE AUDIT (SECTION 54) **PUBLIC PARTICIPATION PROCESS: SANNASPOS 75MW PV** SOLAR FACILITY, FREE STATE PROVINCE

**DEA Reference(s):** 14/12/16/3/3/2/360

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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

# **Stoffel**





# Groeipyne





WAT HET JY GEDINK?! WAT BEDOEL PA? 'N MENS OM DIT TE DOEN

# Blokraai 14 034

**Dwars:** 1. Maer dier waarmee wedrenne gehou word 7. Vreedsaam 8. Verkeerd oordeel 9. Veluitslag

11. Seunsnaam 12. Noukeurig 14. Ontslaan 16. Gelerige kleiaarde 18. Voedingstof ryk aan kalsium

19. Hol voorwerpe met hingsels 22. Bekende kanaal

23. lemand sterk aantrek 24. Grond gedolwe 1. Plek van oudste tennis-

toernooi ter wêreld 2. Probeer bereik, soos 'n ideaal 3. Veldblommetjies

die uitdrukking wat kan

beteken "ander mense

4. Materiaal in plooie skik Kerkliedere 6. Woord by "gebied" in

Oplossing van 14 033 Dwars: 1. Verban; 4. Wissel; 8. Pi-

links en regs bevele gee" 10. lemand wat koop om

15. Veldkos, ook bekend as

17. Europese hert en 'n

strandoord aan die Suid-

20. Herkouende soogdiere

21. Soort vrug waarmee 4 Af eindig

weer te verkoop

13. Dekatlon

Kaapse kus

kambro

pet; 9. Eend; 10. Hoorspel; 13. Ragab; 15. Morel; 18. Passasie; 19. Wrok; 22. Luier; 23. Sadrag; 24. Bekeer. 1. Vermeer (skilder); 2.

Robyn; 3. Alpe; 5. Skam-per; 6. Lepel; 7. Spoor; 11. Ramp; 12. Abba; 14. Geskend; 16. Lektuur; 17. Libië: 18. Patos: 20. Robbe:

Across: 8. Key 9. Crudely showy 11. Pacifies 14. Facial features 17. Smart 19. Uncooked 20. Move, as a wheel

Down: 1. Deep sleep 2. Sly look 3. Within the law 4. Effaced 5. Flowers 6. Prolonged pain

12. Needy 13. Brilliance of success 15. Field of conflict

27. Counterpart 29. Tidier 30. Holy 33. Artillery salute 35. Tint 37. Symbol 39. Level 40. Job undertaken

1. Decide; 2. Snorts; 3. Pretext; 4. Erin; 5. Roe; 6. Bet; 8. Aces; 10. Snap; 12. Venerates; 13. Nose; 15. Denial; 18. Stages; 19. Amen; 20. Pomp; 22. Amass-es; 24. Oboe; 25. Remote; 27. Prop; 34. Rod; 35. Pie.

09:30 Stories Untold 10:00 Game Plan 10:30 Mother of All **Professions** 11:00 Raggs 14:00 Skeem Saam (H) 15:00 Sid the Science Kid 15:45 Yo.TV Ilitha Lethu 16:00 Words and Numbers 18:30 Nuus (Afrikaans)

**Donderdag** 5 Desember

**SABC2** 

06:00 Morning Live

09:00 Thabang Thabong

\*Alle inligting oor uitsaaitye, programtitels en -inhoud was teen druktyd korrek. Die inligting word van die skakelafdelings en publisiteitspanne verkry en word in goeie trou gepubliseer. \*\*A almal; G geweld; H herhaling; **OL** ouerleiding; **S** seks; **T** sterk taal en **N** naaktheid.

22:00 Born to Kill (16)

\*\*\*TV-skedulenavrae: etv: 083 1222: SABC: 011 714 9797: M-Net: 011 289 2222.

plan, en Ty bots met Zoe. (kykNET, 18:30)

06:00 The Morning Show 08:00 Morning News 08:30 Labour of Love (Dama v Obrero) (13) 09:30 Days of Our Lives (13) 10:30 Bittersoet (13) 11:35 Rhythm City (OL13) (H) 12:00 Scandal! (OL13) (H) 12:30 Imbewu: The Seed (13) 13:00 Open News

14:00 Isipho: The Gift (13) (H)

omdat 'n treinspoor deur hul dorp gelê gaan word. 'n Bende teister diegene wat weier om hul plase te verkoop. Met Esther Purves-Smith en Kiefer Su-

07:00 The Block (Australië)

XI (H) 12:30 Backyard Envy (13T)

(13) (H)

21:00 Madam Secretary V (OL13GT)

17:00 Binnelanders, 17:30 Suidooster, 18:00 Satelliet-skedule, 22:00 Alles Malan, 23:05 Satel

08:00 Die Boodskap 08:15 Lappies 08:30 Binnelanders (H) 09:00 Getroud met rugby 09:30 Boer soek 'n vrou 12

12:00 Bravo! 9 (H) 12:30 Jan Braai vir erfenis 9

16:00 Kwêla 21 (H) Fafa veg om Maryke uit die tronk

Twee pasmaats is oor, Boere en gaste kan lekker kuier. Die boere nooi vriende en familielede om

11:30 Kaap, kerrie en koesisters (H) 12:00 Geldhelde (H) 12:30 Landbouweekliks (H) 13:30 My hart klop rugby

17:30 Kaap, kerrie en koesisters

20:00 My matriekafskeid 21:00 Kuier-mense 21:30 Terug op die veld (H)

# APPENDIX C: NOTIFICATION TO REGISTERED I&APs



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

VAT Reg No.: 4780226736

06 December 2019

Dear Registered Interested and Affected Party,

# NOTICE OF AN EXTERNAL COMPLIANCE AUDIT (SECTION 54) AND PUBLIC **PARTICIPATION PROCESS:** SANNASPOS PV PLANT PHASE 1, FREE STATE PROVINCE

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

As a registered Interested and Affected Party for the Sannaspos PV Plant Phase 1, please be advised that in terms of Section 54(a)(3) of the EIA regulations (GNR 326, 7 April 2018), Savannah Environmental (Pty) Ltd has undertaken an external environmental compliance audit and prepared an external environmental compliance audit report assessing Solaire Direct Southern Africa (Pty) Ltd compliance with the Environmental Management Programme (EMPr) applicable to the project.

The Sannaspos PV Plant Phase 1 will consist of multiple PV panels with generating capacity of up to 75MW, as well as associated infrastructure which will include, an on-site substation and a 132KV overhead power line to facilitate the connection between the solar energy facility and the Eskom electricity grid. The Environmental Authorisation (EA) for this project was issued by the Department of Environmental Affairs (DEA), in June 2013 and the construction of this project has not yet commenced.

The Sannaspos PV Plant Phase 1 facility is located on the following properties:

- » Portion 0 of the Farm 1808 Besemkop
- Portion 0 of the Farm 2962 Lejwe

In terms of Section 54(A)(3) of the EIA Regulations 2014 of GNR 326, an independent External Compliance Audits ('a \$54 Audit') is required to verify compliance with the Environmental Management Programmes (EMPr) for the project. This letter 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 report to the competent authority. The report is available for inspection at https://www.savannahsa.com/publicdocuments/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 Projects Organisations

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# Sannaspos PV Pland Phase 1: Notification of Audit Report in terms of Section 54

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Assigned to: Savannah Public Process Date Sent: 06/12/2019 10:58

Teams: Global Project: Sannaspos Solar Energy Facility,

Sannaspos FS

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

To: ronald@savannahsa.com, nicolene@savannahsa.com

Cc:

Bcc: Wolsey Otto Barnard <a href="mailto:wolsey.barnard@energy.gov.za">wolsey.barnard@energy.gov.za</a>, Ms C Booyse

<booysec@freetrans.gov.za>, Victoria Bota <botav@nra.co.za>, G Brown

<serunyeg@detea.fs.gov.za>, Thoko Buthelezi <thokob@daff.gov.za>, Department of Energy

<info@energy.gov.za>, Kuni Ditira-Lekoeneba <loetov@dteea.fs.gov.za>, John Geeringh

<john.geeringh@eskom.co.za>, G Janse van Noordwyk <jansevann@dwa.gov.za>, Mpolokeng Kolobe <mpolokeng.kolobe@mangaung.co.za>, Mashudu Marubini <mashuduma@daff.gov.za>,

Makgupe Abram Masiu <lengaucbs@telkomsa.net>, TDJ Matutle

<tshoeute.matutle@manaung.co.za>, Ntando Mbatha <mbatha.npz@sacr.fs.gov.za>, B Mlambo

<mlambob@nra.co.za>, Thabita Mokone <thabita@agric.fs.gov.za>, George Motheo

<motheog@dwa.gov.za>, Sandile Joseph Msibi <nthabiseng.matsoake@mangaung.co.za>,

Serah Muobeleni <serahmu@daff.gov.za>, Peter Novellie <peter.novellie@sanparks.org>,

Tseliso Ntili <ntilit@dws.gov.za>, Nomawethu Qase <nomawethu.qase@energy.gov.za>, Ishaan Ramklown <ramklowni@nra.co.za>, Percy Raseobi <kpraseobi@ruraldevelopment.gov.za>,

Hanneline Smit <conservation@birdlife.org.za>, MP Thabethe <pahod@fs.agric.za>, Eric Tyu

<eric.tyu@mangaung.co.za>

Subject: Sannaspos PV Pland Phase 1: Notification of Audit Report in terms of Section 54

Body:

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

SANNASPOS PV PLANT PHASE 1, FREE STATE PROVINCE

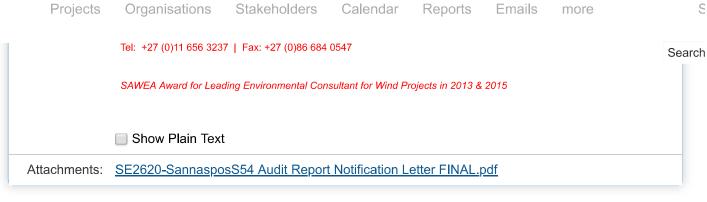
 Notification of Submission of Section 54(A)(3) Audit Reports to the Competent Authority

Dear Registered Interested and Affected Party,

In terms of Section 54(A)(3) of the EIA Regulations 2014 of GNR 326, an independent External Compliance Audits ('a S54 Audit') is required to verify compliance with the Environmental Management Programmes (EMPr) for the project. The <u>letter attached</u> 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 report to the competent authority. The report is available for inspection at

https://www.savannahsa.com/public-documents/other/ for 14 days from date of this notification.

Kind ranarda



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- **⋈** Attachments
- **∀** Accounts
- **⊌** Contacts
- ¥ Email Stakeholders
- **⊌** Users
- ♠ Projects



♣ Print ★ Back to top

| APPENDIX D: CONFIRMATION LETTER ON CURRENT STATUS OF THE PROJECT |
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**Telephone:** +27 (0) 21 685 9377 Facsimile: +27 (0) 21 685 9591 Email: info@solairedirect.co.za

Web: www.solairedirect.co.za

Department of Environmental Affairs

**Integrated Environmental Authorisations** Private Bag X447 Pretoria 0001

03 December 2019

DEA Ref: 14/12/16/3/3/2/360

To whom it may concern

External Environmental Compliance Audit Report of the Environmental Management Programme (EMPr), in accordance with Regulation 54(A) of the EIA Regulations (2017) for the Sannaspos PV plant phase 1 (75MW) and associated infrastructure, located on Portion 0 of the Farm 1808 Besemkop and Portion 0 of the Farm 2962 Lejwe located approximately 45km east of Bloemfontein, Mangaung Metropolitan Municipality, Free State Province

The project Environmental Management Programme (EMPr) for the Sannaspos PV 75MW Solar Facility has reference.

This is to confirm that the Sannaspos PV Solar Facility 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 commencement, construction, operation and decommissioning of the solar PV facility are currently not applicable.

Should any activities commence in future, then these conditions will be included in future environmental compliance audit checklists and reported within the audit.

Should you require any additional information in this regard please do not hesitate in contacting me.

Kind regards

Sincerely

Reggie Niemand

Project Development Manager