



# ARCUS

## VOLUME I

**THE PROPOSED AMENDMENT AND SPLIT OF THE  
AUTHORISED PHEZUKOMOYA WIND ENERGY FACILITY,  
NORTHERN AND EASTERN CAPE PROVINCES  
(HARTEBEESTHOEK WEST WEF)**

On behalf of

**HARTEBEESTHOEK WIND POWER (PTY) LTD**

DECEMBER 2019

**DEA Ref. No.: 14/12/16/3/3/2/1028,  
14/12/16/3/3/2/1028/AM1, and  
14/12/16/3/3/2/1028/2/AM1**



Prepared By:

**Arcus Consultancy Services South Africa (Pty) Limited**

Office 607 Cube Workspace  
Icon Building  
Cnr Long Street and Hans Strijdom Avenue  
Cape Town  
8001

**T** +27 (0) 21 412 1529 | **E** [projects@arcusconsulting.co.za](mailto:projects@arcusconsulting.co.za)  
**W** [www.arcusconsulting.co.za](http://www.arcusconsulting.co.za)

Registered in South Africa No. 2015/416206/07

## PROJECT DETAILS

DEA Reference Number: 14/12/16/3/3/2/1028 and 14/12/16/3/3/2/1028/AM1 and 14/12/16/3/3/2/1028/2/AM1

Arcus Reference No: 3329 Hartebeesthoek West WEF

Title: Amendment Report for the Proposed Hartebeesthoek West Wind Energy Facility, Northern and Eastern Cape Provinces

EAP: Ashlin Bodasing - Arcus Consultancy Services South Africa (Pty) Ltd

Project Applicant: Hartebeesthoek Wind Power (Pty) Ltd

Report Status: Final Amendment Report – For Authorisation

Changes made from Draft to Final Report	Section
Date changed from September 2019 to December 2019	Volume I: Section 1 to 11
Typographical and formatting corrections	Volume I: Section 1 to 11
Section 8: Public Participation was updated to reflect process completed to date and summary of issues raised.	Volume I: Section 8
Added details regarding the conditions of authorisation to be retained.	Volume I: Section 2.1
The word "draft" was change to "final" throughout the document where applicable.	Volume I: Section 1 to 11
The Comments & Responses Table was updated to present the PPP conducted to date, as well as all comments received and responses given.	Appendix H: Comments & Response Table

**Note: No changes were made to Volume II: Specialist Assessment Reports / Letters from the draft to final stage of the application process.**

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## 1 INTRODUCTION

Phezukomoya Wind Power (Pty) Ltd was granted environmental authorisation for the 275 MW Phezukomoya Wind Energy Facility (WEF) and 132 kV grid connection on 28 June 2018 by the Department of Environmental Affairs (DEA) (DEA Ref. No. 14/12/16/3/3/2/1028 and 14/12/16/3/3/2/1028/AM1) (Figure 1.1). Phezukomoya Wind Power (Pty) Ltd is now seeking to amend and split the authorised Phezukomoya WEF. As the proposed amendments require authorisation from the DEA, EDF Renewables (Pty) Ltd (previously InnoWind) ('EDF'), appointed Arcus Consultancy Services South Africa (Pty) Ltd ('Arcus'), as the Environmental Assessment Practitioner (EAP) to submit the required amendment applications and updated assessments to DEA for approval. The proposed development site is located south-east of the town of Noupoot in the Northern Cape Province, bordering the Eastern Cape Province. The proposed development site falls within the Umsobomvu Local Municipality, in the Pixley ka Seme District Municipality in the Northern Cape, as well as in the Inxuba Yethemba Local Municipality and Chris Hani District Municipality in the Eastern Cape. The towns of Middelburg and Colesburg are located approximately 28 km and 59 km to the south and north-east of the site, respectively (Figure 1.2).

Two amendment applications for Environmental Authorisation (EA) have been submitted to the DEA as each WEF will be required to have its own environmental authorisation. The number of turbines and the generation capacity which are being applied for with each application is defined below:

- **Hartebeesthoek West (up to 74.4 MW) consisting of up to 12 turbines with a generating capacity of up to 6.2 MW each (The Proposed Project) (DEA Reference Number: 14/12/16/3/3/2/1028/2/AM1);** and
- Phezukomoya WEF (up to 217 MW) consisting of up to 35 turbines with a generating capacity of up to 6.2 MW each (subject to a separate report, assessment and application, DEA Reference Number: 14/12/16/3/3/2/1028/1/AM1).

**The focus of this amendment report is on the Hartebeesthoek West WEF consisting of up to 12 turbines.**

### 1.1 The Authorised Phezukomoya WEF

On 28 June 2018, the DEA approved the following infrastructure as part of the Phezukomoya WEF (Figure 1.1).

**Table 1.1: Co-ordinates, as per the EA, of the Authorised WEF Site and Associated Infrastructure**

	Authorised Latitude	Authorised Longitude
<b>Alternative (preferred site)</b>		
<b>North-West Corner</b>	-31.1759	24.88607
<b>North-East Corner</b>	-31.20629	24.98597
<b>South-West Corner</b>	-31.3217	24.83593
<b>South-East Corner</b>	-31.28262	25.05602
<b>Substation location (centre point)</b>	-31.25053	24.92819

	Authorised Latitude	Authorised Longitude
<b>Construction camp laydown area</b>	-31.21531	24.90027
<b>Preferred powerline route (Preferred Alternative)</b>		
<b>Start</b>	-31.25427	24.82516
<b>Middle</b>	-31.30298	24.87821
<b>End</b>	-31.25263	24.92765
<b>Access to Site Point 1</b>	-31.195496	24.877421
<b>Access to Site Point 2</b>	-31.195269	24.961468
<b>Access to Site Point 3</b>	-31.278405	24.940615
<b>Access to Site Point 4</b>	-31.268857	24.941613
<b>Access to Site Point 5</b>	-31.206607	24.052748

For the authorised 275 MW Phezukomoya WEF and associated infrastructure including electrical grid connection located south-east of the town of Noupoort, the following project descriptions apply:

- A maximum generating capacity of 275 MW in total;
- 55 turbines with a generation capacity between 3 – 5 MW and a rotor diameter of 150 m, a hub height of 150 m and blade length of 75 m (all maximums);
- Foundations (25 m x 25 m) and hardstands associated with the wind turbines;
- Internal access roads of between 8 m (during operation) and 14 m (during construction) wide to each turbine;
- Medium voltage underground cabling between turbines and the on-site switching stations (each 10000 m<sup>2</sup>), to be laid underground where technically feasible;
- Two overhead medium voltage cables between the on-site switching stations and on-site substation (approximately 3 km and 5.6 km in length) and between turbine rows where necessary;
- An on-site sub-station & OMS complex (180000 m<sup>2</sup>) to facilitate stepping up the voltage from medium to high voltage (132 kV) to enable the connection of the WEF to the national grid;
- A 16 km 132 kV high voltage overhead powerline from the on-site substation to the proposed Umsobomvu Substation to the national grid;
- A 100 m corridor surrounding the Umsobomvu Substation so that the grid connection can turn into the substation from any direction;
- Temporary infrastructure including a construction camp with batching plant (90000 m<sup>2</sup>); and
- A laydown area approximately 7500 m<sup>2</sup> in extent, per turbine.

**Table 1.2: Technical Details of the Authorised WEF and Grid Connection**

Component	Description / Dimensions
<b>WEF</b>	
Location of the Site	Approximately 6km south-east of the town of Noupport
Farm and SG Codes	» RE/118: C03000000000011800000 » RE/1/1: C04800000000000100001 » 18/1: C04800000000000100018 » RE/11/1: C04800000000000100011 » 3/1: C04800000000000100003 » 2/11: C0480000000001100002 » 2: C04800000000000200000 » 12/1: C04800000000000100012 » 21/1: C04800000000000100021 » RE/13/1: C04800000000000100013 » RE/117: C03000000000011700000 » RE/1/117: C03000000000011700001 » 47/182: C02100000000018200047 » RE/182: C02100000000018200000 » 15/182: C02100000000018200015 » RE/13: C0480000000001300000 » RE/181: C02100000000018100000
Site Access	-31.195496°; 24.877421° and -31,195269°; 24,961468
Export Capacity	Up to 275 MW
Proposed Technology	Wind Turbines
Number of Turbines	Up to 55
Hub Height from Ground Level	150 m
Rotor Diameter	150 m
Width and Length of Internal Roads	Internal roads width: Up to 14 m during construction and up to 8 m during operation Internal roads length: Approximately 58 km
<b>Powerline (Grid Connection)</b>	
Location of the Site	Approximately 7 – 21 km south of Noupport
Length	Approximately 16 km



Component	Description / Dimensions
Farm and SG Codes	Farm 21/1 Edendale C0480000000000100021 Farm 13/1 Edendale C0480000000000100013 Farm RE/1/1 Vrede C0480000000000100001 Farm RE/118 Winterhoek C03000000000011800000 Farm RE/135 Bergplaas C03000000000013500000 Farm RE/136 Bergplaas C03000000000013600000
Preferred Access	-31.278405; 24.940615
Export Capacity	132 kV
Proposed Technology	Eskom specifications (concrete or steel monopole or lattice towers)
Height of Poles	A maximum of 45 m
Width and Length of Servitude	34 m in width and 16 km in length

## 1.2 Aim and Purpose of this Report

This report highlights the proposed amendments to the authorised Phezukomoya WEF and associated Grid Connection. The report aims to comply with the relevant National Environmental Management Act, 1998 (Act 107 of 1998 - NEMA) EIA Regulations, 2014, as amended. The report further aims to provide the updated assessment of the specialist's studies conducted for the authorised Phezukomoya WEF and provide an opinion of the proposed amendments that should be granted by the DEA.

## 2 DETAILS OF THE PROPOSED AMENDMENTS

The amendment being applied for is to split the authorised Phezukomoya Wind Energy Facility (WEF) into two separate wind energy facilities, namely Phezukomoya WEF (Split 1) and Hartebeesthoek West WEF ('Split 2') ('HBH West') (Figure 2.1). Phezukomoya WEF (Split 1) WEF is subject to a separate amendment application process. This report focuses on the amendments relating to the HBH West WEF application only. The proposed components requiring amendments are detailed below for Hartebeesthoek West WEF.

**Table 2.1: Changes to the Holder of the Authorisation**

	Authorised	Amendment
<b>Holder of Authorisation</b>	Phezukomoya Wind Power (Pty) Ltd	Hartebeesthoek Wind Power (Pty) Ltd
<b>Company Representative</b>	Louis Dewavrin	Sheldon Vandrey

	Authorised	Amendment
<b>Name of Development</b>	The 275 MW Phezukomoya Wind Energy Facility (WEF) and associated 132 kV grid connection transmission line near Noupoort within the Umsobomvu Local Municipality in the Northern Cape Province and the Inxuba Yethemba Local Municipality in the Eastern Cape Province.	The 74.4 MW Hartebeesthoek West Wind Energy Facility near Noupoort within the Umsobomvu Local Municipality in the Northern Cape Province and the Inxuba Yethemba Local Municipality in the Eastern Cape Province.

**Table 2.2: Co-ordinates of the Amended WEF Site**

	Proposed Latitude	Proposed Longitude
<b>Hartebeesthoek West WEF</b>		
<b>North-West Corner</b>	31° 14' 26.618" S	24° 58' 35.8612" E
<b>North-East Corner</b>	31° 14' 08.4855" S	24° 59' 46.0334" E
<b>South-West Corner</b>	31° 16' 21.9496" S	24° 59' 00.6293" E
<b>South-East Corner</b>	31° 15' 49.4609" S	25° 00' 56.5265" E
<b>Substation location (centre point)</b>	31° 15' 1.91" S	24° 55' 41.48" E
<b>Construction camp laydown area</b>	31° 12' 55.12" S	24° 54' 0.97" E

**Table 2.2: Technical Details of the Amended WEF**

Component	Description / Dimensions
<b>WEF</b>	
Location of the Site	Approximately 8 km south of Noupoort
Farm and SG Codes	47/182: C02100000000018200047 2: C0480000000000200000 RE/13: C0480000000001300000 1/11: C0480000000001100001 RE/13/1: C048000000000100013
Site Access	-31.195496°; 24.877421° and -31,195269°; 24,961468
Export Capacity	74.4 MW
Proposed Technology	Wind Turbines
Number of Turbines	12
Hub Height from Ground Level	137 m

Component	Description / Dimensions
Rotor Diameter	175 m
Width and Length of Internal Roads	Internal roads width: Up to 14 m during construction and up to 8 m during operation Internal roads length: Approximately 35 km

For the proposed 74.4 MW Hartebeesthoek West WEF and associated infrastructure including electrical grid connection located south of the town of Noupoort, the facility will comprise the following:

- A maximum generating capacity of 74.4 MW in total (below the authorised 275 MW);
- 12 turbines with a generation capacity of up to 6.2 MW and a rotor diameter of 175 m, a hub height of 137 m and a blade length of 87.5 m (all maximums) ***(changing from authorised)***;
- Foundations (25 m x 25 m) and hardstands associated with the wind turbines ***(not changing from authorised)***;
- Internal access roads of between 8 m (during operation) and 14 m (during construction) wide to each turbine ***(not changing from authorised)***;
- Medium voltage underground cabling between turbines and the on-site switching stations (approximately 10000 m<sup>2</sup>), to be laid underground where technically feasible ***(not changing from authorised)***;
- Two overhead medium voltage cables between the on-site switching stations and on-site substation (approximately 3 km and 5.6 km in length) and between turbine rows where necessary ***(be removed or amended)***.
  - Amendment to read: "Overhead medium voltage cables between the on-site switching station and Phezukomoya substation and between turbine rows where necessary";
- An on-site sub-station & OMS complex to facilitate stepping up the voltage from medium to high voltage (132 kV) to enable the connection of the WEF to the national grid ***(not changing from authorised and can be removed for this amendment)***;
- A 16 km 132 kV high voltage overhead powerline from the on-site substation to the proposed Umsobomvu Substation to the national grid ***(not changing from authorised)***:
  - Note: This overhead powerline is applicable to this proposed development, however, as part of a separate basic assessment application process, Hartebeesthoek West are applying for three grid connection options to connect to the proposed Umsobomvu Substation and to the national grid.<sup>1</sup>
- A 100m corridor surrounding the Umsobomvu Substation so that the grid connection can turn into the substation from any direction ***(not changing from authorised)***.
  - This remains unchanged from authorised. However, it must be noted that turn in options will be assessed as part of a separate application process;
- Temporary infrastructure including a construction camp with batching plant (90000 m<sup>2</sup>) ***(not changing from authorised)***;

<sup>1</sup> The three grid connection options is: electricity is transferred via a proposed 132 kV OHL from the proposed HBH West on-site switching station (1) to the San Kraal substation and via the HBH Corridor to the Umsobomvu substation OR (2) to the Phezukomoya substation and via the Phezukomoya corridor to the Umsobomvu substation OR (3) to the San Kraal substation and via the San Kraal corridor to the Umsobomvu substation. From either of these substations electricity is transferred to the proposed SK-PH Collector substation OR directly to the proposed Umsobomvu substation via one of three corridor options, i.e. San Kraal Corridor, Phezukomoya Corridor or the proposed HBH Corridor.

- It must be noted that a batching plant 2 has been applied for as a separate application process; and
- A laydown area approximately 7500 m<sup>2</sup> in extent, per turbine (*not changing from authorised*).

The proposed HBH West WEF will comprise 12 wind turbines with a generation capacity of 6.2 MW each for a total WEF output of 74.4 MW. The wind farm will connect to the SK-PH collector substation via medium voltage lines, which will, in turn, connect to the Umsobomvu Substation via an approved 132 kV transmission line. The new on-site substation, collector substation and other associated infrastructure are subject to a separate Basic Assessment Process.

## 2.1 Conditions of Authorisation to be Retained or Changed

**Table 2.3 Conditions of Authorisation Requiring Amendment**

Condition in EA	Amend, Retained or Removed	Amended Condition (Strikethrough = to be replaced and Underlined = replacement text)
1.	Slight change.	The construction of the <del>Phezukomoya Wind Energy Facility</del> <u>Hartebeesthoek West Wind Energy Facility</u> , 132 kV grid connection transmission line and associated infrastructure with a maximum output capacity of <del>245 MW</del> <u>74.4 MW</u> as described above is hereby approved.
2-35.	No changes. To be retained as is in new EA.	The conditions and wording as per the original EA to be retained as is.
36.	Slight change.	Up to <del>55</del> <u>12</u> wind turbines are approved.
37-40.	No changes. To be retained as is in new EA.	The conditions and wording as per the original EA to be retained as is.
41.	Slight change.	A <del>2.5 km</del> <u>3 km</u> no-go buffer must be implemented around the Verreaux's Eagle <u>nests</u> .
42.	No changes. To be retained as is in new EA.	The conditions and wording as per the original EA to be retained as is.
43.	No changes. To be retained as is in new EA.	The conditions and wording as per the original EA to be retained as is.
44.	No changes. To be retained as is in new EA.	The conditions and wording as per the original EA to be retained as is.
45 – 131.	No changes. To be retained as is in new EA.	The conditions and wording as per the original EA to be retained as is.
132.	Slight change.	Mitigation requirements that involve the avoidance of, or professional collection of archaeological material from archaeological sites <del>JG001-3, JR001 and JG026-GE009</del> must be implemented.
133-139.	No changes. To be retained as is in new EA.	The conditions and wording as per the original EA to be retained as is.
140.	Slight change.	The recommendations of the EAP in the EIAR dated March 2018 and the specialist studies attached must be adhered to, and <u>this includes the recommendations of the EAP in the Amendment Report dated December 2019 and the specialist studies attached</u> . In the event of any conflicting mitigation

		measures and conditions of the Environmental Authorisation, the specific condition of this Environmental Authorisation will take preference.
141-142.	No changes. To be retained as is in new EA.	The conditions and wording as per the original EA to be retained as is.

### 3 LEGISLATIVE REQUIREMENTS

The Amendment Report has been compiled in compliance with the National Environmental Management Act No. 107 of 1998 (NEMA) EIA Regulations 2014, as amended. Phezukomoya Wind Power (Pty) Ltd are applying for an amendment to the EA issued by the DEA (DEA Reference No. 14/12/16/3/3/2/1028 and 14/12/16/3/3/2/1028/AM1) in terms of Regulation 31 and 32 of the NEMA EIA Regulations. Regulation 31 of the NEMA EIA Regulations 2014, as amended states that:

*'An environmental authorisation may be amended by following the process prescribed in this Part if the amendment will result in a change to the scope of a valid environmental authorisation where such change will result in an increased level or change in the nature of impact where such level or change in nature of impact was not-*

*(a) assessed and included in the initial application for environmental authorisation; or*

*(b) taken into consideration in the initial environmental authorisation;*

*and the change does not, on its own, constitute a listed or specified activity.'*

In compliance with Regulation 32 of the NEMA EIA Regulations 2014, as amended the specialists assessed the proposed changes to the approved project description and highlighted the advantages and disadvantages of the proposed amendments, and finally provided further recommendations or mitigation measures if necessary.

**Table 3.1: Legislative Requirements of the Amendment Report**

Contents of the Amendment Report	Reference
32 (1) The applicant must within 90 days of receipt by the competent authority of the application made in terms of regulation 31, submit to the competent authority –	
(a) A report, reflecting –	
An assessment of all impacts related to the proposed change;	Section 6: Specialist Assessment of the Proposed Amendments Volume II: Specialist Reports
Advantages and disadvantages associated with the proposed change;	Section 7: Advantages and Disadvantages of the Proposed Amendments
Measures to ensure avoidance, management and mitigation of impacts associated with such proposed change; and	Section 10: Recommendations and Conclusion
Any changes to the EMP.	Appendix B: EMPr
aa. Had been subjected to a Public Participation Process (PPP), which had been agreed to by the competent authority, and which was appropriate to bring the proposed change to the attention of potential and registered interested and affected parties, including organs of state, which have jurisdiction in respect of any aspect of the relevant activity, and the competent authority, and	Section 8: Public Participation
bb. Reflects the incorporation of comments received, including any comments of the competent authority.	Section 8: Public Participation

### 3.1 Authorised Listed Activities

The following listed activities were applied for and approved by the DEA. The listed activities will not change based on the amendments being applied for.

LISTING NOTICE	ACTIVITIES
LN 1 GN R327 <sup>2</sup>	11(i); 14, 19 (i); 24 (ii); 56 (ii)
LN 2 GN R325 <sup>3</sup>	1; 6; 9; 15.
LN 3 GN R324 <sup>4</sup>	4 (a)(i)(bb) & (g)(bb)(ee); 12(g)(ii); 18 (a)(i)(bb)

### 3.2 DEA Comments on Draft Amendment Report

On 17 October 2019, the DEA submitted comments on the amendment report. The table below reflects the responses to the comments submitted by the DEA and also highlights the sections in the report, where these have been addressed.

**Table 3.2: Responses to DEA Comments of Draft Report**

No.	Comment from DEA	EAP Response	Section in Report
	The Environmental Authorisation (EA) issued for the above application by this Department on 28 June 2018 (14/12/16/3/3/2/1028); the Application for Environmental Authorisation (EA) and Draft Amendment report received by the Department on 26 September 2019 and the acknowledgement letter from the Department dated 02 October 2019, refer.		
	The application for amendment of the EA addresses the following:		
i.	The applicant, Phezukomoya Wind Power (Pty) Ltd intends to split the EA for 14/12/16/3/3/2/1028 into two smaller projects within the authorised boundary, to be known as Phezukomoya Split 1 (separate application) and Hartebeesthoek Wind Energy Facility (this amendment application).		
ii.	In addition, the applicant intends to amend the following		
	Split of the authorised Phezukomoya WEF into two smaller projects within the authorised boundary, i.e. Phezukomoya Split 1 and Hartebeesthoek West WEF Split 2;		
	Name and coordinates of the development;		
	Change to the holder of the authorisation to Hartebeesthoek Wind Power (Pty) Ltd;		
	Hub Height of up to 137 m, rotor diameter of 175 m and turbine output of up to 6.2 MW;		
	Project output of up to 74.4 MW;		
	Turbine numbers reduced to 12 turbines;		
	A new final layout.		

<sup>2</sup> "Listing Notice 1 of the EIA Regulations, promulgated under Government Notice R983 of 4 December 2014, as amended by Government Notice R327 of 7 April 2017."

<sup>3</sup> "Listing Notice 2 of the EIA Regulations, promulgated under Government Notice R984 of 4 December 2014, as amended by Government Notice R325 of 7 April 2017."

<sup>4</sup> "Listing Notice 3 of the EIA Regulations, promulgated under Government Notice R985 of 4 December 2014, as amended by Government Notice R324 of 7 April 2017."

No.	Comment from DEA	EAP Response	Section in Report
iii	The amendment is requested as the authorised technology is no longer the most efficient turbine model, and it will ensure their project is amongst the forefront of technological advancements. The amendment will result in fewer turbines with increased MW that would be less than or equal to the overall authorised 275 MW.		
iv.	There are no amendments being applied for in terms of the grid connection and associated infrastructure related to the original EA with reference number 14/12/16/3/3/2/1028.		
v.	Two Separate amendment applications and reports have been submitted to the Department in order to facilitate the split of the EA. The applications are currently registered with the Department as 14/12/16/3/3/2/ 1028/1/AM1 and 14/12/16/3/3/2/1028/2/AM1.		
<u>The Department has the following comments on the abovementioned application (14/12/16/3/3/2/1028/2/AM1):</u>			
(a)	<b><u>Public Participation Process</u></b>		
The following information must be submitted with the Final Amendment Report:			
i.	A list of registered interested and affected parties as per Regulation 42 of the NEMA EIA Regulations, 2014, as amended	The list of registered interested and affected parties has been updated and is included as per Regulation 42 of the NEMA EIA Regulations, 2014, as amended.	Appendix D
ii.	Please ensure that copies of original comments received from I&APs and organs of state, which have jurisdiction in respect of the proposed activity are submitted to the Department with the final Amendment Report. Kindly ensure that the Square Kilometer Array (SKA) comments and comments from this Departments Biodiversity and Conservation Directorate are included in the document.	All original comments received from organs of state and I&APs in respect of the proposed activity have been included in this final submission for authorisation. Where comments were not received from an organ of state within the comment period, the EAP followed up to request comment. Proof of this correspondence is also included in this final submission.	Appendix G
iii.	Proof of correspondence with the various stakeholders, including organs of state which have jurisdiction in respect of the proposed activity, must be included in the final Amendment Report. Should you be unable to obtain such comments, proof should be submitted to the Department of the attempts that were made to obtain the comments.	Proof of all correspondence during the amendment application process is included in this final amendment report submission.	Appendix G and Appendix H

No.	Comment from DEA	EAP Response	Section in Report
iv.	All issues raised and comments received during the circulation of the draft amendment report from I&APs and organs of state which have jurisdiction in respect of the proposed activity are adequately addressed in the final amendment report, including comments from this Department, and must be incorporated into a Comments and Response Report	All issues raised and comments received during the comment period have been included in this report and responded to where applicable. The comments and response report has been updated to reflect this.	Appendix H
v.	Please refrain from summarising comments made by I&APs. All comments from I&APs must be copied verbatim and responded to clearly. Please note that a response such as "noted" is not regarded as an adequate response to an I&AP's comments	The EAP has not summarised any comments received. All comments included in the comments and response report are included as they were received. Copies of the comments received have also been included to ensure that nothing has been misrepresented.	Appendix G and Appendix H
<b>(b)</b>	<b><u>General</u></b>		
vi.	The requirements of the acknowledgement letter 02 October 2019 must also be fulfilled.	The requirements included in the acknowledgement letter dated 02 October 2019 have been fulfilled.	Appendix G and Appendix H
vii.	The Department requires that you clearly indicate which conditions in the EA are applicable to the above project, i.e. 14/12/16/3/3/2/1028/2/AM1. Ensure that the Environmental Management Programme (EMPr) has mitigations and measures applicable only to the abovementioned project as well.	The EAP has indicated which condition in the original EA are applicable to this project. The EMPr contained the mitigation measures applicable to this project.	Section 2.1
viii.	Further, clearly, indicate whether conditions for the grid infrastructure are to be removed in entirety or retained to some extent. It would be best to list which conditions of the EA are relevant to amendment process.	Table 2.3 lists the conditions of authorisation that are relevant to the amendment process. All conditions in the EA related to grid infrastructure are to be retained. The application for additional grid infrastructure is separate and will require an additional set of conditions.	Section 2.1
ix.	You are requested to submit one (1) unprotected electronic copy (1 CD/USS) and one (1) hard copy of the final Amendment Report to the Department. Please ensure that this copy contains an electronic version of the amendment application form.	One USB and one hard copy of the final report is submitted. The amendment application form has been included as well as requested.	
	You are also advised to comply with the requirements of the Regulations 32 of the EIA Regulations 2014, as amended.	The EAP has complied with the requirements of the Regulations 32 of the EIA Regulations 2014, as amended.	



No.	Comment from DEA	EAP Response	Section in Report
	Further note that in terms of Regulation 45 of the EIA Regulations 2014, this application will lapse if the applicant fails to meet any of the timeframes prescribed in terms of these Regulations unless an extension has been granted in terms of Regulation 3(7).	This is acknowledged, and the EAP will ensure that the final report is submitted within the regulated timeframes.	
	You are hereby reminded of Section 24F of the National Environmental Management Act, Act No 107 of 1998, as amended, that no activity may commence prior to an environmental authorisation being granted by the Department.	The applicant has been made aware of the Section 24F of NEMA, 1998, as amended.	

#### 4 PROJECT TEAM

The coordination and management of this amendment application process is being conducted by Arcus Consultancy Services South Africa (Pty) Ltd ('Arcus') with the lead EAP being Ashlin Bodasing. Refer to Appendix A for the EAP's Declaration of Interest and Curriculum Vitae.

##### Ashlin Bodasing

Qualifications Bachelor of Social Science (Geography and Environmental Management)

Experience in Years 14

Experience Ashlin Bodasing is the Technical Director at Arcus, located in Cape Town. Having obtained her Bachelor of Social Science Degree from the University of Kwa-Zulu Natal; she has over 14 years' experience in the environmental consulting industry in southern Africa. She has gained extensive experience in the field of Integrated Environmental Management, environmental impact assessments and public participation. She has also been actively involved in a number of industrial and infrastructural projects, including electricity power lines and substations; road and water infrastructure upgrades and the installation of telecommunication equipment, green field coal mines, as well as renewable energy facilities, both wind and solar. Ashlin has major project experience in the development of Environmental Impact Assessments, Environmental Management Plans and the monitoring of construction activities. Her areas of expertise include project management, environmental scoping and impact assessments, environmental management plans, environmental compliance monitoring and environmental feasibility studies. Experience also includes International Finance Corporation Performance Standards and World Bank Environmental Guidelines environmental reviews. She has worked in Mozambique, Botswana, Lesotho and Zimbabwe.

##### Aneesah Alwie

Qualifications Bachelor of Science (Environmental and Water Science)

Experience in Years 6

Experience Aneesah Alwie is a Project Administrative Assistant at Arcus. Having obtained her Bachelor of Science Degree (Environmental and Water Science) from the University of the Western Cape; she has over 8 years public relations experience in conjunction with 6 years' experience as support to a technical team. Aneesah offers administrative and technical support to ensure that projects are completed in time and within budget. Key qualifications as the administrative assistant is that she excels in multitasking, data capturing, GIS assistance, communication and organizational skills, problem solving and attention to detail. Her excellent organisational skills and extensive experience in support to project managers enables smooth flow of the assigned project duties and meeting

project deadlines. Aneesah now also manages assistance in the concise and accurate operation of the public participation processes for projects.

Arcus is a specialist environmental consultancy providing environmental services to the renewable energy market. Arcus has advised on over 150 renewable energy projects with in-house specialist services and environmental management, in South Africa and the United Kingdom.

#### 4.1 Specialist Input

The team of specialists to support the project team are the same as the original specialists (see Table 4.1 below). The only new specialist is the bat specialist<sup>5</sup>. Each specialist reviewed the amendments to the authorised development and provided an opinion and assessment of the changes. Where necessary, additional site work was conducted in order to assess the potential impacts of the proposed amendments.

**Table 4.1: Specialist Team**

Technical Discipline	Specialist Organisation	Lead Specialist
Aquatic / Freshwater	Enviro Sci	Brian Colloty <sup>6</sup>
Bats	Arcus	Jonathan Aronson
Bats External Review	Private Consultant	Monika Moir
Avifauna	Chris van Rooyen Consulting	Chris van Rooyen
Ecology (Fauna and Flora)	3foxes	Simon Todd
Cultural Heritage	ACO Associates cc	Tim Hart
Noise	Enviro Acoustic Research cc	Morné de Jager
Social	Tony Barbour	Tony Barbour
Agriculture and Soils	Agricultural Research Council – Soil, Climate and Water	Garry Paterson
Traffic	SMEC South Africa (Pty) Ltd	Charlotte Xhobiso
Visual Impact	SiVEst	Andrea Gibb

## 5 MOTIVATION FOR THE PROPOSED AMENDMENT

The authorised turbine model with specifications of 150 m hub height and 150 m rotor diameter is no longer the preferred wind turbine technology. The applicant, therefore, wants to amend the authorised turbine specifications to reduce the number of turbines and to change the hub height to up to 137 m and the rotor diameter to up to 175 m to facilitate the most efficient turbine model and to further future proof the project amidst rapid technology developments.

From the authorised application, Hartebeesthoek Wind Power (Pty) Ltd intended to bid and develop the Hartebeesthoek West WEF under the Department of Energy's REIPPPP. For Hartebeesthoek to meet the bidding requirements, the applicant proposed to split the authorised Phezukomoya WEF into two smaller wind farms (namely Phezukomoya Split 1 WEF and Hartebeesthoek West WEF).

<sup>5</sup> The original specialist, Animalia (Werner Marais) no longer conducts bat assessments and therefore a new specialist was appointed.

<sup>6</sup> Brian Colloty was the original specialist, but this was under another company, he no longer works for that company.

The split of the authorised Phezukomoya WEF will see fewer turbines being erected and the maximum authorised capacity (275 MW) will not be exceeded. The MW per WTG of the authorised Phezukomoya WEF would be increased, and fewer turbines will be built (fewer turbines with increased MW would be less than or equal to the overall authorised 275 MW).

The authorised layout has been updated due to the project split and reduction in the number of proposed wind turbines, from 55 to 12 turbines, for the Hartebeesthoek West WEF (Figure 5.1).

The findings and assessment of the authorised Phezukomoya WEF (Arcus, 2018) indicated that renewable energy is strongly supported at a national, provincial and local level. Therefore, the need and desirability of the authorised Phezukomoya WEF (Arcus, 2018) remain valid.

The development of and investment in renewable energy is supported by the National Development Plan (NDP), New Growth Path Framework and National Infrastructure Plan, which all make reference to renewable energy. At a provincial level, the development of renewable energy is supported by the Northern Cape Provincial Growth and Development Strategy and Northern Cape Provincial Spatial Development Framework, as well as the Eastern Cape Provincial Development Plan (2014) and the Eastern Cape Climate Change Response Strategy.

The establishment of the proposed WEF and the other renewable energy facilities in the Umsobomvu Local Municipality (ULM) and Inxuba Yethemba Local Municipality (IYLM) may place pressure on local services, specifically medical, education and accommodation. This pressure will be associated with the potential influx of workers to the area associated with the construction and operational phases of renewable energy projects proposed in the area, including the proposed WEF. The potential impact on local services can be mitigated by employing local community members.

In addition, as indicated below, this impact should also be viewed within the context of the potential positive cumulative impacts for the local economy associated with the establishment of renewable energy as an economic driver in the area.

The establishment of the proposed WEF and other renewable energy projects in the area also has the potential to create a number of socio-economic opportunities for the ULM and IYLM, which, in turn, will result in a positive social benefit. Figure 5.2 shows the WEF site and a 35 km radius and reflect any renewable energy projects within this radius. The positive cumulative impacts include the creation of employment, skills development and training opportunities, creation of downstream business opportunities. The Community Trusts associated with each project will also create significant socio-economic benefits.

## **6 SPECIALIST ASSESSMENT OF THE PROPOSED AMENDMENTS**

The previous EIA conducted by Arcus in 2018 assessed the potential impacts of developing the original Phezukomoya WEF using specialist input. The same methodology was utilised during this EA Amendment process.

The Phezukomoya WEF Final EIA Report (Arcus, March 2018) concluded that there are no negative high residual impacts, including potential cumulative impacts associated with the proposed development.

During the current, EA Amendment application process specialists were requested to identify changes, if any, to the impact significance ratings, recommendations and mitigation measures contained in the previous EIA. Extracts and summaries from specialist letters and reports provided during this EA Amendment application process are provided below. Specialist EA Amendment letters and reports are provided in Volume II.

## 6.1 Agricultural Potential and Soils

The original soil specialist study was completed in 2016, and for that study, a single larger study area was assessed.

The proposed amendments to the turbine specifications, layout, and the proposed HBH West study area falls within the area originally assessed area. Therefore, the findings of the original report on soils and agricultural potential will remain **unchanged**, specifically:

- The impacts that were identified and the significance ratings assessed as Medium to Low; and
- The impact management and/or mitigation measures.

The likelihood of cumulative impacts is small. Only if other developments (whether wind farms or not) were to occur, using the same access roads and thereby increasing potential soil erosion aspects, would cumulative impacts need to be considered.

**Table 6.1: Agricultural Potential and Soils Impact Assessment (Unchanged from the Original Assessment)**

	Extent	Duration	Intensity	Status	Significance	Probability	Confidence
<b>Construction Phase</b>							
Loss of Agricultural land	Low	Low	Low	Negative	<b>Low</b>	High	High
With Mitigation	Low	Low	Low	Neutral	<b>Low</b>	High	High
Increased soil erosion hazard	Low	Medium	Medium	Negative	<b>Medium</b>	High	High
With Mitigation	Low	Low	Low	Neutral	<b>Low</b>	High	High
<b>Operation Phase</b>							
Loss of Agricultural land	Low	Low	Low	Negative	<b>Low</b>	High	High
With Mitigation	Low	Low	Low	Neutral	<b>Low</b>	High	High
Increased soil erosion hazard	Low	Medium	Medium	Negative	<b>Medium</b>	High	High
With Mitigation	Low	Low	Low	Neutral	<b>Low</b>	High	High

No further recommendations were provided regarding soil impacts for the proposed development.

## 6.2 Aquatic

When considering the authorised development and the proposed amendment, the amendment will make use of an existing track/road network and will not require any new watercourse crossings. The original aquatic impact assessment for the Phezukomoya project was submitted in 2016 and will remain **unchanged**, although the amendment review was conducted with the following requirement updates, post-2016.

- Macfarlane *et al.*, (2017) Wetland and Rivers Buffers model was utilised in this assessment/review of the proposed amendments. Using this new buffer model, a buffer of 18m was determined for all the watercourses, but the 32 m indicated in the 2016 report was retained; and
- Cumulative impact assessment.

With these in mind, the findings of the aquatic assessment can be upheld, especially considering that the modelled buffers are less than those originally prescribed. The final impact of the proposed layout on the aquatic environment with suitable stormwater

management and improvement of current water courses crossings will remain low for all impacts assessed.

**Table 6.2: Aquatic Impact Assessment (Unchanged from the Original Assessment)**

	Extent	Duration	Intensity	Status	Significance	Probability	Confidence
<b>Construction Phase</b>							
Loss of riparian systems and watercourses during the construction phase of the WEF	Low	Medium	Low	Negative	<b>Medium</b>	High	High
With Mitigation	Low	Low	Low	Negative	<b>Low</b>	Low	High
Increase in sedimentation and erosion within the development footprint during the construction phase and to a lesser degree the operational phase	Low	Medium	Low	Negative	<b>Medium</b>	High	High
With Mitigation	Low	Low	Low	Negative	<b>Low</b>	Low	High
Impact on localised surface water quality	Low	Medium	Low	Negative	<b>Medium</b>	High	High
With Mitigation	Low	Low	Low	Negative	<b>Low</b>	Low	High
<b>Operation Phase</b>							
Impact on riparian systems through the possible increase in surface water runoff from hard surfaces and or new road crossings on riparian form and function	Low	Low	Low	Negative	<b>Medium</b>	High	High
With Mitigation	Low	Low	Low	Negative	<b>Low</b>	Low	High
Increase in sedimentation and erosion within the development footprint during the construction phase and to a lesser degree the operational phase	Low	Medium	Low	Negative	<b>Medium</b>	High	High
With Mitigation	Low	Low	Low	Negative	<b>Low</b>	Low	High
<b>Cumulative Phase</b>							
Overall cumulative impact during the construction and operational phases	Low	Medium	Low	Negative	<b>Medium</b>	High	High
With Mitigation	Low	Low	Low	Negative	<b>Low</b>	Low	High

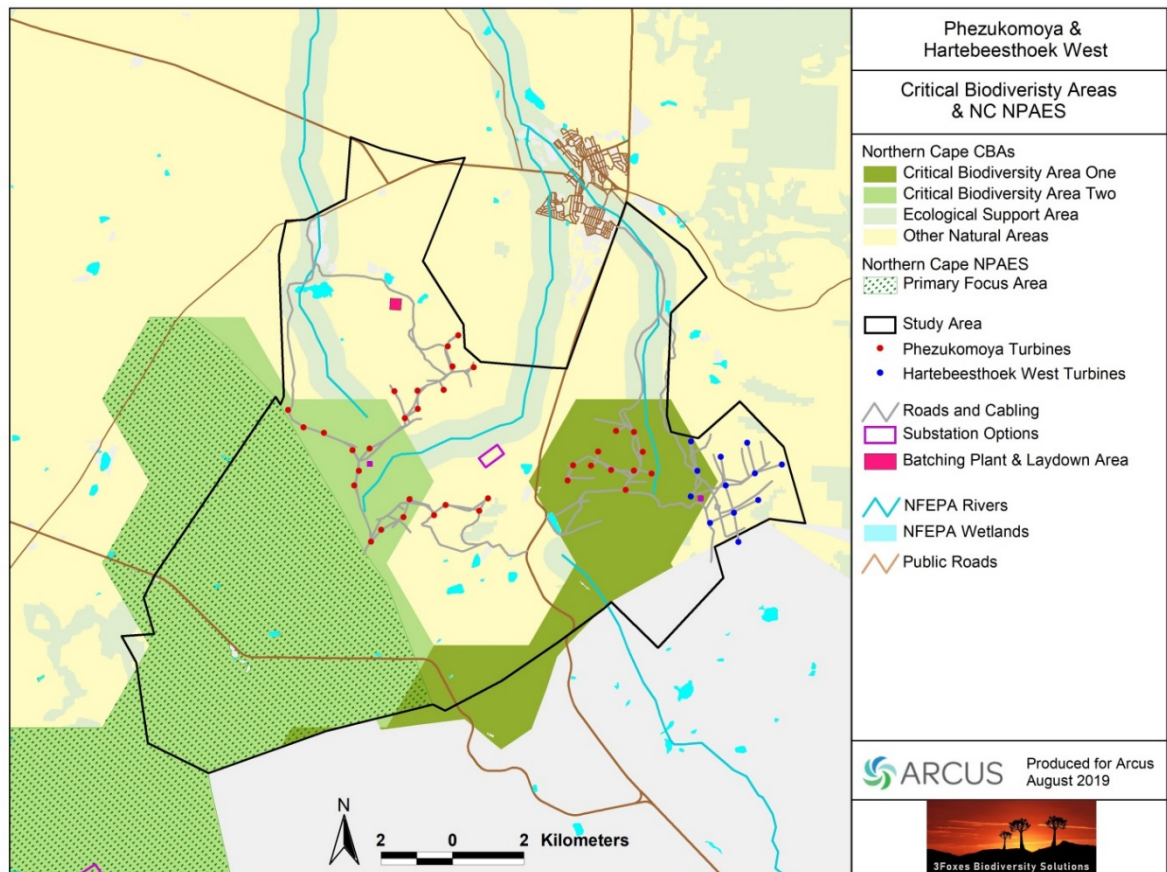
In the updated assessment of potential cumulative impacts, no additional impacts or changes to the previously assessed impacts would be required due to the proposed

amendment. This is also based on the consideration that the number of roads has been consolidated in this application while keeping the new watercourse crossings away from wide/main stem watercourses, and well away from any known wetlands within the region (closest 3 km away). Lastly, no changes to the original Mitigations or EMPr considerations are required.

### 6.3 Ecology

In terms of a comparative assessment of the approved layout and the current amended layout, there are no differences in impact associated with the proposed change. The original extent of new access roads is estimated at 61.8 km, and the combined length of the access roads required on the new amended layout, of Phezukomoya Split 1 and Hartebeesthoek West WEF, is 55.6 km. The total extent of the roads required for the combined layouts are estimated to decrease by about 10%. Furthermore, the larger turbines are expected to require somewhat larger hardstands and laydown areas, with the result that the footprint of each turbine could potentially increase. However, the total number of turbines would decrease from 55 to 12, with the result that this is likely to offset any increase in the required footprint and the total extent of habitat loss. Therefore, impacts resulting from the turbines would remain similar. The assessed impacts are considered robust and conservatively assessed, and while the footprint of the development may decrease slightly, this is not substantive and would not change any of the assessed impacts to a higher or lower significance from that assessed. As such, there are no changes in the assessed impacts associated with the split of the Phezukomoya project into the two projects as proposed.

In terms of impact on CBAs, the original layout had a total of 12 turbines within CBA 2 areas and 19 turbines within CBA 1 areas. This compares to 11 turbines in CBA 2 areas 14 turbines in CBA 1 areas in the amendment. As such, there is a moderate decrease in the number of turbines within the CBAs, which can be seen as favourable in terms of expected impacts on CBAs. However, this decrease is not considered sufficient to decrease the assessed impact of the development from moderate to low significance. As such, there is no overall change in the assessed impact of the development on CBAs. In addition, there were no turbines within the Northern Cape Protected Area Expansion Strategy Focus Areas in the original assessment, and the amendment similarly avoids these areas.



**Figure 6.1 Phezukomoya Split 1 and Hartebeesthoek West Ecological Sensitivity**

The assessed impacts following the split of Phezukomoya WEF are similar, and there are no significant differences in impact between the authorised 55 turbine facility and the proposed amendment. The assessment for the Phezukomoya Wind Energy Facility, before and after mitigation, and the amended turbine layout **remains the same** before and after mitigation (Table 6.3).

**Table 6.3: Ecological Impact Assessment (Unchanged from the Original Assessment)**

	Extent	Duration	Intensity	Status	Significance	Probability	Confidence
<b>Construction Phase</b>							
Impacts on vegetation and listed or protected plant species resulting from construction activities	Low	High	High	Negative	<b>High</b>	High	High
With Mitigation	Low	Medium	Medium	Negative	<b>Medium</b>	High	High
Faunal impacts due to construction-phase noise and physical disturbance	Low	Medium	High	Negative	<b>Medium</b>	High	High
With Mitigation	Low	Medium	Low	Negative	<b>Medium</b>	High	Medium
<b>Operation Phase</b>							

	Extent	Duration	Intensity	Status	Significance	Probability	Confidence
Faunal impacts due to operational activities	Low	Medium	Medium	Negative	<b>Medium</b>	High	High
With Mitigation	Low	Medium	Low	Negative	<b>Low</b>	Medium	Medium
Soil Erosion Risk	Low	High	High	Negative	<b>High</b>	High	High
With Mitigation	Low	Low	Low	Negative	<b>Low</b>	Low	High
Alien Plant Invasion	Low	High	Medium	Negative	<b>Medium</b>	High	High
With Mitigation	Low	Low	Low	Negative	<b>Low</b>	Low	High
Impact on Critical Biodiversity Areas and Broad-Scale Ecological Processes	Medium	High	Medium	Negative	<b>High</b>	High	High
With Mitigation	Low	High	Medium	Negative	<b>Medium</b>	Medium	High
<b>Decommission Phase</b>							
Faunal impacts due to decommissioning phase activities	Medium	Low	High	Negative	<b>Medium</b>	High	High
With Mitigation	Low	Low	Medium	Negative	<b>Low</b>	Medium	High
Following decommissioning, the site will be highly vulnerable to soil erosion	Medium	High	Medium	Negative	<b>Medium</b>	High	High
With Mitigation	Low	Low	Low	Negative	<b>Low</b>	Low	High
Alien Plant Invasion following decommissioning	Low	High	Medium	Negative	<b>Medium</b>	High	High
With Mitigation	Low	Low	Low	Negative	<b>Low</b>	Low	High
Faunal impacts due to decommissioning phase activities	Medium	Low	High	Negative	<b>Medium</b>	High	High
With Mitigation	Low	Low	Medium	Negative	<b>Low</b>	Medium	High

From an ecological perspective, the changes associated with the amendment are not seen as increasing the impact associated with the development. In addition, cumulative impacts associated with the amendment would be similar to the assessed impacts and are considered acceptable.

The original conclusions regarding the positive acceptability of the development are therefore also upheld for the amendment, and no additional mitigation or avoidance measures are required for the amended layout.

#### 6.4 Bats

The newly appointed bat specialist for the amendment assessment conducted a literature review on bats and wind energy impacts with a focus on the relationship between turbine size and bat fatality. In addition, the pre-construction bat monitoring report for the original Phezukomoya WEF was reviewed, along with the current bat sensitivity buffers. The original monitoring was conducted between July 2015 and September 2016.



During the pre-construction bat monitoring at the Phezukomoya WEF, bat activity was recorded at 10 m and 80 m. Relatively high bat activity was recorded overall, but the majority of this was at 10 m. These results suggest that on average, bat activity is greater at lower heights but that there are important differences across species – those species adapted to using open-air spaces are at greater risk. The core issue relevant to this assessment is the impact to bats of increasing the size of the turbines at the Hartebeesthoek West WEF. The proposed amendment to the turbines at the wind farm would result in a greater rotor swept area per turbine and hence a potentially greater likelihood that bats would collide with turbine blades or experience barotrauma.

Of the impacts identified in the original bat assessment report, only mortality of species due to collision with turbine blades or due to barotrauma, and cumulative impacts are relevant to this amendment. The significance of all other identified impacts on bats associated with the development will remain the same as per the original bat assessment report. The potential collision impact to bats, as well as the potential cumulative impacts, are currently rated as high before, and medium after mitigation. The primary mitigation measures are avoiding sensitive areas for bats and curtailment. However, even though changes to the turbine dimensions are proposed, which may impact bats, the impact ratings **will not change** from high before mitigation and medium after mitigation. The only change required is to update the sensitivity map, which has been done. Sensitive areas were defined as either high (with a 200 m buffer) or moderate (with a 100 m buffer). The current turbine layout adheres to these buffers, with no turbines located within them.

No bat activity data are available in the area between the heights of 10 m and 80 m or over 80 m, because activity at these heights was not monitored. Despite the available pre-construction monitoring data showing that bat activity at 80 m is low, it would be preferential to maximise the distance between the ground and blade tips by using turbines with the shortest possible blades and the highest possible hub height. This would reduce the number of species potentially impacted upon by turbine blades during the operation phase. It would also be preferential to use shorter blades so that they don't intrude into higher airspaces and in doing so reduces the potential impact to high flying species such as free-tailed bats. Despite the low activity at height, increasing evidence suggests that bats actively forage around wind turbines (Cryan *et al.* 2014; Foo *et al.* 2017), so the installation of turbines in the landscape may alter bat activity patterns, either by increasing activity at height and/or increasing the diversity of species making use of higher airspaces.

No additional mitigation measures are required, and as such, no changes to the EMPr are required either.

**Table 6.4: Bat Impact Assessment (Unchanged from the Original Assessment)**

	Extent	Duration	Intensity	Status	Significance	Probability	Confidence
<b>Construction Phase</b>							
Destruction of bat roosts due to earthworks and blasting	Medium	Low	High	Negative	<b>Medium</b>	Medium	High
With Mitigation	Low	Low	Medium	Negative	<b>Low</b>	Low	High
Loss of foraging habitat	Low	High	Low	Negative	<b>Medium</b>	Medium	High
With Mitigation	Low	Medium	Low	Negative	<b>Low</b>	Low	High
<b>Operation Phase</b>							
Bat mortalities due to direct blade impact or barotrauma during	Low	High	High	Negative	<b>High</b>	High	High

	Extent	Duration	Intensity	Status	Significance	Probability	Confidence
foraging activities (not migration)							
With Mitigation	Low	High	Low	Negative	<b>Medium</b>	Medium	High
Artificial Lighting	Low	High	Medium	Negative	<b>Medium</b>	High	High
With Mitigation	Low	High	Low	Negative	<b>Low</b>	Low	High

## 6.5 Avifauna

A re-assessment of the potential turbine collision impact was carried out given the potential changes to the turbine specifications, in light of the proposed amendment and in order to establish if the original pre-mitigation assessment and the original mitigation measures, by Van Rooyen *et al.* (2017), need to be revised.

While the increase of 36.11 % in rotor swept area per turbine (from ~17 671 m<sup>2</sup> to ~24 052 m<sup>2</sup>) was considered significant, it was also recognised that the 14 % reduction in the planned maximum number of turbines (from 55 to 47) for the combined area reduces the potential impact of the larger turbines significantly, given the fact that fewer, larger turbines are preferable to more, smaller turbines. It is therefore concluded that the original pre-mitigation impact significance ratings are not affected by the proposed changes in the turbine numbers and dimensions and will remain **unchanged**.

The mitigation measures originally proposed for the Phezukomoya WEF by Van Rooyen *et al.* (2017) needed to be revisited, based on the "Best Practice Guidelines for Avian Monitoring and Impact Mitigation at Proposed Wind Energy Development Sites in Southern Africa", (Jenkins *et al.* 2011 as revised in 2015). This re-assessment was necessary in order to take cognisance of any changes in the environment, which may affect the risk to avifauna and to incorporate the latest available knowledge into the assessment of the risks. In order to give effect to this requirement, nest searches were repeated in June 2019 to ensure up to date information on the breeding status of priority species at the proposed Hartebeesthoek West WEF. No new nests were found which could be directly impacted upon by the proposed Hartebeesthoek West WEF.

It is therefore concluded that the original pre-mitigation impact significance ratings are not affected by the proposed changes in the turbine numbers and dimensions and no new mitigation measures are required in addition to the mitigation originally proposed by Van Rooyen *et al.* 2017.

**Table 6.5: Avifaunal Impact Assessment (Unchanged from the Original Assessment)**

	Extent	Duration	Intensity	Status	Significance	Probability	Confidence
<b>Construction Phase</b>							
Displacement of priority species due to construction activities at the wind development area	Low	Low	Medium	Negative	<b>Medium</b>	High	Medium
With Mitigation	Low	Low	Low	Negative	<b>Medium</b>	Medium	Medium
<b>Operation Phase</b>							
Direct mortality of priority species due to electrocution associated with the internal medium	Low	Medium	Medium	Negative	<b>Medium</b>	High	High

	Extent	Duration	Intensity	Status	Significance	Probability	Confidence
voltage MV powerline at the wind development area							
With Mitigation	Low	Medium	Medium	Negative	<b>Low</b>	Low	High
Displacement of priority species due to habitat destruction at the wind development site	Low	High	Low	Negative	<b>Medium</b>	Medium	Medium
With Mitigation	Low	High	Low	Negative	<b>Low</b>	Low	Medium
Direct mortality of priority species due to collisions with the turbines at the wind development area	Low	Medium	Medium	Negative	<b>Medium</b>	High	Medium
With Mitigation	Low	Medium	Low	Negative	<b>Low</b>	Low	Low
<b>Decommission Phase</b>							
Displacement of priority species due to dismantling activities at the wind development area	Low	Low	Medium	Negative	<b>Medium</b>	High	Medium
With Mitigation	Low	Low	Low	Negative	<b>Medium</b>	Medium	Medium
<b>Cumulative Phase</b>							
Overall Impacts	Medium	Medium	Medium	Negative	<b>Medium</b>	High	High
With Mitigation	Medium	Medium	Low	Negative	<b>Low</b>	Low	Medium

## 6.6 Noise

The environmental noise impact assessment (ENIA) indicated that the noise impact would remain of medium significance on two potential noise-sensitive development (NSD) in the area during the construction phase, mainly due construction of access roads as well as construction traffic, and of low significance on all the potential noise-sensitive developments (NSDs) in the area during the operational phase, using the Acciona AW125/3000 wind turbine for all operational wind speeds (generating 108.4 dBA) – maximum noise level less than 40.9 dBA at NSD03.

The applicant is proposing the split of the Phezukomoya WEF into two smaller wind farms, namely the Phezukomoya Split 1 and Hartbeesthoek West wind farms (separate amendment application process). The ENIA for the split specifically addressed the following proposed changes in the wind turbine details, including:

- A hub height of 137 m with a rotor diameter of 175 m; and
- Increasing the turbine output to 6.2 MW per turbine.

The change, however, does not move any wind turbines closer than 1,000 m to any identified NSDs and will reduce the number of wind turbines. Considering the proposed changes to the layout, wind turbine specifications and the turbine output, it is the specialists' opinion that the change will not increase or change the significance of the noise impact.

A full noise impact assessment with new modelling was not required, and the recommendations as contained in the previous document are valid. This recommendation

is based on the outcome of the report, which indicated that the extent of the potential impact is limited to 1,000 m from the closest wind turbines.

The impacts, significance, findings and the recommendations of the ENIA report, 2017 will **remain the same**, i.e. medium significance during the construction phase, with mitigation measures to minimise impact and low during the operation phase. While this project will have a very slight noise impact at a number of the closest noise-sensitive receptors, these impacts are of low significance (including access roads as well as construction traffic) and can be considered insignificant. Similarly, there is no risk of a cumulative noise impact. Furthermore, it was not required to do any additional, or other acoustic studies for the proposed changes and no mitigation measures are recommended for inclusion in the EMPr and conditions to be included in the EA remains as per the 2017 report.

**Table 6.6: Noise Impact Assessment (Unchanged from the Original Assessment)**

	Extent	Duration	Intensity	Status	Significance	Probability	Confidence
<b>Construction Phase</b>							
Daytime construction of the Access Roads	Low	Low	High	Negative	<b>Low</b>	Low	High
With Mitigation	Low	Low	Low	Negative	<b>Low</b>	Low	High
Night-time construction of the Access Roads	Low	Low	High	Negative	<b>Medium</b>	High	High
With Mitigation	Low	Low	Low	Negative	<b>Low</b>	Low	High
Noise from daytime construction traffic	Low	Low	High	Negative	<b>Medium</b>	Medium	High
With Mitigation	Low	Low	Low	Negative	<b>Low</b>	Low	High
Noise from night-time construction traffic	Low	Low	High	Negative	<b>Medium</b>	High	High
With Mitigation	Low	Low	Low	Negative	<b>Low</b>	Low	High
Daytime construction of Wind Turbines	Low	Low	Low	Negative	<b>Low</b>	Low	High
With Mitigation	Low	Low	Low	Negative	<b>Low</b>	Low	High
Night-time construction of Wind Turbines	Low	Low	Low	Negative	<b>Low</b>	Low	High
With Mitigation	Low	Low	Low	Negative	<b>Low</b>	Low	High
<b>Operation Phase</b>							
Daytime operation of Wind Turbines	Low	Medium	Low	Negative	<b>Low</b>	Low	High
With Mitigation	Low	Medium	Low	Negative	<b>Low</b>	Low	High
Night-time operation of Wind Turbines	Medium	Medium	Low	Negative	<b>Low</b>	Low	High
With Mitigation	Medium	Medium	Low	Negative	<b>Low</b>	Low	High
<b>Cumulative Phase</b>							
Daytime operation of Wind Turbines	Low	Medium	Low	Negative	<b>Low</b>	Low	High
With Mitigation	Low	Medium	Low	Negative	<b>Low</b>	Low	High

	Extent	Duration	Intensity	Status	Significance	Probability	Confidence
Night-time operation of Wind Turbines	Medium	Medium	Low	Negative	Low	Low	High
With Mitigation	Medium	Medium	Low	Negative	Low	Low	High

## 6.7 Heritage

A site visit was conducted by ACO from the 8 - 11 April 2019 to assess the new layout and cable/road alignment for heritage impacts. While it was not possible to survey all project components within the study area, the combined overall coverage of the 2017 and 2019 surveys was good, and the majority of proposed wind turbine generators (WTG) positions and a good portion of infrastructure alignments for the Hartebeesthoek West WEF have been archaeologically surveyed. The confidence in the findings is thus high.

The proposed amendments of the Hartebeesthoek West WEF relevant to archaeological resources are a reduction in the number of WTG from the authorised 55 to 12 for this proposed development; and the adjustment of the turbine, network cable and road layout within the WEF.

The 2017 survey of the Phezukomoya WEF indicated that there were very few archaeological sites on the Kikvorsberge. This tends to confirm what has proved to be the case across the Karoo: that high ridges, which are dry, windswept and very cold in winter, seldom attracted more than passing prehistoric human occupation. Unless there is a rock shelter, a source of water or of stone raw material, these areas are not likely to be archaeologically sensitive.

The 2017 archaeological field survey identified five archaeological occurrences and sites within the proposed 2019 footprint of the Hartebeesthoek West WEF. The majority of these are ephemeral surface scatters of stone artefacts, made largely on hornfels and dating from the MSA. No ceramic period sites, rock engravings or San rock paintings were identified, but a number of historical period structures (a kraal, packed stone walls and a wolwehok) were recorded. No sites identified in 2017 and now within the Hartebeesthoek West WEF were identified by the Phezukomoya HIA as likely to be impacted by the construction of that WEF and no mitigation was proposed for any of the sites identified.

After consultation with the South African Heritage Resources Agency (SAHRA) case officer, the intention of the 2019 field survey for the Hartebeesthoek West WEF was to concentrate on visiting new WTG locations that were more than 150 m from any position covered by the 2017 survey. Table 6.7 shows that only a single site is likely to be impacted by the current WEF layout.

An assessment of the impact of the proposed amendments to palaeontological resources was not conducted as part of the EA Amendment applications as the existing study, done by Dr. John Almond, October 2017, for the authorised San Kraal WEF is still considered to be valid. Dr. John Almond ('Almond') has taken impact assessments in the area for the Noupoort Wind Farm to the East and bordering directly on the San Kraal parcel. The specialist also undertook the San Kraal and Phezukomoya assessment, all of which involved broad field work components prospecting any likely areas outside and within the land parcels involved. This is undertaken to find locales where the underlying palaeontology may be exposed and visible which is not always the case in the actual project areas themselves. Almonds conclusions were therefore based on a solid desktop knowledge of the local geology and palaeontology, reinforced by field observation. The palaeontological finds on the three large land parcels that was surveyed are minimal due to the depleted nature of the mountain-top Katberg deposits, and all the finds made have been on the sides of slopes and gullies where mud strata are exposed. It is based on the general geology of the area that Almonds recommendations and conclusions are derived. The geology

throughout the original and amended project areas are similar – the same formations are involved. The land parcels have been well-covered and considered in the original project areas and therefore the original conclusions and recommendations for the authorised San Kraal WEF should continue to stand and be adhered to for the amendment process.

**Table 6.7: Comparison of graded sites potentially impacted by 2017 and 2019 WEF layouts**

Archaeological Site/ Occurrence	Proximity to WEF feature		Potential Impact		Grading
	2017	2019	2017	2019	
<b>JG005</b> - Cluster of packed stone	Within network cable and WTG46	Approx. 115 m south-west of WTG101	No	No	IIIC
<b>JG006</b> – Rock cairn	In proximity to WTG46	Approx. 86 m south-west of WTG101.	No	No	IIIC
<b>JG007</b> – Scatter of MSA lithics in pan	In proximity to WTG48	Approx. 71 m west of cable/ road between WTG101 and WTG201	No	No	IIIC
<b>JG008</b> – Stone kraal	Within San Kraal 132kV OHL option 2.	Approx. 800 m from cable alignment to WTG203. Will not be affected by WEF.	No	No	IIIC
<b>GEB009</b> – Stone boundary marker	N/A	Approx. 4 m from cable/ road alignment to WTG304 and 38 m from WTG304	No	Yes	IIIC

It is not expected that the Hartebeesthoek West WEF will have significant impacts on archaeological sites and materials. There is likely to be an impact only one, low significance historical structure (GEB009), and the likelihood of other sites or material being found during earthworks is extremely low. It is also assumed that impacts on sites within 20 m of a cable/ road alignment or WTG location are unavoidable.

**Table 6.8: Heritage Impact Assessment (Unchanged from the Original Assessment)**

	Extent	Duration	Intensity	Status	Significance	Probability	Confidence
<b>Construction Phase</b>							
Impacts to Archaeological Heritage	Low	High	Low	Negative – Neutral	<b>Low</b>	Low	High
With Mitigation	Low	High	Low	Negative – Neutral	<b>Low</b>	Low	High
Impacts to Colonial Period Heritage	Low	Low	Low	Negative – Neutral	<b>Low</b>	Low	High
With Mitigation	Low	Low	Low	Negative – Neutral	<b>Low</b>	Low	High
Impacts to cultural landscape and setting	Low	Medium	Medium	Negative	<b>Medium</b>	Medium	High
With Mitigation	Low	Medium	Medium	Negative	<b>Medium</b>	Medium	High
<b>Palaeontological Heritage Impact</b>							
Impacts to Palaeontology	Low	High	Medium	Negative	<b>Medium</b>	Medium	High

	Extent	Duration	Intensity	Status	Significance	Probability	Confidence
With Mitigation	Low	High	Low	Neutral - Pos	<b>Low</b>	Low	High
<b>Operation Phase</b>							
Impacts to cultural landscape and setting	Low	Medium	Medium	Negative	<b>Medium</b>	Medium	High
With Mitigation	Low	Medium	Medium	Negative	<b>Medium</b>	Medium	High

Possible impacts of the proposed WEF on archaeological heritage resources were determined to be of tolerable and generally of low significance and does not change from the original assessment. Based on the comparative assessment of impacts, the cumulative impact assessment made in the 2017 HIA (Hart *et al.*, 2017a) remains valid for the revised Hartebeesthoek West WEF: cumulative impacts will be of low consequence for WEFs and tolerable for solar PV facilities with their more intensive impacts on the land within their footprints.

Provided that the mitigation measures recommended in the amendment report are implemented, the overall impact of the construction of the Hartebeesthoek West WEF is tolerable and generally of low significance and, from a heritage perspective, the proposed amendments are considered acceptable.

## 6.8 Visual

Baseline information for this amendment report is largely drawn from the original VIA which was based on a desktop-level assessment supported by field-based observation.

Given that the proposed Hartebeesthoek West WEF is located within the project area already assessed for the original Phezukomoya WEF, it was not considered necessary to undertake any additional fieldwork. Fieldwork undertaken for the Phezukomoya WEF VIA has therefore been used to inform this new VIA. This fieldwork involved a four (4) day site visit in September 2017 which served to verify the landscape characteristics identified via desktop means; conduct a photographic survey of the study area; verify, where possible, the sensitivity of visual receptor locations identified via desktop means; eliminate receptor locations that are unlikely to be influenced by the proposed development; identify any additional visually sensitive receptor locations within the study area; and inform the impact rating assessment of visually sensitive receptor locations.

During the site visit, it was observed that a few of the farmsteads / residential dwellings identified via desktop means (i.e. Google Earth) had been abandoned. As such, these were eliminated from the list of potentially sensitive receptor locations for the purpose of the original EIA phase study. Although several turbines, within the areas of 'medium-high sensitivity', the development is still regarded as acceptable from a visual perspective.

**Table 6.9: Visual Impact Assessment of the Original Assessment**

	Extent	Duration	Intensity	Status	Significance	Probability	Confidence
<b>Construction Phase</b>							
Impact on access roads	Medium	Low	Medium	Negative	<b>Medium</b>	Medium	Medium
With Mitigation	Medium	Low	Medium	Negative	<b>Medium</b>	Medium	Medium
Impact on cabling	Medium	Low	Medium	Negative	<b>Medium</b>	Medium	Medium
With Mitigation	Medium	Low	Medium	Negative	<b>Medium</b>	Medium	Medium
<b>Operation Phase</b>							

	Extent	Duration	Intensity	Status	Significance	Probability	Confidence
Impact on access roads	Medium	Medium	High	Negative	<b>Medium</b>	High	Medium
With Mitigation	Medium	Medium	Medium	Negative	<b>Medium</b>	High	Medium
Impact on cabling	Medium	Medium	Medium	Negative	<b>Medium</b>	High	Medium
With Mitigation	Medium	Medium	Medium	Negative	<b>Medium</b>	High	Medium
<b>Cumulative Phase</b>							
Construction Phase	Medium	Medium	High	Negative	<b>Medium</b>	High	Medium
With Mitigation	Medium	Medium	Medium	Negative	<b>Medium</b>	Medium	Medium
Operation Phase	Medium	Medium	Medium	Negative	<b>Medium</b>	High	Medium
With Mitigation	Medium	Medium	Medium	Negative	<b>Medium</b>	High	Medium

**Table 6.10: Updated Visual Impact Assessment based on the Amendments**

	Extent	Duration	Intensity	Status	Significance	Probability	Confidence
<b>Construction Phase</b>							
Impact on access roads	Medium	Low	Medium	Negative	<b>Medium</b>	Medium	Medium
With Mitigation	Medium	Low	Low	Negative	<b>Low</b>	Medium	Medium
Impact on cabling	Medium	Low	Medium	Negative	<b>Medium</b>	Medium	Medium
With Mitigation	Medium	Low	Low	Negative	<b>Low</b>	Medium	Medium
<b>Operation Phase</b>							
Impact on cabling	Low	Medium	Low	Negative	<b>Low</b>	Low	Medium
With Mitigation	Low	Medium	Low	Negative	<b>Low</b>	Low	Medium

The assessment revealed that impacts associated with the proposed Hartebeesthoek West WEF would be of moderate significance during both construction and decommissioning phases. This could, however, be reduced to low with the implementation of mitigation measures. During operation, visual impacts from the WEF would be of moderate significance with relatively few mitigation measures available to reduce the visual impact. Visual impacts associated with the WEF on-site infrastructure during operation would be of low significance, and cumulative impacts have been rated as medium.

Visual impacts associated with the proposed Hartebeesthoek West WEF is of moderate significance. Proposed changes to the authorised WEF development do not give rise to additional visual impacts or exacerbate the impacts previously identified in respect of the original Phezukomoya WEF.

## 6.9 Social

From a social perspective, the only material change to the previous project design is the reduction in the number of wind turbines from 55 to 12 and the changes in the technical specifications of the wind turbines. The relocation of some wind turbines to ensure that they fall outside of the constraints areas **will not impact** on the findings of the SIA undertaken in 2017-2018.

The wind turbines are located on properties owned by three landowners, namely:

- Umsobomvu Local Municipality - 10 wind turbines;
- Mr Pieter Erasmus - 1 wind turbine; and
- Mr Jean Gilmer - 1 wind turbine.



The findings of the 2018 SIA indicated that the development of the proposed Phezukomoya WEF would create employment and business opportunities for locals during both the construction and operational phase of the project. The establishment of a Community Trust will also benefit the local community. The potential negative social impacts could also be effectively mitigated. The proposed development also represented an investment in clean, renewable energy infrastructure, which, given the negative environmental and socio-economic impacts associated with a coal-based energy economy and the challenges created by climate change, represents a significant positive social benefit for the society as a whole. The findings of the SIA also indicated that the Renewable Energy Independent Power Producers Procurement Programme (REIPPPP) has resulted in significant socio-economic benefits, both at a national level and a local, community level. These benefits are linked to Foreign Direct Investment, local employment and procurement and investment in local community initiatives.

The significance ratings for the cumulative impacts associated with the Part 2 Amendment Hartebeesthoek West are the same as those for the original Phezukomoya WEF (SIA January 2018), namely:

- Cumulative impact on sense of place - Medium Negative;
- Cumulative impact on services - Low Negative; and
- Cumulative impact on local economies - High Positive.

The project will create significant socio-economic opportunities for the area and have limited potential negative social impacts. The Hartebeesthoek West WEF is located in a proven high wind resource area. The project is needed and desirable for the following reasons:

- Positive impact on climate change;
- Overcoming the country's energy constraints;
- Diversification and decentralisation of supply;
- Reduced costs of energy; and
- Positive economic development, including job creation.

Based on the findings of the SIA, the establishment of the proposed Hartebeesthoek West WEF is supported.

**Table 6.11: Social Impact Assessment of the Original Assessment**

	Extent	Duration	Intensity	Status	Significance	Probability	Confidence
<b>Construction Phase</b>							
Creation of local employment, training and business opportunities	Medium	Low	Medium	Positive	<b>Medium</b>	Medium	High
With Enhancements	High	Low	High	Positive	<b>High</b>	High	High
Impact of construction workers on local communities	Medium	Low	Medium	Negative	<b>Medium</b>	Medium	High
With Mitigation	Medium	Low	Low	Negative	<b>Low</b>	Medium	High
Influx of job seekers	Medium	Low	Low	Negative	<b>Low</b>	Medium	Medium
With Mitigation	Medium	Low	Low	Negative	<b>Low</b>	Medium	Medium
Risk to safety, livestock, farm infrastructure and farming operations	Medium	Low	Medium	Negative	<b>Medium</b>	Medium	High

	Extent	Duration	Intensity	Status	Significance	Probability	Confidence
With Mitigation	Medium	Low	Low	Negative	<b>Low</b>	Medium	High
Increased fire risk	Medium	Low	Medium	Negative	<b>Medium</b>	Medium	High
With Mitigation	Medium	Low	Low	Negative	<b>Low</b>	Medium	High
Impacts associated with construction vehicles	Medium	Low	Medium	Negative	<b>Medium</b>	Medium	High
With Mitigation	Medium	Low	Low	Negative	<b>Low</b>	Medium	High
Impact associated with loss of farmland	Medium	Low	Low	Negative	<b>Medium</b>	Medium	High
With Mitigation	Medium	Low	Low	Negative	<b>Medium</b>	Medium	High
<b>Operation Phase</b>							
Development of renewable energy infrastructure	Medium	High	Medium	Positive	<b>Medium</b>	Medium	High
With Enhancements	Medium	High	High	Positive	<b>High</b>	High	High
Creation of employment and business opportunities and support for local economic development	Medium	Medium	Low	Positive	<b>Low</b>	Medium	High
With Enhancements	Medium	Medium	Medium	Positive	<b>Medium</b>	High	High
Benefits associated with the establishment of a Community Trust	Medium	High	Medium	Positive	<b>Medium</b>	Medium	High
With Enhancements	Medium	High	High	Positive	<b>High</b>	High	High
Generate income for affected landowners	Medium	Medium	Low	Positive	<b>Low</b>	Medium	High
With Enhancements	Medium	Medium	Medium	Positive	<b>Medium</b>	High	High
Impact on sense of place and rural character of the landscape based on findings of VIA	Medium	Medium	Medium	Negative	<b>Medium</b>	Medium	Medium
With Mitigation	Medium	Medium	Medium – Low	Negative	<b>Medium – Low</b>	Medium	Medium
Potential impact on property values	Medium	Medium	Medium	Negative	<b>Medium</b>	Medium	Medium
With Mitigation	Medium	Medium	Low	Negative	<b>Low</b>	Medium	Medium
Potential impact on tourism	Medium	Medium	Low	Negative	<b>Low</b>	Medium	High
With Mitigation	Medium	Medium	Low	Negative	<b>Low</b>	Medium	High
<b>Decommission Phase</b>							
Loss of jobs and associated income	Medium	Medium	Medium	Negative	<b>Medium</b>	Medium	High
With Mitigation	Medium	Low	Low	Negative	<b>Low</b>	Medium	High

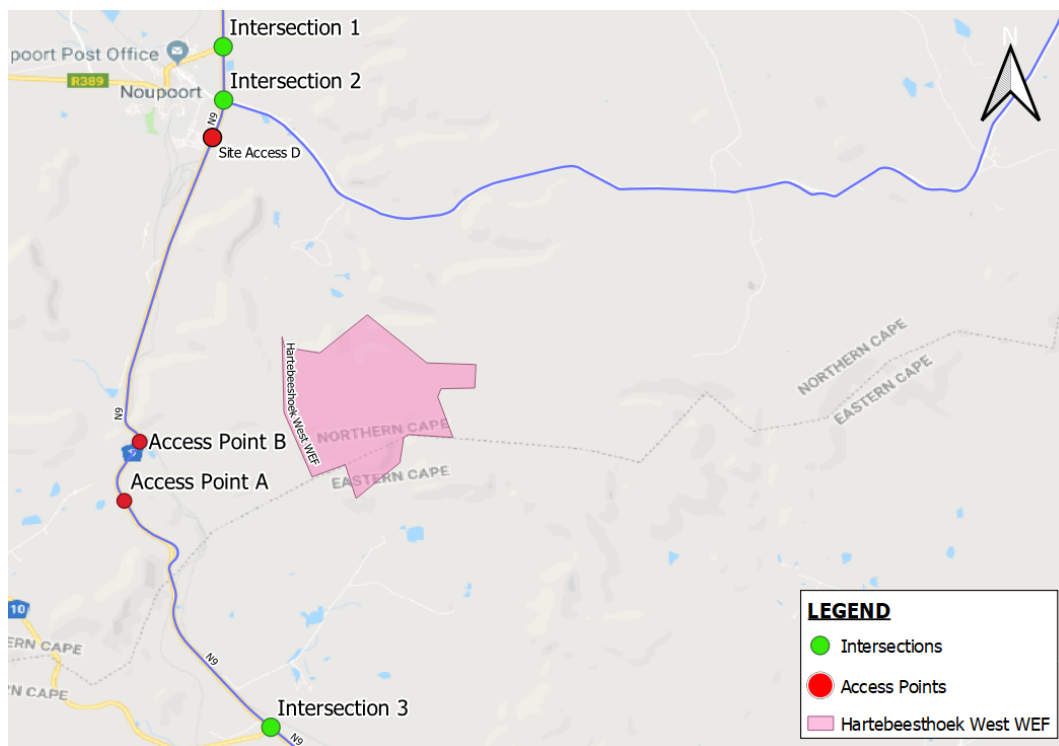
**Table 6.12: Updated Social Impact Assessment based on the Amendments**

	Extent	Duration	Intensity	Status	Significance	Probability	Confidence
<b>Construction Phase</b>							
Creation of local employment, training and business opportunities	Medium	Low	Medium	Positive	<b>Medium</b>	Medium	High
With Enhancements	High	Low	High	Positive	<b>Medium</b>	High	High
<b>Operation Phase</b>							
Creation of employment and business opportunities and support for local economic development	Medium	Medium	Low	Positive	<b>Low</b>	Medium	High
With Enhancements	Medium	Medium	Medium	Positive	<b>Low</b>	High	High
Benefits associated with the establishment of a Community Trust	Medium	High	Medium	Positive	<b>Medium</b>	Medium	High
With Enhancements	Medium	High	High	Positive	<b>Medium</b>	High	High

## 6.10 Traffic

The amendment report was produced to assess the proposed amendments and their potential to have a significant change in impact on the traffic and surrounding transportation network. The proposed changes that have the most impact on traffic generated are the number of wind turbines. This will decrease and increase trips generated to the site, respectively. The extent of impact caused by this amendment will be quantified in the capacity and safety analysis.

Three site access point options and 3 intersections have been identified to provide access to the Hartebeesthoek West WEF. Through site visits and desktop studies, each access point was evaluated for its suitability to serve the WEF, taking into consideration site distance lines, intersection/access spacing requirements, speed limits and road surface conditions. Based on the analysis, Access D is preferred to provide access to the site.



**Figure 6.2 Site Access Points and Intersections**

**Table 6.13: Traffic impact Assessment based on the Amendments**

	Extent	Duration	Intensity	Status	Significance	Probability	Confidence
<b>Construction / Decommissioning Phase</b>							
Impact on increased traffic on the route and access points to the site	Low	Low	Medium	Negative	<b>Low</b>	High	High
With Mitigation	Low	Low	Low	Negative	<b>Very Low</b>	High	High

Based on the information detailed in the TIA report, the base year and forecast year road capacity has indicated that the proposed development and proposed amendments will have no significant change in impact on the existing road network capacity and the project will maintain acceptable levels of service. Further, the safety assessment has indicated that the proposed development will have some impact at proposed access points. Providing access from national roads will impact the mobility of the road. Therefore, adequate traffic control and clear road markings and warnings signs must be provided. Given the findings of the report, it is recommended that the proposed construction be considered favourably from a traffic engineering point of view as the intended construction will have no significant negative impact on the surrounding road network.

### 6.11 Wake Effect

A wake effect analysis study was commissioned by EDF (previously InnoWind), to determine, what effect, if any, the proposed Phezukomoya development will have on the operational Noupoort Wind Farm. The study concluded that the operation of the Phezukomoya WEF would potentially result in a 0.96 % loss for the Noupoort Wind Farm (under certain wind flow, speed and wind turbine specifications). EDF has previously engaged and will continue to engage, with Mainstream regarding the wake effect that will have a potential impact on the Noupoort Wind Farm's energy production once the

Hartebeesthoek West WEF becomes operational. The total number of turbines used for the study was 55 turbines. The total combined number of turbines with the split of the Phezukomoya WEF into two smaller wind farms will decrease to 47 turbines.

## 7 ADVANTAGES AND DISADVANTAGES OF THE PROPOSED AMENDMENT

Specialists were requested to provide an opinion on the advantages and disadvantages of the proposed amendment application. Table 7.1 below provides a comparative assessment of the advantages and disadvantages of the proposed amendment to the authorised Hartebeesthoek West WEF.

*Table 7.1 Advantages and Disadvantages of the Amendment*

Advantages	Disadvantages
A reduction in the number of turbines means a smaller footprint is required and therefore less vegetation clearance and habitat loss.	It is possible that some bat species, particularly those not adapted to use open-air spaces, are being killed at the lower sweep of the turbine blades so increasing the blade length and having a shorter distance between the ground and the lowest rotor point may have a negative impact and potentially place a greater diversity of species at risk.
The original layout had a total of 12 turbines within CBA 2 areas and 19 turbines within CBA 1 areas. This compares to 11 turbines in CBA 2 areas 14 turbines in CBA 1 areas in the amendment.	A marginal disadvantage could possibly arise from the split of the authorised Phezukomoya WEF if the two projects are not constructed concurrently as prolonged construction periods would exacerbate visual impacts associated with construction.
It is likely that splitting the authorised Phezukomoya WEF into two WEFs, will lead to long term job opportunities, especially if the construction of the WEFs are phased.	The reduced number of turbines and the associated implications in terms of capital expenditure, employment (construction and operational phase), and the impact of construction workers.
All turbines are located away from highly sensitive areas, and no turbines are located in no-go areas or buffers.	In terms of the Community Trust, the potential changes would be linked to the reduced revenue associated with the lower generation capacity (MWs).
Bat activity and species diversity are greater at ground level than at height. Therefore, even though bats are recorded at heights that would put them at risk from taller turbines, the proportion of bats that would be at risk might be less.	
The number of bat species that might be impacted would decrease because not all bat species use the airspace congruent with the rotor swept area of modern turbines owing to morphological adaptations related to flight and echolocation.	
The reduction in the number of WTGs from that proposed for this portion of the authorised Phezukomoya WEF is an advantage of the Hartebeesthoek West layout as it reduces the potential for impacts on archaeological sites and material.	
The revised layout of the WEF also has the advantage of increasing the distance between the identified heritage sites and WEF infrastructure, thereby ensuring that no impacts will occur.	
Fewer larger turbines are preferable from an avifaunal perspective.	

Advantages	Disadvantages
A reduction in the number of turbines will reduce the overall visual impact to identified sensitive receptors.	
A reduction in the number of trips to site, therefore decrease in the impacts to traffic.	

## 8 PUBLIC PARTICIPATION PROCESS

The I&AP database of the authorised Phezukomoya WEF EIA (Arcus, 2018) process was used as a baseline for this amendment application. The Socio-economic specialist study for this amendment included consultation and interviews with Interested and Affected Parties (I&APs) and other key informants and stakeholders as necessary in order to assess social impacts.

All I&APs were notified of the intention to submit the Amendment Report via the placement of adverts in the same newspapers utilised during the previous EIA, i.e. The Herald and Graaff Reinet Advertiser. Site notices were placed along the boundary of the site to inform I&APs of the amendment application (Appendix C).

Notification letters via email and registered mail were sent to all I&APs informing them of the availability of the amendment report for review and comment, from the 26 September 2019 to the 25 October 2019 (Volume I: Appendix E). The report was made available at the Noupoot Library as a hard copy and digitally on the Arcus website ([www.arcusconsulting.co.za/projects](http://www.arcusconsulting.co.za/projects)).

Registration of I&APs continued throughout the process, and the I&AP database was updated accordingly, based on comments received and included in the final amendment report (Volume I: Appendix D).

All comments are included in the Comments and Response Table, and responded to and addressed by the project team, i.e. EAP, Applicant and Specialists as applicable. The Comments and ResponsesTable is provided with this Final EA Amendment Report (Volume I: Appendix H).

With the exception of the DEA, no comments were received on the Amendment Report.

## 9 CHANGES TO THE DRAFT EMPR

The EMPr for the original Phezukomoya WEF prepared by Arcus in 2018 was amended in respect of the assessment of impacts on archaeological sites and materials within the Hartebeesthoek West WEF.

## 10 RECOMMENDATIONS AND CONCLUSION

Hartebeesthoek Wind Power (Pty) Ltd is proposing the amendment to the already authorised Phezukomoya Wind Energy Facility (WEF). The proposed amendments to the turbine specifications and layout, and the proposed Hartebeesthoek West study area, falls within the originally assessed area. The split enables a similar amount of energy yield with fewer turbines. Corresponding to this reduction in the number of turbines was a decrease in hub height - from 150 m to up to 137 m, and an increase in rotor diameter - from 150 m to up to 175 m.

The use of renewable energy to provide power to South Africa is supported at International, National, Provincial and Local Government Levels. Further, given South Africa's need for additional electricity generation and the need to decrease the country's dependence on coal-based power, renewable energy has been identified as a national priority, with wind

energy identified as one of the most readily available, technically viable and commercially cost-effective sources of renewable energy.

Taking into consideration the findings of this amendment process for the proposed development and the fact that recommended mitigation measures have been used to inform the project design, it is the opinion of the Environmental Assessment Practitioner (EAP) that the negative impacts associated with the implementation of the proposed project have been mitigated to acceptable levels. Figure 10.1 reflects the environmental sensitivity of the proposed development. While the residual impacts of the project will have an impact on the local environment, the extent of the benefits associated with the implementation of the projects will benefit a much larger group of people, in terms of renewable energy supply and positive local and regional economic impact. During the 30 day public review and comment period, no comments were received from I&APs. The DEA comments received have been addressed and included in this final amendment report submitted for environmental authorisation.

The study has concluded that there are no negative high residual impacts, including potential cumulative impacts associated with the proposed amendment application, and the amendment can be authorised.

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**APPENDIX A: EAP CV AND DECLARATION OF INDEPENDENCE**





## environmental affairs

Department:  
Environmental Affairs  
REPUBLIC OF SOUTH AFRICA

### DETAILS OF THE ENVIRONMENTAL ASSESSMENT PRACTITIONER, DECLARATION OF INTEREST AND UNDERTAKING UNDER OATH

	(For official use only)
File Reference Number:	
NEAS Reference Number:	DEA/EIA/
Date Received:	

Application for authorisation in terms of the National Environmental Management Act, Act No. 107 of 1998, as amended and the Environmental Impact Assessment (EIA) Regulations, 2014, as amended (the Regulations)

#### PROJECT TITLE

**The Proposed Amendment of the Authorised Phezukomoya Wind Energy Facility into Phezukomoya Split 1 and Hartebeesthoek West WEF, Northern and Eastern Cape Provinces**

#### Kindly note the following:

1. This form must always be used for applications that must be subjected to Basic Assessment or Scoping & Environmental Impact Reporting where this Department is the Competent Authority.
2. This form is current as of 01 September 2018. It is the responsibility of the Applicant / Environmental Assessment Practitioner (EAP) to ascertain whether subsequent versions of the form have been published or produced by the Competent Authority. The latest available Departmental templates are available at <https://www.environment.gov.za/documents/forms>.
3. A copy of this form containing original signatures must be appended to all Draft and Final Reports submitted to the department for consideration.
4. All documentation delivered to the physical address contained in this form must be delivered during the official Departmental Officer Hours which is visible on the Departmental gate.
5. All EIA related documents (includes application forms, reports or any EIA related submissions) that are faxed; emailed; delivered to Security or placed in the Departmental Tender Box will not be accepted, only hardcopy submissions are accepted.

#### Departmental Details

##### Postal address:

Department of Environmental Affairs  
Attention: Chief Director: Integrated Environmental Authorisations  
Private Bag X447  
Pretoria  
0001

##### Physical address:

Department of Environmental Affairs  
Attention: Chief Director: Integrated Environmental Authorisations  
Environment House  
473 Steve Biko Road  
Arcadia

Queries must be directed to the Directorate: Coordination, Strategic Planning and Support at:  
Email: [EIAAdmin@environment.gov.za](mailto:EIAAdmin@environment.gov.za)

## 1. ENVIRONMENTAL ASSESSMENT PRACTITIONER (EAP) INFORMATION

EAP Company Name:	Arcus Consultancy Services South Africa (Pty) Ltd		
B-BBEE	Contribution level (indicate 1 to 8 or non-compliant)	4	Percentage Procurement recognition
EAP name:	Ashlin Bodasing		
EAP Qualifications:	Bachelor of Social Science (Geography and Environmental Management)		
Professional affiliation/registration:	None		
Physical address:	Office 607, Cube Workspace, Icon Building, cnr Long Street and Hans Strijdom Avenue, Cape Town		
Postal address:	Same as above		
Postal code:	8001	Cell:	0763408914
Telephone:	0214121529	Fax:	
E-mail:	ashlinb@arcusconsulting.co.za		

The appointed EAP must meet the requirements of Regulation 13 of GN R982 of 04 December 2014, as amended.

## 2. DECLARATION BY THE EAP

I, Ashlin Bodasing, declare that –

<ul style="list-style-type: none"> <li>• I act as the independent environmental assessment practitioner in this application;</li> <li>• I have expertise in conducting environmental impact assessments, including knowledge of the Act, Regulations and any guidelines that have relevance to the proposed activity;</li> <li>• I will comply with the Act, Regulations and all other applicable legislation;</li> <li>• I will perform the work relating to the application in an objective manner, even if this results in views and findings that are not favourable to the applicant;</li> <li>• I will take into account, to the extent possible, the matters listed in Regulation 13 of the Regulations when preparing the application and any report relating to the application;</li> <li>• I undertake 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 application by the Competent Authority; and - the objectivity of any report, plan or document to be prepared by myself for submission to the Competent Authority, unless access to that information is protected by law, in which case it will be indicated that such information exists and will be provided to the Competent Authority;</li> <li>• I will perform all obligations as expected from an environmental assessment practitioner in terms of the Regulations; and</li> <li>• I am aware of what constitutes an offence in terms of Regulation 48 and that a person convicted of an offence in terms of Regulation 48(1) is liable to the penalties as contemplated in Section 49B of the Act.</li> </ul>	<ul style="list-style-type: none"> <li>(i) the correctness of the information provided in the reports;</li> <li>(ii) the inclusion of comments and inputs from stakeholders and I&amp;APs;</li> <li>(iii) the inclusion of inputs and recommendations from the specialist reports where relevant; and</li> <li>(iv) any information provided by the EAP to interested and affected parties and any responses by the EAP to comments or inputs made by interested and affected parties.</li> </ul>
---	---

**Disclosure of Vested Interest (delete whichever is not applicable)**

- I do not have and will not have any vested interest (either business, financial, personal or other) in the proposed activity proceeding other than remuneration for work performed in terms of the Regulations;
- I have a vested interest in the proposed activity proceeding, such vested interest being:

---

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---

---

Signature of the Environmental Assessment Practitioner

---

Name of Company:

---

Date

**3. UNDERTAKING UNDER OATH/ AFFIRMATION**

I, \_\_\_\_\_, swear under oath / affirm that all the information submitted or to be submitted for the purposes of this application is true and correct.

---

Signature of the Environmental Assessment Practitioner

---

Name of Company

---

Date

---

Signature of the Commissioner of Oaths

---

Date

**Disclosure of Vested Interest (delete whichever is not applicable)**

- I do not have and will not have any vested interest (either business, financial, personal or other) in the proposed activity proceeding other than remuneration for work performed in terms of the Regulations;
- I have a vested interest in the proposed activity proceeding, such vested interest being:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

*Bodasing*

Signature of the Environmental Assessment Practitioner

Arcus Consultancy Services South Africa (Pty) Ltd

Name of Company:

11 / 10 / 2019

Date

**3. UNDERTAKING UNDER OATH/ AFFIRMATION**

I, Ashlin Bodasing, swear under oath / affirm that all the information submitted or to be submitted for the purposes of this application is true and correct.

*Bodasing*

Signature of the Environmental Assessment Practitioner

Arcus Consultancy Services South Africa (Pty) Ltd

Name of Company

11 / 10 / 2019

Date

*David Erasmus Marais*

Signature of the Commissioner of Oaths

11 / 10 / 2019

Date

**David Erasmus Marais**  
Commissioner of Oaths  
Practising Attorney SA  
ENSAfrica  
1 North Wharf Square  
Loop Street Cape Town 8001



# CURRICULUM VITAE

*Ashlin Bodasing*

*Technical Director and Environmental Assessment Practitioner*

*Email: ashlinb@arcusconsulting.co.za Tel: +27 (0) 21 412 1529*



## Specialisms

- Environmental Impact Assessments
- Environmental Management Plans
- Environmental Feasibility Studies
- Environmental Due Diligence and Compliance
- Client Relationship Management

## Summary of Experience

Ashlin Bodasing is a Technical Director at Arcus Consultancy Services South Africa (Pty) Ltd. She manages the Arcus South African office and the team based in Cape Town. Having obtained her Bachelor of Social Science Degree (Geography and Environmental Management) from the University of Kwa-Zulu Natal; she has over fourteen years' experience in the environmental consulting industry in southern Africa. She has gained extensive experience in the field of Integrated Environmental Management, environmental impact assessments and public participation. She has also been actively involved in a number of industrial and infrastructural projects, including electricity power lines and substations; road and water infrastructure upgrades and the installation of telecommunication equipment, green and brown field coal mines, as well as renewable energy facilities, both wind and solar. Ashlin has excellent Project Management experience and has gained major project experience in the development of Environmental Impact Assessments, Environmental Management Plans and the monitoring of construction activities. Her areas of expertise include project management, environmental scoping and impact assessments, environmental management plans, environmental compliance monitoring and environmental feasibility studies. Experience also includes International Finance Corporation Performance Standards and World Bank Environmental Guidelines environmental due diligence reviews. She has worked in Mozambique, Namibia, Botswana, Lesotho and Zimbabwe.

## Professional History

- 2017 – Present** – Technical Director, Arcus Consultancy Services South Africa
- 2015 - 2017** – Team Leader, Arcus Consultancy Services Ltd
- 2012 – 2015** – Lead Environmental Officer, Tweefontein Optimisation Project, Glencore / Xstrata Coal Mine, Witbank, Mpumalanga, South Africa (secondment)
- 2007-2015** - Senior Environmental Assessment Practitioner, Parsons Brinckerhoff Africa
- 2005-2007** – Environmental Consultant, WSP Environment and Energy

Ashlin spent over 2 years at the Glencore (previously Xstrata Coal SA) – Tweefontein Optimisation Project, as the sole environmental officer permanently on site overseeing all their construction projects, ensuring contractor compliance to EMP and Environmental Authorisations. This included the construction of the internal and external infrastructure packages. Roles include ensuring all construction and development are in line with the EIA and EMP for the project. Areas of responsibility include the Mine Infrastructure Area, the Explosives Magazine Area, construction of a secondary school, construction of residential houses, and the rail load out facility. Role also included review of environmental impact assessment applications and reports submitted to the department of environmental affairs for the project.

## Qualifications and Professional Interests

- **University of Kwa-Zulu Natal, 2004**  
Bachelor of Social Science (Geography and Environmental Management)

## Project Experience

- **Environmental Impact Assessments**  
• **Highlands North, South and Central Wind Energy Facilities, 2018-present.**  
Project Director (client liaison) and Lead EAP.

# CURRICULUM VITAE

- **Paulputs Wind Energy Facility, 2018-present.** Project Director (client liaison) and Lead EAP.
- **San Kraal Wind Energy Facility, 2016- 2018.** Project Director (client liaison) and Lead EAP.
- **Phezukomoya Wind Energy Facility, 2016 – 2018.** Project Director (client liaison) and Lead EAP.
- **Kolkies and Karee Wind Energy Facilities, 2016-2016.** Project Director (Client liaison) and Lead EAP.
- **Komsberg East and West Wind Energy Facilities 2015-2016.** Project Director (Client Liaison) and EAP.
- **Umsinde Emoyeni Wind Energy Facilities, 2015-2018.** Project Director (Client Liaison) and EAP.

## Ecological Impact Assessments and Monitoring

- **Confidential Wind Farm, 2017-2018, Northern Cape Province.** Project Director (Client Liaison), coordination and management of ecologists (bird and bat), review of technical and specialists impact assessments.
- **Paulputs Wind Energy Facility 2017-present, Northern Cape Province.** Project Director (Client Liaison), coordination and management of ecologists (bird and bat), review of technical and specialists impact assessments.
- **Highlands Wind Energy Facilities 2017 – 2018, Northern Cape Province.** Project Director (Client Liaison), coordination and management of ecologists (bird and bat), review of technical and specialists impact assessments.
- **Komsberg Wind Farms, 2015-2016.** Project Director (Client Liaison), coordination and management of ecologists (bird and bat), review of technical and specialists impact assessments.
- **Kolkies and Karee Wind Energy Facilities 2015-2016.** Project Director (Client Liaison), coordination and management of bird and bat specialists and review of technical and impact assessment reports.
- **Umsinde Wind Energy Facilities, Additional Bird Monitoring.** Project Director. Coordination and management of bird specialists and review of technical reports.
- **Kap Vley Wind Energy Facility, Bird and Bat Pre-Construction Monitoring.** Project Director. Coordination and management of bird and bat specialists, review of technical reports.
- **Highlands Wind Energy Facility, Bird and Bat Pre-Construction Monitoring.** Project Director. Coordination and management of bird and bat specialists, review of technical reports.
- **Hopefield Wind Farm –Operational Monitoring.** Project Manager. Coordination and management of bird and bat specialists, review of technical reports.
- **Gouda Wind Farm – Operation Monitoring.** Project Director. Coordination and management of bird and bat specialists, review of technical reports.

## Feasibility Studies and Due Diligence Reviews

- **Ecological due diligence for IFC PS6 – Wind Energy Developments:** Project Manager. Review and reporting on bird and bat specialist reports to IFC/World Bank Standards – Various sites across South Africa.
- **Power Plant – Ghana.** Project Manager Compilation of environmental due diligence for refinancing, IFC and World Bank Standards, on behalf of Botswana Development Corporation.
- **Ecological Feasibility Study.** Project Director. Review of the feasibility of a site for a wind energy facility in relation to bats.
- **Environmental Feasibility Study.** Project Director and EAP. Review of a proposed site for the development of industrial facility.

## Previous Project Experience

# CURRICULUM VITAE

## **Environmental Scoping and Impact Assessments and Project Management for:**

- eThekweni Municipality
- Moreland Developments
- RBCH – Bulk Materials and Handling Facility
- SAPREF
- Mittal Steel Permit Amendment
- Transnet Projects
- ArcelorMittal South Africa
- MCA-Lesotho
- Talbot Group Holdings (Australian Mining Company)
- Ncondezi Energy – Mozambique

## **Environmental Management Plans and Compliance Monitoring**

- Nongoma Road Monitoring – Compliance Monitoring
- eThekweni Municipality - Taxi Holding Areas: Canberra Road and Umgeni Road Compilation of the EMP; and Bi-monthly compliance monitoring (site visits) and reporting.
- EMP for Kwezi V3 - Kwamashu Fuel Tank Exemption
- eThekweni Municipality - Ridgeview Road – Compliance Monitoring
- eThekweni Municipality and Merz and McLellen - Phoenix Overhead Transmission Lines – Compliance Monitoring
- eThekweni Municipality and Merz and McLellen - E8546 E8699 Compliance Monitoring
- eThekweni Municipality and Merz and McLellen - Environmental Assessment and EMP
- EMP for eThekweni Municipality - Parlock Switching Station

## **Training and Auditing**

- Petronet Alien Plant Training - Compilation of the training material for alien plant identification and removal methods.
- eThekweni Municipality - Taxi Holding Areas – Canberra and Umgeni Road - Contactor and workforce training.
- eThekweni Municipality - Kingsway Road Taxi Rank - Contactor and workforce training.

## **Environmental Reviews / Terms of Reference**

- Biotherm Energy - Environmental Project Manager: Independent review of environmental impact assessment reports and management plans compiled for 3 wind farms in the Western Cape and 2 PV Solar Plants in the Northern Cape, to ensure compliance to IFC and World Bank Standards.
- Government of Zimbabwe – Hwange Power Station - Environmental Project Manager: Compilation of the Terms of Reference for Environmental Management Plan and Environmental and Social Audit of the Hwange Power Plant in Zimbabwe.

## **Pre-Feasibility Studies**

- Pre-feasibility studies for eThekweni Municipality, Investec, Sekoko Coal Resources, Mulilo, Sekoko Mining and MCA-Lesotho for renewable energy, coal mines and power plants.

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**APPENDIX B: ENVIRONMENTAL MANAGEMENT PROGRAMME**





**ARCUS**

**ENVIRONMENTAL MANAGEMENT PROGRAMME FOR THE  
HARTEBEESTHOEK WEST WIND ENERGY FACILITY,  
NORTHERN AND EASTERN PROVINCES**

On behalf of

**HARTEBEESTHOEK WIND POWER (PTY) LTD**

December 2019



Prepared By:

**Arcus Consultancy Services South Africa (Pty) Limited**

Office 607 Cube Workspace  
Icon Building  
Cnr Long Street and Hans Strijdom Avenue  
Cape Town  
8001

**T** +27 (0) 21 412 1529 | **E** [projects@arcusconsulting.co.za](mailto:projects@arcusconsulting.co.za)  
**W** [www.arcusconsulting.co.za](http://www.arcusconsulting.co.za)

Registered in South Africa No. 2015/416206/07

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## FIGURE LIST

- Figure 1: Site Location**  
**Figure 2: Environmental Sensitivity Map**

## 1 INTRODUCTION

EDF Renewables (Pty) Ltd (previously InnoWind) ('EDF'), through the Specialist Purpose Vehicle (SPV) Phezukomoya Wind Power (Pty) Ltd received environmental authorisation for the development of a 275 MW Wind Energy Facility (WEF), located near the town of Noupoort in the Northern Cape Province, parts of the proposed facility traverse the Eastern Cape Province.

Subsequent to the issue of environmental authorisation, the Applicant has decided to split the 275 MW facility into two, namely Phezukomoya Split 1 WEF and Hartebeesthoek West (Figure 1) WEF.

**This EMPr update is relevant to the Hartebeesthoek West WEF - the Applicant is Hartebeesthoek Wind Power (Pty) Ltd.**

As part of the environmental authorisation, the Environmental Management Programme (EMPr) was not approved by the Department of Environmental Affairs (DEA). This EMPr for the Hartebeesthoek West WEF ('proposed development') is an update to the previous EMPr submitted including any new mitigation measures that were incorporated in the specialist's assessments.

The Environmental Management Programme (EMPr) outlines measures to be implemented in order to minimise adverse environmental degradation, particularly associated with the construction of the proposed development. It serves as a guide for the contractor and the construction workforce on their roles and responsibilities concerning environmental management on-site, and it provides a framework for environmental monitoring throughout the life cycle of the development, i.e. from Design phase until after Decommissioning phase.

This document must be seen as dynamic, and updated when and if required, throughout the lifecycle of the project.

### 1.1 Details of the Applicant and the Environmental Assessment Practitioner

Details of Applicant	
<b>Project Applicant</b>	Hartebeesthoek Wind Power (Pty) Ltd
<b>Company Registration</b>	2019/070085/07
<b>Contact Person</b>	Sheldon Vandrey
<b>Postal Address</b>	PO Box 71664, 6000
<b>Telephone</b>	0415064900
<b>Email</b>	sheldon.vandrey@edf-re.co.za
Environmental Assessment Practitioner	
<b>EAP</b>	Arcus Consultancy South Africa Services (Pty) Ltd
<b>Contact Person</b>	Ashlin Bodasing
<b>Qualifications</b>	Bachelor of Social Science (Geography and Environmental Management)
<b>Postal Address</b>	Office 607 Cube Workspace, Cnr Long Street and Hans Strijdom Avenue, Cape Town, 8001
<b>Telephone</b>	021 412 1529
<b>Email</b>	ashlinb@arcusconsulting.co.za

## 1.2 Purpose and Aims of this Document

An Environmental Management Programme (EMPr) for the proposed development is required in terms of the following document:

- 2014 Regulations in terms of Chapter 5 of the National Environmental Management Act (1998, as amended).

As per the Provincial Government of the Western Cape, Department of Environmental Affairs & Development Planning (DEA&DP) Guideline for Environmental Management Plans (Lochner 2005), the over-arching objectives of an EMPr is (1) to ensure compliance with regulatory authority stipulations and guidelines, (2) to ensure sufficient allocation of resources on the project budget, (3) to verify environmental performance through information on impacts as they occur, (4) to respond to changes in project implementation not considered in the EIA, (5) to respond to unforeseen events and (6) to provide feedback for continual improvement in environmental performance.

The aim of this Environmental Management Programme is to achieve the above objectives by:

- Defining the environmental management objectives to be realised during the life of the project, in order to enhance benefits and minimise adverse environmental impacts;
- Describing detailed actions needed to achieve these objectives, and mechanisms that address changes in the project implementation, emergencies and unexpected events;
- Clarifying institutional structures, roles, communication and reporting processes;
- Describing the link between the EMPr and associated legislated requirements; and
- Describing requirements for record keeping, reporting, review and auditing.

## 1.3 The Hartebeesthoek West WEF Development

The proposed Hartebeesthoek ('HBH') West WEF will comprise 12 wind turbines with a generation capacity of 6.2 MW each for a total WEF output of 74.4 MW. The wind farm will connect to the SK-PH collector substation via medium voltage lines, which will, in turn, connect to the Umsobomvu Substation via an approved 132 kV transmission line. The new on-site substation, collector substation and other associated infrastructure are subject to a separate Basic Assessment process.

## 1.4 Components of a WEF Development

The proposed project will comprise the following components as described below. It should be noted that the final design of the proposed project is not yet finalised, all dimensions are maximums as is required by the EIA process. The final design may include infrastructure which is of equal or less than dimensions to those stated below but not more than.

### 1.4.1 Turbines

The turbines will be placed on steel and concrete foundations which will each occupy an area of up to 25 m by 25 m in total (which includes the maximum total area that may need to be disturbed during construction of the foundation) and be typically up to 5 m deep and may include concrete and steel plinths depending on local ground conditions.

Once construction is complete, much of the foundation area can be rehabilitated.

### 1.4.2 Hard Stand Areas

Each turbine requires an area of hard-standing to be built adjacent to the turbine foundation. This provides a flat, stable base on which to lay down the turbine components ready for assembly and erection and to site the two cranes necessary to lift the tower sections, nacelle and rotor into place.



A hardstanding area of up to 7500 m<sup>2</sup> will be established adjacent to each turbine location. This will be used to provide a platform for cranes to operate during construction (and unscheduled maintenance), as well as a clear area to layout turbine components prior to erection.

The crane hard-standing will be left in place following construction in order to allow for use of similar plant should major components need replacing during the operational phase of the proposed development.

#### **1.4.3 Laydown Areas**

Temporary infrastructure would include a site camp, laydown areas and a batching plant. Additional temporary laydown areas will be required for equipment and component storage during construction across the site. These areas will be levelled and compacted and used for component storage.

#### **1.4.4 Electrical Cabling and On-site Substation**

The electricity from the turbines will be transferred via a 33 kV electrical network to an 80 MVA on-site switching station. Where possible this will be underground but the feasibility of this will be confirmed as the design progresses and geotechnical studies are conducted. The on-site switching station will house electrical infrastructure such as transformers and switchgear to enable the energy to be transferred into the existing national grid. The operations and maintenance building, including parking, will be approximately 7500 m<sup>2</sup>.

Underground cabling will link the turbines to each other and to the on-site transformer / control building. Detailed construction and trenching specifications will depend on the ground conditions encountered. Typically cables would be laid in a trench approximately 1 m deep and 0.5 m wide. To minimise ground disturbance, cables will be routed along the side of the access tracks where practicable.

#### **1.4.5 Access**

The turbine locations will be accessed through a network of unsealed roads which will be established across the WEF Site. These access roads will be between 8 m and 14 m wide.

A width of 14 m is required for curves in order to allow trucks to turn. Such roads are required to facilitate access for the cranes and abnormal load deliveries of turbine components.

Existing farm access roads will be upgraded and utilised where possible, as will existing watercourse crossings. Some of the aggregate required for the construction of the on-site tracks may be sourced from cut and fill operations during construction from within the proposed development site with additional material imported from permitted quarries as required.

If borrow pits are required, a separate application must be lodged with the Department of Mineral Resources in regard to this activity.

#### **1.4.6 Compound**

There will also be an off-site office compound, including site offices, parking and an operation and maintenance facility including a control room.

#### **1.4.7 Ancillary Equipment**

In addition to the key components outlined above, the WEF will also require:

- Meteorological masts;
- Security fencing; and
- CCTV monitoring equipment.

## 2 LEGAL FRAMEWORK

An application for Environmental Authorisation, in terms of the National Environmental Management Act, Act 107, 1998 (NEMA), Environmental Impact Assessment Regulations, 2014, was submitted to the Department of Environmental Affairs. The development was authorised by the DEA in 2018. The following listed activities have been approved.

**Table 2.1: The NEMA EIA Regulations 2014 as Amended Listed Activities Authorised for the Proposed Development**

Listing Notices 1 - 3 07 April	<i>Listed Activity</i>	Project Description
Listing Notice 1 GN R 327 Activity 11	<i>The development of facilities or infrastructure for the transmission and distribution of electricity— (i) outside urban areas or industrial complexes with a capacity of more than 33 but less than 275 kilovolts.</i>	The WEF will require transmission lines in order to connect to the grid. Electrical reticulation will be installed to transfer electricity from the turbines to an on-site substation. Cables will be installed underground where feasible.
Listing Notice 1 GN R 327 Activity 14	<i>The development and related operation of facilities or infrastructure, for the storage, or for the storage and handling, of a dangerous good, where such storage occurs in containers with a combined capacity of 80 cubic metres or more but not exceeding 500 cubic metres.</i>	Construction of the proposed development will require dangerous goods in the form of hydrocarbon fuels (e.g. diesel), paints and solvents, oils and greases. Sewage and waste streams will be generated by the WEF. During construction of the WEF in particular the combined capacity of dangerous goods on-site may exceed 80 cubic metres. The proposed on-site substation is likely to require the use of transformer oils/other hazardous substances during the operational phase.
Listing Notice 1 GN R 327 Activity 19	<i>The infilling or depositing of any material of more than 10 cubic metres into, or the dredging, excavation, removal or moving of soil, sand, shells, shell grit, pebbles or rock of more than 10 cubic metres from a watercourse;</i>	The construction of the WEF will include the excavation of soil in watercourses/drainage line areas, and infilling/deposition may exceed 5 cubic metres and in some instances may exceed 10 cubic metres.  The construction of associated infrastructure, such as access tracks crossing watercourses may require excavation and/or infilling of watercourse areas.
Listing Notice 1 GN R 327 Activity 24	<i>The development of a road— (ii) with a reserve wider than 13,5 meters, or where no reserve exists where the road is wider than 8 metres;</i>	Access roads will be required between turbines. These roads will be unsealed and will likely be between 8 - 14 m in width. The roads will be up to 14 m wide during construction but will be reduced during operation.

<p><b>Listing Notice 1</b> <b>GN R 327</b> <b>Activity 56</b></p>	<p><i>The widening of a road by more than 6 metres, or the lengthening of a road by more than 1 kilometre-</i> <i>(ii) where no reserve exists, where the existing road is wider than 8 metres; excluding where widening or lengthening occur inside urban areas.</i></p>	<p>Existing farm access roads may need to be widened or lengthened. These roads would currently have no road reserve and will be wider than 8 meters in some areas.</p>
<p><b>Listing Notice 2</b> <b>GN R 325</b> <b>Activity 1</b></p>	<p><i>The development of facilities or infrastructure for the generation of electricity from a renewable resource where the electricity output is 20 megawatts or more</i></p>	<p>The WEF will consist of a number of wind turbines for electricity generation of more than 20 megawatts.</p>
<p><b>Listing Notice 2</b> <b>GN R 325</b> <b>Activity 15</b></p>	<p><i>The clearance of an area of 20 hectares or more of indigenous vegetation, excluding where such clearance of indigenous vegetation is required for-</i> <i>(i) the undertaking of a linear activity; maintenance purposes undertaken in accordance with a maintenance management plan.</i></p>	<p>The construction of the WEF will require the clearance of more than 20 hectares of indigenous vegetation in total across the site.</p>
<p><b>Listing Notice 3</b> <b>GN R 324</b> <b>Activity 4</b></p>	<p><i>The development of a road wider than 4 metres with a reserve less than 13,5 metres.</i> <i>g. Northern Cape Outside urban areas;</i> <i>(bb) National Protected Area Expansion Strategy Focus areas;</i> <i>(ee) Critical biodiversity areas as identified in systematic biodiversity plans adopted by the competent authority or in bioregional plans;</i></p>	<p>Internal and external access roads will be constructed, which are wider than 4 m. The site falls outside of an urban area and parts of the site fall within a National Protected Area Expansion Strategy Focus area and CBA in the Northern Cape.</p>
<p><b>Listing Notice 3</b> <b>GN R324</b> <b>Activity 12</b></p>	<p><i>The clearance of an area of 300 square metres or more of indigenous vegetation except where such clearance of indigenous vegetation is required for maintenance purposes undertaken in accordance with a maintenance management plan.</i> <i>g. Northern Cape</i> <i>iii. Within critical biodiversity areas identified in bioregional plans</i></p>	<p>The proposed development will require the clearance of natural vegetation in excess of 300 square metres in areas of natural vegetation. The area includes Critical Biodiversity Areas in the Northern Cape.</p>
<p><b>Listing Notice 3</b> <b>GN R324</b> <b>Activity 18</b></p>	<p><i>The widening of a road by more than 4 metres, or the lengthening of a road by more than 1 kilometre.</i> <i>ii. Outside urban areas</i> <i>(bb) National Protected Area Expansion Strategy Focus areas;</i> <i>(ee) Critical biodiversity areas identified in systematic bioregional plans adopted by the competent authority or in bioregional plans</i></p>	<p>Existing farm roads may need to be widened or lengthened. The site lies outside urban areas and contains NPAES and CBAs in the Northern Cape.</p>

### 3 ENVIRONMENTAL IMPACT ASSESSMENT

The environmental impact assessment for the 275 MW WEF was completed in 2018. Subsequent to the issue of environmental authorisation, the applicant has decided to split

the 275 MW facility into two, namely Phezukomoya Split 1 WEF and Hartebeesthoek West WEF.

The proposed HBH West WEF will comprise 12 wind turbines with a generation capacity of 6.2 MW each for a total WEF output of 74.4 MW. The wind farm will connect to the SK-PH collector substation via medium voltage lines, which will, in turn, connect to the Umsobomvu Substation via an approved 132 kV transmission line.

Due to the amendment to the layout of the facility, the specialist studies were updated, and the potential impacts reassessed. Potential environmental impacts were evaluated according to their extent, duration, intensity and magnitude. Negative impacts of the proposed project on the biophysical environment include clearing of vegetation that leads to habitat fragmentation, potential loss of species of concern, soil erosion, surface water pollution; while social-economic impacts being minimal loss of agricultural land, disruption of social relations within the proposed area by the introduction of contractor workers from different areas, spread of diseases, loss of potential heritage resources and impact on sense of place. An Environmental Sensitivity Map (Figure 2) is attached to this EMPr.

All impacts have been identified and assessed at different stages (design/planning, construction, operation and decommission) and possible mitigation or enhancement measures assigned to reduce the significance of negative impacts or enhance positive impacts.

Mitigation measures proposed by the specialists have been included in this EMPr. As this is a legally binding document, all mitigation measures included herein must be adhered to by the developer and operator as applicable.

## **4 ENVIRONMENTAL MANAGEMENT PROGRAMME**

This section forms the core of the EMPr and outlines the specific mitigation measures for those key impacts identified in the section above.

### **4.1 Environmental Awareness and Compliance**

The philosophy that has been used for the compilation of this management programme is derived from the principles of the National Environmental Management Act (No. 107 of 1998) which states that development must be socially, economically and environmentally sustainable. Sustainable development requires that:

- The disturbance of ecosystems and loss of biodiversity are avoided (minimised or remedied);
- Pollution and degradation of the environment are avoided or minimised and remedied;
- Waste is avoided or minimised and re-used or re-cycled where possible and otherwise disposed of in a responsible manner;
- A risk-averse and cautious approach is applied; and
- Negative impacts on the environment and on people's environmental rights be anticipated and prevented; and where they cannot altogether be prevented, are minimised and remedied.

The Act makes provision that anyone who causes pollution or degradation of the environment is responsible for preventing impacts occurring, continuing or recurring and for the costs of repair of the environment.

### **4.2 Roles and Responsibilities**

The developer, together with each appointed contractor, will be responsible for environmental management on-site during the construction and operational phases of the proposed development. Specific roles and responsibilities are highlighted in the table below.

#### **4.2.1 Developer Representative – Environmental Manager**

- Review and approve EMPr prior to authorisation by DEA.
- Review and approve any EMPr updates or amendments.
- Ensure environmental requirements are integrated into the project plans, method statements and tender processes.
- Support the site environmental control officer during the construction phase, to ensure implementation of the EMPr.
- Follow up and close out all environmental incidents and non-conformances.
- Appointment a suitably qualified independent environmental control officer during the construction phase.

#### **4.2.2 Principle Contractor Representative – Environmental Control Officer**

An independent environmental consultant will arrange for inspections of the construction activities and EMPr implementation throughout the construction phase. After each inspection, the ECO will produce a monitoring report that will be submitted to the client, Department of Environmental Affairs (DEA) and any other person(s) if required. Relevant sections of the minutes of customary (monthly) site meetings will be attached to the monitoring report.

The Environmental Control Officer (ECO) will be responsible for overseeing the implementation of the EMPr during the construction and operations phases, and for monitoring, reviewing and verifying compliance of the contractor with the EMPr, record-keeping and updating of the EMPr as and when necessary.

The ECO will:

- Be fully knowledgeable with the contents of the EMPr;
- Be fully knowledgeable with the contents of all relevant environmental legislation and ensure compliance with them;
- Ensure that the contents of the EMPr are communicated to the contractor, all site staff, and the contractor and /or site manager are made aware of the contents of the EMPr, through presentations and discussions;
- Ensure that compliance to the EMPr is monitored by regular and comprehensive inspection of the site and surrounding areas; and
- Report on any incidents of non-compliance and ensure mitigation measure are implemented as soon as practical.

During *construction*, the Environmental Control Officer will be responsible for the following:

- Meeting on-site with the Construction Manager prior to the commencement of construction activities to confirm the construction procedure and designated activity zones;
- Daily / weekly (depending on the extent of construction activities, at any given time) monitoring of site activities during construction to ensure adherence to the specifications contained in the EMPr, using a monitoring checklist that is to be prepared by an independent environmental assessment practitioner at the start of the construction phase;
- Preparation of the monitoring report based on the site visit;
- Conducting an environmental inspection on completion of the construction period and signing off the construction process with the Construction Manager; and
- Maintain an Incidents Register and Complaints Register on site.

During *operation*, the Environmental Control Officer will be responsible for:

- Overseeing the implementation of the EMPr for the operation phase;
- Ensure that the necessary environmental monitoring takes place as specified in the EMPr;

- Update the EMPr and ensure that records are kept of all monitoring activities and results; and
- Maintain an Incidents Register and Complaints Register on site.

During *decommissioning*, the Environmental Control Officer will be responsible for:

- Overseeing the implementation of the EMPr for the decommissioning phase; and
- Conducting an environmental inspection on completion of decommissioning and "signing off" the site rehabilitation process.

#### 4.3 Training and Induction of Employees

The contractor has a responsibility to ensure that all personnel involved in the project are aware of and are familiar with the environmental requirements for the project. The EMPr shall be part of the terms of reference (ToR) for all contractors, sub-contractors and suppliers. All Contractors have to give some assurance that they understand the EMPr and that they will undertake to comply with the conditions therein. All senior and supervisory staff members shall familiarise themselves with the full contents of the EMPr. They shall know and understand the specifications of the EMPr and be able to assist other staff members in matters relating to the EMPr.

The Contractor must ensure that all staff working on site have an environmental induction. The presentation can include the following topics;

- What is meant by "Environment"?
- Why the environment needs to be protected and conserved.
- How construction activities can impact on the environment.
- What can be done to militate against such impacts?
- Awareness of emergency and spills response provisions.
- Social responsibility during construction, e.g. being considerate to local residents.

A detailed environmental management and training program must be developed. The purpose of this is to ensure that all staff and workers understand what is required of them. The main components of the program can incorporate the following:

- Concept of sustainability and the reasons for good environmental management and practice
- Potential environmental impacts
- Mitigation measures
- Establishing a chain of responsibility and decision making
- Specific training requirements of certain staff, and the potential hazardous associated with the job
- Methodologies to be used for field sampling
- Training in the use of field equipment
- Training in identification of non-compliance situations and procedures to be followed in such instances
- Reporting requirements
- Fire management
- HIV/AIDS

#### 4.4 Complaints Register and Environmental Incidents Book

The Contractor must record any complaints received from the community. The complaint must be brought to the attention of the site manager and Environmental Control Officer, who will respond accordingly.

The following information will be recorded:

- Time, date and nature of the complaint;
- Response and investigation undertaken; and

- Actions taken and by whom.

All complaints received will be investigated, and a response (even if pending further investigation) will be given to the complainant within 7 days.

All environmental incidents occurring on the site will be recorded. The following information will be provided:

- Time, date, location and nature of the incident; and
- Actions taken and by whom.

#### **4.5 Construction Environmental Monitoring**

Environmental audits must be undertaken by an independent environmental consultant who will act as the Environmental Control Officer twice monthly, and on a daily basis or what is deemed necessary by the ECO during times of heavy earthworks and vegetation clearing, in order to ensure compliance of all aspects of the EMPr.

In order to facilitate communication between the ECO and the Resident Engineer and Contractor, it is vital that a suitable chain of command is structured that will ensure that the ECO's recommendations have the full backing of the project team before being conveyed to the Contractor. In this way, penalties as a result of non-compliances with the EMPr may be justified as failure to comply with an instruction from the highest authority.

#### **4.6 Dealing with Non-Compliance with the EMPr**

There may be difficulties encountered with carrying out the mitigation measures within the EMPr, this may result in non-compliance with the EMPr. It may be possible that the contractor and or the developer put in place procedures to motivate staff members to comply with the EMPr and to deal with non-compliance. The developer must make this known to the contractor at the earliest stage possible, even during the tender phase.

### **5 DESIGN PHASE / PRE -CONSTRUCTION PHASE MITIGATION MEASURES**

The objectives of the pre-construction phase are:

- To promote environmental awareness;
- To define roles and responsibilities for environmental management;
- To ensure suitable environmental training and induction to all contractors, subcontractors and labourers; and
- To ensure that all legal obligations and contractual conditions have been met prior to commencing of construction.

#### **5.1 Mitigation measures for Legal Compliance**

- Appoint an independent environmental control officer.
- Appoint an internal environmental co-ordinator or environmental officer, to oversee day to day environmental activities.
- Staff should be educated as to the need to refrain from indiscriminate waste disposal and/or pollution of local soil and water resources and receive the necessary safety training.
- Before construction begins, all areas to be developed must be clearly demarcated with fencing, by a qualified surveyor.
- The contractor must ensure compliance with conditions described in the environmental authorisation.
- No construction camps are allowed on site. No workers are allowed to stay overnight in the construction area.
- Confirm with ECO, suitable sites for the construction camps (equipment and batching, etc.) and storage areas for materials. All construction equipment must be stored within

this construction camp, and all associated oil changes etc. (no servicing) must take place within this camp.

- Unskilled labourers should be drawn from the local market where possible.
- Training of site staff.
- Environmental awareness training for construction staff, concerning the prevention of accidental spillage of hazardous chemicals and oil; pollution of water resources (both surface and groundwater), air pollution and litter control and identification of archaeological artefacts.
- Project Manager shall ensure that the training and capabilities of the Contractor's site staff are adequate to carry out the designated tasks.
- Staff operating equipment (such as excavators, loaders, etc.) shall be adequately trained and sensitised to any potential hazards associated with their tasks.
- No operator shall be permitted to operate critical items of mechanical equipment without having been trained by the Contractor and certified competent by the Project Manager.

## 5.2 EMPr Update

The developer must ensure that the following mitigation measures are applied to the proposed project prior to the construction phase.

Prior to the submission of the final layout plan to the DEA for approval, the following specialists must visit the site to assist with micro-siting the layout and do a walkthrough of all power lines:

- Flora and fauna specialists
- Aquatic specialist
- Avifaunal specialist
- Palaeontologist

Following the selection of turbine to be used for the project, the developer must update the layout plan, this together with the following management plans, to be developed, must be submitted to the DEA for approval:

- Traffic Management Plan - this plan will include the necessary arrangements to transport all equipment and infrastructure to site, including the necessary road transport permits.
- Heritage Management Plan - to ensure the in-situ conservation of heritage resources within the development area. The HMP must be submitted to SAHRA prior to construction for comment and approval;
- Construction Site Traffic Management Plan - this will be in the form of a site layout, showing the flow of traffic during the construction phase taking into consideration existing land users.
- Stormwater Management Plan - once the final layout plan has been produced, the appointed responsible engineers must produce a stormwater management plan for the site, during the construction and operational phases of the project.
- A health and safety plan must be drawn up to ensure worker safety.
- Develop a Project Layout and Access Plan to show the intended use of the area. The plan shall clearly indicate and/or describe the location and details of:
  - Servitudes.
  - Areas and routes to be cleared – including the size / width of the cleared areas.
  - The construction campsite and rest areas to be used during construction.
  - Waste disposal sites to be used during construction.
  - Sources of construction materials.
  - Power supply during construction.
  - Existing roads and tracks to be used as transportation routes, and routes to gain access to construction areas.



- New tracks deemed necessary to provide access to construction activities.
- Any informal residential structures found within the property.
- Affected land use, 1:50 year floodlines.
- Sensitive areas.

### 5.3 Method Statements

Prior to construction, the developer must ensure that the contractor supplies the following method statements:

- Vegetation clearing;
- Cement mixing;
- Hazardous waste management;
- Emergency preparedness and response;
- Hazardous spills clean up;
- Topsoil stockpiling management;
- Laydown area management; and
- Hazardous materials management.

### 5.4 Site Establishment

The object of site establishment is to ensure that an appropriate location is selected for the construction camp/site office and that the site office is managed in an environmentally responsible manner with minimal impact on the environment.

#### 5.4.1 Mitigation Measures

Before establishing the construction office areas, carefully plan the layout and develop a Construction Site Office Plan. The Construction Site Office Plan shall provide a description of the site and shall show, on a reasonably scaled map, the intended use of the site. Indicate and/or describe the location, size / quantity / capacity and design of:

- Access routes;
- Ablution facilities (including details on the handling of sewage and wastewater);
- On-site waste management facilities (waste containers, etc.);
- Design of bunds and other structures for containment of hazardous substances;
- Fencing;
- Water storage and supply;
- Power supply (for cooking, space heating, lighting, etc.);
- Fire extinguishers, first aid kit and any other relevant safety equipment;
- Other structures and buildings (offices, storerooms, workshops, etc.); and
- Other storage areas and stockpiles (i.e. topsoil, construction materials, equipment, etc.).

The following must also be undertaken:

- An area within the site must be demarcated for a construction site office, which will include storage area. This area must be fenced off.
- Site establishment shall take place in an orderly manner, and all required amenities shall be installed at the laydown area before the main workforce move onto site.
- The construction camp shall have the necessary ablution facilities with chemical toilets at commencement of construction.
- The Contractor shall inform all site staff to make use of supplied ablution facilities and under no circumstances shall indiscriminate sanitary activities be allowed other than in supplied facilities.
- The Contractor shall supply waste collection bins, and all solid waste collected shall be disposed of at a registered landfill.
- Potable water for use by on-site workers must be made available on a daily basis at the site office and the working areas on site.

- A certificate of disposal shall be obtained by the Contractor and kept on file. Where a registered waste site is not available close to the construction site, the Contractor shall provide a method statement with regard to waste management.
- The disposal of waste shall be in accordance with all relevant legislation. Under no circumstances may solid waste be burnt or buried on site.

#### **5.4.2 Siting, Establishment and Management of Materials**

- Choice of location for storage areas must take into account prevailing winds, distances to water bodies, general on-site topography and water erosion potential of the soil. Impervious surfaces must be provided where necessary.
- Storage areas must be designated, demarcated and fenced.
- Storage areas should be secure so as to minimize the risk of crime. They should also be safe from access by children/animals etc.
- Fire prevention facilities must be present at all storage facilities.
- Proper storage facilities for the storage of oils, paints, grease, fuels, chemicals and any hazardous materials to be used must be provided to prevent the migration of spillage into the ground and groundwater regime around the temporary storage area(s).
- These pollution prevention measures for storage should include a bund wall high enough to contain at least 110% of any stored volume, and this should be sited away from drainage lines in a site with the approval of the Engineer.
- Any water that collects in the bund must not be allowed to stand and must be removed immediately and the hydrocarbon digestion agent within must be replenished.
- All legal compliance requirements with respect to Fuel storage and dispensing must be met.
- All fuel storage tanks (temporary or permanent) and associated facilities must be designed and installed in accordance with the relevant oil industry standards, SANS codes and other relevant requirements.
- Areas for storage of fuels and other flammable materials must comply with standard fire safety regulations
- Flammable fuel and gas must be well separated from all welding workshops, assembly plants and loading bays where ignition of gas by an accidental spark may cause an explosion or fire.
- The tank must be erected at a safe distance from buildings, boundaries, welding sites and workshops and any other combustible or flammable materials.
- Symbolic safety signs depicting "No Smoking", "No Naked Flames" and "Danger" are to be prominently displayed in and around the fuel storage area.
- The capacity of the tank must be clearly displayed, and the product contained within the tank clearly identified.
- There must be adequate fire-fighting equipment at the fuel storage and dispensing area or areas.
- The storage tank must be removed on completion of the construction phase of the project.
- All such tanks to be designed and constructed in accordance with a recognised code (international standard).
- The rated capacity of tanks must provide sufficient capacity to permit expansion of the product contained therein by the rise in temperature during storage.
- Only empty and externally clean tanks may be stored on the bare ground. All empty and externally dirty tanks must be sealed and stored in an area where the ground has been protected.
- Any electrical or petrol-driven pump must be equipped and positioned so as not to cause any danger of ignition of the product.
- If fuel is dispensed from 200 litre drums, the proper dispensing equipment must be used.
- The drum must not be tipped in order to dispense fuel. The dispensing mechanism of the fuel storage tank must be stored in a waterproof container when not in use.

- All waste fuel and chemical impregnated rags must be stored in leak-proof containers and disposed of at an approved hazardous waste site.
- The amounts of fuel and chemicals stored on-site must be minimised.
- Storage sites must be provided with bunds to contain any spilled liquids and materials.
- These storage facilities (including any tanks) must be on an impermeable surface that is protected from the ingress of stormwater from surrounding areas in order to ensure that accidental spillage does not pollute local soil or water resources.
- Clear signage must be placed at all storage areas containing hazardous substances / materials.
- Material Safety Data Sheets (MSDSs) shall be readily available on-site for all chemicals and hazardous substances to be used on site. Where possible the available, MSDSs should additionally include information on ecological impacts and measures to minimise negative environmental impacts during accidental releases or escapes.
- Storage areas containing hazardous substances / materials must be clearly signed.
- Staff dealing with these materials / substances must be aware of their potential impacts and follow the appropriate safety measures.
- A suitable Waste Disposal Contractor must be employed to remove waste oil. These wastes should only be disposed of at licensed landfill sites designed to handle hazardous wastes.
- The contractor must ensure that its staff is made aware of the health risks associated with any hazardous substances used and has been provided with the appropriate protective clothing/equipment in case of spillages or accidents and have received the necessary training.
- All excess cement and concrete mixes are to be contained on the construction site prior to disposal off-site.
- Any spillage, which may occur, shall be investigated and immediate action must be taken.

## 6 CONSTRUCTION PHASE MITIGATION MEASURES

The developer is to ensure that the contractor complies with all mitigation measures during the construction period. The major sources of potential impacts include the turbine footprint construction, the construction of buildings and infrastructure, the construction of roads and bridges, and vehicle operation, and spillages.

The following is not allowed on site:

- No poaching of any animals or harvesting of any flora;
- No construction camp, for workforce accommodation is allowed on-site; contractors are to ensure suitable housing for staff outside of the proposed development footprint;
- No cooking or fires allowed on-site; and
- No alcohol or drugs are allowed on site.

### 6.1 Potential Construction Phase Impacts

The following impacts are likely to occur during the construction of the proposed WEF. Specific mitigation measures for each impact is presented in Table 6.1 below.

- The accidental, negligent, or deliberate spillage or inappropriate disposal of hazardous substances could result in air, soil and water pollution and may affect the health and well-being of people, plants and animals.
- Excessive noise could be made by construction activity, which would affect neighbouring communities.
- Potential damage to the soil structure, soil compaction and loss of soil fertility.
- Loss of the vegetation cover and increased erosion risks.
- Dust related problems.
- Safety hazards to the public, workers and animals in the area.

- Disturbance to local hydrology from construction activities.
- Pollution of surface water bodies.
- Dust can be a nuisance to the construction workforce and to the public and can negatively affect the growth and recovery rate of plants. Potential sources of fugitive dust include, but are not limited to:
  - Demolition of concrete foundations and existing buildings;
  - Grading/movement of soil;
  - Transportation and unloading of construction materials;
  - Vehicular movement over unsurfaced roads and tracks; and,
  - Wind erosion of stockpiles.
- Construction activities will result in the exposure of the soil to erosive factors, i.e. wind and water, and the compaction of the soil in other areas.
- Illegal poaching and collection of animals and plant material.
- Loss of established indigenous and exotic habitat.
- Unnecessary trampling of vegetation and harm to animals.
- Degradation of the scenic quality due to the major earthworks and any unsightly structures.
- Damage or loss of important cultural, historical or pre-historical sites and artefacts.
- Damage to existing roads and tracks, power lines, pipelines, etc.
- Dangerous conditions near road.
- Trespassing and illegal access onto land.

**Table 6.1 Construction Phase Mitigation Measures**

Potential Impact and Proposed Mitigation Measures	Responsibility	Frequency
<b>Geology, Soils and Agricultural Potential</b>		
<p><b>Loss of agricultural land</b> Avoid areas under cultivation (if any)</p>	<p>Site engineer/site manager Developer to implement ECO and Safety Officer</p>	<p>Throughout construction Monthly checks</p>
<p><b>Increased soil erosion hazard</b> Minimize vegetation removal to the smallest possible footprint. Control possible runoff by using soil conservation and soil retention measures, especially on steep slopes. Store any removed topsoil for later use (contains indigenous seeds etc.) and re-vegetate as soon as possible. Once specific infrastructure sites are known, site-specific measures can be devised for implementation, and any potentially high-risk sites can be identified.</p>	<p>Site engineer/site manager Developer to implement ECO and Safety Officer</p>	<p>Throughout construction Monthly checks</p>
<b>Freshwater and Wetlands</b>		
<p><b>Loss of riparian systems and watercourses during the construction phase of the WEF</b> Where watercourse crossings are required, the engineering team must provide effective means to minimise the potential upstream and downstream effects of sedimentation and erosion (erosion protection) as well minimise the loss of riparian vegetation (small footprint). If several the transmission line towers for the grid need to be located within some of the watercourses, then this must be carried out in collaboration with an aquatic specialist during the micro siting process. No vehicles to refuel or be maintained within drainage lines/riparian vegetation. Where possible culvert bases must be placed as close as possible with natural levels in mind so that these don't form additional steps/barriers. Increase in sedimentation and erosion within the development footprint during the construction phase and to a lesser degree, the operational phase.</p>	<p>Site engineer/site manager Developer to implement ECO and Safety Officer</p>	<p>Throughout construction Monthly checks</p>

Potential Impact and Proposed Mitigation Measures	Responsibility	Frequency
<p>Any stormwater within the site must be handled in a suitable manner, i.e. trap sediments and reduce flow velocities.</p>		
<p><b>Impact on localized surface water quality mainly during the construction phase</b></p> <p>Strict use and management of all hazardous materials used on site.</p> <p>Strict management of potential sources of pollution (e.g. litter, hydrocarbons from vehicles &amp; machinery, cement during construction, etc.).</p> <p>Containment of all contaminated water by means of careful run-off management on the development site.</p> <p>Strict control over the behaviour of construction workers.</p> <p>Working protocols incorporating pollution control measures (including approved method statements by the contractor) should be clearly set out in the Environmental Management Plan (EMP) for the project and strictly enforced.</p> <p>Appropriate ablution facilities should be provided for construction workers during the construction of the facility.</p>	<p>Site engineer/site manager Developer to implement ECO and Safety Officer</p>	<p>Throughout construction. Monthly checks</p>
<b>Flora and Terrestrial Fauna</b>		
<p><b>Impact on vegetation and listed plant species due to transformation within the development footprint</b></p> <p>Placement of turbines within the High Sensitivity areas and drainage lines must be avoided.</p> <p>Preconstruction walk-through of the approved development footprint to ensure that sensitive habitats and species are avoided where possible.</p> <p>Ensure that lay-down and other temporary infrastructure are within medium- or low-sensitivity areas. The assessed locations are considered acceptable but should be rehabilitated after use.</p> <p>Minimise the development footprint as far as possible and rehabilitate disturbed areas that are no longer required by the operational phase of the development.</p> <p>The exact routing of the roads should be adjusted where necessary to avoid features of higher sensitivity such as rocky outcrops, as informed by the preconstruction walkthrough of the facility.</p>	<p>Site engineer/site manager Developer to implement ECO and Safety Officer</p>	<p>Throughout construction. Monthly checks</p>

Potential Impact and Proposed Mitigation Measures	Responsibility	Frequency
<p>Preconstruction environmental induction for all construction staff on-site to ensure that basic environmental principles are adhered to. This includes topics such as no littering, appropriate handling of pollution and chemical spills, avoiding fire hazards, minimizing wildlife interactions, remaining within demarcated construction areas etc.</p> <p>Demarcate sensitive areas in close proximity to the development footprint as no-go areas with construction tape or similar and clearly marked as a no-go area.</p>		
<p><b>Faunal impacts due to construction-phase noise and physical disturbance</b></p> <p>Preconstruction walk-through of the facility to identify areas of faunal sensitivity.</p> <p>During construction, any fauna directly threatened by the construction activities should be removed to a safe location by the ECO or other suitably qualified person.</p> <p>The illegal collection, hunting or harvesting of any plants or animals at the site should be strictly forbidden. Personnel should not be allowed to wander off the construction site.</p> <p>Fires within suitable dedicated containers (i.e. braai drums etc.) should only be allowed within the construction camp and similar demarcated and cleared areas, and no fires should be allowed in the open veld as there is a risk of runaway veld fires.</p> <p>No fuelwood collection should be allowed on-site.</p> <p>No dogs or cats should be allowed on site apart from that of the landowners.</p> <p>If any parts of the site such as construction camps must be lit at night, this should be done with low-UV type lights (such as most LEDs) as far as practically possible, which do not attract insects, and which should be directed downwards.</p> <p>All hazardous materials should be stored in an appropriate manner to prevent contamination of the site. Any accidental chemical, fuel and oil spills that occur at the site should be cleaned up in the appropriate manner as related to the nature of the spill.</p> <p>No unauthorized persons should be allowed onto the site, and site access should be strictly controlled.</p> <p>All construction vehicles should adhere to a low-speed limit (40km/h for cars and 30km/h for trucks) to avoid collisions with susceptible species such as snakes and tortoises and rabbits or hares. Speed limits should apply within the facility as well as on the public gravel access roads to the site.</p>	<p>Site engineer/site manager Developer to implement ECO and Safety Officer</p>	<p>Throughout construction. Monthly checks</p>

Potential Impact and Proposed Mitigation Measures	Responsibility	Frequency
<p>All personnel should undergo environmental induction with regards to fauna and in particular awareness about not harming or collecting species such as snakes, tortoises and owls which are often needlessly persecuted.</p> <p>If parts of the facility are to be fenced, then no electrified strands should be placed within 30cm of the ground as some species such as tortoises are susceptible to electrocution from electric fences as they do not move away when electrocuted but rather adopt defensive behaviour and are killed by repeated shocks. Alternatively, the electrified strands should be placed on the inside of such fenced areas and not the outside.</p>		
<b>Avifauna</b>		
<p><b>Displacement of priority species due to construction activities at the wind development area</b></p> <p>Restrict the construction activities to the construction footprint area.</p> <p>Do not allow any access to the remainder of the property during the construction period.</p> <p>Measures to control noise and dust should be applied according to current best practice in the industry.</p> <p>Maximum use should be made of existing access roads, and the construction of new roads should be kept to a minimum.</p> <p>A 3km turbine-free buffer zone should be implemented around the Verreaux's Eagle nests located at -31.216572° 24.957244° and -31.219075° 24.970194°.</p> <p>The appointed Environmental Control Officer (ECO) should be trained by an avifaunal specialist to identify the signs that indicate possible breeding by priority species. The ECO must then, during audits/site visits, make a concerted effort to look out for such breeding activities of such species, and such efforts may include the training of construction staff to identify such species, followed by regular questioning of staff as to the regular whereabouts on site of the species. If any priority species are confirmed to be breeding (e.g. if a nest site is found), construction activities within 500m of the breeding site must cease, and the avifaunal specialist will be contacted immediately for further assessment of the situation and instruction on how to proceed.</p>	<p>Site engineer/site manager Developer to implement ECO and Safety Officer</p>	<p>Throughout construction Monthly checks</p>
<b>Bats</b>		



Potential Impact and Proposed Mitigation Measures	Responsibility	Frequency
<p><b>Destruction of bat roosts due to earthworks and blasting</b></p> <p>Adhere to the sensitivity map during turbine placement. Blasting should be minimised and used only when necessary.</p>	<p>Site engineer/site manager Developer to implement ECO and Safety Officer</p>	<p>Throughout construction Monthly checks</p>
<p><b>Loss of foraging habitat</b></p> <p>Adhere to the sensitivity map. Keep to designated areas when storing building materials, resources, turbine components and/or construction vehicles and keep to designated roads with all construction vehicles. Damaged areas not required after construction should be rehabilitated by an experienced vegetation succession specialist.</p>	<p>Site engineer/site manager Developer to implement ECO and Safety Officer</p>	<p>Throughout construction Monthly checks</p>
<b>Noise</b>		
<p><b>Night-time construction of the Access Roads</b></p> <p>Where possible, do not allow night-time construction activities located within 800m from potential noise-sensitive receptors.</p>	<p>Site engineer/site manager Developer to implement ECO and Safety Officer</p>	<p>Throughout construction Monthly checks</p>
<p><b>Noise from daytime construction traffic</b></p> <p>Where possible relocate access roads to be further than 60m from dwellings occupied by people (during construction period) to reduce the significance of noise from construction traffic during the day.</p>	<p>Site engineer/site manager Developer to implement ECO and Safety Officer</p>	<p>Throughout construction Monthly checks</p>
<p><b>Noise from night-time construction traffic</b></p> <p>Where possible relocate access roads to be further than 140 m from dwellings occupied by people (noise level below 42 dBA). Minimize or eliminate night-time traffic that may pass within 140m (ideally) from noise-sensitive receptors for a noise impact of low significance.</p>	<p>Site engineer/site manager Developer to implement ECO and Safety Officer</p>	<p>Throughout construction Monthly checks</p>
<b>Visual</b>		
<p><b>Impact of access roads</b></p>	<p>Site engineer/site manager</p>	<p>Throughout construction</p>

Potential Impact and Proposed Mitigation Measures	Responsibility	Frequency
<p>Carefully plan to reduce the construction period.</p> <p>Minimise vegetation clearing and rehabilitate cleared areas as soon as possible.</p> <p>Maintain a neat construction site by removing rubble and waste materials regularly.</p> <p>Make use of existing gravel access roads where possible.</p> <p>Ensure that dust suppression techniques are implemented on all access roads, especially those leading up steep slopes.</p>	<p>Developer to implement ECO and Safety Officer</p>	<p>Monthly checks</p>
<p><b>Impact of cabling</b></p> <p>All reinstated cable trenches should be re-vegetated with the same vegetation that existed prior to the cable being laid.</p> <p>Carefully plan to reduce the construction period.</p> <p>Minimise vegetation clearing and rehabilitate cleared areas as soon as possible.</p> <p>Maintain a neat construction site by removing rubble and waste materials regularly.</p> <p>Make use of existing gravel access roads where possible.</p> <p>Ensure that dust suppression techniques are implemented on all access roads.</p>	<p>Site engineer/site manager Developer to implement ECO and Safety Officer</p>	<p>Throughout construction Monthly checks</p>
<b>Heritage</b>		
<p><b>Impacts to Archaeological Heritage</b></p> <p>Do not disturb and old stone kraals or ruins, do not remove stone from walls, or artefacts from the earth or earth surface.</p> <p>Report any chance discoveries of human remains to an archaeologist or a heritage authority.</p> <p>Moderate mitigation requirements have been identified that involve the avoidance of, or professional collection of archaeological material from archaeological sites JG001-3, JR001 and JG026.</p>	<p>Site engineer/site manager Developer to implement ECO and Safety Officer</p>	<p>Throughout construction Monthly checks</p>
<p><b>Impacts to Colonial Period Heritage</b></p> <p>Do not disturb and old stone kraals or ruins, do not remove stone from walls, or artefacts from the earth or earth surface.</p> <p>Do not demolish without authority authorisation, ideally reuse old structures and cottages, care for the fabric but change it as little as possible.</p>	<p>Site engineer/site manager Developer to implement ECO and Safety Officer</p>	<p>Throughout construction Monthly checks</p>

Potential Impact and Proposed Mitigation Measures	Responsibility	Frequency
<p><b>Impacts to cultural landscape and setting</b></p> <p>Mitigation can be achieved only in part due to size of turbines.</p> <p>Adhere to findings and recommendations of the Visual Impact Assessment.</p> <p>If it is not possible to avoid site JG026, JG001-3, JR001- 002, JG025-029 a permit in terms of section 35 of the NHRA and Chapter II and III of the 2000 NHRA Regulations must be applied for prior to construction;</p> <p>A Heritage Management Plan (HMP) must be developed and implemented as part of the EMP to ensure the in-situ conservation of heritage resources within the development area. The HMP must be submitted to SAHRA prior to construction for comment and approval;</p> <p>If any evidence of archaeological sites or remains (e.g. remnants of stone-made structures, indigenous ceramics, bones, stone artefacts, ostrich eggshell fragments, charcoal and ash concentrations), fossils or other categories of heritage resources are found during the proposed development, SAHRA APM Unit (Natasha Higgitt/Phillip Hine 021 462 5402) must be alerted. If unmarked human burials are uncovered, the SAHRA Burial Grounds and Graves (BGG) Unit (Thingahangwi Tshivhase/Mimi Seetelo 012 320 8490), must be alerted immediately. A professional archaeologist or palaeontologist, depending on the nature of the finds, must be contracted as soon as possible to inspect the findings. If the newly discovered heritage resources prove to be of archaeological or palaeontological significance, a Phase 2 rescue operation may be required subject to permits issued by SAHRA;</p>	<p>Developer to implement – Developer to appoint heritage specialist to develop HMP. ECO and Safety Officer</p>	<p>Throughout construction Monthly checks</p>
<p><b>Palaeontological Heritage Impact</b></p>		
<p><b>Impacts to Palaeontology</b></p> <p>Safeguarding of chance fossil finds (preferably in situ) during the construction phase by the responsible ECO, followed by reporting of finds to the responsible heritage management authority (SAHRA for the Northern Cape or the Eastern Cape Provincial Heritage Resources Authority (ECPHRA) for the Eastern Cape).</p> <p>The monitoring of 10% of excavations into bedrock as per SAHRA guideline.</p> <p>The avoidance of any buffer zones as recommended by the palaeontologist.</p> <p>Recording and judicious sampling of significant chance fossil finds by a qualified palaeontologist, together with pertinent contextual data (stratigraphy, sedimentology, taphonomy) within the final footprint.</p>	<p>Site engineer/site manager Developer to implement ECO and Safety Officer</p>	<p>Throughout construction Monthly checks</p>

Potential Impact and Proposed Mitigation Measures	Responsibility	Frequency
Curation of fossil material within an approved repository (museum/university fossil collection) by a qualified palaeontologist.		
<b>Social Impacts</b>		
<p><b>Creation of local employment, training and business opportunities</b></p> <p><b>Employment</b></p> <p>Where reasonable and practical the proponent should appoint local contractors and implement a 'locals first' policy, especially for semi and low-skilled job categories. Due to the low skills levels in the area, the majority of skilled posts are likely to be filled by people from outside the area.</p> <p>Where feasible, efforts should be made to employ local contractors that are compliant with Broad Based Black Economic Empowerment (BBBEE) criteria.</p> <p>Before the construction phase commences the proponent should meet with representatives from the ULM and IYLM to establish the existence of a skills database for the area. If such a database exists, it should be made available to the contractors appointed for the construction phase.</p> <p>The local authorities, relevant community representatives and local farmers should be informed of the final decision regarding the project and the potential job opportunities for locals and the employment procedures that the proponent intends following for the construction phase of the project;</p> <p>Where feasible a training and skills development programmes for local workers should be initiated prior to the initiation of the construction phase;</p> <p>The recruitment selection process should seek to promote gender equality and the employment of women wherever possible.</p> <p><b>Business</b></p> <p>The proponent should liaise with the ULM and IYLM with regards the establishment of a database of local companies, specifically BBBEE companies, which qualify as potential service providers (e.g. construction companies, catering companies, waste collection companies, security companies etc.) prior to the commencement of the tender process for construction contractors. These companies should be notified of the tender process and invited to bid for project-related work;</p> <p>Where possible, the proponent should assist local BBBEE companies to complete and submit the required tender forms and associated information.</p>	<p>Site engineer/site manager Developer to implement ECO and Safety Officer</p>	<p>Throughout construction Monthly checks</p>

Potential Impact and Proposed Mitigation Measures	Responsibility	Frequency
<p>The ULM and IYLM, in conjunction with the local business sector and representatives from the local hospitality industry, should identify strategies aimed at maximising the potential benefits associated with the project.</p> <p><i>Note that while preference to local employees and companies is recommended, it is recognised that a competitive tender process may not guarantee the employment of local labour for the construction phase.</i></p>		
<p><b>Impact of construction workers on local communities</b></p> <p>Where possible the proponent should make it a requirement for contractors to implement a 'locals first' policy for construction jobs, specifically for semi and low-skilled job categories.</p> <p>The proponent should consider the need for establishing a Monitoring Forum (MF) in order to monitor the construction phase and the implementation of the recommended mitigation measures. The MF should be established before the construction phase commences, and should include key stakeholders, including representatives from the ULM and IYLM, farmers and the contractor(s). The MF should also be briefed on the potential risks to the local community and farmworkers associated with construction workers.</p> <p>The proponent and the contractor(s) should, in consultation with representatives from the MF, develop a code of conduct for the construction phase. The code should identify which types of behaviour and activities are not acceptable. Construction workers in breach of the code should be dismissed. All dismissals must comply with the South African labour legislation.</p> <p>The proponent and contractor (s) should implement an HIV/AIDS awareness programme for all construction workers at the outset of the construction phase.</p> <p>The contractor should provide transport to and from the site on a daily basis for low and semi-skilled construction workers. This will enable the contractor to effectively manage and monitor the movement of construction workers on and off the site.</p> <p>Where necessary, the contractors should make the necessary arrangements to enable low and semi-skilled workers from outside the area to return home over weekends and/ or on a regular basis. This would reduce the risk posed to local family structures and social networks.</p> <p>It is recommended that no construction workers, with the exception of security personnel, should be permitted to stay over-night on the site.</p>	<p>Site engineer/site manager Developer to implement ECO and Safety Officer</p>	<p>Throughout construction Monthly checks</p>

Potential Impact and Proposed Mitigation Measures	Responsibility	Frequency
<p><b>Influx of job seekers</b></p> <p>The proponent should implement a “locals first” policy, specifically with regard to unskilled and low skilled opportunities.</p> <p>The proponent should implement a policy that no employment will be available at the gate and or in the local towns in the area (except for local residents).</p>	<p>Site engineer/site manager Developer to implement ECO and Safety Officer</p>	<p>Throughout construction Monthly checks</p>
<p><b>Risk to safety, livestock, farm infrastructure and farming operations</b></p> <p>The proponent should enter into an agreement with the local farmers in the area whereby damages to farm property etc. during the construction phase proven to be associated with the construction activities for the WEF will be compensated for. The agreement should be signed before the construction phase commences.</p> <p>Contractors appointed by the proponent should provide daily transport for workers to and from the site. This would reduce the potential risk of trespassing on the remainder of the farm and adjacent properties.</p> <p>The proponent should consider the option of establishing a MF (see above) that includes local farmers and develop a Code of Conduct for construction workers. This committee should be established prior to the commencement of the construction phase. The Code of Conduct should be signed by the proponent and the contractors before the contractors move onto site.</p> <p>The proponent should hold contractors liable for compensating farmers in full for any stock losses and/or damage to farm infrastructure that can be linked to construction workers. This should be contained in the Code of Conduct to be signed between the proponent, the contractors and neighbouring landowners. The agreement should also cover loses and costs associated with fires caused by construction workers or construction-related activities (see below).</p> <p>The Environmental Management Programme (EMPr) should outline procedures for managing and storing waste on-site, specifically plastic waste that poses a threat to livestock if ingested.</p> <p>Contractors appointed by the proponent must ensure that all workers are informed at the outset of the construction phase of the conditions contained in the Code of Conduct, specifically consequences of stock theft and trespassing on adjacent farms.</p> <p>Contractors appointed by the proponent must ensure that construction workers who are found guilty of trespassing, stealing livestock and/or damaging farm infrastructure</p>	<p>Site engineer/site manager Developer to implement ECO and Safety Officer</p>	<p>Throughout construction Monthly checks</p>

Potential Impact and Proposed Mitigation Measures	Responsibility	Frequency
<p>are dismissed and charged. This should be contained in the Code of Conduct. All dismissals must be in accordance with South African labour legislation.</p> <p>The housing of construction workers on the site should be limited to security personnel.</p>		
<p><b>Increased fire risk</b></p> <p>The proponent should enter into an agreement with the local farmers in the area whereby losses associated with fires that can be proven to be associated with the construction activities for the WEF will be compensated for. The agreement should be signed before the construction phase commences.</p> <p>Contractor should ensure that open fires on the site for cooking or heating are not allowed except in designated areas.</p> <p>No smoking should be permitted on site, except in designated areas.</p> <p>Contractor should ensure that construction-related activities that pose a potential fire risk, such as welding, are properly managed and are confined to areas where the risk of fires has been reduced. Measures to reduce the risk of fires include avoiding working in high wind conditions when the risk of fires is greater. In this regard, special care should be taken during the high risk dry, windy summer months.</p> <p>Contractor to provide adequate fire-fighting equipment on- site.</p> <p>Contractor to provide fire-fighting training to selected construction staff.</p> <p>No construction staff, with the exception of security staff, to be accommodated on-site overnight.</p> <p>As per the conditions of the Code of Conduct, in the event of a fire proven to be caused by construction workers and or construction activities, the appointed contractors must compensate farmers for any damage caused to their farms.</p> <p>The contractor should also compensate for the fire-fighting costs borne by farmers and local authorities.</p>	<p>Site engineer/site manager Developer to implement ECO and Safety Officer</p>	<p>Throughout construction Monthly checks</p>
<p><b>Impacts associated with construction vehicles</b></p> <p>As far as possible, the transport of components to the site along the N10 and N9 should be planned to avoid weekends and holiday periods.</p> <p>The contractor should inform local farmers and representatives from the ULM and IYLM Tourism of dates and times when abnormal loads will be undertaken.</p>	<p>Site engineer/site manager Developer to implement ECO and Safety Officer</p>	<p>Throughout construction Monthly checks</p>

Potential Impact and Proposed Mitigation Measures	Responsibility	Frequency
<p>The contractor must ensure that damage caused by construction related traffic to internal farm roads is repaired on a regular basis throughout the construction phase. The costs associated with the repair must be borne by the contractor.</p> <p>Dust suppression measures must be implemented for heavy vehicles such as wetting of gravel roads on a regular basis, adhering to speed limits and ensuring that vehicles used to transport sand and building materials are fitted with tarpaulins or covers.</p> <p>All vehicles must be road-worthy, and drivers must be qualified and made aware of the potential road safety issues and need for strict speed limits.</p> <p>The Contractor should ensure that workers are informed that no waste can be thrown out of the windows while being transported to and from the site. Workers who throw waste out windows should be fined.</p> <p>The Contractor should be required to collect waste along the road reserve on a weekly basis.</p> <p>Waste generated during the construction phase should be transported to the local landfill site.</p> <p>EMP measures (and penalties) should be implemented to ensure farm gates are closed at all times.</p> <p>EMP measures (and penalties) should be implemented to ensure speed limits are adhered to at all times.</p>		
<p><b>Impact associated with loss of farmland</b></p> <p>The location of wind turbines, access roads, laydown areas etc. should be informed by the findings of the soil and vegetation study. In this regard, areas of high potential agricultural and sensitive vegetation soils should be avoided.</p> <p>The developer should consult with affected property owners in order to enable them to factor construction activities into their farming schedules.</p> <p>The location of wind turbines, access roads, laydown areas etc. should be discussed with the locally affected landowner in the finalisation process and inputs provided should be implemented in the layout as best as possible.</p> <p>The footprint areas for the establishment of individual wind turbines should be clearly demarcated prior to commencement of construction activities. All construction related activities should be confined to the demarcated area and minimised where possible.</p> <p>An Environmental Control Officer (ECO) should be appointed to monitor the establishment phase of the construction phase.</p>	<p>Site engineer/site manager Developer to implement ECO and Safety Officer</p>	<p>Throughout construction Monthly checks</p>



Potential Impact and Proposed Mitigation Measures	Responsibility	Frequency
<p>All areas disturbed by construction related activities, such as access roads on the site, construction platforms, workshop area, etc., should be rehabilitated at the end of the construction phase. The rehabilitation plan should be informed by input from the soil scientist and discussed with the local farmer.</p> <p>The implementation of a rehabilitation programme should be included in the terms of reference for the contractor/s appointed.</p> <p>The implementation of the Rehabilitation Programme should be monitored by the ECO.</p> <p>All workers should receive training/ briefing on the reasons for and importance of not driving in undesignated areas.</p> <p>EMP measures (and penalties) should be implemented to strictly limit all vehicle traffic to designated roads and construction areas. Under no circumstances should vehicles be allowed to drive into the veld.</p> <p>Disturbance footprints should be reduced to the minimum.</p> <p>Compensation should be paid by the developer to farmers that suffer a permanent loss of land due to the establishment of the WEF. Compensation should be based on accepted land values for the area.</p>		

## 6.2 Post Construction

- Once construction has been completed on-site, and all excess material has been removed, the storage area shall be rehabilitated. If the area was badly damaged, re-seeding shall be done, and fencing in of the area shall be considered if livestock/faunal species specific to the area may subsequently have access to such an area.
- Such areas shall be rehabilitated to their natural state. Any spilled concrete shall be removed and soil compacted during construction shall be ripped, levelled and revegetated.
- Only designated areas must be used for storage of construction materials, soil stockpiles, machinery and other equipment.
- Specific areas must be designated for cement/concrete mixing/ batching plants. Sufficient drainage for these plants must be in place to ensure that soils do not become contaminated.
- The construction camp must be kept clear of litter at all times.
- Spillages within the construction camp need to be cleaned up immediately and disposed of in the hazardous skip bin for correct disposal.
- All remaining material, including building rubble and waste is to be removed from the site.
- All areas disturbed should be managed to ensure efficient drainage.
- The area designated for the deposition of spoil material is to be levelled and shaped to ensure the efficient drainage of the site. Under no circumstances is general or hazardous waste to be disposed of at this site.

### 6.2.1 Infrastructure

- Disassemble all temporary infrastructure units and remove components from the working areas and contractors camp. This will include storage structures and containers, water storage container, power supply, workers accommodation, sewage systems.
- Drain all potable chemical toilets, being careful not to spill the contents. Transfer the waste to an appropriate disposal site.
- Drain all wastewater and sewage associated with temporary ablution facilities and transfer the waste to an appropriate disposal site to be identified by the contractor.
- Disassemble all fencing around the camp and either sell, suction or donate to the local community or transfer the waste components to a disposal site or the contractor's base.
- Do not leave any components, waste or infrastructure units within the working area and camp unless specifically required for the operation and maintenance phases and as agreed by the ECO.

### 6.2.2 Contaminated Substrate and Pollution Control Structures

- Excavate all areas of the contaminated substrate, transfer the contaminated substrate to an appropriate disposal site and treat the affected areas.
- Remove all plastic linings used for pollution control and transfer to an appropriate disposal site.
- Break up all concrete structures that have been created and remove concrete waste to an appropriate disposal site.

### 6.2.3 Waste

- Remove all remaining construction materials from the camp and working areas and either sell, auction, donate to the local community or transfer the waste components to a disposal site or the contractor's base.

- Remove all construction debris, litter and domestic waste from the camp and working areas and transfer to an appropriate disposal site.
- Remove all waste receptacles from the camp and working areas and either sell, auction, donate to the local community or transfer the waste components to a disposal site or the contractor's base.

## 7 OPERATIONAL PHASE MITIGATION MEASURES

Once the construction and commissioning of the WEF are completed, the project becomes operational. The operator of the WEF has the responsibility to ensure that the mitigation measures proposed for the operational phase of the WEF are implemented and conducted appropriately. The main impacts associated with the operation phase of the WEF relate to birds and bats.

During operation of the development, the large majority of the WEF sites will continue with agricultural use as it is currently. The only development related activities on-site will be routine servicing and unscheduled maintenance. The noise impact from maintenance activities is insignificant, with the main noise source being the wind turbine blades and the nacelle (components inside).

Although noise and disturbance levels during operation will be significantly reduced compared to construction, some noise and disturbance impacts will persist due to operational activities on the wind farm as well as noise generated by the turbines themselves. Due to the low significance of a noise impact, no routine noise measurement programme is recommended. Measurement locations, frequencies and procedures are provided (Section 22) as a guideline for the developer to consider should there be a noise complaint.

As the affected areas are not considered to be very high faunal sensitivity, and there are no species of very high sensitivity present, the post-mitigation operational impacts on fauna are likely to be of low significance.

Displacement of priority species due to habitat destruction during the operational lifetime of the wind energy facility phase is likely to be a medium negative impact but will be reduced to a low level with the application of mitigation measures. Species most likely to be affected by the habitat destruction (particularly fragmentation) are the terrestrial species such as Blue Crane, Ludwig's Bustard, Secretarybird and Grey-winged Francolin. The rehabilitation of disturbed areas will help to mitigate the impact of the habitat transformation to some extent, but the fragmentation of the habitat due to the construction of the internal road network cannot be mitigated and will remain an impact for the duration of the operational lifetime of the facility.

Collisions of priority species with the turbines in the operational phase are likely to be a medium negative impact, and it could be reduced to a low negative level through the application of mitigation measures. Species most likely to be at risk of collision with the turbines are Lesser Kestrel and Jackal Buzzard. The impact is likely to persist for the operational lifetime of the project. Implementation of the proposed mitigation measures should reduce the probability and severity of the impact on priority species to such an extent that the overall significance should be reduced to low.

Mortality of priority species with the grid connection and internal medium voltage network due to collisions in the operational phase is likely to be of medium significance and will remain as such after the implementation of mitigation measures.

During the operational life of the wind farm, it is expected that physical impacts to heritage will diminish or cease. Impacts to intangible heritage are expected to occur. Such impacts relate to changes to the feel, atmosphere and identity of a place or landscape. Such

changes are evoked by visual intrusion, noise, changes in land use and population density. In the case of this project, there are no inhabited structures with or close to the project area, therefore, these impacts will not apply.

It is recommended that curtailment be applied from the start of operation at Level 3 on all turbines for every night of the year from dusk until dawn. Should robust and scientifically defensible data gathered during the operational study phase reveal higher bat mortalities than currently anticipated, the mitigations should be applied to the turbines identified as causing the highest impacts.

The developer has the responsibility to ensure that all operational mitigation measures outlined in this document, and all revisions thereof, are complied with.

**Table 7.1 Operational Phase Mitigation Measures**

Potential Impact and Proposed Mitigation Measures	Responsibility	Frequency
<b>Geology, Soils and Agricultural Potential Impact</b>		
<p><b>Loss of agricultural land</b> Avoid areas under cultivation (if any)</p>	<p>Site engineer/site manager Developer to implement ECO and Safety Officer</p>	<p>Throughout construction Monthly checks</p>
<p><b>Increased soil erosion hazard</b> Minimize vegetation removal to the smallest possible footprint. Control possible runoff by using soil conservation and soil retention measures, especially on steep slopes. Store any removed topsoil for later use (contains indigenous seeds etc.) and re-vegetate as soon as possible. Once specific infrastructure sites are known, site specific measures can be devised for implementation, and any potentially high-risk sites can be identified.</p>	<p>Site engineer/site manager Developer to implement ECO and Safety Officer</p>	<p>Throughout construction Monthly checks</p>
<b>Freshwater and Wetlands</b>		
<p><b>Impact on riparian systems through the possible increase in surface water runoff from hard surfaces and or new road crossings on riparian form and function</b> Any stormwater within the site must be handled in a suitable manner, i.e. trap sediments, and reduce flow velocities. This is particularly important due to the levels of erosion already observed within the affected catchments.</p>	<p>Site engineer/site manager Developer to implement ECO and Safety Officer</p>	<p>Throughout operation. Monthly checks</p>
<p><b>Increase in sedimentation and erosion within the development footprint during the construction phase and to a lesser degree the operational phase</b> During the operational phase, monitor culverts to see if erosion issues arise and if any erosion control is required. Appropriate ablation facilities should be provided for on-site staff during the operation of the facility.</p>	<p>Site engineer/site manager Developer to implement ECO and Safety Officer</p>	<p>Throughout operation. Monthly checks</p>

Potential Impact and Proposed Mitigation Measures	Responsibility	Frequency
<b>Flora and Terrestrial Fauna</b>		
<p><b>Faunal impacts due to operational activities</b></p> <p>Management of the site should take place within the context of an Open Space Management Plan.</p> <p>No unauthorized persons should be allowed onto the site.</p> <p>Any potentially dangerous fauna such as snakes or fauna threatened by the maintenance and operational activities should be removed to a safe location.</p> <p>The collection, hunting or harvesting of any plants or animals at the site should be strictly forbidden by anyone except landowners or other individuals with the appropriate permits and permissions where required.</p> <p>If the site must be lit at night for security purposes, this should be done with downward- directed low-UV type lights (such as most LEDs) as far as possible, which do not attract insects.</p> <p>All hazardous materials should be stored in an appropriate manner to prevent contamination of the site. Any accidental chemical, fuel and oil spills that occur at the site should be cleaned up in the appropriate manner as related to the nature of the spill.</p> <p>All vehicles accessing the site should adhere to a low-speed limit (40km/h max) to avoid collisions with susceptible species such as snakes and tortoises.</p>	<p>Site engineer/site manager Developer to implement ECO and Safety Officer</p>	<p>Throughout operation. Monthly checks</p>
<p><b>Soil Erosion Risk</b></p> <p>Erosion management at the site should take place according to the Erosion Management Plan and Rehabilitation Plan.</p> <p>All roads and other hardened surfaces should have runoff control features which redirect water flow and dissipate any energy in the water, which may pose an erosion risk.</p> <p>Regular monitoring for erosion after construction to ensure that no erosion problems have developed as a result of the disturbance, as per the Erosion Management and Rehabilitation Plans for the project.</p> <p>All erosion problems observed should be rectified as soon as possible, using the appropriate erosion control structures and revegetation techniques.</p>	<p>Site engineer/ site manager Developer to implement ECO and Safety Officer</p>	<p>Throughout operation. Monthly checks</p>

Potential Impact and Proposed Mitigation Measures	Responsibility	Frequency
<p>All cleared areas should be revegetated with indigenous perennial shrubs and grasses from the local area. These can be cut when dry and placed on the cleared areas if natural recovery is slow.</p>		
<p><b>Alien Plant Invasion</b></p> <p>Wherever excavation is necessary, topsoil should be set aside and replaced after construction to encourage natural regeneration of the local indigenous species.</p> <p>Due to the disturbance at the site as well as the increased run-off generated by the hard infrastructure, alien plant species are likely to be a long-term problem at the site, and a long-term control plan will need to be implemented. Problem woody species such as <i>Prosopis</i> are already present in the area and are likely to increase rapidly if not controlled.</p> <p>Regular monitoring for alien plants within the development footprint as well as adjacent areas which receive runoff from the facility as there are also likely to be prone to invasion problems.</p> <p>Regular alien clearing should be conducted, as needed, using the best-practice methods for the species concerned. The use of herbicides should be avoided as far as possible</p>	<p>Site engineer/site manager Developer to implement ECO and Safety Officer</p>	<p>Throughout operation. Monthly checks</p>
<p><b>Impact on Critical Biodiversity Areas and Broad-Scale Ecological Processes</b></p> <p>Minimise the development footprint, especially within the high sensitivity areas and some reduction in the number of turbines within these areas may be required.</p> <p>There should be an integrated management plan for the development area during operation, which is beneficial to fauna and flora.</p> <p>Specific avoidance and mitigation may be required to reduce the impact on certain habitats of limited extent and high ecological or conservation significance.</p>	<p>Site engineer/site manager Developer to implement ECO and Safety Officer</p>	<p>Throughout operation. Monthly checks</p>
<p><b>Avifauna</b></p>		
<p><b>Direct mortality of priority species due to electrocution associated with the internal medium voltage MV powerline at the wind development area</b></p> <p>The final powerline design and associated electrocution mitigation measures (if necessary) must be approved and signed off by the avifaunal specialist.</p>	<p>Site engineer/site manager Developer to implement ECO and Safety Officer</p>	<p>Throughout operation. Monthly checks</p>

Potential Impact and Proposed Mitigation Measures	Responsibility	Frequency
<p><b>Displacement of priority species due to habitat destruction at the wind development site</b></p> <p>The recommendations of the specialist ecological study must be strictly adhered to. Maximum use should be made of existing access roads, and the construction of new roads should be kept to a minimum.</p> <p>Following construction, rehabilitation of all areas disturbed (e.g. temporary access tracks and laydown areas) must be undertaken, and to this end, a habitat restoration plan is to be developed by a rehabilitation specialist.</p>	<p>Site engineer/site manager Developer to implement ECO and Safety Officer</p>	<p>Throughout operation. Monthly checks</p>
<p><b>Direct mortality of priority species due to collisions with the turbines at the wind development area</b></p> <p>Once the turbines have been constructed, post-construction monitoring should be implemented to compare actual collision rates with predicted collision rates.</p> <p>The avifaunal specialist, in consultation with external experts and relevant NGO's such as BLSA, should determine annual mortality thresholds for priority species anticipated to be at risk of collision mortality, prior to the wind farm going operational.</p> <p>If actual collision rates exceed the pre-determined threshold levels, curtailment of turbines should be implemented for high-risk situations.</p> <p>A 150m no-turbine set-back buffer zone (infrastructure is allowed) is required around the escarpment to minimise the risk of collisions for slope soaring species.</p> <p>A 3km turbine-free buffer zone should be implemented around the Verreux's Eagle nests located at -31.216572° 24.957244° and -31.219075° 24.970194°.</p> <p>Care should be taken not to create habitat for prey species that could draw priority raptors into the area and expose them to collision risk. Rock piles must be removed from site or covered with topsoil to prevent them from becoming habitat for Rock Hyrax (Dassie).</p>	<p>Site engineer/site manager Developer to implement ECO and Safety Officer</p>	<p>Throughout operation. Monthly checks</p>
<b>Bats</b>		
<p><b>Bat mortalities due to direct blade impact or barotrauma during foraging activities (not migration)</b></p> <p>Adhere to the sensitivity maps.</p>	<p>Site engineer/site manager Developer to implement ECO</p>	<p>Throughout operation. Monthly checks</p>



Potential Impact and Proposed Mitigation Measures	Responsibility	Frequency
<p>Avoid areas of high bat sensitivity and their buffers as well as preferably avoid areas of Moderate bat sensitivity and their buffers.</p> <p>Adhere to operational mitigation measures that may be deemed necessary during the operational monitoring assessment, if any is required.</p>		
<p><b>Artificial Lighting</b></p> <p>If possible, utilise lights with wavelengths that attract fewer insects (low thermal/infrared signature).</p> <p>Lights should be switched off when not in use or equipped with passive motion sensors.</p>	<p>Site engineer/site manager Developer to implement ECO</p>	<p>Throughout operation. Monthly checks</p>
<b>Visual</b>		
<p><b>Impact on access roads</b></p> <p>Medium-high visual impact zones should be viewed as zones where the number of turbines should be limited, where possible.</p> <p>No turbines should be placed within 500m of the N9, N10 and R389 provincial road.</p> <p>Where possible, fewer but larger turbines with a greater output should be utilised rather than a larger number of smaller turbines with a lower capacity.</p> <p>Turbines should be painted plain white, as this is a less industrial colour (Vissering, 2011). Bright colours or obvious logos should not be permitted.</p> <p>Turbines should be repaired promptly, as they are considered more visually appealing when the blades are rotating (or at work) (Vissering, 2011).</p> <p>If required, turbines should be replaced with the same model, or one of equal height and scale. Repeating elements of the same height, scale and form can result in unity and lessen the visual impact that would typically be experienced in a chaotic landscape made up of diverse colours, textures and patterns (Vissering, 2011).</p> <p>Light fittings for security at night should reflect the light toward the ground and prevent light spill.</p> <p>Ensure that dust suppression techniques are implemented on all access roads.</p>	<p>Site engineer/ site manager Developer to implement ECO and Safety Officer</p>	<p>Throughout operation. Monthly checks</p>
<p><b>Impact on cabling</b></p>	<p>Site engineer/ site manager</p>	<p>Throughout operation. Monthly checks</p>

Potential Impact and Proposed Mitigation Measures	Responsibility	Frequency
<p>Light fittings for security at the on-site switching station at night should reflect the light toward the ground and prevent light spill.</p> <p>Where practically possible, the operations and maintenance buildings should not be illuminated at night.</p> <p>Power lines should be aligned to run parallel to existing power lines and other linear infrastructure, if possible.</p> <p>Power lines should be aligned to avoid ridgelines and steep slopes, if possible.</p> <p>Cables should be buried underground where possible.</p> <p>The operation and maintenance buildings should be painted with natural tones that fit with the surrounding environment. Non-reflective surfaces should be utilised where possible.</p> <p>Ensure that dust suppression techniques are implemented on all access roads.</p> <p>Select the alternatives that will have the least impact on visual receptors.</p>	<p>Developer to implement ECO and Safety Officer</p>	
<b>Heritage</b>		
<p><b>Impacts to cultural landscape and setting</b></p> <p>Mitigation can be achieved only in part due to size of turbines.</p> <p>Adhere to findings and recommendations of the Visual Impact Assessment.</p>	<p>Site engineer/site manager Developer to implement ECO and Safety Officer</p>	<p>Throughout operation. Monthly checks</p>
<b>Social</b>		
<p><b>Development of renewable energy infrastructure</b></p> <p>Implement a skills development and training programme aimed at maximizing the number of employment opportunities for local community members.</p> <p>Maximise opportunities for local content, procurement and community shareholding.</p> <p>Establish a visitor centre.</p>	<p>Site engineer/site manager Developer to implement ECO and Safety Officer</p>	<p>Throughout operation. Monthly checks</p>
<p><b>Creation of employment and business opportunities and support for local economic development</b></p> <p>Implement a skills development and training programme aimed at maximizing the number of employment opportunities for local community members.</p>	<p>Site engineer/site manager Developer to implement ECO and Safety Officer</p>	<p>Throughout operation. Monthly checks</p>

Potential Impact and Proposed Mitigation Measures	Responsibility	Frequency
<p>Maximise opportunities for local content, procurement and community shareholding. Establish a visitor centre.</p> <p>The proponent should implement a training and skills development programme for locals during the first 5 years of the operational phase. The aim of the programme should be to maximise the number of South African's and locals employed during the operational phase of the project.</p> <p>The proponent, in consultation with the ULM and IYLM, should investigate the options for the establishment of a Community Development Trust.</p>		
<p><b>Benefits associated with the establishment of a Community Trust</b></p> <p>The ULM and IYLM should be consulted as to the structure and identification of potential trustees to sit on the Trust. The key departments in the ULM and IYLM that should be consulted include the Municipal Managers Office, IDP Manager and LED Manager.</p> <p>Clear criteria for identifying and funding community projects and initiatives in the area should be identified. The criteria should be aimed at maximising the benefits for the community as a whole and not individuals within the community.</p> <p>Strict financial management controls, including annual audits, should be instituted to manage the funds generated for the Community Trust from the WEF.</p>	<p>Site engineer/site manager Developer to implement ECO and Safety Officer</p>	<p>Throughout operation. Monthly checks</p>
<p><b>Generate income for affected landowners</b></p> <p>Implement agreements with affected landowners.</p>	<p>Site engineer/site manager Developer to implement ECO and Safety Officer</p>	<p>Throughout operation. Monthly checks</p>
<p><b>Impact on sense of place and rural character of the landscape based on findings of VIA</b></p> <p>The recommendations contained in the VIA should be implemented, specifically the measures aimed at addressing the impact of aviation lights at night.</p>	<p>Site engineer/site manager Developer to implement ECO and Safety Officer</p>	<p>Throughout operation. Monthly checks</p>
<p><b>Potential impact on property values</b></p> <p>The recommendations contained in the VIA should be implemented.</p>	<p>Site engineer/site manager Developer to implement ECO and Safety Officer</p>	<p>Throughout operation. Monthly checks</p>
<p><b>Potential impact on tourism</b></p> <p>The recommendations contained in the VIA should be implemented.</p>	<p>Site engineer/site manager</p>	<p>Throughout operation. Monthly checks</p>

<b>Potential Impact and Proposed Mitigation Measures</b>	<b>Responsibility</b>	<b>Frequency</b>
The proponent should consider the establishment of a visitor centre should the proposed WEF be approved.	Developer to implement ECO and Safety Officer	

## 8 DECOMMISSIONING PHASE MITIGATION MEASURES

The following mitigation measures must be implemented, should the development be decommissioned. These measures must be continuously updated through the operational phase of the development.

**Table 8.1 Decommissioning Phase Mitigation Measures**

Potential Impact and Proposed Mitigation Measures	Responsibility	Frequency
<b>Flora and Terrestrial Fauna</b>		
<p><b>Faunal impacts due to decommissioning phase activities</b></p> <p>Any potentially dangerous fauna such as snakes or fauna threatened by the decommissioning activities should be removed to a safe location prior to the commencement of decommissioning activities.</p> <p>All hazardous materials should be stored in an appropriate manner to prevent contamination of the site. Any accidental chemical, fuel and oil spills that occur at the site should be cleaned up in the appropriate manner as related to the nature of the spill.</p> <p>All vehicles accessing the site should adhere to a low-speed limit (40km/h max) to avoid collisions with susceptible species such as snakes and tortoises.</p> <p>No excavated holes or trenches should be left open for extended periods as fauna may fall in and become trapped.</p> <p>All above-ground infrastructure should be removed from the site. Below-ground infrastructure such as cabling can be left in place if it does not pose a risk, as removal of such cables may generate additional disturbance and impact, however, this should be in accordance with the facilities' decommissioning and recycling plan, and as per the agreements with the landowners concerned.</p>	<p>Site engineer/site manager Developer to implement ECO and Safety Officer</p>	<p>Throughout the decommissioning of the facility.</p>
<p><b>Following decommissioning, the site will be highly vulnerable to soil erosion</b></p> <p>Any roads that will not be rehabilitated should have runoff control features which redirect water flow and dissipate any energy in the water, which may pose an erosion risk.</p> <p>There should be regular monitoring for erosion for at least 2 years after decommissioning by the applicant to ensure that no erosion problems develop as a result of the disturbance, and if they do, to immediately implement erosion control measures.</p>	<p>Site engineer/site manager Developer to implement ECO and Safety Officer</p>	<p>Throughout the decommissioning of the facility.</p>

Potential Impact and Proposed Mitigation Measures	Responsibility	Frequency
<p>All erosion problems observed should be rectified as soon as possible, using the appropriate erosion control structures and revegetation techniques.</p> <p>All disturbed and cleared areas should be revegetated with indigenous perennial shrubs and grasses from the local area.</p>		
<p><b>Alien Plant Invasion following decommissioning</b></p> <p>Wherever excavation is necessary for decommissioning, topsoil should be set aside and replaced after decommissioning activities are complete to encourage natural regeneration of the local indigenous species.</p> <p>Due to the disturbance at the site alien plant species are likely to be a long-term problem at the site following decommissioning, and regular control will need to be implemented until a cover of indigenous species has returned.</p> <p>Regular monitoring for alien plants within the disturbed areas for at least two years after decommissioning or until alien invasive species are no longer a problem at the site.</p> <p>Regular alien clearing should be conducted using the best-practice methods for the species concerned. The use of herbicides should be avoided as far as possible.</p>	<p>Site engineer/site manager Developer to implement ECO and Safety Officer</p>	<p>Throughout the decommissioning of the facility.</p>
<b>Avifauna</b>		
<p><b>Displacement of priority species due to dismantling activities at the wind development area</b></p> <p>Restrict the dismantling activities to the footprint area.</p> <p>Do not allow any access to the remainder of the property during the dismantling period.</p> <p>Measures to control noise and dust should be applied according to current best practice in the industry.</p> <p>Maximum use should be made of existing access roads, and the construction of new roads should be kept to a minimum.</p>	<p>Site engineer/site manager Developer to implement ECO and Safety Officer</p>	<p>Throughout the decommissioning of the facility.</p>
<b>Social</b>		
<p><b>Loss of jobs and associated income</b></p>	<p>Site engineer/site manager</p>	<p>Throughout the decommissioning of the facility.</p>

Potential Impact and Proposed Mitigation Measures	Responsibility	Frequency
<p>The proponent should ensure that retrenchment packages are provided for all staff retrenched when the WEF is decommissioned.</p> <p>All structures and infrastructure associated with the proposed facility should be dismantled and transported off-site on decommissioning.</p> <p>The proponent should investigate the option of establishing an Environmental Rehabilitation Trust Fund to cover the costs of decommissioning and rehabilitation of disturbed areas. The Trust Fund should be funded by a percentage of the revenue generated from the sale of energy to the national grid over the 20 year operational life of the facility. The rationale for the establishment of a Rehabilitation Trust Fund is linked to the experiences with the mining sector in South Africa and failure of many mining companies to allocate sufficient funds during the operational phase to cover the costs of rehabilitation and closure. Alternatively, the funds from the sale of the WEF as scrap metal should be allocated to the rehabilitation of the site.</p>	<p>Developer to implement ECO and Safety Officer</p>	

## 9 CUMULATIVE IMPACT MITIGATION MEASURES

### 9.1 Geology

The likelihood of cumulative impacts is small. Only if other developments (whether wind farms or not) were to occur, using the same access roads and thereby increasing potential soil erosion aspects, would cumulative impacts need to be considered.

### 9.2 Freshwater and Wetlands

Overall cumulative impact during the construction and operational phases mitigation measures is to improve the current stormwater and energy dissipation features not currently found along the tracks and roads within the region and install properly sized culverts with erosion protection measures at the present road/track crossings.

### 9.3 Flora and Terrestrial Fauna

Contribution of the Hartebeesthoek West WEF to cumulative impacts on habitat loss and future ability to meet conservation targets mitigation measures is to reduce residual risk or enhance opportunities by minimising the development footprint, especially within the high sensitivity areas as far as possible and have an integrated management plan for the development area during operation, which is beneficial to fauna and flora.

### 9.4 Avifauna

Cumulative impacts on avifauna are displacement of priority species due to construction activities at the wind development area; mortality of priority species due to electrocution associated with the internal medium voltage MV powerlines; direct mortality of priority species due to collisions with the turbines at the wind development area; displacement of priority species due to dismantling activities at the wind development area; and direct mortality of priority species due to collisions with the internal medium voltage MV lines and the 132kV grid connection powerline.

#### 9.4.1 *Mitigation Measures*

All proposed mitigation measures for Construction, Operational and Decommissioning Impact Phases of the Hartebeesthoek West WEF should be implemented:

- Restrict the construction activities to the construction footprint area.
- Do not allow any access to the remainder of the property during the construction period.
- Measures to control noise and dust should be applied according to current best practice in the industry.
- Maximum use should be made of existing access roads, and the construction of new roads should be kept to a minimum.
- A 3km turbine-free buffer zone should be implemented around the Verreux's Eagle nests located at  $-31.216572^{\circ}$   $24.957244^{\circ}$  and  $-31.219075^{\circ}$   $24.970194^{\circ}$ .
- The appointed Environmental Control Officer (ECO) should be trained by an avifaunal specialist to identify the signs that indicate possible breeding by priority species. The ECO must then, during audits/site visits, make a concerted effort to look out for such breeding activities of such species, and such efforts may include the training of construction staff to identify such species, followed by regular questioning of staff as to the regular whereabouts on site of the species. If any priority species are confirmed to be breeding (e.g. if a nest site is found), construction activities within 500m of the breeding site must cease, and the avifaunal specialist will be contacted immediately for further assessment of the situation and instruction on how to proceed.



- The final powerline route should be assessed by the avifaunal specialist way of a walk-down to identify any priority species nests, which could be impacted by the construction activities. Should a nest be discovered, the avifaunal specialist must have input into the construction schedule to assess how and which of the construction activities can be timed to minimize the disturbance potential to the occupants of the nest.
- The final powerline design and associated electrocution mitigation measures (if necessary) must be approved and signed off by the avifaunal specialist.
- The recommendations of the specialist ecological study must be strictly adhered to.
- Following construction, rehabilitation of all areas disturbed (e.g. temporary access tracks and laydown areas) must be undertaken, and to this end, a habitat restoration plan is to be developed by a rehabilitation specialist.
- Once the turbines have been constructed, post-construction monitoring should be implemented to compare actual collision rates with predicted collision rates.
- The avifaunal specialist, in consultation with external experts and relevant NGO's such as BLSA, should determine annual mortality thresholds for priority species anticipated to be at risk of collision mortality, prior to the wind farm going operational.
- If actual collision rates exceed the pre-determined threshold levels, curtailment of turbines should be implemented for high-risk situations.
- A 150m no-turbine set-back buffer zone (infrastructure is allowed) is required around the escarpment to minimise the risk of collisions for slope soaring species.
- Care should be taken not to create habitat for prey species that could draw priority raptors into the area and expose them to collision risk. Rock piles must be removed from site or covered with topsoil to prevent them from becoming habitat for Rock Hyrax (Dassie).
- Restrict the dismantling activities to the footprint area.
- Do not allow any access to the remainder of the property during the dismantling period.
- Measures to control noise and dust should be applied according to current best practice in the industry.
- Maximum use should be made of existing access roads, and the construction of new roads should be kept to a minimum.
- An avifaunal specialist should perform a walk-through of the powerline prior to the commencement of the dismantling activities to identify any raptor nests on the line. Should a nest be discovered, the avifaunal specialist must have input into the dismantling schedule to assess how and which of the dismantling activities can be timed to minimize the disturbance potential to the occupants of the nest.

All the proposed mitigation measures proposed for the other renewable energy facilities within a 35km radius should be implemented:

#### *Umsobomvu Wind Energy Facility*

- No infrastructure should be built in the areas identified as HIGH sensitivity.
- There may be a requirement to avoid construction of certain infrastructure during Verreaux's Eagle breeding season (approximately May to September-October). This will be determined by the avifaunal walk through prior to construction and once the infrastructure layout is final.
- All power line linking the turbines and linking turbine strings to the on-site substation should be placed underground.
- The power line linking the site to the Eskom grid will be above ground but must conform to all Eskom standards in terms of bird-friendly pole monopole structures with Bird Perches on every pole top (to mitigate for bird electrocution), and anti-bird collision line marking devices (to mitigate for bird collision). It is particularly important that the collision mitigation devices used are durable and remain in place on the line for the full lifespan of the power line. It will be EDF/Eskom's responsibility to maintain these devices in effective condition for this period. Systematic patrols of this power line should

be conducted during post-construction bird monitoring for the wind energy facility, in order to monitor the impacts, the effectiveness of mitigation, and the durability of the mitigation measures. An avifaunal walk down will need to be conducted to assess the route of this power line once available.

- A final avifaunal walkthrough should be conducted prior to construction to ensure that all the avifaunal aspects have been adequately managed and to ground-truth the final layout of all infrastructure. This will most likely be done as part of the site-specific Environmental Management Plan. This will also allow the development of specific management actions for the Environmental Control Officer during construction and training for relevant on-site personnel if necessary.
- The post-construction bird monitoring programme outlined by this report should be implemented by a suitably qualified avifaunal. This monitoring should include the grid connection power line.
- The findings of post-construction monitoring should be used to measure the effects of this facility on birds. If significant impacts are identified, the wind farm operator will have to identify and implement suitable mitigation measures.

#### *Mainstream Noupoot Wind Energy Facility*

- The duration of the post-construction monitoring would need to be for at least an equivalent period to the pre-construction monitoring (four seasons), thereafter the need for additional monitoring will be determined and agreed to with Mainstream, based on the results of the first year of post-construction monitoring.
- A 500m buffer has already been implemented in the layout to accommodate the Blue Cranes that are breeding on the site. This should be strictly enforced as a no turbine zone for the duration of the project. In addition, no access roads should be constructed within that zone.
- Habitat destruction should be limited to what is absolutely necessary for the construction of the infrastructure, including the construction of new roads. Personnel should be adequately briefed on the need to restrict habitat destruction and must be restricted to the actual construction area.
- Formal monitoring should be resumed once the turbines have been constructed. The purpose of this would be (a) to establish if displacement of priority species has occurred and to what extent through the altering of flight patterns post-construction, and (b) to search for carcasses at turbines.
- Ensuring that key areas of conservation importance and sensitivity are avoided, in this instance, slopes and potential funnels of bird flight activity.
- The proposed power line should be routed as far as possible from high-risk areas (e.g. Blue Crane nest, agricultural lands, and dams). In addition, the proposed alignment must be assessed for potential collision risks, and those sections must be marked with Bird Flight Diverters.
- The proposed pole design must be assessed by the avifaunal specialist to ensure that the power line design poses no potential electrocution risk of large raptors, particularly Martial Eagle, which may use the poles as hunting perches.
- Once the turbines have been constructed, post-construction monitoring should be implemented as part of the continuation of the current monitoring programme, to assess displacement and actual collision rates. If actual collision and displacement levels are deemed too high, further mitigation measures would need to be considered:
  - Negotiating appropriate off-set compensation for turbine related displacement and collision mortality; and
  - As a last resort, halting operation of specific turbines during peak flight periods or reducing rotor speed, to reduce the risk of collision mortality.

*San Kraal Wind Energy Facility and Hartebeesthoek East Wind Energy Facility*

- Restrict the construction activities to the construction footprint area.
- Do not allow any access to the remainder of the property during the construction period.
- Measures to control noise and dust should be applied according to current best practice in the industry.
- Maximum use should be made of existing access roads, and the construction of new roads should be kept to a minimum.
- Implement a 500m no-development buffer zone around each of the two pans at FP3 at 31°14'15.02"S 25° 2'44.17"E and FP4 at 31°13'55.42"S 25° 2'50.37"E to protect the pair of Blue Cranes from disturbance.
- The appointed Environmental Control Officer (ECO) should be trained by an avifaunal specialist to identify the signs that indicate possible breeding by priority species. The ECO must then, during audits/site visits, make a concerted effort to look out for such breeding activities of such species, and such efforts may include the training of construction staff to identify such species, followed by regular questioning of staff as to the regular whereabouts on site of the species. If any priority species are confirmed to be breeding (e.g. if a nest site is found), construction activities within 500m of the breeding site must cease, and the avifaunal specialist will be contacted immediately for further assessment of the situation and instruction on how to proceed.
- The final powerline design and associated electrocution mitigation measures (if necessary) must be approved and signed off by the avifaunal specialist.
- Once the turbines have been constructed, post-construction monitoring should be implemented to compare actual collision rates with predicted collision rates.
- The avifaunal specialist, in consultation with external experts and relevant NGO's such as BLSA, should determine annual mortality thresholds for priority species anticipated to be at risk of collision mortality, prior to the wind farm going operational.
- If actual collision rates exceed the pre-determined threshold levels, curtailment of turbines should be implemented for high risk situations.
- A 150m no-turbine set-back buffer zone (infrastructure is allowed) is required around the escarpment to minimise the risk of collisions for slope soaring species.
- Care should be taken not to create habitat for prey species that could draw priority raptors into the area and expose them to collision risk. Rock piles must be removed from site or covered with topsoil to prevent them from becoming habitat for Rock Hyrax (Dassie).
- The final power line route should be assessed by way of a walk-through, and those sections requiring Bird Flight Diverters (BFDs) must be identified.
- Use the Preferred Alternative or Alternative 1 for the grid connection in order to avoid the No-Go zone around the Verreux's Eagle nest at FP1.
- Restrict the dismantling activities to the footprint area.
- Do not allow any access to the remainder of the property during the dismantling period.
- Restrict the dismantling activities to the footprint area.
- An avifaunal specialist should perform a walk-through of the powerline prior to the commencement of the dismantling activities to identify any raptor nests on the line. Should a nest be discovered, the avifaunal specialist must have input into the dismantling schedule to assess how and which of the dismantling activities can be timed to minimize the disturbance potential to the occupants of the nest.

## 9.5 Bats

Cumulative impacts on bat mortalities due to direct blade collision or barotrauma during foraging on resident and migrating bats can be mitigated by adhering to recommended mitigation measures during the operational phase study; applying and adhering to project specific mitigations and the sensitivity map during any further turbine layout revisions;

avoid placements of turbines in bat sensitive areas and their buffers; lastly the high sensitivity valley areas can serve as commuting corridors for bats in the larger area, potentially lowering the cumulative effects of several WEF's in an area if the valley areas are avoided during turbine placement and are well buffered.

## 9.6 Visual

Large construction vehicles and equipment during the construction phase of the Hartebeesthoek West WEF will contribute further to the alteration of the natural character of the study area and will also expose a greater number of visual receptors to visual impacts associated with the construction phase. The construction activities may be perceived as an unwelcome visual intrusion, particularly in more natural undisturbed settings. Vehicles and trucks travelling to and from the proposed Hartebeesthoek West development site on gravel access roads are also expected to result in an increase in dust emissions in the greater area. The increased traffic on these roads and the dust plumes could create a greater visual impact within the greater area and may evoke more negative sentiments from surrounding viewers. Surface disturbance during the construction of the Hartebeesthoek West WEF would also result in a greater amount of bare soil being exposed which could result in a greater visual contrast with the surrounding environment. In addition, temporary stockpiling of soil during construction may alter the landscape further. Wind blowing over these disturbed areas could result in a greater amount of dust which would have a visual impact.

- Carefully plan to reduce the construction period.
- Minimise vegetation clearing and rehabilitate cleared areas as soon as possible.
- Vegetation clearing should take place in a phased manner.
- Maintain a neat construction site by removing rubble and waste materials regularly.
- Make use of existing gravel access roads, where possible.
- Limit the number of vehicles and trucks travelling to and from the proposed Hartebeesthoek West development site, where possible.
- Ensure that dust suppression techniques are implemented on all access roads.
- Ensure that dust suppression is implemented in all areas where vegetation clearing has taken place.
- Ensure that dust suppression techniques are implemented on all soil stockpiles.
- Temporarily fence-off the construction sites (for the duration of the construction period).
- All reinstated cable trenches should be re-vegetated with the same vegetation that existed prior to the cable being laid, where possible.
- It is not realistic to attempt to screen wind farms visually. Providing a means whereby they can be absorbed into the landscape is more feasible. This can be approached by making use of certain materials and finishes and by presenting the scheme to I&APs.
- Institute a rigorous planting regime around certain boundaries of the project site, the proposed substation, ancillary buildings, N10 and N9 transportation routes.
- Buildings and similar structures must be in keeping with regional planning policy documents, especially the principles of critical regionalism (namely sense of place, sense of history, sense of nature, sense of craft and sense of limits).

The Hartebeesthoek West WEF development and its associated infrastructure could exert a visual impact by further altering the visual character of the surrounding area and exposing a greater number of sensitive visual receptor locations to visual impacts. The operation of the Hartebeesthoek West WEF in addition to the other nearby renewable energy developments may be perceived as an unwelcome visual intrusion, particularly in more natural undisturbed settings. Maintenance vehicles may need to access the Hartebeesthoek West WEF development and its associated infrastructure via gravel access roads and are expected to increase dust emissions in the surrounding area in doing so. The increased

traffic on the gravel roads and the dust plumes could create a greater visual impact within the surrounding area and may evoke more negative sentiments from surrounding viewers. It should, however, be noted that the existing roads which can be found around the project site also appear to be gravel. As such, the gravel access roads are not expected to contribute significantly to the overall cumulative visual impact. Security and operational lighting at the Hartebeesthoek West WEF development and its associated infrastructure could result in a greater amount of light pollution and glare within the surrounding area, which could be a significant annoyance to surrounding viewers.

- Where possible, fewer but larger turbines with a greater output should be utilised rather than a larger number of smaller turbines with a lower capacity.
- Medium-high visual impact zones should be viewed as zones where the number of turbines should be limited, where possible.
- Light fittings for security at night should reflect the light toward the ground (except for aviation lighting) and prevent light spill.
- The operations and maintenance buildings should not be illuminated at night, if possible.
- Turbines should be painted plain white, as this is a less industrial colour (Vissering, 2011). Bright colours or obvious logos should not be permitted.
- Turbines should be repaired promptly, as they are considered more visually appealing when the blades are rotating (or at work) (Vissering, 2011).
- The operation and maintenance buildings should be painted with natural tones that fit with the surrounding environment. Non-reflective surfaces should be utilised where possible.
- If required, turbines should be replaced with the same model or one of equal height and scale. Repeating elements of the same height, scale and form can result in unity and lessen the visual impact that would typically be experienced in a chaotic landscape made up of diverse colours, textures and patterns (Vissering, 2011).
- As far as possible, limit the number of maintenance vehicles, which are allowed to access the sites.
- Bury cables under the ground where possible.
- Ensure that dust suppression techniques are implemented on all access roads.
- Select the alternatives that will have the least impact on visual receptors.
- It is not realistic to attempt to screen wind farms visually. Providing a means whereby they can be absorbed into the landscape is more feasible. This can be approached by making use of certain materials and finishes and by presenting the scheme to I&APs.
- Institute a rigorous planting regime around certain boundaries of the project site, the proposed substation, ancillary buildings, N10 and N9 transportation routes.

## 9.7 Heritage

The cumulative impact on heritage is the risk of accumulative damage to the National Estate. Given the lack of information at present, it is difficult to judge success of mitigation, and therefore the degree of accumulative impact that has taken place. Methods must be developed by heritage authorities to assess the success of mitigation action within renewable energy projects.

## 9.8 Social

- The final placement of wind turbines associated with the proposed WEF's cumulative visual impact associated with the establishment of a WEF on the areas rural sense of place and character of the landscape should be discussed with the affected landowners, and the recommendations of the VIA should be implemented.
- The establishment of a number of renewable energy facilities has the potential to place pressure on local services, specifically medical, education and accommodation. The

Northern and Eastern Cape Provincial Government, in consultation with the ULM and IYLM and the proponents involved in the development renewable energy projects in the ULM and IYLM area should consider establishing a Development Forum to coordinate and manage the development and operation of renewable energy projects in the area, with the specific aim of mitigating potential negative impacts and enhancing opportunities. This would include identifying key needs, including capacity of existing services, accommodation and housing and the implementation of an accredited training and skills development programmes aimed at maximising the opportunities for local workers to be employed during the construction and operational phases of the various proposed projects. These issues should be addressed in the Integrated Development Planning process undertaken by the ULM and IYLM.

- The establishment of a number of renewable energy facilities in the region will create employment, skills development and training opportunities, creation of downstream business opportunities. The proposed establishment of suitably sited renewable energy facilities within the ULM and IYLM should be supported.

## **10 ALIEN INVASIVE MANAGEMENT PLAN**

### **10.1 Purpose of the Alien Invasive Management Plan**

The purpose of the Hartebeesthoek West WEF Alien Invasive Management Plan is to provide a framework for the management of alien and invasive plant species during the construction and operation of the Hartebeesthoek West Wind Energy Facility. The broad objectives of the plan includes the following:

- Ensure alien plants do not become dominant in parts or the whole site through the control and management of alien and invasive species presence, dispersal & encroachment.
- Initiate and implement a monitoring and eradication programme for alien and invasive species.
- Promote the natural re-establishment and planting of indigenous species in order to retard erosion and alien plant invasion.

### **10.2 Problem Outline**

Alien plants replace indigenous vegetation leading to a severe loss of biodiversity and change in landscape function. Potential consequences include loss of biodiversity, loss of grazing resources, increased fire risk, increased erosion, loss of wetland function, impacts on drainage lines, increased water use etc.

In addition, the Conservation of Agricultural Resources Act (Act 43 of 1983), as amended in 2001, requires that land users clear Declared Weeds from their properties and prevent the spread of Declared Invader Plants on their properties.

Table 3 of CARA (the Conservation of Agricultural Resources Act) lists all declared weeds and invader plants. Alien plants are divided into 3 categories based on their risk as an invader.

- Category 1 - These plants must be removed and controlled by all land users. They may no longer be planted or propagated, and all trade in these species is prohibited.
- Category 2 – These plants pose a threat to the environment but nevertheless have commercial value. These species are only allowed to occur in demarcated areas, and a land user must obtain a water use licence as these plants consume large quantities of water.
- Category 3 – These plants have the potential of becoming invasive but are considered to have ornamental value. Existing plants do not have to be removed, but no new plantings may occur, and the plants may not be sold.

The following guide is a useful starting point for the identification of alien species:  
Bromilow, C. 2010. *Problem Plants and Alien Weeds of South Africa*. Briza, Pretoria.

### **10.2.1 Vulnerable Ecosystems and Habitats**

Certain habitats and environments are more vulnerable to alien plant invasion and are likely to bear the brunt of alien plant invasion problems at the site. In addition, construction activities and changes in water distribution at the site following construction are also likely to increase and alter the vulnerability of the site to alien plant invasion.

Areas at the site which are likely to require specific attention include the following:

- Wetlands, drainage lines and other mesic areas.
- Cleared and disturbed areas such as road verges, crane pads and construction footprints etc.
- Construction camps and lay-down areas which are cleared or are active for an extended period.

#### *10.2.1.1 Wetlands, drainage lines and other mesic areas*

There are a number of drainage lines at the site. Disturbance within these areas often results in alien plant invasion on account of the greater water and nutrient availability in this habitat. Although there are no turbines within such areas, numerous road crossings will be required. The disturbance footprint within such areas should be minimized, and these areas should be checked for alien species more than the surrounding landscape.

#### *10.2.1.2 Cleared and disturbed areas*

Cleared and disturbed areas are clearly vulnerable to invasion on account of the lack of existing plant cover to resist invasion as well as the disturbance created during construction which promoted the germination and establishment of alien plant species.

#### *10.2.1.3 Construction camps and laydown areas*

Construction camps and lay down areas are either cleared of vegetation or prolonged activities in these areas result in negative impact on indigenous vegetation. In addition, repeated vehicle and human activity in these areas usually result in the import of alien plant seed on clothes, dirty vehicles or with construction machinery and materials.

### **10.3 General Clearing and Guidance Principles**

- Alien control programs are long-term management projects and should include a clearing plan which includes follow up actions for the rehabilitation of the cleared area. Alien problems at the site should be identified during pre-construction surveys of the development footprint. This may occur simultaneously to other required reaches and surveys. The clearing plan should then form part of the pre-construction reporting requirements for the site.
- The plan should include a map showing the alien density & indicating dominant alien species in each area.
- Lighter infested areas should be cleared first to prevent the build-up of seed banks.
- Pre-existing dense mature stands ideally should be left for last, as they probably won't increase in density or pose a greater threat than they are currently.
- Collective management and planning with neighbours may be required in the case of large woody invaders as seeds of aliens are easily dispersed across boundaries by wind or watercourses.
- All clearing actions should be monitored and documented to keep track of which areas are due for follow-up clearing.

## 10.4 Clearing Methods

- Different species require different clearing methods such as manual, chemical or biological methods or a combination of both.
- However, care should be taken that the clearing methods used do not encourage further invasion. As such, regardless of the methods used, disturbance to the soil should be kept to a minimum. Fire is not a natural phenomenon in the area and fire should not be used for alien control or vegetation management at the site.
- The best-practice clearing method for each species identified should be used. The preferred clearing methods for most alien species can be obtained from the DWAF Working for Water Website. <http://www.dwaf.gov.za/wfw/Control/>

## 10.5 Use of Herbicide for Alien Control

Although it is usually preferable to use manual clearing methods where possible, such methods may create an additional disturbance which stimulates alien invasion and may also be ineffective for many woody species which re-sprout. Where herbicides are to be used, the impact of the operation on the natural environment should be minimised by observing the following:

- Area contamination must be minimised by careful, accurate application with a minimum amount of herbicide to achieve good control.
- All care must be taken to prevent contamination of any water bodies. This includes due care in storage, application, cleaning equipment and disposal of containers, product and spray mixtures.
- Equipment should be washed where there is no danger of contaminating water sources and washings carefully disposed of in a suitable site.
- To avoid damage to indigenous or other desirable vegetation, products should be selected that will have the least effect on non-target vegetation.
- Coarse droplet nozzles should be fitted to avoid drift onto neighbouring vegetation.
- The appropriate health and safety procedures should also be followed regarding the storage, handling and disposal of herbicides.

For all herbicide applications, the following guidelines should be followed:

*Working for Water: Policy on the Use of Herbicides for the Control of Alien Vegetation.*

## 11 ALIEN PLANT MANAGEMENT PLAN

### 11.1 Construction Phase Activities

The following management actions are aimed at reducing soil disturbance during the construction phase of the development, as well as reducing the likelihood that alien species will be brought onto site or otherwise encouraged.

Construction Phase Action	Frequency
The ECO is to provide permission prior to any vegetation being cleared for development.	Daily
Clearing of vegetation should be undertaken as the work front progresses – mass clearing should not occur unless the cleared areas are to be surfaced or prepared immediately afterwards.	Weekly
Where cleared areas will be exposed for some time, these areas should be protected with packed brush, or appropriately battered with fascine work. Alternatively, jute (Soil Saver) may be pegged over the soil to stabilise it.	Weekly
Cleared areas that have become invaded can be sprayed with appropriate herbicides provided that these are such that break down on contact with the soil. Residual herbicides should not be used.	Weekly



Although organic matter is frequently used to encourage regrowth of vegetation on cleared areas, no foreign material for this purpose should be brought onto site. Brush from cleared areas should be used as much as possible. The use of manure or other soil amendments is likely to encourage invasion.	Weekly
Clearing of vegetation is not allowed within 32 m of any wetland, 80 m of any wooded area, within 1:100 year floodlines, in conservation servitude areas or on slopes steeper than 1:3, unless permission is granted by the ECO for specifically allowed construction activities in these areas	Weekly
Care must be taken to avoid the introduction of alien plant species to the site and surrounding areas. (Particular attention must be paid to imported material such as building sand or dirty earth-moving equipment.) Stockpiles should be checked regularly, and any weeds emerging from material stockpiles should be removed.	Weekly
Alien vegetation regrowth on areas disturbed by construction must be controlled throughout the entire site during the construction period.	Monthly
The alien plant removal and control method guidelines should adhere to best-practice for the species involved. Such information can be obtained from the DWAF Working for Water website.	Monthly
Clearing activities must be contained within the affected zones and may not spill over into demarcated No Go areas.	Daily
Pesticides may not be used. Herbicides may be used to control listed alien weeds and invaders only	Monthly
Wetlands and other sensitive areas should remain demarcated with appropriate fencing or hazard tape. These areas are no-go areas (this must be explained to all workers) that must be excluded from all development activities.	Daily

### 11.1.1 Monitoring Actions- Construction Phase

The following monitoring actions should be implemented during the construction phase of the development.

Monitoring Action	Indicator	Timeframe
Document alien species present at the site	List of alien species	Pre-construction
Document alien plant distribution	Alien plant distribution map within priority areas	3 Monthly
Document & record alien control measures implemented	Record of clearing activities	3 Monthly
Review & evaluation of control success rate	Decline in documented alien abundance over time	Biannually

### 11.2 Operational Phase Activities

The following management actions are aimed at reducing the abundance of alien species within the site and maintaining non-invaded areas clear of aliens.

Operational Phase Action	Frequency
Surveys for alien species should be conducted regularly. Every 6 months for the first two years after construction and annually thereafter. All aliens identified should be cleared.	Every 6 months for 2 years and annually thereafter
Where areas of natural vegetation have been disturbed by construction activities, revegetation with indigenous, locally occurring species should take place where the natural vegetation is slow to recover or where repeated invasion has taken place following disturbance.	Biannually, but revegetation should take place at the start of the rainy season
Areas of natural vegetation that need to be maintained or managed to reduce plant height or biomass should be controlled using methods that leave the soil protected, such as using a weed-eater to mow above the soil level.	When necessary
No alien species should be cultivated on-site. If vegetation is required for aesthetic purposes, then non-invasive, water-wise locally-occurring species should be used.	When necessary

### 11.2.1 Monitoring Actions-OperationalPhase

The following monitoring actions should be implemented during the construction phase of the development.

Monitoring Action	Indicator	Timeframe
Document alien species distribution and abundance overtime at the site	Alien plant distribution map	Biannually
Document alien plant control measures implemented & success rate achieved	Records of control measures and their success rate. A decline in alien distribution and cover overtime at the site	Quarterly
Document rehabilitation measures implemented, and success achieved in problem areas	Decline in vulnerable bare areas over time	Biannually

### 11.3 Decommissioning Phase Activities

The following management actions are aimed at preventing the invasion, by alien plant species, of the re-vegetated areas created during the decommissioning phase. Revegetation of the disturbed site is aimed at approximating as near as possible the natural vegetative conditions prevailing prior to operation.

Decommissioning Phase Action	Frequency
All damaged areas shall be rehabilitated if the infrastructure is removed and the facility is decommissioned	Once off
All-natural areas must be rehabilitated with species indigenous to the area. Re-seed with locally sourced seed of indigenous grass species that were recorded on-site pre-construction.	Once off, with annual follow up revegetation where required
Maintain alien plant monitoring and removal programme for 3 years after rehabilitation.	Biannually

#### 11.3.1 Monitoring Actions - Decommissioning Phase

The following monitoring and evaluation actions should take place during the decommissioning phase of the development

Monitoring Action	Indicator	Timeframe
Monitor newly disturbed areas where infrastructure has been removed to detect and quantify any aliens that may become established for 3 years after decommissioning and rehabilitation	Alien plant surveys and distribution map	Biannually until such time as the natural vegetation has recovered sufficiently to resist invasion.
Monitor re-vegetated areas to detect and quantify any aliens that may become established for 3 years after decommissioning and rehabilitation	Alien plant surveys and distribution map	Biannually for 3 years
Document alien plant control measures implemented & success rate achieved	Records of control measures and their success rate. A decline in alien distribution and cover overtime at the site	Annually for 3 years

## 12 PLANT RESCUE AND PROTECTION PLAN

### 12.1 Purpose

The purpose of the plant rescue and protection plan is to implement avoidance and mitigation measures to reduce the impact of the development on listed and protected plant species and their habitats. Although this report identifies those species suitable for search and rescue at the site, it is important to note that a preconstruction walk-through of the site would also be important to refine the list of species identified for search and rescue, as well as locate such species prior to construction.

The objective of rescuing plants on the project area is to prevent the loss of species either directly or through future extinction and minimising impacts of development on population dynamics of species of conservation concern.

Preserving the natural configuration of habitats as part of ecosystems, thus ensuring a diverse but stable hydrology, substrate and general environment for species to be able to become established and persist.

## 12.2 Effect of removing individual species of conservation concern

Species of conservation concern are declining either due to overexploitation or because their range of occupancy is limited and further infringed on by development. Most plant populations require a certain minimum number of individuals within a population or metapopulation to allow for sufficient genetic transfer between individuals. This prevents genetic erosion and hence weakening of the ability of individuals to persist in their environments. Similarly, where the distance between metapopulations is significantly increased due to fragmentation and the resultant loss of some populations, populations may suffer genetic decline due to restricted movement of pollen. Pollinators or other species that depend on a particular plant species for a specific microhabitat or food source may be equally affected because of the reduction of available resources. Therefore, the aim of plant rescue actions are always to maintain as many individuals of a plant population in as close proximity to the original habitat as possible to minimise loss of individuals and fragmentation of populations to prevent the creation of future extinction debts of the development.

## 12.3 Plant Rescue and Protection

Successful plant rescue can only be achieved if:

- Species can be removed from their original habitat with minimal damage to the plant, especially the roots.
- All plants removed are safely stored and treated according to their specific requirements prior to being transplanted again.
- They are relocated into a suitable habitat and protected from further damage and all disturbances to aid their re-establishment.
- Timing of planting activities is planned with the onset of the growing season.
- Steps are taken where necessary to aid the initial establishment of vegetation, including occasional watering.

## 12.4 Time of Planting

- All planting shall be carried out as far as is practicable during the period most likely to produce beneficial results (i.e. during the peak growing season), but as soon as possible after completion of a section of earthworks.
- Drainage line rehabilitation preparation must be done during autumn, and planting of appropriate species in these areas should commence during early spring after the first rains.

## 12.5 Plant Search and Rescue

Prior to construction, once all the areas where topsoil will be removed or areas will be transformed have been demarcated, the ECO and contractor will be responsible to remove all bulbous species from the topsoil, as well as succulents and small indigenous shrubs that can be transplanted. These are to be kept in a raised, protected position in a designated area until they can be replanted again as part of the rehabilitation process. Further details are listed in the Re-vegetation and Habitat rehabilitation Plan.

## 13 RE-VEGETATION AND HABITAT REHABILITATION PLAN

The Revegetation and Habitat Rehabilitation Plan addresses the need to mitigate all impacts leading to disturbed vegetation, loss of species and/or agricultural potential, disturbed soil surfaces, and generally bare soils prone to erosion and further degradation on the proposed development site. The plan overlaps to some degree with the Erosion Management Plan, and for successful rehabilitation, it is imperative that this plan is at all times used in conjunction with other EMPs mentioned.

The objective of the plan is, therefore, to provide:

- Protocols for the removal, temporary storage and replanting of plant species of conservation concern
- Protocols for the rehabilitation of vegetative cover across the project area
- Tools for planning the rehabilitation work and responding to unforeseen events
- Guidelines on implementation and post-implementation tasks
- Criteria for evaluating rehabilitation success
- A summary of items to be included in the rehabilitation budget to ensure that there is sufficient allocation of resources on the project budget so that the scale of EMPr-related activities is consistent with the significance of project impacts

The objective of rehabilitation and revegetation of the development area is:

- Preventing the loss of species either directly or through future extinction and minimising impacts of development on population dynamics of species of conservation concern.
- Preserving the natural configuration of habitats as part of ecosystems, thus ensuring a diverse but stable hydrology, substrate and general environment for species to be able to become established and persist.
- Preserving or re-creating the structural integrity of natural plant communities. Actively aid the improvement of indigenous biodiversity according to a desirable end state according to a previously recorded reference state. This reference state, if healthy, will be dynamic and able to recover after occasional disturbances without returning to a degraded state.
- Improving the ecosystem function of natural landscapes and their associated vegetation.
- Successful rehabilitation can only be achieved with: »A long-term commitment »Practical, adaptive management »Viable goals of desired outcomes.

Prior to vegetation rehabilitation, all stakeholders involved should be consulted to determine:

- What the rehabilitation is ultimately aiming for– rehabilitation of cropping/grazing lands or rehabilitation of indigenous vegetation, after soil erosion and stormwater management is in place and IAPs have been cleared?
- A clear definition of incompatible and compatible vegetation on and in the immediate surroundings of the development must be defined and maintained as such. No tree or shrubs shall be allowed to grow to a height in excess of the horizontal distance of tree or shrub from the nearest newly developed structure or to grow in such a manner as to endanger the development or its operation.
- Who will take long-term ownership and hence, responsibility for the rehabilitation and its subsequent monitoring and management? Continued monitoring of vegetation establishment and composition, as well as erosion detection, will have to be coupled with continued follow-up maintenance of rehabilitation and erosion control from commencement of activity up to the decommissioning phase.
- The ultimate objective for rehabilitation should focus on the stabilisation of soil erosion, retaining agricultural potential of transformed areas and /or the establishment of a dense and protective plant cover and the maintenance of habitats to enable vegetation to persist and flourish on rehabilitated areas indefinitely, ultimately relying only on environmental resources.

### 13.1 Map and create management areas

The entire project area must be mapped and divided into management areas indicating:

- Current land cover
  - Roads and residential

- Areas with IAPs, subdivided further in sparse or dense infestations where applicable
- Transformed areas
- Untransformed indigenous vegetation

For every one of the management areas, the project proponent, in consultation with the land users, will have to decide what intervention will be necessary, desirable, and feasible to enable the development of the project and long-term sustainable maintenance of infrastructure. Thus, for every management area, there must be an operational outline on:

- what will happen there
- what needs to be mitigated – including stormwater- and erosion management
- which management units need priority intervention/mitigation
- how will this mitigation/intervention be done (method statements) including schedule of work
- realistic and desirable end states including list of species that should be established to initiate rehabilitation after initial revegetation
- approximate timeframes
- monitoring protocol to evaluate success or failures of interventions
  - establish permanently marked transects and monitor with fixed-point photography who will be responsible for doing what how will different actions be integrated to achieve and maintain or improve the desirable end state of the environment of that management unit

Special attention will have to be given to drainage zones, as these not only have very active morphodynamics but are also distributors of seeds – both indigenous and of IAPs. Thus, clearing a downstream invasion of aliens to enable maintenance of the development will be futile if the upstream IAPs are not cleared or at least aggressively controlled.

### 13.2 Setting realistic rehabilitation goals

Rehabilitation efforts typically aim at improving ecosystem function that consists of a series of processes, which can, in the end, be evaluated against a desired outcome or reference state of the vegetation and environment.

Attainable goals of rehabilitation on the project area should be possible and viable for at least the following:

- Stabilisation of soils
- Stabilisation of riparian areas
- Stormwater reduction through management and wetland integrity
- Clearing of IAPs
  - The degree to which IAPs can be cleared from the project area needs to be determined according to desirability, available project funding, personnel and project requirements
- Restoring and/or rehabilitating vegetative cover on non-transformed areas to obtain an acceptable vegetation cover that can be maintained or persists on its own indefinitely

### 13.3 Remove or ameliorate the case of degradation

This will include:

- Physical rehabilitation of topsoil where it has been removed.
- Topsoil on areas that have not been cultivated are considered as the upper 20 - 30 cm only. These contain the most important nutrients, micro flora and – fauna essential for nutrient cycling processes. Topsoils are also important source of seeds.

- Subsoils and overburden substrata lack the above elements and will first have to be used for physical rehabilitation of landscapes as and where necessary, and then overlain with topsoils.
- Stabilisation of topsoils and prevention of erosion – refer to the Erosion management plan.
- Removal of all invasive vegetation – refer to the Alien Invasive Management Plan
  - Where it is desirable to use brush or logs of the cleared vegetation for soil stabilisation, such material must be free of regenerative material – e.g. seeds or root suckers

### **13.4 Initial Revegetation**

Immediately after clearing of vegetation, the soil surface must be inspected for signs of erosion and stabilised as soon as possible. After completion of construction, such erosion stabilisation should preferably be with a cover of vegetation. A dense initial grass or other perennial cover will be desirable. The appropriate seed mix should be determined in consultation with an ecologist familiar with the area. The aim of the first vegetation cover is to form a protective, relatively dense indigenous layer to slow runoff, increase moisture infiltration into the soil, and gradually change the soil nutrient status in order for it to be more favourable for other desirable indigenous vegetation to become established.

### **13.5 Natural seed banks and improvement of plant structural and compositional diversity**

It is expected that soil seed banks of indigenous vegetation will be present to initiate initial vegetation cover but may not be sufficient to establish an acceptable cover of desirable species. After deciding which indigenous species should be re-introduced, seed should be ideally collected from site or an environmentally-matched site nearby.

Seed collection may be done throughout the year as seed ripens, but can also be restricted to summer, when a large amount of the perennial seed should have ripened. Seeds should be stored in paper, or canvas bags dusted with insecticide and sown at the onset of the rainy season.

Alternatively, slower-growing perennials may be raised from seed or cuttings in a nursery and then transplanted once established. It will be beneficial to investigate if community members would be able to create and maintain such a nursery, or if there are nurseries in the area, that raise indigenous flora from the area.

The final vegetation cover should resemble the original (non-encroached) vegetation composition and structure as far as practicable possible or permissible within each management unit.

#### ***13.5.1 For drainage areas***

- First restore drainage line morphology following the guidelines of the Erosion Management Plan – without that ecological recovery cannot be initiated
- Determine if natural seed sources may be present further upstream
- If such upstream seed sources are still present, rehabilitation of riparian vegetation after soil erosion management will most likely occur naturally, PROVIDED that follow-up monitoring of the establishment of vegetation is carried out, and all invasive species eradicated as they emerge. This can only be achieved with a long-term commitment (> 5 years minimum)
- Should no upstream seed resources be available, suitable species (as determined in consultation with an ecologist) should be sown or planted.

### 13.6 Monitoring and follow-up action

Throughout the lifecycle of the development, regular monitoring and adaptive management must be in place to detect any new degradation of ecosystems affected by the development, and remedy these as soon as detected.

During the construction phase, the ECO and contractor will be responsible for initiating and maintaining a suitable monitoring system. Once the development is operational, the project proponent will have to identify a suitable entity that will be able to take over and maintain the monitoring cycle and initiate adaptive management as soon as it is required. Monitoring personnel must be adequately trained.

The following are the minimum criteria that should be monitored:

- Composition and density of replanted vegetation, distinguishing between species introduced for initial revegetation only and species that are part of the predetermined desirable end state
- Associated nature and stability of surface soils
  - It is recommended that permanent transects are marked and surveyed annually according to the LFA technique (Tongway and Hindley 2004), adapted to integrate both surface soil characteristics and the vegetation to be monitored
- Re-emergence of IAPs
  - If noted, remedial action must be taken immediately according to Working for Water specifications
- Nature and dynamics of riparian zones
  - Stability of riparian vegetation
  - Any form of bank erosion, slumping or undercutting
  - Stability of channel form and width of streams – if this increases, it shows that vegetation on plains and/or riparian areas and upper drainage lines are not yet in a stable enough state to be fully functional in reducing excess runoff, and the ecosystem overall is losing valuable resources

### 13.7 Timeframes and duration

- Rehabilitation will occur during construction, as areas for the re-application of topsoil and revegetation become available or where revegetation can be initiated after clearing of invasives or to stabilise erosion.
- The initial revegetation period post-construction is estimated to be over a period of 6 (minimum) to 12 months (maximum), or a time period specified by the Horticultural Landscape Contractor, particularly if planting of trees and shrubs occurs.
- The rehabilitation phase (including post-seeding maintenance) should be at least 12 months (depending on time of seeding and rainfall) to ensure establishment of an acceptable plant cover is achieved (excluding invasive plant species or weeds).
- If the plants have not established and the acceptable plant cover is not achieved within the specified maintenance period, maintenance of these areas shall continue until an acceptable plant cover is achieved (excluding alien plant species or weeds).
- Additional seeding or planting may be necessary to achieve acceptable plant cover. Hydroseeding may have to be considered as an option in this case.
- Any plants that die, during the maintenance period, shall be replaced by the Horticultural Landscape Contractor (at the Horticultural Landscape Contractor's cost if it was due to insufficient maintenance).
- Succession of natural plant species should be encouraged
- Monitoring of rehabilitation success and follow-up adaptive management, together with clearing of emerging invasives shall be carried on until the decommissioning phase has been completed.



## 14 OPEN SPACE MANAGEMENT PLAN

The objective of open space management is to restore, enhance and rehabilitate open spaces, improve climate change adaptations through the minimisation of biodiversity loss, and mitigate against environmental degradation. Management actions consider open spaces and natural areas as well as community perceptions of these.

In the context of the proposed grid connections and substations, the primary purpose of the open plan management plan is therefore to:

- Minimise visual impact on the character of the area; and
- Maintain biodiversity within the area to ensure that no long-term negative impacts occur on the local environment.

The proposed grid connections and associated infrastructure have the potential to impact negatively on the character of the area, as identified in the Visual Impact Assessment conducted during the EIA phase. The following actions must be implemented to minimise this visual impact:

- Grid connection route to avoid visually sensitive peaks, major ridgelines, scarp edges and slopes steeper than 1:5 gradient.
- Substation to be sited in unobtrusive low-lying areas, away from roads and habitations, and screened by berms and/or tree-planting where feasible.
- Operations and maintenance buildings and parking areas to be located in an unobtrusive area and consolidated to avoid sprawl of buildings in the open landscape.
- Access roads to be in sympathy with the contours, avoid steep 1:5 slopes and drainage courses, and kept as narrow as possible.
- Access and haul roads to use existing farm tracks as far as possible.
- Construction camp, stockpiles and lay-down area to be located out of sight of district roads, possibly in the vicinity of the proposed substation and O&M buildings.
- Disturbed areas rather than pristine or intact land to preferably be used for the construction camp. Construction camp and laydown areas to be limited in area to only that which is essential.
- Measures to control wastes and litter to be included in the contract specification documents.
- Provision to be made for rehabilitation / re-vegetation of areas damaged by construction activities.

In order to maintain biodiversity, the Alien Invasive, Plant Rescue and Protection and Revegetation and Habitat Management Plans must be adhered to.

In addition, the following actions should be implemented by the Contractor and Project Company:

- Promote environmental awareness in all employees and sub-contractors and create an understanding of the environmental sensitivities of the project site;
- No waste, including organic matter, may be disposed of anywhere on site, except in provided bins placed at convenient locations, especially during the construction period. Disciplinary actions should be taken against littering;
- Open spaces are to be kept free of alien plants and weeds;
- Indigenous plants may not be collected or removed from the site;
- Access to the facility should be strictly controlled;
- All visitors and contractors should be required to sign-in;
- Signage at the entrance should indicate that disturbance to fauna and flora is strictly prohibited.

The following activities should not be permitted by anyone except the landowner or his representatives:

- No fires within the site
- No hunting, collecting or disturbance of fauna and flora, except where required for the safe operation of the facility and only by the Environmental Officer on duty and with the appropriate permits and landowner permission.
- No driving off of demarcated roads
- No interfering with livestock

#### 14.1 Grazing Management

The development of the wind energy facility will not prevent the site from being used for its current land-use of extensive livestock production. Extensive livestock grazing is compatible with biodiversity maintenance provided that it is implemented according to the basic principles of sustainable grazing management. While the majority of these are beyond the scope of the current plan, the following basic principles should be adhered to:

- A grazing management plan for the site should be developed in cooperation with Agricultural Extension services.
- The stocking rate applied should be within the recommended limits, as identified by the Department of Agriculture.
- Livestock should be rotated through the different paddocks at the site in a manner which allows for the growth and recovery of the vegetation between grazing events.
- Precautions should be taken to ensure that the development of the site does not increase the risk of stock theft within the facility. These include access control as previously described, as well as security patrols.

### 15 TRAFFIC MANAGEMENT PLAN

The objective of the traffic management plan is the prevention of incidents from the use of vehicles and disturbance of local traffic on public roads during the construction, operation and decommissioning phases of the proposed projects. Traffic volumes are most likely to increase during the construction phase. However, due to the remote location of the site, and the low volume of traffic on public roads in the area, the impact is expected to be low.

The Hartebeesthoek West WEF must be accessible to passenger cars, buses, trucks and abnormal multi-vehicle combinations which will be delivering WT components. Access to the site needs to be safe and practical to minimise the risk of pedestrian and vehicle accidents through:

- The provision of adequate traffic control; and
- Clear visibility by ensuring sufficient stopping sight distances and sufficient markings and warnings signs.

A specialist study was conducted to determine, what impact, if any the proposed development will have on the existing traffic in the area.

The report has the following recommendations:

- A comprehensive route assessment of the entire route is recommended should the project be awarded to a preferred bidder as part of the REIPPP process.
- Scheduling abnormal and heavy vehicle transport by proper distribution of arrivals and departure to avoid high numbers of vehicles arriving at once.
- Access point D is recommended as the preferred access position based on safety considerations.
- It is recommended that access points control be priority controlled, with the higher category road as a priority.
- Roads are widened to allow for incorporating the turning circles of the expected abnormal vehicles at access points.

- It is recommended that access points have dedicated right turning lanes and dedicated left-turn deceleration lanes if the access point is to the left of roadway.
- Provision must be made for 500 m acceleration lanes to allow trucks turning onto the main road to accelerate before entering the traffic stream.
- Provision must be made for clear warning road markings and signage on both sides of both approaches of access points.
- Traffic accommodation measures during temporary roadwork's/closures must be implemented as per the South African Road Traffic Signs Manual.
- In addition, allowance must be made for public transport vehicle lay byes preferably on the road verge away from the roadway, as well as safe pedestrian crossings on the minor access road.
- Clearances permits will be required for the transport of the WT components.
- It is recommended that applications for Abnormal Permits be lodged to the Department of Transport and Public Works, Eskom and Telkom.

Providing access from the national roads will potentially impact the mobility of the road and cause speed differentials between high-speed through traffic travelling along the national roads and vehicles turning into the development site. This has negative safety implications.

Access A and B are not suitable as they pose safety concerns either because of their site distance lines being inadequate and/or not meeting access spacing requirements. Also, that section or road experiences dangerous high vehicle speeds.

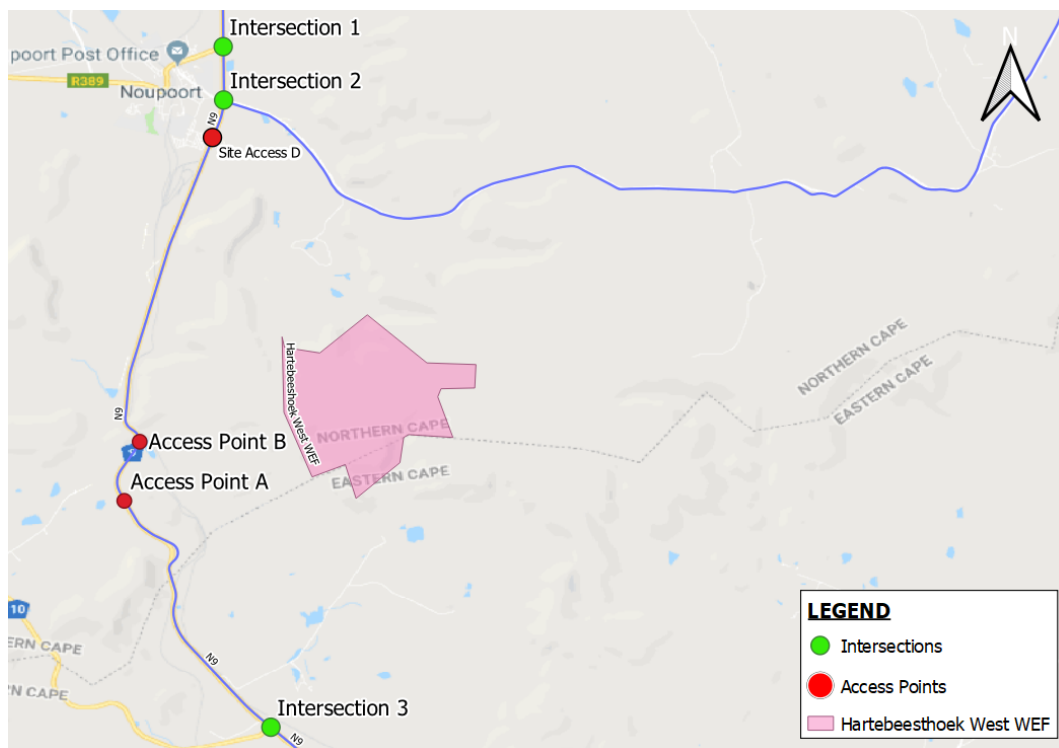
Access D off the N9 has sufficient accessibility and visibility and is already an existing intersection, despite it not meeting minimum intersection spacing requirements. The minimum spacing requirements for intersections with a Rural Class 1 road, as defined by the TRH26: South African Road Classification and Access Management Manual, is 8 km from the centrelines of the connecting intersections. There are some safety issues at Access D due to the expected speed differential. Access D will require clear warning road markings and signs.

Based on the analysis, Access D is preferred to provide access to the site.

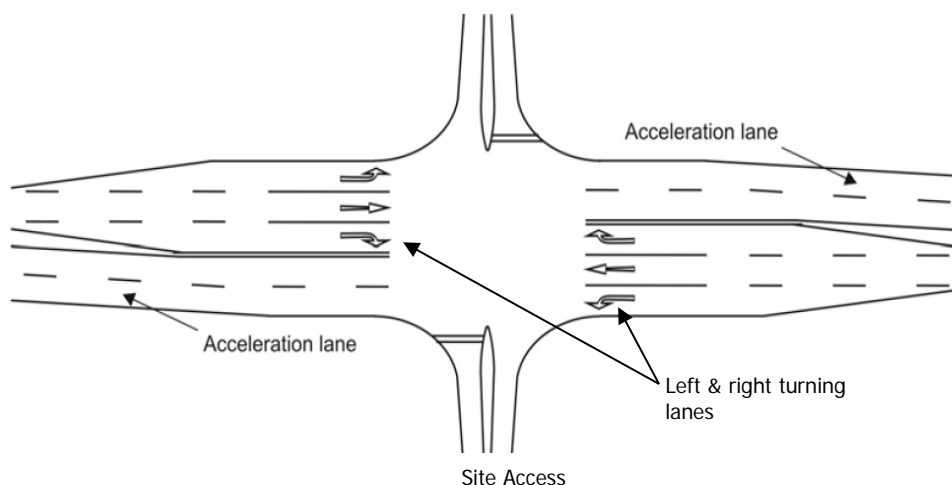
It is recommended that the access points/intersections into the site:

- Be priority controlled, with the higher category road as a priority;
- Be widened to allow and incorporate the turning circles of the expected abnormal vehicles;
- Have dedicated right-turning lanes;
- Have dedicated left-turn deceleration lanes if the access point is to the left of roadway;
- Have 500 m acceleration lanes to allow trucks turning onto the main road to accelerate before entering the traffic stream.

An example of the recommended intersection layout is illustrated in Figure 15.2.



**Figure 15.1: Site Access Options to Hartebeesthoek West WEF**



**Figure 15.2: Site Access Option for a priority control four-way intersection (Access D)**

Actions to be implemented by the Contractor and Project Company:

- Site-specific traffic plan to be developed and implemented during the detailed design phase prior to construction;
- Limit use of private cars by arranging minibus transport service for workers;
- Monitor for overloading of vehicles;
- Use only well trained, suitably qualified and experienced drivers in possession of an appropriate and valid driver's license;
- All vehicles must be roadworthy and serviced regularly;
- Clear and visible signage must be placed on and around site, clearly demarcating safe entry and exit points;

- Require all drivers to abide by standard road and safety procedures on-site;
- When travelling on public roads all speed limits and rules of the road must be adhered to; and
- Limit dust generation by applying dust suppressants and postponing dust-generating activities during period of strong winds and enforcing a strict speed limit of 40 km/h on unpaved roads.

Monitoring actions to be conducted by the ECO:

- Maintain incidents/complaints register for community complaints; and
- Monitor dust generation and implementation of management actions detailed above.

## 16 TRANSPORTATION MANAGEMENT PLAN

The Transportation Management Plan aims to ensure the safe transportation of all components required for the construction of the proposed project to the construction site. This includes the turbines, substation transformers, electrical cables and pylon structures.

As part of the Traffic Management Study that was undertaken for the development, the following regarding transportation management must be considered and implemented:

Transport requirements for the WEF project will require the use of abnormal load vehicles as stipulated in the TRH 11, especially in the construction phase of the project for the delivery of construction materials and turbine components. Very little to no special transport will be required during the remainder of the development phases as standard transport will be used.

All WT components are considered to be abnormal loads, either through length, weight or height, usually comprising of 3 tower sections, 1 hub, 1 nacelle and 3 blades. These require different truck/trailer combinations and configurations to be transported. These issues will be investigated at a later stage when the transporting contractor and the plant hire companies apply for the necessary permits from the permit issuing authorities. The heaviest component of a wind turbine is the nacelle (approximately 67 to 85 tons depending on manufacturer and design of the unit). Combined with road-based transport, it has a total vehicle mass of approximately 130 000 kg (for the 85-ton unit). Thus, route clearances and permits will be required for transporting the nacelle by road-based transport.

Blades are the longest component, ranging between 45 – 75 m, and need to be transported on a specially imported extendible blade transport trailer or in a rigid container with rear steerable dollies. The blades can be transported individually, in pairs or in three's although different manufacturers have different methods of packaging and transporting the blades. Where required, existing public roads may need to be upgraded along the proposed equipment transport route to allow for the transportation and delivery of wind turbine components and other associated infrastructure components. The national roads on the potential national access routes are generally of a high standard, and many of the structures have been assessed for load-bearing capacity and height clearance in the past. Turbine supplier/s or the contractor selected for implementation would be responsible for the transportation of wind turbine components to site. A complete transportation management plan will be undertaken prior to construction, should the project be awarded preferred bidder status.

### 16.1 Permit requirements

In transportation of loads, the following guidelines are available. According to the TRH 11, the expected load dimensions are classified as abnormal load. Therefore an exemption permit for each province that the load has to transit is required.

Provision for the type of abnormal loads in this development is made in the National Road Transport Act (NRTA), and specifically in Section 81 of the NRTA, which reads as follows:

*“Vehicle and load may be exempted from provisions of Act*

*An MEC may, subject to such conditions as upon payment of such fees or charges as he or she may determine, authorise in writing, either generally or specifically, the operation on a public road of a vehicle which does not comply with the provisions of this Act or the conveyance on a public road of passengers or any load otherwise that in accordance with the provisions of this Act.”*

When the movement of an abnormal load is considered to be in the economic and/or social interest of the country, an exemption permit may be issued to allow a vehicle(s) transporting such an abnormal load to operate on a public road for a limited period. The fundamental principles guiding this process are:

- An exemption permit for an abnormal load will only be considered for an indivisible load, abnormal in dimension and/or mass, where there is no possibility of transporting the load in a legal manner.
- The risks to other users must be reduced to a level equivalent to what it would be without the presence of the abnormal vehicle on the road; and
- The conditions imposed must take the economic and/or social interest of the country and public at large into account.

## 16.2 Types of Abnormalities

The WEF is anticipated to carry loads that are considered to be indivisible, can be abnormal either dimensionally or abnormal in mass or abnormal both dimensionally and in mass.

The following is the Legally Permissible Maximum Dimensions / Mass:

**Length-** Truck & Semi-trailer (Tri-Axle) Overall length of combination (Including load projections) -18.50m. Superlink (6m + 12m trailers) Overall length of combination (No load projections) –22.00m.

**Width** -2.60 m.

**Height-** 4.30 m measured from the ground. Height of conventional trailer is 1.60m from ground to trailer deck. Therefore, the permissible height of load is 2.70m.

**Weight-** 13.50m Tri-Axle 28 Ton / 15.00m Tri-Axle 30 Ton. Superlink 34 Ton gross (6.00m –10 / 12 Ton & 12m –24 / 22 Ton)

The WEF components are classified as an Abnormal Load and will necessitate the application to the Department of Transport and Public Works for a permit authorising the conveyance of said load.

With the required permits in place, the following escort vehicles (whether it is the clients own escort vehicles or provincial traffic officer) will be necessary to escort the transportation of abnormal loads. The anticipated escort vehicles are presented in Table 16-1.

It must be noted Loads with a height of 4.70m measured from the ground require –1 x Own Escort vehicle. For loads of 5.50m + high Telkom & Eskom Clearances are required for the lifting of overhead lines. Upon final selection of WT models to be used, the exact amount of escort vehicles can be determined.

**Table 16.1: Escort Vehicles**

	Details	Escort Vehicles

Tower	Length: 150 m	3 Tower sections/WT 2 x Provincial Traffic Escorts (subject to width of load)
Rotor	Blade Length: 75 m Hub	3 Blades/WT Connected to 1 Hub/WT 2 x Provincial Traffic Escorts (subject to width of load)

### 16.3 SANRAL Consultation

Consultation took place with SANRAL on 9 January 2018. It was established that:

- SANRAL's Western Region (head office in Cape Town, Western Cape) is responsible for the section of the N9 where the access points are proposed (accesses are located in the Northern Cape). The project manager of this section of the N9 is Mr Deriek Wilson - 021 957 4600.
- The client needs to submit the TIA, a plan indicating existing intersections and layouts as well as planned intersections and proposed layouts produced by the applicant to SANRAL for approval should the project be awarded.
- This TIA needs to be submitted to SANRAL's statutory control section – Ms Colene Runkel ([runkelc@nra.co.za](mailto:runkelc@nra.co.za)).
- SANRAL may then request additional information as required.
- SANRAL's Southern Region (head office in Port Elizabeth, Eastern Cape) will be responsible for the remainder of the N9 route to/from the site and Port Elizabeth and will have to be consulted for any route determination requirements, which are not included in this scope of works. The project manager for the N9 between Graaff-Reinet and Carlton Heights is Mr Danford Adams - 041 398 3200.

The following actions should be implemented by the developer and Contractor:

- Apply for all relevant permits for abnormal loads and route clearances with the relevant authorities prior to construction;
- Appoint a qualified specialist to conduct a detailed site-specific Transport Risk Assessment during the detailed design phase and prior to construction;
- Determine the pre-construction condition of the road immediately prior to construction by carrying out a condition assessment or from recent pavement management system condition assessments if available from the Provincial Authorities;
- Public notices regarding any planned abnormal load transports must be placed at the construction site to inform affected parties;
- Abnormal loads must conform with legal maximum dimensions, and vehicles carrying abnormal loads must display sufficient signage;
- Any roads damaged during the transportation of components, or from other construction vehicles must be rehabilitated and returned to pre-construction conditions.

The following monitoring activities should be carried out by the ECO:

- Conduct site audits and report non-compliance with the above-mentioned conditions

## 17 STORMWATER MANAGEMENT PLAN

The objective of the stormwater management plan (SWMP) is to prevent increased soil erosion, to contain any contaminated run-off and to avoid waterlogging and pollution. The Erosion Management Plan (see below) must, therefore, be seen in conjunction with the SWMP. Actions are listed that will ensure that stormwater is channelled in a controlled manner from roads and substations towards natural drainage lines, without impeding natural surface flows.

- Develop and implement a site-specific stormwater management plan during the detailed design phase of the projects and prior to construction;
- In the detailed design phase of the project minimise any water crossings and utilise existing roads wherever possible;
- Enforce 32 m construction buffers of all rivers, streams and waterbodies;
- Should new roads be required to cross any banks or channels these must be secured with erosion protection (i.e. gabions etc.);
- Monitor for erosion during the clearing of vegetation;
- Avoid hard-engineered surfaces (i.e. construct gravel roads and not asphalt roads wherever possible);
- Roads in steep areas must be equipped with side drainages and culverts that channel the run-off to natural drainage lines without gaining velocity and causing erosion;
- Construction camps and temporary ablution facilities must be located beyond the 1:100 year flood line;
- Stockpiles must be located on flat areas and protected from erosion;
- The substation site design must include side water outlets and an adequate slope to allow stormwater run-off from the paved areas;
- Prevent surface run-off from areas of potential contamination.

## 18 EROSION MANAGEMENT PLAN

### 18.1 Purpose

The purpose of the erosion management plan is to implement avoidance and mitigation measures to reduce the erosion potential and the likely impact of erosion associated with the construction and operational phases of the proposed facility. As part of the management plan, measures to protect hydrological features from erosion damage are included.

### 18.2 Scope and Limitations

This plan is intended at introducing measures aimed at reducing the negative impacts of erosion on biodiversity as well as reducing the vulnerability of the site to erosion problems during the construction and operational phases of the development. The focus is on managing runoff and reducing the construction phase impact on ecologically sensitive areas. The plan does not cover engineering-side issues which are of relevance to soil management and erosion. Therefore, issues such as the potential presence of heaving clays, compressible soils, perched water tables, dispersive soils and corrosive groundwater at the site are beyond the general scope of this study and are not directly dealt with. These issues would need to be addressed and their relevance assessed during detailed geotechnical investigation of the site.

### 18.3 Background

#### 18.3.1 Types of Erosion

Erosion comes in several forms, some of which are not immediately obvious. The major types of erosion are briefly described below:

##### *Raindrop impact*

This is the erosion that occurs due to the “bomb blast” effect of raindrop impact. Soil particles can be blasted more than a meter into the air. Apart from loosening soil particles, the effect can also break soil aggregates apart and form a clay seal on the surface which resists infiltration and results in increased levels of runoff. This effect is most important when large areas of exposed soils are present. If the site is cleared, then this effect will



play an important role as it results in the soil surface becoming sealed, which reduces infiltration and increases runoff, leading to erosion.

#### *Sheet Erosion*

This is the removal of a shallow and uniform layer of soil from the surface. It is caused initially by raindrop splash and then by runoff. Sheet erosion is often difficult to see as no perceptible channels are formed. Accumulated sediment at the bottom of the slope is often the only indicator. This is likely to be an important erosion type at the site given the gently sloping nature of the site and the susceptible soils.

#### *Rill Erosion*

This is the removal of soil from the surface whereby small channels or rills up to 300 mm are formed. It is caused by runoff concentrating into depressions, wheel tracks etc.

#### *Gully Erosion*

This is the removal of soil from the surface and sub-surface caused by concentrated runoff eroding channels greater than 300mm deep. Gully erosion often begins as rill erosion.

#### *Wind Erosion*

Wind erosion results from soil particles being picked up, bounced or moved by the wind. Wind erosion is primarily a problem in arid areas and may affect sands soils as well as fine-textured soils. Vegetation cover is usually an effective barrier to wind erosion, but large soils losses or degradation can occur in disturbed areas or on croplands.

### **18.3.2 Promoting Factors**

#### *Rainfall Characteristics*

High-intensity, short-duration storm events have much greater erosion potential than low intensity, longer duration storm events with the same runoff volume. Intense storms produce larger raindrops and are more likely to break up the soil and dislodge particles.

#### *Soil erodibility*

Soil erodibility is determined by the soils ability to resist detachment and transport due to rainfall, runoff and infiltration capacity. Well-structured soils with a high clay content are generally least erodible. Some clays are dispersible meaning that they break down when wet and become highly erodible. Silts and fine sands are highly erodible.

#### *Length and Steepness of Slope*

Steeper slopes cause runoff velocities to increase, resulting in increased erosion. As the slope length increases the opportunity for runoff to concentrate and achieve an erosive velocity increases.

#### *Soil Surface Cover*

Soil surface cover such as vegetation and mulch protect the soil surface from raindrop impact, reduce flow velocity, disperse flow, and promote infiltration and the deposition of sediment. This is a basic principle underlying many erosion control approaches which aim to modify the surface characteristics in order to reduce the flow velocity and reduce the potential for erosion. In this regard, it is important to note that many of the practices which are used to enhance rehabilitation potential are also useful in reducing erosion potential.

### ***18.3.3 Erosion and Sediment Control Principles***

The goals of erosion and sediment control during and after construction at the site should be to:

- Protect the land surface from erosion.
- Intercept and safely direct run-on water from undisturbed upslope areas through the site without allowing it to cause erosion within the site or become contaminated with sediment.
- Progressively revegetate or stabilise disturbed areas.
- Prevent damage to hydrological features such as drainage lines or wetlands, either within or adjacent to the site.

These goals can be achieved by applying the following principles:

1. Integrate project design with site constraints.
2. Plan and integrate erosion and sediment control with construction activities.
3. Minimise the extent and duration of disturbance.
4. Control stormwater flows onto, through and from the site in stable drainage structures.
5. Use erosion controls to prevent on-site damage.
6. Use sediment controls to prevent off-site damage.
7. Control erosion and sediment at the source.
8. Stabilise disturbed areas promptly.
9. Inspect and maintain control measures.

### ***18.3.4 On-site Erosion Management***

Exposed and unprotected soils are the main cause of erosion in most situations. Therefore, the erosion management plan and the revegetation and rehabilitation plan should be closely linked to one another and should not operate independently but should rather be seen as complementary activities within the broader environmental management of the site and should, therefore, be managed together.

General factors to consider regarding erosion risk at the site include the following:

- Soil loss will be greater during wet periods than dry periods. Intense rainfall events outside of the wet season, such as occasional unseasonal showers can also, however, cause significant soil loss. Therefore, precautions to prevent erosion should be present throughout the year.
- Soil loss is related to the length of time that soils are exposed prior to rehabilitation or stabilization. Therefore, the gap between construction activities and rehabilitation should be minimized. Allied to this the fact that topsoil does not store well and should preferably be used within a month or at most within 3 months to aid in the revegetation and rehabilitation of disturbed areas.
- Phased construction and progressive rehabilitation are important elements of the erosion control strategy.
- The extent of disturbance will influence the risk and consequences of erosion. Therefore, large areas should not be cleared at a time, especially in areas such as slopes where the risk of erosion is higher.

## **18.4 Concentration of flows into downstream areas**

Road crossings over drainage lines, streams and wetlands can impact downstream wetland ecosystems. Crossings that result in narrowing of the downstream system can result in

concentration of flows and channelisation downstream. This may result in a loss of wetland function and result in the drying out and shrinkage of the wetland area. Erosion and increased vulnerability to invasion of drier banks by alien vegetation may occur.

- Culverts should be adequately spaced such that they do not result in shrinkage of downstream wetlands. Where roads cross minor drainage channels, a single culvert may be adequate, aligned with the downstream drainage line. Where more substantial wetland systems are intercepted by a road, sufficient culverts should be provided such that downstream shrinkage of wetland width does not occur.
- Moreover, culverts should be aligned, as far as impossible, with existing, natural channels.
- All crossings of drainage systems should ensure that both surface and shallow subsurface flows can be accommodated where appropriate and that unnatural channelisation does not occur downstream.

## 18.5 Runoff Concentration

The increase in hardened surfaces associated with roads, and other infrastructure will lead to a significant increase in volume and velocity of flow generated from these areas during large rainfall events.

Runoff from road surfaces is usually channelled off of the road surface towards the downslope side of the road. On steep slopes, the volumes and velocity of runoff generated may result in erosion of the surrounding areas. Therefore, specific measures to curb the speed of runoff water is usually required in such areas, such as rock beds or even gabions. In addition, these areas should be monitored for at least a year after construction to ensure that erosion is not being initiated in the receiving areas. Once erosion on steep slopes has been initiated, it can be very difficult to arrest.

### 18.5.1 Diversion of Flows

Diversion of flows from natural drainage channels may occur when roads interrupt natural drainage lines, and water is forced to run in channels along the manipulated road edge to formalized crossing points. Even slight diversion from the natural drainage line can result in excessive downstream erosion, as the new channel cuts across the slope to reach the valley bottom. Should the access road to the site traverse any major drainage lines, the following principles should apply:

- Adequate culverts should be provided along the length of all roads to prevent diversion of flow from natural drainage lines.
- Culverts should be carefully located, such that outlet areas do in fact align with drainage lines.
- The downstream velocity of runoff should be managed, such that it does not result in downstream erosion – on steep slopes, where roads have been constructed on cut areas, allowance should be made for culverts to daylight sufficiently far down the slope that their velocities are managed, and erosion does not occur.
- Where necessary, anti-erosion structures should be installed downstream of road drains – these may comprise appropriate planting, simple riprap or more formal gabion or other structures.
- Roads and their drainage system should be subject to regular monitoring and inspection, particularly during the wet season, so that areas where head cut erosion is observed can be addressed at an early stage.

## 18.6 Monitoring Requirements

### 18.6.1 Construction Phase

The following monitoring actions should be implemented during the construction phase of the development:

Monitoring Action	Indicator	Timeframe
Identify all river and drainage line crossings affected by the development	Map of sites of potential concern	Preconstruction
Monitor cleared areas for erosion problems	Record of monitoring site, problems encountered, and remedial actions implemented	Monthly during the rainy season and following significant rainfall events otherwise
Monitor vegetation clearing activities near sensitive areas such as wetlands or drainage lines	Activity log of monitoring actions and any mitigation and avoidance measures implemented	Monthly during the rainy season and following significant rainfall events otherwise
Monitor revegetated and stabilised areas	Record of monitoring site, problems encountered, and remedial actions implemented	Monthly during the rainy season and following significant rainfall events otherwise

### 18.6.2 Operational Phase

The following monitoring actions should be implemented during the operational phase of the development:

Monitoring Action	Indicator	Timeframe
Monitor for the development of new erosion problems across the site, with a focus on areas where water has been diverted or collected from upslope onto downslope areas	Map of erosion problem areas	Quarterly
Document erosion control measures implemented	Records of control measures and their success rate.	Quarterly
Document the extent of erosion at the site and the remedial actions implemented	Decline in erosion and vulnerable bare areas over time	Biannually

## 19 FIRE MANAGEMENT PLAN

The National Veld and Forest Fires Act states that it is the landowner's responsibility to ensure that the appropriate equipment as well as trained personnel are available to combat fires.

Although fires are not a regular occurrence at the site, fires may occasionally occur under the right circumstances. Ignition risk sources in the area include the following:

- Lightning strikes
- The railway line which runs in a north-south direction to the site
- Personnel within the facility
- Infrastructure such as transmission lines

### 19.1.1 Firebreaks

Extensive firebreaks are not recommended as a fire risk management strategy at the site. The site is very large compared to the extent of the infrastructure, and the maintenance of firebreaks would impose a large management burden on the operation of the facility. In addition, the risk of fires is not distributed equally across the site and within many of the lowlands of the site, there is not sufficient biomass to carry fires, and the risk of fires within these areas is very low. Rather targeted risk management should be implemented around vulnerable or sensitive elements of the facility such as substations or other high risk components. Within such areas, the extent over which management action needs to be applied is relatively limited, and it is recommended that firebreaks are created by mowing and that burning to create firebreaks is not used as this in itself poses a risk of runaway fires. Where such firebreaks need to be built such as around substations, a strip of vegetation 5 - 10 m wide can be cleared manually and maintained relatively free of vegetation through manual clearing on an annual basis. However, if alien species colonise these areas, more regular clearing should be implemented.

## 20 BAT MANAGEMENT PLAN

Currently the most effective method of mitigation, after correct turbine placement, is alteration of blade speeds and cut-in speeds under environmental conditions favourable to bats.

A basic "6 levels of mitigation" (by blade manipulation or curtailment), from light to aggressive mitigation is structured as follows:

1. No curtailment (free-wheeling is unhindered below manufacturer's cut-in speed, so all momentum is retained, thus normal operation).
2. Partial feathering (45-degree angle) of blades below manufacturer's cut-in speed in order to allow the free-wheeling blades half the speed it would have had without feathering (some momentum is retained below the cut in speed).
3. Ninety degree feathering of blades below manufacturer's cut-in speed, so it is exactly parallel to the wind direction as to minimize free-wheeling blade rotation as much as possible without locking the blades.
4. Ninety degree feathering of blades below manufacturer's cut-in speed, with partial feathering (45-degree angle) between the manufacturers' cut-in speed and mitigation cut-in conditions.
5. Ninety degree feathering of blades below mitigation cut in conditions.
6. Ninety degree feathering throughout the entire night.

**It is recommended that curtailment be applied from the start of operation at Level 3 on all turbines for every night of the year from dusk until dawn.**

Should robust and scientifically defensible data gathered during the operational study phase reveal higher bat mortalities than currently anticipated, the mitigations in Table 20-1 should be applied to the turbines identified as causing the highest impacts. Such curtailment specified in Table 20-1 will have to be at a maximum of Level 5. The turbine layout avoids all High and Moderate bat sensitivities and their buffers.

Table 20-1 below is based on the passive data collected. They infer mitigation be applied (only when needed as described above) during the peak activity periods and times, and when the advised wind speed and temperature ranges are prevailing simultaneously, considering conditions in which 80% of bat activity occurred (normalised data). Bat activity at 50m height were used, with wind speed data at 50 m and temperature data at 37.5 m.

**Table 20.1: The periods and weather conditions for implementation of mitigation**

	Terms of mitigation implementation
<b>Peak activity (times to implement curtailment/ mitigation)</b>	1 - 31 October; sunset – 00:00 (midnight)
<b>Environmental conditions in which to implement curtailment/ mitigation</b>	Wind speed below 7m/s <i>and simultaneously</i> Temperature above 14.5°C
<b>Peak activity (times to implement curtailment/ mitigation)</b>	15 February – 31 March; sunset – 00:00 (midnight)
<b>Environmental conditions in which to implement curtailment/ mitigation</b>	Wind speed below 6.5m/s <i>and simultaneously</i> Temperature above 15.5°C

## 21 AVIFAUNA MANAGEMENT PLAN

The avifauna monitoring and management plan must be implemented during the construction and operation of the facility. This plan must be drafted by a suitably qualified avifauna specialist.

Activity	Mitigation and Management Measure	Responsible Person	Applicable Development Phase	Include as Condition of Authorisation	Monitoring requirements
Displacement of priority species due to <u>disturbance</u> during construction operations	<p>1) A site-specific Environmental Management Plan (EMP) must be implemented, which gives appropriate and detailed description of how construction activities must be conducted. All contractors are to adhere to the EMP and should apply good environmental practice during construction.</p> <p>2) Environmental Control Officer (ECO) to oversee activities and ensure that the site-specific EMP is implemented and enforced via regular inspections.</p> <p>3) The ECO must be trained by the avifaunal specialist to identify the potential priority species as well as the signs that indicate possible breeding by these species. The ECO must then, during audits/site visits, make a concerted effort to look out for such breeding activities of Red Data species, and such efforts may include the training of construction staff to identify Red Data species, followed by regular questioning of staff as to the regular whereabouts on site of these species. If any of the Red Data species are confirmed to be breeding (e.g. if a nest site is found), construction activities within 500 m of the breeding site must cease, and an</p>	ECO and Avifaunal specialist	Construction	Yes	If a priority species nest is discovered during the construction phase, the ECO must conduct weekly inspections of the nest to monitor the breeding effort, in consultation with the avifaunal specialist.

Activity	Mitigation and Management Measure	Responsible Person	Applicable Development Phase	Include as Condition of Authorisation	Monitoring requirements
	<p>avifaunal specialist is to be contacted immediately for further assessment of the situation and instruction on how to proceed.</p> <p>3) Prior to construction, an avifaunal specialist should conduct a site walkthrough, covering the final road and power line routes as well as the final turbine positions, to identify any nests/breeding/roosting activity of priority species. The results of which may inform the final construction schedule in close proximity to that specific area, including abbreviating construction time, scheduling activities around avian breeding and/or movement schedules, and lowering levels of associated noise.</p> <p>4) During the construction phase, the avifaunal specialist must conduct surveys/exploration of the WEF site (particularly focusing on potential Verreaux's Eagle roost sites as well as suitable nesting habitat). This should be done during and after, the breeding season (i.e. approximately in July and again in September). The aim will be to locate any new nest sites, so that these may be monitored during the</p>				
Displacement of priority species due to <u>habitat transformation</u> during construction phase	1) A site-specific Environmental Management Plan (EMP) must be implemented, which gives appropriate and detailed description of how construction activities must be conducted to reduce unnecessary destruction of	ECO Avifaunal specialist Rehabilitation specialist	Construction	Yes	ECO to oversee activities and ensure that the site-specific EMP is implemented and enforced via regular inspections;



Activity	Mitigation and Management Measure	Responsible Person	Applicable Development Phase	Include as Condition of Authorisation	Monitoring requirements
	<p>habitat. All contractors are to adhere to the EMP and should apply good environmental practice during construction. EMP should include the following:</p> <ul style="list-style-type: none"> <li>• Existing roads and farm tracks should be used where possible;</li> <li>• The minimum footprint areas of infrastructure should be used wherever possible, including road widths and lengths;</li> <li>• No off-road driving;</li> <li>• ECO to hold regular inspections ensure that the EMP is implemented and enforced;</li> <li>• Any clearing of stands of alien trees on site should be approved first by the avifaunal specialist.</li> <li>• Following construction, rehabilitation of all areas disturbed (e.g. temporary access tracks and laydown areas) must be undertaken, and to this end a habitat restoration plan is to be developed by a rehabilitation specialist and included within the EMP.</li> </ul>				

Activity	Mitigation and Management Measure	Responsible Person	Applicable Development Phase	Include as Condition of Authorisation	Monitoring requirements
<p>Priority species mortality due to collisions with the <u>turbines</u></p>	<p>1) Mortality thresholds should be determined by the avifaunal specialist in consultation with BirdLife SA, for priority species recorded during the pre-construction monitoring, prior to the wind farm becoming operational.</p> <p>1) Once the turbines have been constructed, operational monitoring should be implemented under the guidance of an avifaunal specialist to assess collision rates, in accordance with the latest version of the Best practice guidelines for avian monitoring and impact mitigation at proposed wind energy development sites in southern Africa.</p> <p>3) If collision rates indicate mortality exceeding threshold levels of priority species, curtailment must be implemented during high risk periods. These periods, and the number of turbines to be curtailed, will be determined by the avifaunal specialist in consultation with the wind farm management.</p> <p>4) Regular inspections must be conducted by the ECO to ensure that rock piles are removed from site or covered with topsoil to prevent them from becoming habitat for Rock Hyrax (Dassie) <i>Procavia capensis</i>.</p>	<p>Wind farm management, ECO, and avifaunal specialist (in consultation with BirdLife SA)</p>	<p>Operational</p>	<p>Yes</p>	<p>Once the turbines have been constructed, operational monitoring should be implemented under the guidance of an avifaunal specialist to assess collision rates, in accordance with the latest version of the Best practice guidelines for avian monitoring and impact mitigation at proposed wind energy development sites in southern Africa.</p>
<p>Priority species mortality due to collision with the on-site powerlines</p>	<p>1) An avifaunal specialist must conduct a site walkthrough of final pylon positions prior to construction to determine if, and where, bird flight diverters (BFDs) are required.</p>	<p>Avifaunal specialist</p>	<p>Operational</p>	<p>Yes</p>	<p>The operational monitoring programme must also include quarterly monitoring of the overhead power lines for collision mortalities.</p>

Activity	Mitigation and Management Measure	Responsible Person	Applicable Development Phase	Include as Condition of Authorisation	Monitoring requirements
	<p>2) Bird flight diverters must be installed as per the instructions of the specialist following the site walkthrough, which may include the need for modified BFDs fitted with solar-powered LED lights on certain spans.</p> <p>3) The operational monitoring programme must include quarterly monitoring of all overhead power lines for collision mortalities, with a view to mark additional spans with BFDs if necessary.</p>				
Priority species mortality due to electrocution on the on-site powerlines	1) An avifaunal specialist must certify that the pole structures to be used on the internal MV network is bird-friendly.	Avifaunal specialist	Design	Yes	The operational monitoring programme must also include quarterly monitoring of the overhead power lines for electrocution mortalities.
Displacement of priority species due to disturbance during decommissioning operations	<p>1) A site-specific Environmental Management Plan (EMP) must be implemented, which gives appropriate and detailed description of how decommissioning activities must be conducted to reduce unnecessary destruction of habitat. All contractors are to adhere to the EMP and should apply good environmental practice during decommissioning.</p> <p>2) Following decommissioning, rehabilitation of all areas disturbed must be undertaken, and to this end a habitat restoration plan is to be developed by a rehabilitation specialist and included within the Environmental Management Plan (EMP).</p>	Site management Rehabilitation specialist	Decommissioning	Yes	None

## 22 NOISE MANAGEMENT PLAN

Environmental Noise Measurement can be divided into two distinct categories, namely:

- Passive measuring – the registering of any complaints (reasonable and valid) regarding noise; and
- Active measuring – the measurement of noise levels at identified locations.

No active environmental noise monitoring is recommended due to the low significance for a noise impact to develop. However, should a reasonable and valid complaint about noise be registered, it is the responsibility of the developer to investigate this complaint as per the following sections. It is recommended that the noise investigation be done by an independent acoustic consultant.

While this section recommends a noise monitoring programme, it should be used as a guideline as site-specific conditions may require that the monitoring locations, frequency or procedure be adapted.

### 22.1 Measurement Localities and Procedures

#### 22.1.1 Measurement Localities

No routine noise measurements or locations are recommended. Noise measurements must be conducted at the location of the person that registered a valid and reasonable noise complaint. The measurement location should consider the direct surroundings to ensure that other sound sources cannot influence the reading. A second instrument must be deployed at a control point away from the potential noise source during the measurement period.

#### 22.1.2 Measurement Frequencies

Once-off measurements if and when a reasonable and valid noise complaint is registered. Results and feedback must be provided to the complainant. If required and recommended by an acoustic consultant, there may be follow-up measurements, or a noise monitoring programme can be implemented.

#### 22.1.3 Measurement Procedures

Ambient sound measurements should be collected as defined in SANS 10103:2008. Due to the variability that naturally occurs in sound levels at most locations, it is recommended that semi-continuous measurements are conducted over a period of at least 24 hours, covering at least a full day- (06:00 – 22:00) and night-time (22:00 – 06:00) period. Measurements should be collected in 10-minute bins defining the 10-minute descriptors such as  $L_{Aeq,1}$  (National Noise Control Regulation requirement),  $L_{A90,f}$  (background noise level as used internationally) and  $L_{Aeq,f}$  (Noise level used to compare with IFC noise limit). Spectral frequencies should also be measured to define the potential origin of noise. When a noise complaint is being investigated, measurements should be collected during a period or in conditions similar to when the receptor experienced the disturbing noise event.

### 22.2 Relevant Standard for Noise Measurements

Noise measurements must be conducted as required by the National Noise Control Regulations (GN R154 of 1992) and SANS 10103:2008. It should be noted that the SANS standard also refers to a number of other standards.

## **22.3 Data Capture Protocols**

### **22.3.1 Measurement Technique**

Noise measurements must be conducted as required by the National Noise Control Regulations (GN R154 of 1992) and SANS 10103:2008.

### **22.3.2 Variables to analysed**

Measurements should be collected in 10-minute bins defining the 10-minute descriptors such as  $L_{Aeq,l}$  (National Noise Control Regulation requirement),  $L_{A90,f}$  (background noise level as used internationally) and  $L_{Aeq,f}$  (Noise level used to compare with IFC noise limit). Noise levels should be coordinated with the 10-m wind speed. Spectral frequencies should also be measured to define the potential origin of noise.

### **22.3.3 Database Entry and Backup**

Data must be stored unmodified in the electronic file saved from the instrument. This file can be opened to extract the data to a spreadsheet system to allow the processing of the data and to illustrate the data graphically. Data and information should be safeguarded from accidental deletion or corruption.

### **22.3.4 Feedback to Receptor**

A measurement report must be compiled considering the requirements of the National Noise Control Regulations (GN R154 of 1992) and SANS 10103:2008. The facility must provide feedback to the potential noise-sensitive receptors using the channels and forums established in the area to allow interaction with stakeholders, alternatively in a written report.

## **22.4 Standard Operating Procedures for Registering a Complaint**

When a noise complaint is registered, the following information must be obtained:

- Full details (names, contact numbers, location) of the complainant;
- Date and approximate time when this non-compliance occurred;
- Description of the noise or event;
- Description of the conditions prevalent during the event (if possible).

## **23 FUEL STORAGE MEASURES**

### **23.1 Storage Tanks**

The storage tanks will be within contained areas to prevent spills contaminating soil and water, and with a design to capture and contain a volume of spill of at least 110% of the volume of stored fuel. These containers can be built in concrete and painted with anti-corrosive paint. The floor of the container must be inclined to permit the collection of the spilled liquids.

The storage tanks must also have a cover protection on top, prepared for drainage and collection of runoff.

### **23.2 General Procedures**

- Transport routes for the transport of fuel will be clearly indicated;
- Pollution control equipment (spill and leak cleaning kits) must be readily available;
- Ensure personnel training, including: measures to prevent fuel spills, to treat/clean fuel spills, how to react on spill of flammable liquids on clothing and in the inhalation of vapours, leaks simulations; fuel vapour recovery processes, etc. Keep records of all training;
- Maintain the premises and equipment in a clean and tidy state;
- Regularly clean outdoor areas with a broom;

- Wastewater from outside areas must be directed to the contaminated water drainage system, and not enter the stormwater system;
- Used oils (waste oil) will be collected, re-used, stored and disposed of in line with disposal procedures for hazardous wastes;
- Ensure the proper management of other hazardous wastes (contaminated soils, used spilling kits, waste lube, etc.).

### **Filling operations**

- Isolate the area by cones and a rope;
- Prohibit refuelling operations during tank filling operations;
- Avoiding having people who are not involved in the operation within a 10 metre radius;
- Prohibit smoking and the use of mobile telephones or any other ignition sources during tank filling operations or vehicle refuelling, within a 3 metre radius;
- Use a tight-fill cap to completely seal off the connections between the tubing and the truck's and station's tanks;
- Engines must be turned off during refuelling;
- Prevent overflowing and spilling situations when the storage tanks are being filled (verify filling sensors and be aware of overflow alarms).

### **Preventing Accidents with fuel mixtures**

Establish a procedure to deal with the potential occurrence of these situations, such as:

- The chemicals and reaction mechanisms associated with the substances mixed or blended must be well understood and documented;
- Chemical and process hazards must be understood and addressed, and the facilities should ensure that process equipment, controls, and procedures are designed, installed and maintained to safely operate the process;
- All employees should understand the chemical and process hazards;
- Facilities should establish a system for Standard Operating Procedures and ensure that they are understood and followed;
- Display clear and informative messages for users of the station, as to how to deal with this situation;
- Prepare a procedure to suitably dispose of wastes recovered from the batches of fuel mixture.

### **Spill Kits**

- Emergency spill kits of absorbent material (e.g. sand) must be provided and stored next to the higher risk sites, and must be easily accessible, ideally outside, in order to allow an immediate response when a spill occurs. This will be clearly labelled and ready for use.
- Drums for the storage of contaminated material must be provided.
- An accurate drawing of the local drainage system shall be posted next to the spill kit.

### **Closure Phase**

- During the closure phase, there may be loss of product into the soil, as a result of a deliberate or accidental release during closure and removal of tanks and tubing. In addition, this risk may arise outside of the facility site, if the tanks and/or tubing are not properly disposed of.
- In the closure phase, it is important to remove all tanks and pipes. A risk may arise if the tanks are left on site with residual products. As the integrity of the equipment will no longer be ensured or monitored.
- During closure, it must be ensured that facilities do not present a risk to the environment, health or safety. Measures must be taken to ensure that the closure does not result in an unacceptable risk, including:

- Any and all waste products will be removed from the tanks. Care will be taken to ensure that no product is lost into the soil. Tank closure must be carried out safely, with the removal of explosive vapours, for example by filling the tanks with water or inert gases. All tanks will be safe prior to their removal from the ground. Similar methods will be employed prior to the removal of the pipes.
- Water used in this process will be contaminated with residual product, and thus a water contamination risk may arise if the contaminated water is not disposed of in a way which is appropriate for hydrocarbon contamination. This would normally imply the removal to a suitable waste handling facility.
- According to best environmental practices, the tanks, tubing and distributors will be disposed of. However, if the tanks remain in situ, it will be ensured that the procedure is safe. After making the tanks inert and safe, they will be filled in with sand, concrete, inert mud or hydrophobic foam.
- The tanks and associated tubing which are no longer considered appropriate or safe for fuel storage will not be used for storage of other hydrocarbons, without first ensuring their integrity.
- The oil/water separators will be removed for disposal, off the facility site. Otherwise, they will be filled in a similar way to the tanks. Regardless of the fate of the oil/water separator, all liquid and mud waste will be removed (off the facility site), and all the inlets and outlets will be sealed.
- Whatever drainage system left behind will be modified to ensure that it does not serve as a path for pollutants to reach groundwater or other waters.
- If the deactivation is temporary, product can be left in the tanks. In this case, all monitoring procedures will be carried out as if the facility were in operation. If for any reason the monitoring cannot carry on, the tanks will be emptied and made inert.
- Personnel involved in the closure of a filling and fuel station will be aware and respect obligations with regards to waste disposal, in line with the best practices described above.

Environmental Aspect	Action or Measure
<p><b>Prevent accidental spills from entering the stormwater drainage system</b></p>	<p>Provide cleaning equipment conceived specifically to deal with minor spills as may occur at the station.</p>
	<p>Place a clearly identified spill kit in a visible location for each fueling line.</p>
	<p>Develop a step-by-step guide to use of the spill kit.</p>
	<p>Develop an evacuation plan and/or response procedures for emergencies involving large fuel spills.</p>
	<p>Train the whole team in the emergency response procedures. Make sure that all staff knows where the emergency equipment is to be found and is acquainted with its maintenance.</p>
	<p>Label all of the stormwater drains on-site in the proximity of the facilities as "Clean Water Only".</p>
	<p>Inspect the fuel distribution area in order to confirm that rainwater drained or emptied from the roof doesn't enter the areas marked out.</p>
	<p>Check whether the embankment around the fuel distribution area is in good condition and has the capacity to contain a fuel leak in the event of an emergency.</p>

Environmental Aspect	Action or Measure
<b>Minimise the risks of environmental contamination and from issues of workers' health and safety</b>	Provide training to the staff regarding the disposal of material contaminated with fuel, such as absorbent material from the spill kit, soaked in fuel.
	Ensure that the product safety cards for all fuels and oils are up-to-date and accessible at all times.
<b>Minimise the risks of fuel leaks as may result in pollution of the sub-soil and groundwater</b>	Check if there is fuel, from a possible leak, in the spill containment sumps installed at the tank's discharge nozzle.
	Check if there is fuel, from a possible leak, in the all tanks containment sumps, installed on the manhole to the storage tanks. In the event of suspected leakage, report it immediately.
	Check if there is fuel or lube, from a possible leak in the containment sumps installed under the tanks.
<b>Minimise the risks of fuel leaks as this may result in pollution of the sub-soil and groundwater</b>	Check if there is fuel, from a possible leak, in the chambers of the containment sumps installed under the pumps
<b>Minimise the risks of harmful emissions to the atmosphere and the loss of fuel</b>	Check that lids, flanges and connections are closed.
	Confirm that the ventilation conduits are not blocked.
	Supervise the fuel deliveries.
<b>Minimise the risks of water pollution</b>	Carry out an Oil-Water Separator inspection to ensure effective treatment.
<b>Integrity control</b>	Adequate maintenance and calibration of the monitoring equipment

## 24 DECOMMISSIONING PHASE

Should the WEF be decommissioned, a decommissioning plan must be produced. The plan must include details on the decommissioning and dismantling of the WEF, taking in consideration the potential environmental impact associated with it. Environmental monitoring plans must be produced so ensure no pollution occurs during this phase. The plan must include the steps that will be taken to rehabilitate the area after the WEF is dismantled, as well as recycling options of the equipment and structures.

## 25 CONCLUSION

In terms of the National Environmental Management Act 107 of 1998 everyone is required to take reasonable measures to ensure that they do not pollute the environment. Reasonable measures include informing and educating employees about the environmental risks of their work and training them to operate in an environmentally acceptable manner.

Furthermore, in terms of the 'Act', the cost to repair any environmental damage shall be borne by the person responsible for the damage.

It is therefore imperative that the management plan is successfully implemented, as a failure to comply could have legal implications.



The environmental impacts on the site will not be significant if the construction management is well implemented, and a set of operational guidelines are developed by the long term site management body.

**APPENDIX C: SITE AND POSTER NOTICE AND NEWSPAPER  
ADVERTISEMENT PROOF**

**KENNISGEWING VAN EA WYSIGINGS AANSOEKPROSES: VOORGESTELDE SAN KRAAL AND PHEZUKOMOYA – WINDKRAGGAANLEG, IN DIE NOORD-KAAP EN OOS-KAAP**

Kennis word hiermee gegee dat 'n Proses van Openbare Deelname (PPP) ingevolge die Wet op Nasionale Omgevingsbestuur, 1998 (Wet Nr. 107 van 1998), soos gewysig, onderneem word.

**DEA Verwysingsnommer: Moet nog bevestig word**

Older DEA Verwysingsnommer van die San Kraal Windkragaanleg: 14/12/16/3/3/2/1029/AM1  
 Older DEA Verwysingsnommer van die Phezukomoya Windkragaanleg: 14/12/16/3/3/2/1028/AM1

**Aard en Ligging van Aktiwiteit:** Die Omgevingsmagtiging (EA) vir die San Kraal Windkragaanleg (WEF) en Phezukomoya Windkragaanleg (WEF) is in Junie 2018 deur die Departement van Omgewingsake (DEA) toegestaan. 'n EA wysingsaansoekproses vir die voorgestelde split van die San Kraal WEF en Phezukomoya WEF in vier WEFs sal gevolg word. Aansoek sal by die Departement van Omgewingsake (DEA) ingedien word vir die split van die gemagtigde San Kraal WEF (DEA Verwysingsnommer: 14/12/16/3/3/2/1029) en 14/12/16/3/3/2/1029/AM1 (San Kraal) in twee WEFs (naamlik San Kraal Split 1 en Hartebeesthoek East), en die Phezukomoya WEF (DEA Verwysingsnommer: 14/12/16/3/3/2/1028 en 14/12/16/3/3/2/1028/AM1) (Phezukomoya) in twee WEFs (naamlik Phezukomoya Split 1 en Hartebeesthoek West).

**VOORGESTELDE SAN KRAAL AND PHEZUKOMOYA – WINDKRAGGAANLEG, IN DIE NOORD-KAAP EN OOS-KAAP**

Kennis word hiermee gegee dat 'n Proses van Openbare Deelname (PPP) ingevolge die Wet op Nasionale Omgevingsbestuur, 1998 (Wet Nr. 107 van 1998), soos gewysig, onderneem word.

**DEA Verwysingsnommer: Moet nog bevestig word**

**Aard en Ligging van Aktiwiteit:** Die Aansoeker: EDF Renewables (Edms) Bpk dien 'n aansoek in vir omgewingsmagtiging vir die elektrisiteitsaanleiding en geïntegreerde infrastruktuur-verbod hou met die voorgestelde split van die gemagtigde WEFs, i.e. San Kraal Split 1 WEF; Phezukomoya Split 1 WEF; Hartebeesthoek East WEF en Hartebeesthoek West WEF. 'n Basiese assesseringsproses word gevolg omdat 'n nuwe gang voorgestel is, en part daarvan is buite die gemagtigde perseelgrense (van San Kraal en Phezukomoya) geleë is.

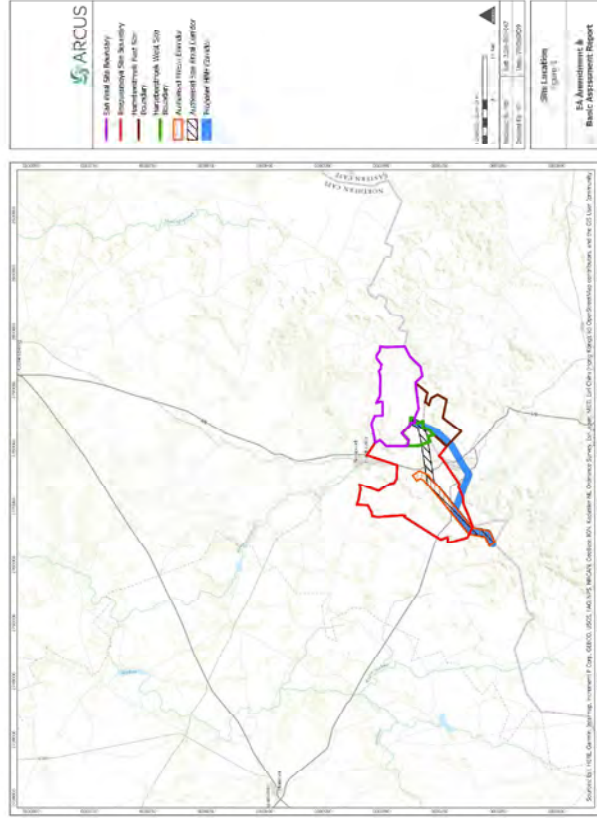
Die **Konsep EA Wysigingsverslag** en **Basiese Assessingsproses** sal beskikbaar gestel word vir openbare verowering en kommentaarlewing in September 2019 (presiese datum van beskikbaarheid sal bevestig word aan alle geregistreerde B&GP's deur kennisgewings) by die Noupoot; en op die webtuiste [www.arcusconsulting.co.za](http://www.arcusconsulting.co.za).

Met verwysing na die voorgestelde ontwikkeling, indien u as 'n Belanghebbende en Geïnteresseerde Party (B & GP) wil registreer, stuur asseblief 'n versoek om registrasie skriftelik na die onderstaande adres:

**ARCUS Consultancy Services South Africa (Pty) Ltd**

Reference : 3329 Projects  
 Email : [info@arcusconsulting.co.za](mailto:info@arcusconsulting.co.za)  
 Post : 0951 607 Cubes Workspace, Icon Building, Cnr Long Street and Hans Strijdom Avenue, Cape Town, 8001  
 Telephone : +27 21 411 1529  
 Persoon : Aneshan Allwie

*Opmerkings: die e-posadres: [sankraal@arcusconsulting.co.za](mailto:sankraal@arcusconsulting.co.za) en [phezukomoya@arcusconsulting.co.za](mailto:phezukomoya@arcusconsulting.co.za) is nie meer geldig nie*



**Vir die duur van die PPP, EIA en BA-proses sal slegs geregistreerde B&GP's korrespondensie ontvang. Registrasie sal gedurende die EIA en BA-proses moontlik wees.**

**NOTIFICATION OF EA AMENDMENT APPLICATION PROCESS: SAN KRAAL AND PHEZUKOMOYA WIND ENERGY FACILITY, NORTHERN AND EASTERN CAPE PROVINCE**

Notice is hereby given of a Public Participation Process (PPP) to be undertaken in terms of the National Environmental Management Act, 1998 (Act No. 107 of 1998), as amended.

**DEA Reference Number: To Be Confirmed**

Older DEA Reference Number of the San Kraal Wind Energy Facility: 14/12/16/3/3/2/1029/AM1  
 Older DEA Reference Number of the Phezukomoya Wind Energy Facility: 14/12/16/3/3/2/1028/AM1

**Nature and Location of Activity:** The Environmental Authorisation for the San Kraal Wind Energy Facility (WEF) and the Phezukomoya Wind Energy Facility (WEF) was granted by the Department of Environmental Affairs in June 2018. An EA Amendment application process for the proposed split of the San Kraal WEF and Phezukomoya WEF into four WEFs will be followed. Applications will be submitted to the Department of Environmental Affairs for the split of the authorised San Kraal WEF (DEA Ref. No. 14/12/16/3/3/2/1029/AM1) (San Kraal) into two WEFs (namely San Kraal Split 1 and Hartebeesthoek East), and the Phezukomoya WEF (DEA Ref. No. 14/12/16/3/3/2/1028 and 14/12/16/3/3/2/1028/AM1) (Phezukomoya) into two WEFs (namely Phezukomoya Split 1 and Hartebeesthoek West).

**NOTIFICATION OF BASIC ASSESSMENT PROCESS: PROPOSED SAN KRAAL AND PHEZUKOMOYA WIND ENERGY FACILITY, NORTHERN AND EASTERN CAPE PROVINCE**

Notice is hereby given of a Public Participation Process (PPP) to be undertaken in terms of the National Environmental Management Act, 1998 (Act No. 107 of 1998), as amended.

**DEA Reference Number: To Be Confirmed**

**Nature and Location of Activity:** The Applicant, EDF Renewables (Pty) Ltd, is submitting an application for environmental authorisation for the electrical grid connection and associated infrastructure related to the proposed split of the authorised WEFs, i.e. San Kraal Split 1 WEF; Phezukomoya Split 1 WEF; Hartebeesthoek East WEF and Hartebeesthoek West WEF. A basic assessment process is being followed because a new corridor has been proposed, and part of the corridor is located outside the authorised site boundaries (of San Kraal and Phezukomoya).

The **Draft EA Amendment and Basic Assessment Reports** will be made available for public review and comment in September 2019 (exact date of availability to be confirmed in notification to all registered I&APs) at the following locations:

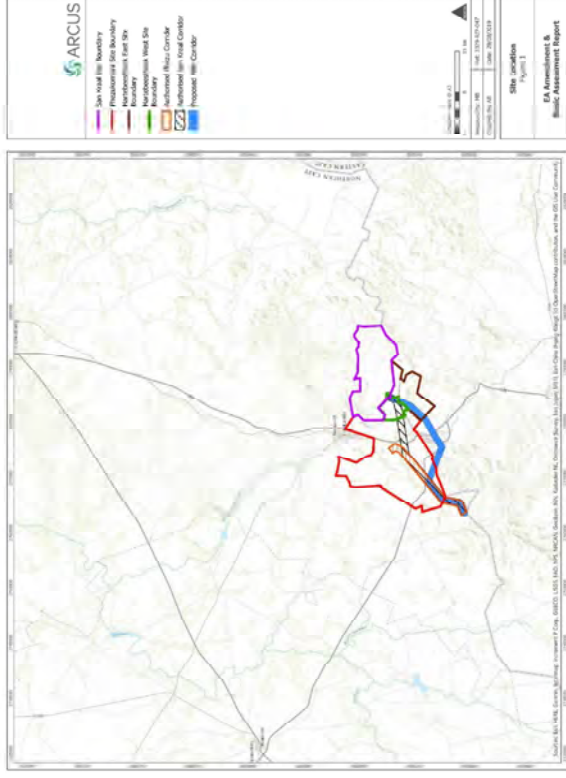
- Noupoot Library; and
- Website: [www.arcusconsulting.co.za](http://www.arcusconsulting.co.za)

With reference to the proposed developments, if you wish to be registered as an Interested and Affected Party (I&AP), please send your request for registration in writing to the address below:

**ARCUS Consultancy Services South Africa (Pty) Ltd**

Reference : 3329 Projects  
 Email : [info@arcusconsulting.co.za](mailto:info@arcusconsulting.co.za)  
 Post : 0951 607 Cubes Workspace, Icon Building, Cnr Long Street and Hans Strijdom Avenue, Cape Town, 8001  
 Telephone : +27 21 411 1529  
 Persoon : Aneshan Allwie

*Note: The email addresses: [sankraal@arcusconsulting.co.za](mailto:sankraal@arcusconsulting.co.za) and [phezukomoya@arcusconsulting.co.za](mailto:phezukomoya@arcusconsulting.co.za) is no longer valid.*



**Correspondence throughout the remainder of the PPP, EIA and BA Process will only be distributed to Registered Interested and Affected Parties (I&APs). Registration as an I&AP is possible throughout the EIA and BA Process.**

# San Kraal and Phezukomoya Site Notice Placements

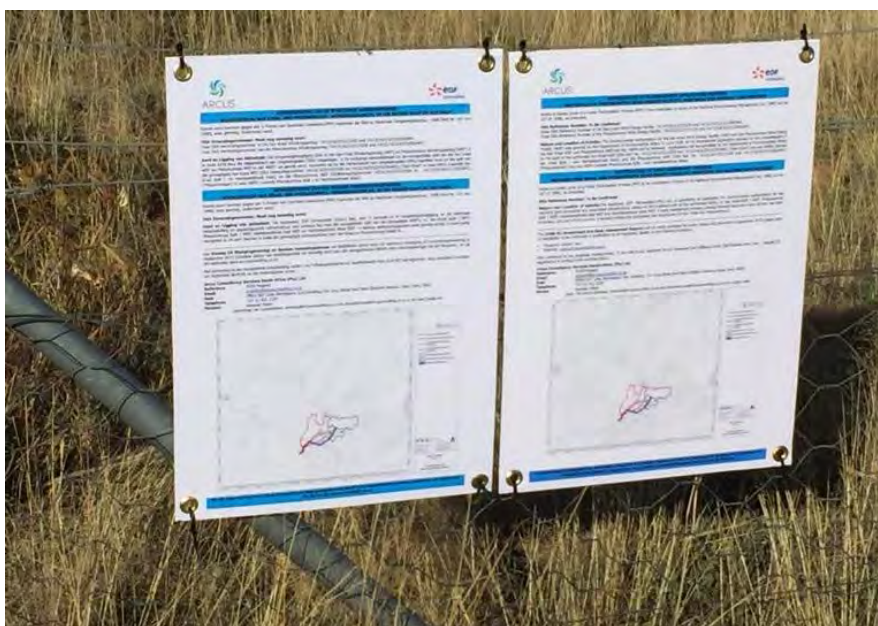


Site Notice Placement S Site Boundary  
S 31° 18.573' ; E 024° .55.253'



Site Notice Placement SW Site Boundary S 31° 17.074' ; E 024° .50.520'

# San Kraal and Phezukomoya Site Notice Placements

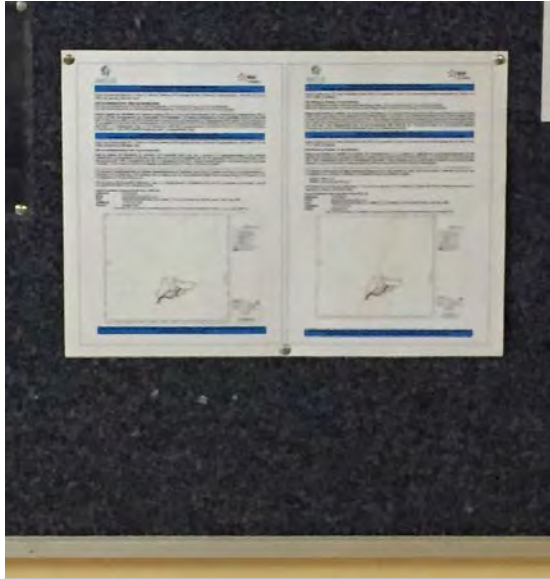


Site Notice Placement N Site Boundary  
S 31°10.464' ; E 024°57.808'



Site Notice Placement NE Site Boundary S 31°12.113' ; E 025°02.401'

# San Kraal and Phezukomoya Poster Placement: Middelburg



Middelburg Police Station

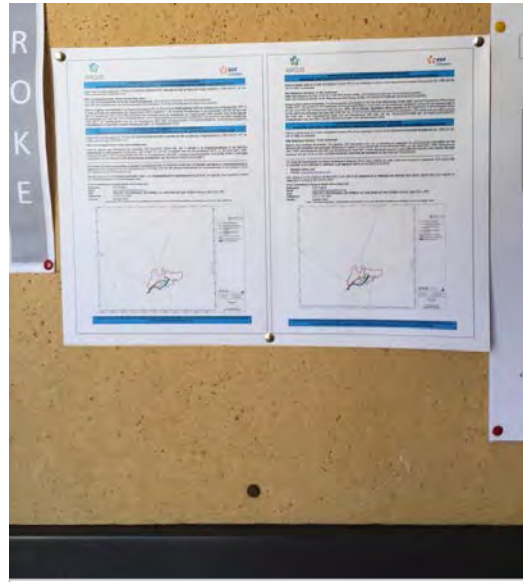


NG Kerk Middelburg-Karoo



Middelburg Keg and Springbuck Pub & Restaurant

# San Kraal and Phezukomoya Poster Placement: Middelburg



Middelburg Wilhelm Stahl Hospital



Middelburg Karoo Apteek / Pharmacy

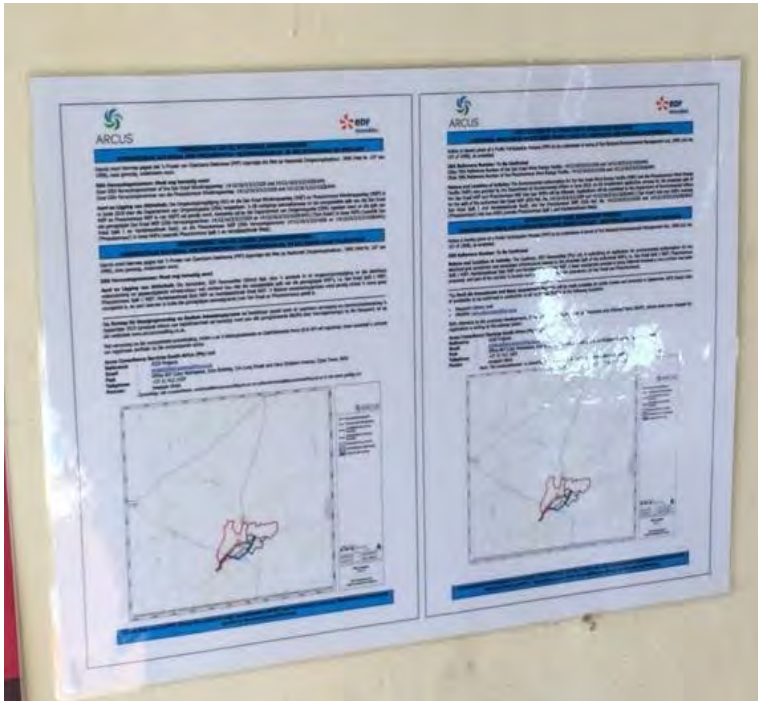
# San Kraal and Phezukomoya Poster Placement: Noupoort



Noupoort Police Station



Noupoort Fritz Visser CHC Hospital



Noupoort Foodzone





# San Kraal and Phezukomoya Poster Placement: Noupoort



Noupoort Umsobomvu Municipality



Noupoort Post Office

**NOTIFICATION OF EA AMENDMENT APPLICATION PROCESS:  
SAN KRAAL AND PHEZUKOMOYA WIND ENERGY FACILITY,  
NORTHERN AND EASTERN CAPE PROVINCE**

Notice is hereby given of a Public Participation Process (PPP) to be undertaken in terms of the National Environmental Management Act, 1998 (Act No. 107 of 1998), as amended.

**DEA Reference Number: To Be Confirmed**

Older DEA Reference Number of the San Kraal WEF: 14/12/16/3/3/2/1029 and 14/12/16/3/3/2/1029/AM1 and the Phezukomoya WEF: 14/12/16/3/3/2/1028 and 14/12/16/3/3/2/1028/AM1

**Nature and Location of Activity:** The Environmental Authorisation for the San Kraal Wind Energy Facility (WEF) and the Phezukomoya Wind Energy Facility (WEF) was granted by the Department of Environmental Affairs in June 2018. An EA Amendment application process for the proposed split of the San Kraal WEF and Phezukomoya WEF into four WEFs will be followed. Applications will be submitted to the Department of Environmental Affairs for the split of the authorised San Kraal WEF (DEA Ref. No. 14/12/16/3/3/2/1029 and 14/12/16/3/3/2/1029/AM1) ('San Kraal') into two WEFs (namely San Kraal Split 1 and Hartebeesthoek East), and the Phezukomoya WEF (DEA Ref. No. 14/12/16/3/3/2/1028 and 14/12/16/3/3/2/1028/AM1) ('Phezukomoya') into two WEFs (namely Phezukomoya Split 1 and Hartebeesthoek West).

**NOTIFICATION OF BASIC ASSESSMENT PROCESS:  
PROPOSED SAN KRAAL AND PHEZUKOMOYA WIND ENERGY  
FACILITY, NORTHERN AND EASTERN CAPE PROVINCE**

Notice is hereby given of a Public Participation Process (PPP) to be undertaken in terms of the National Environmental Management Act, 1998 (Act No. 107 of 1998), as amended.

**DEA Reference Number: To Be Confirmed**

**Nature and Location of Activity: The Applicant:** EDF Renewables (Pty) Ltd, is submitting an application for environmental authorisation for the electrical grid connection and associated infrastructure related to the proposed split of the authorised WEFs, i.e. San Kraal Split 1 WEF; Phezukomoya Split 1 WEF; Hartebeesthoek East WEF and Hartebeesthoek West WEF. A basic assessment process is being followed because a new corridor has been proposed, and part of the corridor is located outside the authorised site boundaries (of San Kraal and Phezukomoya).

The **Draft EA Amendment and Basic Assessment Reports** will be made available for public review and comment in September 2019 (exact date of availability to be confirmed in notification to all registered I&APs) at the Noupoot Library and on the website: [www.arcusconsulting.co.za](http://www.arcusconsulting.co.za).

With reference to the proposed developments, if you wish to be registered as an Interested and Affected Party (I&AP), please send your request for registration in writing to the address below.

**KENNISGEWING VAN EA WYSIGINGS AANSOEKPROSES:  
VOORGESTELDE SAN KRAAL AND PHEZUKOMOYA –  
WINDKRAGAANLEG, IN DIE NOORD-KAAP EN OOS-KAAP**

Kennis word hiermee gegee dat 'n Proses van Openbare Deelname (PPP) ingevolge die Wet op Nasionale Omgewingsbestuur, 1998 (Wet Nr. 107 van 1998), soos gewysig, onderneem word.

**DEA Verwysingsnommer: Moet nog bevestig word**

Ouer DEA Verwysingsnommer of the San Kraal WEF: 14/12/16/3/3/2/1029 and 14/12/16/3/3/2/1029/AM1 en Phezukomoya WEF: 14/12/16/3/3/2/1028 and 14/12/16/3/3/2/1028/AM1

**Aard en Ligging van Aktiwiteit:** Die Omgewingsmagtiging (EA) vir die San Kraal Windkragaanleg (WEF) en Phezukomoya Windkragaanleg (WEF) is in Junie 2018 deur die Departement van Omgewingsake (DEA) toegestaan. 'n EA wysigings aansoekproses vir die voorgestelde split van die San Kraal WEF en Phezukomoya WEF in vier WEFS sal gevolg word. Aansoeke sal by die Departement van Omgewingsake (DEA) ingedien word vir die split van die gemagtigde San Kraal WEF (DEA Verwysingsnommer. 14/12/16/3/3/2/1029 en 14/12/16/3/3/2/1029/AM1) ('San Kraal') in twee WEFs (naamlik San Kraal Split 1 en Hartebeesthoek East), en die Phezukomoya WEF (DEA Verwysingsnommer 14/12/16/3/3/2/1028 en 14/12/16/3/3/2/1028/AM1) ('Phezukomoya') in twee WEFs (naamlik Phezukomoya Split 1 en Hartebeesthoek West).

**KENNISGEWING VAN DIE BASIESE ASSESSERINGSPROSES:  
VOORGESTELDE SAN KRAAL AND PHEZUKOMOYA –  
WINDKRAGAANLEG, IN DIE NOORD-KAAP EN OOS-KAAP**

Kennis word hiermee gegee dat 'n Proses van Openbare Deelname (PPP) ingevolge die Wet op Nasionale Omgewingsbestuur, 1998 (Wet Nr. 107 van 1998), soos gewysig, onderneem word.

**DEA Verwysingsnommer: Moet nog bevestig word**

**Aard en Ligging van Aktiwiteit: Die Aansoeker:** EDF Renewables (Edms) Bpk, dien 'n aansoek in vir omgewingsmagtiging vir die elektriese netaansluiting en gepaardgaande infrastruktuur wat verband hou met die voorgestelde split van die gemagtigde WEF's, i.e. San Kraal Split 1 WEF; Phezukomoya Split 1 WEF; Hartebeesthoek East WEF en Hartebeesthoek West WEF. 'n Basiese assesseringsproses word gevolg omdat 'n nuwe gang voorgestel is, en part daarvan is buite die gemagtigde perseelgrense (van San Kraal en Phezukomoya) geleë is.

Die **Konsep EA Wysigingsverslag en Basiese Assesseringsproses** sal beskikbaar gestel word vir openbare oorweging en kommentaarlewering in September 2019 (presiese datum van beskikbaarheid sal bevestig word aan alle geregistreerde B&GPe deur kennisgewings) by die Noupoot Biblioteek; en op die webtuiste [www.arcusconsulting.co.za](http://www.arcusconsulting.co.za).

Met verwysing na die voorgestelde ontwikkeling, indien u as 'n Belanghebbende en Geaffekteerde Party (B & GP) wil registreer, stuur asseblief u versoek om registrasie skriftelik na die onderstaande adres.

# The Herald Classifieds

## SPORT

● Dimitrov outplays Grand Slam master for spot in US Open semis

# 'Baby Fed' upsets Swiss namesake



BIGGEST WIN YET: Grigor Dimitrov, of Bulgaria, celebrates his victory over Roger Federer, of Switzerland, at the Arthur Ashe Stadium in New York City on Tuesday. Picture: TPN/GETTY IMAGES

Grigor Dimitrov stepped out of Roger Federer's shadow on Tuesday to claim a spot in the US Open semifinals with a shock 3-6-6-4 3-6-6-4 2-6-2 win over the wounded Swiss.

Coming into the US Open, the 78th ranked Dimitrov, dubbed "Baby Fed" because of the similarities between his game and Federer's, did not look much of a threat, posting just one win from his last eight matches.

But the Bulgarian, who had been ranked as high as number three, has found some form on the New York hardcourts and claimed his first win in eight meetings with the 20-time Grand Slam winner.

"Even if I would have gone two sets to love down, I wouldn't have given up," Dimitrov said.

"I would still stay on the court and just try to do as much as possible to make sure that I rattle him or put him off balance.

"I kept on pushing, I kept on believing."

Dimitrov will now face Daniil Medvedev on Friday for a place in the final, the Russian advancing to the last four with a 7-6(6) 6-3 3-6 6-1 win over another Swiss, Stan Wawrinka.

While not as crushing as his five-set loss to Novak Djokovic in the Wimbledon final, it was another bitterly disappointing missed opportunity for Federer to add to his Grand Slam haul.

After a sputtering start to the US Open that saw him drop the first set in his opening two matches in astonishingly submissive style, Federer had looked more like the silky

smooth Swiss maestro fans have come to expect.

He was virtually flawless in his next two contests, dropping just nine games in straight-sets wins, sparking a buzz about a possible Grand Slam Big Apple final showdown with old rival Rafa Nadal.

"Just disappointed it's over because I did feel like I was actually playing really well after a couple of rocky starts.

"It's just a missed opportunity to some extent that you're in the lead, you can get through, you have two days off after," Federer said.

"It was looking good. But you've got to take the losses. They're part of the game."

Federer looked razor sharp to start the match but was not able to maintain his usual level against the gritty Bulgarian.

The turning point came in the fourth set, Dimitrov fighting off five break points to win the set and level at 2-2.

"I was trying to stay in that game and make him stay on the court," Dimitrov said.

"After that he started slowing down.

"It's a best of five sets. Anything can happen."

And something did.

Before the start of the fifth set, Federer called for the trainer, who escorted him off the court for a medical time out to deal with a back problem.

When play resumed Dimitrov seized his chance, breaking Federer to open the fifth and then a second time with the Swiss unable to mount any defence as the Bulgarian went on to claim the biggest win of his career. — Reuters

**DEATHS**  
**ROBERTS** — Geoff. Your commitment and contribution to the Civil Engineering Profession to whom you so greatly contributed will ever be fondly remembered by those privileged to be associated with you. Rod and Keith.

**IN MEMORIAM**  
**ALLIN** — Ron. Sadly missed and always lovingly remembered by Cathy, Michael and Ian.

**FUNERAL NOTICES**  
**MVULA Zandisile Cyprian**  
 Sunrise: 31/10/78  
 Sunset: 25/08/2019

The funeral service will take place on Saturday, 7 September 2019. Short service at 8.00am from home 17 Mhiza Street, KwaDwesi, proceeding to Pieter Rademeyer Hall, Algoa Park at 10.00am. Thence to Paapenkul Cemetery. Deeply mourned by his wife, family and children.  
 Safe in God's loving care. Memories last a lifetime.

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 Closing date and time is the 10 September 2019 at 17:00, interested parties are to forward a comprehensive CV together with a motivational letter with the Reference No. **HR/ MAN/A2/2019** to [landplaatjes@omegasol.com](mailto:landplaatjes@omegasol.com)  
 No late applications will be considered. Short-listed applicants will be invited to an interview. **If you have not received feedback within two weeks, please consider your application to be unsuccessful.**  
 Dynamic Company looking to employ a **WOOD BORER INSPECTOR and FUMIGATOR**. Applicants should be registered with the Department of Agriculture. Pest control Operator CV's to be emailed to [cvsaps2019@gmail.com](mailto:cvsaps2019@gmail.com)

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 - report on drill hours, drilling efficiency, down time and other relevant metrics  
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 - compile weekly costings for all projects in progress  
 - monitor and keep track of project progress  
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 - provide advice to staff on commercial and contractual matters  
 - supply relevant information to the MD and FM for review at specific intervals  
 - assist MD and FM with a range of other duties as may be required from time to time.  
 Email full CV and ID, certified certificates / diploma to: [payroll@bblast.co.za](mailto:payroll@bblast.co.za)  
*If you don't have a response within three weeks please consider your application unsuccessful.*

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## LEGALSALES

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**NOTIFICATION OF EA AMENDMENT APPLICATION PROCESS: SAN KRAAL AND PHEZUKOMUYA WIND ENERGY FACILITY, NORTHERN AND EASTERN CAPE PROVINCE**

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**DEA Reference Number: To Be Confirmed**  
 Older DEA Reference Number of the San Kraal WEF: 14/12/16/3/3/2/1029 and 14/12/16/3/3/2/1029/AM1 and the Phezukomoya WEF: 14/12/16/3/3/2/1028 and 14/12/16/3/3/2/1028/AM1

**Nature and Location of Activity:** The Environmental Authorisation for the San Kraal Wind Energy Facility (WEF) and the Phezukomoya Wind Energy Facility (WEF) was granted by the Department of Environmental Affairs in June 2018. An EA Amendment application process for the proposed split of the San Kraal WEF and Phezukomoya WEF into four WEFs will be followed. Applications will be submitted to the Department of Environmental Affairs for the split of the authorised San Kraal WEF (DEA Ref. No. 14/12/16/3/3/2/1029 and 14/12/16/3/3/2/1029/AM1) (San Kraal) into two WEFs (namely San Kraal Split 1 and Hartebeesthoek East), and the Phezukomoya WEF (DEA Ref. No. 14/12/16/3/3/2/1028 and 14/12/16/3/3/2/1028/AM1) (Phezukomoya) into two WEFs (namely Phezukomoya Split 1 and Hartebeesthoek West).

**NOTIFICATION OF BASIC ASSESSMENT PROCESS: PROPOSED SAN KRAAL AND PHEZUKOMUYA WIND ENERGY FACILITY, NORTHERN AND EASTERN CAPE PROVINCE**

Notice is hereby given of a Public Participation Process (PPP) to be undertaken in terms of the National Environmental Management Act, 1998 (Act No. 107 of 1998), as amended.

**DEA Reference Number: To Be Confirmed**  
**Nature and Location of Activity:** The Applicant, EDF Renewables (Pty) Ltd, is submitting an application for environmental authorisation for the electrical grid connection and associated infrastructure related to the proposed split of the authorised WEFs, i.e. San Kraal Split 1 WEF, Phezukomoya Split 1 WEF, Hartebeesthoek East WEF and Hartebeesthoek West WEF. A basic assessment process is being followed because a new corridor has been proposed, and part of the corridor is located outside the authorised site boundaries (of San Kraal and Phezukomoya).  
 The Draft EA Amendment and Basic Assessment Reports will be made available for public review and comment in September 2019 (exact date of availability to be confirmed in notification to all registered I&APs) at the Noupour Library and on the website: [www.arcusconsulting.co.za](http://www.arcusconsulting.co.za)  
 With reference to the proposed developments, if you wish to be registered as an Interested and Affected Party (I&AP), please send your request for registration in writing to the address below.

**Arcus Consultancy Services South Africa (Pty) Ltd**

Reference / Verwysing :	3329 Projects	Person / Persoon :	Aneesah Aliwie
Email / Epos :	<a href="mailto:projects@arcusconsulting.co.za">projects@arcusconsulting.co.za</a>	Address / Adresse :	Office 607 Cube Workspace, Icon Building, Cnr Long Street and Hans Strijdom Avenue, Cape Town, 8001
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# Milestone for Serena with 100th victory

Serena Williams claimed her 100th win at the US Open in style on Tuesday, dismantling her quarterfinal opponent Wang Qiang 6-1 6-0 in a blistering 44-minute performance that ended any questions over a twisted ankle from the previous round.

"I never thought that I would get to 100," Williams said after the match, reflecting on the two decades she has spent playing at Flushing Meadows. "It's so special. I never want to let it go."

The eighth-seeded American and Chris Evert are the only two players to log at least 100 victories at the tournament.

Williams is now only one behind Evert's mark.

The 37-year-old Williams was dominant from the start, firing off 25 winners, compared with zero from 18th-seed Wang, and winning 90% of her first-serve points.

During her fourth-round match on Sunday, Williams slipped and fell while running to the net and twisted her right ankle but said on Tuesday she was feeling great.



"It feels good," Williams said of her performance. "This is how hard I've been working. It feels like hard work pays off when that happens."

Williams pumped her fist in celebration after firing off a forehand winner in front of a roaring crowd to end the contest.

"I am who I am. I've always been the person that goes out there and roars and screams and complains and cries and fights," Williams said. "I'm extremely passionate about what I do. "Most people that love their jobs are passionate about what they do. That's just me."

She also praised the progress made in women's tennis over her career, calling it the "premier sport for women."

"It's the best work in the world that a woman can do, in my mind."

"I'm a little biased obviously, the 37-year-old said. "I feel like we fought so hard for so many years for so many different things."

Williams faces fifth-seed Elina Svitolina in the semifinals. — Reuters

# Proteas to take on Roses

Four months after the end of the Netball World Cup in Liverpool, South Africa will face England in the SPAR Challenge in a three-match series in Cape Town from November 29 to December 1.

This will be the first time that the two sides meet following their battle for bronze at the Netball World Cup in July, which saw the Roses win.

"We are excited to be hosting England in November and cannot wait for the clash," Netball South Africa president Cecilia Molokwane said. "We obviously don't want to allow them to beat us on our own turf and we have a home crowd advantage this time. "These will definitely be an important few games for us as we are looking forward to the repeat of our last World Cup match against England."

For the Proteas this will be their chance to avenge their two losses at the hands of the Roses at the World Cup.

"I am very much looking forward to this series, it's definitely going to be an exciting few games to watch," Roses coach Jess Thirlby said. "The Proteas are a good team and proved that at the Vitality Netball World Cup."

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# Meet the team... GRAAFF-REINET ADVERTISER

Tel 049 892 2236/7

9-11 Church Street  
Graaff-Reinet



**Editor**  
Paula-Ann Smit  
paula@groupeditors.co.za



**Journalist**  
Christo Vermaak  
christo@groupeditors.co.za



**Sales Manager**  
Julinda Aucamp  
julinda@groupeditors.co.za



**Sales Executive**  
Corrie van Zyl  
corrie@groupeditors.co.za



**Sales Executive**  
Suné van der Mescht  
sune@groupeditors.co.za



**Reception**  
Sylvia Zenani  
tiser@telkomsa.net

**CONTRIBUTORS**

**ABERDEEN**  
Sue Shaw  
sueshaw2013@gmail.com

**NIEU-BETHESDA**  
paula@groupeditors.co.za

**Deadline for letters: Tuesday @ 12:00**  
christo@groupeditors.co.za

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**Group Editors Head Office Team**

**Operations Director**  
Nicole Rimbault

**Sales & Marketing Director**  
Servaas de Kock  
servaas@groupeditors.co.za

**Managing Group Editor**  
Ilse Schoonraad  
ilse@groupeditors.co.za

**Production Manager**  
Deon Joubert  
deonj@groupeditors.co.za

**Admin Manager**  
Janien Gericke  
janieng@groupeditors.co.za

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**Audit**

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# Nodige reën, nuwe dinge en 'n stel krukke: hallo, lente

"Ek gaan nou lekker *spring clean*," sê 'n vrou Maandag vir haar vriendin in Karoostraat.

Kry jou antihistamien gereed en pak solank die swaar winterbaadjies weg (of miskien nie heeltemal nie, laasjaar dié tyd het dit gesneeu in Graaff-Reinet): lente is hier. Hoekom wil ons altyd hierdie tyd van die jaar ons huise en lewens regruk?

Sommige navorsing meen dit kom van Nowruz af; die Iranese Nuwe Jaar,



**Redakteursbrief**  
deur Paula-Ann Smit

wat op die eerste dag van lente in die Noordelike Halfron is. Ander glo weer dit kom van Ortodokse nasies af, wat huis en kerk skoonmaak aan die begin van lente voor Goeie Vrydag.

Miskien is ander net moeg na die lang

en droë winter? Saterdag het ons stukkie Karoo die nuwe seisoen gevier met 1 mm-reën in die Perdeskoen-area. Hierdie broodnodige hulpbron word weer voorspel vir Donderdag, 5 September. Ons kan maar net hoop.

Ek probeer self my lewe agtermekaar kry wat gesondheid aanbetref, want die winter was lank, en die kos wat Vic aandra te lekker.

Die dag voor lente gaan draf ek in George. Ek verkyk my aan die groenigheid wat ons nie hier ken nie, en val toe oor 'n boomwortel.

Arms het geswaai, enkels het geknak; dit was nie 'n mooi prentjie nie.



"Moet ek iemand bel?" vra 'n vrou. Ek knik, want ek kan nie opstaan nie. "Wie?" wil sy weet. Ek huil: "Ek ken niemand nie!" Die arme vrou weet nie wat om met my te maak nie; ek sou ook nie.

Ek gaan nie weer gou fiks verkeer nie, tensy dit met twee krukke is. Wie weet wat my sal oorkom as die eerste Karoo-hittegolf ons tref? Daardie dag bly ek maar tuis.



# WOORD VAN DIE WEEK IS...

In samewerking met die **Woordeboek van die Afrikaanse Taal (WAT)** sal die Advertiser weekliks 'n ongewone of interessante woord publiseer. Het jy 'n woord wat jy graag met ons wil deel? Stuur dit gerus na paula@groupeditors.co.za. Besoek [www.wat.co.za](http://www.wat.co.za) om 'n Afrikaanse woord te borg of te koop. Vandeeweek se Woord van die Week is ingestuur deur leser Tertia Haarhoff. Dankie vir jou lente-bydra, Tertia!

**NOTIFICATION OF EA AMENDMENT APPLICATION PROCESS: SAN KRAAL AND PHEZUKOMOYA WIND ENERGY FACILITY, NORTHERN AND EASTERN CAPE PROVINCE**

Notice is hereby given of a Public Participation Process (PPP) to be undertaken in terms of the National Environmental Management Act, 1998 (Act No. 107 of 1998), as amended.  
**DEA Reference Number: To Be Confirmed**  
Older DEA Reference Number of the San Kraal WEF: 14/12/16/3/3/2/1029 and 14/12/16/3/3/2/1029/AM1 and the Phezukomoya WEF: 14/12/16/3/3/2/1028 and 14/12/16/3/3/2/1028/AM1  
**Nature and Location of Activity:** The Environmental Authorisation for the San Kraal Wind Energy Facility (WEF) and the Phezukomoya Wind Energy Facility (WEF) was granted by the Department of Environmental Affairs in June 2018. An EA Amendment application process for the proposed split of the San Kraal WEF and Phezukomoya WEF into four WEFs will be followed. Applications will be submitted to the Department of Environmental Affairs for the split of the authorised San Kraal WEF (DEA Ref. No. 14/12/16/3/3/2/1029 and 14/12/16/3/3/2/1029/AM1) ('San Kraal') into two WEFs (namely San Kraal Split 1 and Hartebeesthoek East), and the Phezukomoya WEF (DEA Ref. No. 14/12/16/3/3/2/1028 and 14/12/16/3/3/2/1028/AM1) ('Phezukomoya') into two WEFs (namely Phezukomoya Split 1 and Hartebeesthoek West).

**KENNISGEWING VAN EA WYSIGINGS AANSOEKPROSES: VOORGESTELDE SAN KRAAL AND PHEZUKOMOYA – WINDKRAAGANLEG, IN DIE NOORD-KAAP EN OOS-KAAP**

Kennis word hiermee gegee dat 'n Proses van Openbare Deelname (PPP) ingevolge die Wet op Nasionale Omgewingsbestuur, 1998 (Wet Nr. 107 van 1998), soos gewysig, onderneem word.  
**DEA Verwysingsnommer: Moet nog bevestig word**  
Ouer DEA Verwysingsnommer of the San Kraal WEF: 14/12/16/3/3/2/1029 and 14/12/16/3/3/2/1029/AM1 en Phezukomoya WEF: 14/12/16/3/3/2/1028 and 14/12/16/3/3/2/1028/AM1  
**Aard en Ligging van Aktiwiteit:** Die Omgewingsmagtiging (EA) vir die San Kraal Windkragaanleg (WEF) en Phezukomoya Windkragaanleg (WEF) is in Junie 2018 deur die Departement van Omgewingsake (DEA) toegestaan. 'n EA wysigings aansoekproses vir die voorgestelde split van die San Kraal WEF en Phezukomoya WEF in vier WEFS sal gevolg word. Aansoeke sal by die Departement van Omgewingsake (DEA) ingedien word vir die split van die gemagtigde San Kraal WEF (DEA Verwysingsnommer. 14/12/16/3/3/2/1029 en 14/12/16/3/3/2/1029/AM1) ('San Kraal') in twee WEFs (naamlik San Kraal Split 1 en Hartebeesthoek East), en die Phezukomoya WEF (DEA Verwysingsnommer 14/12/16/3/3/2/1028 en 14/12/16/3/3/2/1028/AM1) ('Phezukomoya') in twee WEFs (naamlik Phezukomoya Split 1 en Hartebeesthoek West).

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**NOTIFICATION OF BASIC ASSESSMENT PROCESS: PROPOSED SAN KRAAL AND PHEZUKOMOYA WIND ENERGY FACILITY, NORTHERN AND EASTERN CAPE PROVINCE**

Notice is hereby given of a Public Participation Process (PPP) to be undertaken in terms of the National Environmental Management Act, 1998 (Act No. 107 of 1998), as amended.  
**DEA Reference Number: To Be Confirmed**  
**Nature and Location of Activity: The Applicant:** EDF Renewables (Pty) Ltd, is submitting an application for environmental authorisation for the electrical grid connection and associated infrastructure related to the proposed split of the authorised WEFs, i.e. San Kraal Split 1 WEF; Phezukomoya Split 1 WEF; Hartebeesthoek East WEF and Hartebeesthoek West WEF. A basic assessment process is being followed because a new corridor has been proposed, and part of the corridor is located outside the authorised site boundaries (of San Kraal and Phezukomoya).

**KENNISGEWING VAN DIE BASIESE ASSESSERINGSPROSES: VOORGESTELDE SAN KRAAL AND PHEZUKOMOYA – WINDKRAAGANLEG, IN DIE NOORD-KAAP EN OOS-KAAP**

Kennis word hiermee gegee dat 'n Proses van Openbare Deelname (PPP) ingevolge die Wet op Nasionale Omgewingsbestuur, 1998 (Wet Nr. 107 van 1998), soos gewysig, onderneem word.  
**DEA Verwysingsnommer: Moet nog bevestig word**  
**Aard en Ligging van Aktiwiteit: Die Aansoeker:** EDF Renewables (Edms) Bpk, dien 'n aansoek in vir omgewingsmagtiging vir die elektriese netaansluiting en gepaardgaande infrastruktuur wat verband hou met die voorgestelde split van die gemagtigde WEF's, i.e. San Kraal Split 1 WEF; Phezukomoya Split 1 WEF; Hartebeesthoek East WEF en Hartebeesthoek West WEF. 'n Basiese assesseringsproses word gevolg omdat 'n nuwe gang voorgestel is, en part daarvan is buite die gemagtigde perseelgrense (van San Kraal en Phezukomoya) geleë is.

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The **Draft EA Amendment and Basic Assessment Reports** will be made available for public review and comment in September 2019 (exact date of availability to be confirmed in notification to all registered I&APs) at the Noupport Library and on the website: [www.arcusconsulting.co.za](http://www.arcusconsulting.co.za).  
With reference to the proposed developments, if you wish to be registered as an Interested and Affected Party (I&AP), please send your request for registration in writing to the address below.

Die **Konsep EA Wysigingsverslag en Basiese Assessingsproses** sal beskikbaar gestel word vir openbare oorweging en kommentaarlewering in September 2019 (presiese datum van beskikbaarheid sal bevestig word aan alle geregisterde B&GPe deur kennisgewings) by die Noupport Biblioteek; en op die webtuiste [www.arcusconsulting.co.za](http://www.arcusconsulting.co.za).  
Met verwysing na die voorgestelde ontwikkeling, indien u as 'n Belanghebbende en Geaffekteerde Party (B & GP) wil registreer, stuur asseblief u versoek om registrasie skriftelik na die onderstaande adres.

**Arcus Consultancy Services South Africa (Pty) Ltd**  
Reference / Verwysing: 3329 Projects  
Email / E-Pos: projects@arcusconsulting.co.za  
Post / Pos: Office 607 Cube Workspace, Icon Building, Cnr Long Street and Hans Strijdom Avenue, Cape Town, 8001  
Telephone / Telefoon: +27 21 412 1529  
Person / Persoon : Aneesah Alwie

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**APPENDIX D: I&AP DATABASE**

FARM / DEPARTMENT	NAME	SURNAME	TELEPHONE	EMAIL ADDRESS	POSTAL ADD.	CITY	CODE
RE/61, 6/61, RE/4/61	Abbott	Erasmus	0825790501	paardevei@adsactive.com / n.paardevei@gmail.com			
National Department of Water and Sanitation	Abe	Abrahams	0538308800/6 7600	<a href="mailto:AbrahamsA@dws.gov.za">AbrahamsA@dws.gov.za</a>	Private Bag X6101	Kimberley	8300
Wildlife and Environment Society of South Africa (WESSA)	Admin	Admin	0114625663	<a href="mailto:jnbadmin@wessa.co.za">jnbadmin@wessa.co.za</a>	PO Box 435	Ferndale	2160
Square Kilometre Array Africa	Adrian	Tiplady	0114422434	<a href="mailto:atiplady@ska.ac.za">atiplady@ska.ac.za</a>			
Sustainable Energy Society of Southern Africa (SESSA)	Adriana	Chickesh	0112140668	<a href="mailto:office@sessa.org.za">office@sessa.org.za</a>	53 Dudley Road	Parkwood	2193
Sender Technology Park (STP) SENTECH	Alishea	Viljoen			Private Bag X06	Honeydew	2040
Southern African Alternative Energy Association (SAAEA)	Alwyn	Smith	0716378466	<a href="mailto:alwyn@saaea.org">alwyn@saaea.org</a>	PO Box 866	Welobie	1714
15/182; 3/182; 14; 46/182	Amos	Mpela	0517530777	mpela@umsobomvumun.co.za / birtus@umsobomvumun.co.za			
47/182; RE/182	Amos	Mpela	0517530777	mpela@umsobomvumun.co.za / birtus@umsobomvumun.co.za			
Umsobomvu Local Municipality	Amos	Mpela		<a href="mailto:msestile@umsobomvumun.co.za">msestile@umsobomvumun.co.za</a>			
National Energy Regulator of South Africa (NERSA)	Andile	Gxasheka	0124014600	Andile.Gxasheka@nersa.org.za	PO Box 40343	Arcadia	0007
Salinga Farmers Association (Northern Cape)	Andile	Gwatu	0782233123				
Umsobomvu Local Municipality	Annie	Fritz	0517530253	wminnie@umsobomvumun.co.za / sbrown@umsobomvumun.co.za	Private Bag X7	Colesberg	9795
Department of Rural Development and Land Reform	Aphiwe	Fayindlala	0437007003	<a href="mailto:aphiwe.fayindlala@drdlr.gov.za">aphiwe.fayindlala@drdlr.gov.za</a>			
SALGA Eastern Cape	Aseza	Dlanjwa	0437271150		PO Box 19511	East London	5214
National Department of Mineral Resources	Azwihangwisi	Mulaudzi	0413963900	<a href="mailto:Azwihangwisi.Mulaudzi@dmr.gov.za">Azwihangwisi.Mulaudzi@dmr.gov.za</a>	Private Bag X6076	Port Elizabeth	6000
Environmental Quality Management, DEDEA	Bhelinda	Mtambo	0458084000	<a href="mailto:bhelinda.mtamo@dedea.gov.za">bhelinda.mtamo@dedea.gov.za</a>			
Department of Finance, Economic Development, Environmental Affairs and Tourism	Bongani	Gxilishe	0436057004	<a href="mailto:mncedisi.makosonke@deaet.ecape.gov.za">mncedisi.makosonke@deaet.ecape.gov.za</a>			
Department of Rural Development and Agrarian Reform	Bongikaya	Dayimani	0436423497	<a href="mailto:bongikaya.dayimani@drdar.gov.za">bongikaya.dayimani@drdar.gov.za</a>	Private Bag X0040	Bhisho	5605
National Department of Water and Sanitation	Carlo	Schrader	0514059300	<a href="mailto:SchraderC@dws.gov.za">SchraderC@dws.gov.za</a>	PO Box 528	Bloemfontein	
Mainstream Renewable Power	Catharina	Stone	02165774040	<a href="mailto:Catharina.Stone@mainstreamrp.com">Catharina.Stone@mainstreamrp.com</a>			
Chris Hani District Municipality	Cira	Ngetu	0458084000	<a href="mailto:cira.ngetu@deaet.ecape.gov.za">cira.ngetu@deaet.ecape.gov.za</a>	PO Box 9636	Queenstown	5320
Leads 2 Business	Claire	Threadingham	0860836337	<a href="mailto:ClaireT@L2B.co.za">ClaireT@L2B.co.za</a>			
SANRAL	Colene	Runkel	0219574600	runkelc@nra.co.za	Private Bag X19	Bellville	7535
MTCR	DA	Mnweba		<a href="mailto:mtrc.ltd@gmail.com">mtrc.ltd@gmail.com</a>			
Department of Environment & Nature Conservation	Dineo	Moleko	0538077300	dmoleko@ncpg.gov.za / denc@ncpg.gov.za	90 Long Street Private Bag X6120	Kimberley	8301
Umsobomvu Local Municipality	Dionne	Visagie		<a href="mailto:dionne@umsobomvumun.co.za">dionne@umsobomvumun.co.za</a>			
National Department of Rural Development and Land Reform	Dr N	Makgalemele	0123129665	<a href="mailto:karen.vanschalkwyk@drdlr.gov.za">karen.vanschalkwyk@drdlr.gov.za</a>	Room 246, Old Building, 184 Jacob Mare (Jeff Masemola) Street	Pretoria	0001
Agri Eastern Cape	Eben			<a href="mailto:potfontein@gmail.com">potfontein@gmail.com</a>			
Transnet	Eddie	Seaton	0113082417	<a href="mailto:eddie.seaton@transnet.net">eddie.seaton@transnet.net</a>	PO Box 72501	Parkview	2122
1/133, RE/133	Faunteroy Bartholomew	Gillmer	0834552052	<a href="mailto:fauntyg@vodamail.co.za">fauntyg@vodamail.co.za</a>			
Department of Finance, Economic Development, Environmental Affairs and Tourism	Fezeka	Boyi		<a href="mailto:fezeka.boyi@dedea.gov.za">fezeka.boyi@dedea.gov.za</a>			
Chris Hani District Municipality	Francois	Nel	0458084610		PO Box 9636	Queenstown	5320

Department of Cooperative Governance, Human Settlements and Traditional Affairs	G	Botha	0538309427 / 22	<a href="mailto:jpetersen@ncpg.gov.za">jpetersen@ncpg.gov.za</a>	Private Bag X5005	Kimberley	8300
Ptn 5 of Salpeter Krans / Ptn 4 of Wolwe Kop	George Sebastian	Moore			PO Box 64	Middelburg	5900
RE 181	Gerhard	Taljaard	0824466459	<a href="mailto:elizetaljaard5@gmail.com">elizetaljaard5@gmail.com</a>			
Department of Finance, Economic Development, Environmental Affairs and Tourism	Gerry	Pienaar	0824584593	<a href="mailto:gerry.pienaar@dedea.gov.za">gerry.pienaar@dedea.gov.za</a>	Global Life Building	Bhisho	5605
Department of Finance, Economic Development, Environmental Affairs and Tourism	Ncumisa	Manyonga	0738372031	<a href="mailto:ncumisa.manyonga@dedea.gov.za">ncumisa.manyonga@dedea.gov.za</a>	Global Life Building	Bhisho	5605
Department of Finance, Economic Development, Environmental Affairs and Tourism	Alistair	McMaster	0718653771	<a href="mailto:Alistair.McMaster@dedea.gov.za">Alistair.McMaster@dedea.gov.za</a>			
Ptn 1 of Elandsheuwel	Hendrikus Jacobus	Visser	0498431520		PO Box 5	Middelburg	5900
Agri Northern Cape	Henning	Myburgh	0538329595	<a href="mailto:henning@agrink.co.za">henning@agrink.co.za</a>	PO Box 1094	Kimberley	8300
RE/67 Kapok Hoek	Henry	Retief	0498424343	<a href="mailto:hennie@triotrust.co.za">hennie@triotrust.co.za</a>			
Department of Transport	Irene	Mpolweni	0436047415 / 7472	<a href="mailto:angie.majongile@dot.ecprov.gov.za">angie.majongile@dot.ecprov.gov.za</a>	Private Bag X0023	Bhisho	5605
Pixley ka Seme District Municipality	Jack	Maccollan	0536310891	<a href="mailto:pixley@telkomsa.net">pixley@telkomsa.net</a>	Private Bag X1012	De Aar	7000
Department of Agriculture, Forestry and Fisheries	Jacoline	Mans	0543385860	<a href="mailto:jacolineMa@daff.gov.za">jacolineMa@daff.gov.za</a>	PO Box 2782	Upington	8800
Community Safety and Security	Janine	Carstensen		<a href="mailto:jan@safetyzonesa.co.za">jan@safetyzonesa.co.za</a>			
18/1; RE/11/1; 3/1; 2/11; 12/1; 21/ 1 RE/13/1	Jean	Gillmer	0498431434	<a href="mailto:jean.gillmer@karoomail.co.za">jean.gillmer@karoomail.co.za</a>			
RE/117 ; 1/117	Jim	de Villiers	0836549256	<a href="mailto:jdv@eik.co.za">jdv@eik.co.za</a>			
South African Wind Energy Association (SAWEA)	Johan	van der Berg	0112140660	<a href="mailto:johan@sawea.org.za">johan@sawea.org.za</a>			
Ptn 2 of Groene Kloof / Blydefontein	Johannes Jurie	Lessing	0498431710		PO Box 52	Noupoort	5950
Bergendal	Johannes Marthinus	Du Toit	0498431588		PO Box 145	Noupoort	5950
Eskom: Renewable Energy	John	Geeringh	0115167233	<a href="mailto:john.geeringh@eskom.co.za">john.geeringh@eskom.co.za</a>	PO Box 1091	Johannesburg	2000
South African Bat Assessment Association (SABAAP)	Kate	McEwan		<a href="mailto:madaboutbats@gmail.com">madaboutbats@gmail.com</a> / <a href="mailto:kate@iws-sa.co.za">kate@iws-sa.co.za</a>			
Department of Rural Development and Land Reform	Katshaba	Goafhiwe	0538304001	<a href="mailto:katshaba.gaofhiwe@drdlr.gov.za">katshaba.gaofhiwe@drdlr.gov.za</a>			
Private Guest House Owner	L	De Swardt	0498431075	<a href="mailto:booking@thedon@gmail.co.za">booking@thedon@gmail.co.za</a>			
Ptn 5 of Groote Hoek	Laurraine Eugene	Miller	0828420008		PO Box 548	Middelburg	5900
Eastern Cape Provincial Heritage Resources Authority (ECPHRA)	Lennox	Zote	0437221740 / 6		PO Box 759	East London	5200
Telkom SA Limited	Leonard	Shaw	0123112012	<a href="mailto:ShawLS@telkom.co.za">ShawLS@telkom.co.za</a>	Private Bag X74	Pretoria	0001
Department of Cooperative Governance and Traditional Affairs	Lerato	Sebiloane	0406095656 / 58	<a href="mailto:lerato.sebiloane@ecjgta.gov.za">lerato.sebiloane@ecjgta.gov.za</a>	Private Bag X0035	Bhisho	5605
SALGA Northern Cape	Lesang	Daniels	0538367900		PO Box 3183	Kimberley	8300
Salinga Farmers Association (Northern Cape)	LH	Fuba	0607038354				
1/120, 1/135, 2/3, 3/3, 7/3, 8/3, RE/3, 4/3, 6/3, 2/61, 3/133, 2/61, 3/133	Lindo	van der Merwe	0498431506	<a href="mailto:transkaroo@eik.co.za">transkaroo@eik.co.za</a>			
South African Civil Aviation Authority (CAA)	Lizelle	Stroh	0115451232 / 1455	<a href="mailto:strohl@caa.co.za">strohl@caa.co.za</a>	Private Bag X73	Halfway House	1685
Endangered Wildlife Trust	Lourens	Leeuwner	0217885661	<a href="mailto:lourensl@ewt.org.za">lourensl@ewt.org.za</a>	Private Bag X11	Modderfontein	1645
Agri Northern Cape	Lucelle	van Niekerk	0538329595	<a href="mailto:ontvangs@agrink.co.za">ontvangs@agrink.co.za</a>	PO Box 1094	Kimberley	8300
National Department of Agriculture, Forestry and Fisheries	M.E	Tau	0124730236	<a href="mailto:MmaphakaT@daff.gov.za">MmaphakaT@daff.gov.za</a>	Private Bag X250	Tecoma	5214
Air Traffic and Navigation Services (ATNS) SOC Limited	Makaya	Mamogale	0116071000	<a href="mailto:makayam@atns.co.za">makayam@atns.co.za</a>	Private Bag X15	Kempton Park	1650

National Department of Rural Development and Land Reform	Malebo	Baloi	0123129801	<a href="mailto:Malebo.baloi@drdlr.gov.za">Malebo.baloi@drdlr.gov.za</a>			
Salanga Farmers Association (Northern Cape)	Mande	Mfengu	0840588600				
National Department of Government Communication and Information System	Marius	Nagel	0538321378 / 9	<a href="mailto:mariusn@gcis.gov.za">mariusn@gcis.gov.za</a>	Private Bag X6101	Kimberley	8300
National Department of Agriculture, Forestry and Fisheries	Mashudu	Marubini	0123197619	<a href="mailto:MashuduMa@daff.gov.za">MashuduMa@daff.gov.za</a>	Private Bag x120	Pretoria	0001
National Department of Rural Development and Land Reform	Mathemba	Gcasamba	0437007003	<a href="mailto:Mathemba.Gcasamba@drdlr.gov.za">Mathemba.Gcasamba@drdlr.gov.za</a>	PO Box 1958	East London	5200
National Department of Rural Development and Land Reform	Mduduzi	Shabane	0123128503	<a href="mailto:DGOffice@drdlr.gov.za">DGOffice@drdlr.gov.za</a>	Private Bag X833	Pretoria	0001
Agriculture, Forestry and Fisheries	Melvin Mothese	Charlie	0437046800 / 15	<a href="mailto:MelvinC@daff.gov.za">MelvinC@daff.gov.za</a>	Private Bag X04	Tecoma	5214
National Department of Energy	Mokgadi	Mathekgana	0124068000	<a href="mailto:Nokuthula.Mbeje@energy.gov.za">Nokuthula.Mbeje@energy.gov.za</a>	Private Bag X96	Pretoria	0001
SALGA Northern Cape	Mr	Jahannes	0538367900		PO Box 3183	Kimberley	8300
Earthlife Africa	Muna	Lakhani	0834717276	<a href="mailto:muna@iafrica.com">muna@iafrica.com</a>			
Umsobomvu Local Municipality	Mzimbhulu	Sesthile	0517530253		Private Bag X8	Colesberg	9795
Department of Sport, Recreation, Arts and Culture	Mzolisi	Matutu	0436044019	<a href="mailto:mzolisi.matutu@src.ecprov.gov.za">mzolisi.matutu@src.ecprov.gov.za</a>			
Inxuba Yethemba Local Municipality	Mzwandile Sydney	Tantsi	0488015000	<a href="mailto:mzwandile@iy.gov.za">mzwandile@iy.gov.za</a>	PO Box 24	Cradock	5880
South African Heritage Resources Agency (SAHRA) - National	Natasha	Higgitt	0214624502	<a href="mailto:nhiggitt@sahra.org.za">nhiggitt@sahra.org.za</a>	111 Harrington Street	Cape Town	7925
Department of Transport, Roads and Public Works	Natasha	Corns	0538392109	<a href="mailto:ncorns@ncpg.gov.za">ncorns@ncpg.gov.za</a>	PO Box 3132	Kimberley	8300
Agri Eastern Cape	Natasja	Barkhuizen	0413631890 / 96	<a href="mailto:natasja.barkhuizen@agriec.co.za">natasja.barkhuizen@agriec.co.za</a>	PO Box 34889	Port Elizabeth	6055
Umsobomvu Local Municipality	Ncedo	Thiso		<a href="mailto:ncedo@umsobomvumun.co.za">ncedo@umsobomvumun.co.za</a>			
National Department of Government Communication and Information System	Ndlelantle	Pinyana	0737222609 / 2602 / 490	<a href="mailto:ndlelantle@gcis.gov.za">ndlelantle@gcis.gov.za</a>	Private Bag X608	East London	5200
SANRAL	Nicole	Abrahams	0219574602	<a href="mailto:Abrahamsn@nra.co.za">Abrahamsn@nra.co.za</a>	Private Bag X19	Bellville	7535
Environmental Quality Management, DEDEA	Nondwe	Mdekazi-Nkqubezelo	0458084000	<a href="mailto:nondwe.mdekazi@dedea.gov.za">nondwe.mdekazi@dedea.gov.za</a>			
Department of Communication	Nozipho N	Mndaweni	012473000		Private Bag X745	Pretoria	0001
National Department of Mineral Resources	Ntsundeni	Ravhugoni	0538071700	<a href="mailto:Sunday.mabaso@dmr.gov.za">Sunday.mabaso@dmr.gov.za</a>	Private Bag 6093	Kimberley	8300
National Department of Mineral Resources	Nwabisa	Qwanyashe	0124443880	<a href="mailto:nwabisa.qwanyashe@dmr.gov.za">nwabisa.qwanyashe@dmr.gov.za</a>	Private Bag X59	Pretoria	0007
SALGA Northern Cape	Obed	Mvula	0538304001		Private Bag X5007	Kimberley	8300
National Department of Water and Sanitation	P	Makhanya	0436045406	<a href="mailto:MakhanyaP@dwa.gov.za">MakhanyaP@dwa.gov.za</a>	Private Bag X7485	King Williams Town	5600
National Department of Government Communication and Information System	Phumla	Williams	0124730236	<a href="mailto:phumla@gcis.co.za">phumla@gcis.co.za</a>	Private Bag X745	Pretoria	0001
National Department of Water and Sanitation	Phumzile	Mdakane	0123366990	<a href="mailto:Mdakanep@dwa.gov.za">Mdakanep@dwa.gov.za</a>	Private Bag X313	Pretoria	0001
1/11 ; RE/13	Pieter	Erasmus	0825587178	beskuitfontein@gmail.com / perasmus@ovk.co.za			
RE/1/1	Pieter	Jordaan	0824996609	tollie@isat.co.za			
Ludlow	Pieter Willem Jr	Jordaan			PO Box 521	Middelburg	5900
National Department of Government Communication and Information System	Precian	Tshitaudzi	0124730169	<a href="mailto:phumla@gcis.co.za">phumla@gcis.co.za</a>	Private Bag X745	Pretoria	0001
National Department of Rural Development and Land Reform	Pule	Salia	0123129801	<a href="mailto:Ramaleho.saila@drdlr.gov.za">Ramaleho.saila@drdlr.gov.za</a>			
Department of Transport	Pule Godfrey	Selepe	0123093000	<a href="mailto:info@dot.gov.za">info@dot.gov.za</a>	Private Bag X193	Pretoria	0001
Mainstream Renewable Power	Rebecca	Thomas	02165774040	<a href="mailto:Rebecca.Thomas@mainstreamrp.com">Rebecca.Thomas@mainstreamrp.com</a>			



SANRAL	Rene	de Kock	0219574607	<a href="mailto:Dekockr@nra.co.za">Dekockr@nra.co.za</a>			
Wildlife and Environment Society of South Africa (WESSA)	Rudzani	Nemukula	0114625663	<a href="mailto:rudzani.nemukula@wessa.co.za">rudzani.nemukula@wessa.co.za</a>	PO Box 435	Ferndale	2160
Commision of Restitution of Land Rights	Ryan	Oliver		<a href="mailto:ryan.oliver@drdlr.gov.za">ryan.oliver@drdlr.gov.za</a>			
Department of Environmental Affairs	Salome	Mambane	0123999385	<a href="mailto:Smambane@environment.gov.za">Smambane@environment.gov.za</a>	473 Steve Biko Road Arcadia Private Bag X 447	Pretoria	0001
Southern African Large Telescope	SALT	SALT	0235711205	<a href="mailto:salt@salt.ac.za">salt@salt.ac.za</a>	Old Fraserburg Road	Sutherland	6920
Birdlife South Africa	Samantha	Ralston	0117891122	<a href="mailto:energy@birdlife.org.za">energy@birdlife.org.za</a>	Private Bag X5000	Parklands	2121
Agricultural Research Council	Shadrack	Moephuli	0124279700	<a href="mailto:enquiry@arc.agric.za">enquiry@arc.agric.za</a>	PO Box 8783	Pretoria	0001
Department of Environmental Affairs: Biodiversity and Conservation	Shonisani	Munzhedzi	0123999171	<a href="mailto:smunzhedzi@environment.gov.za">smunzhedzi@environment.gov.za</a>			
SANRAL	Simon	Peterson	0413983200	Kleinhansm@nra.co.za	PO Box 27230	Greenacres	6057
Department of Environmental Affairs: Biodiversity and Conservation	Simon	Malete	0123999511	<a href="mailto:smalete@environment.gov.za">smalete@environment.gov.za</a>			
Umsobomvu Local Municipality	Simphiwe	Nkcithiso		<a href="mailto:simphiwe@umsobomvumun.co.za">simphiwe@umsobomvumun.co.za</a>			
Southern African Faith Communities' Environment Institute	Stefan	Cramer	0498910458	<a href="mailto:stefan@safcei.org.za">stefan@safcei.org.za</a>	PO Box 677	Graaf-Reinet	6280
Environmental management / Bat impact assessments	Stephanie	Dippenaar	0218801653	<a href="mailto:sdippenaar@snowisp.com">sdippenaar@snowisp.com</a>			
South African Astronomical Observatory	Ted	Williams		<a href="mailto:williams@sao.ac.za">williams@sao.ac.za</a>			
Transnet	Thandeka	Nohoyeka	0415071316	<a href="mailto:thandeka.nohoyeka@transnet.net">thandeka.nohoyeka@transnet.net</a>			
SALGA Northern Cape	Thatelo	Itumeleng	0538367900	<a href="mailto:ithatelo@salga.org.za">ithatelo@salga.org.za</a>	PO Box 3183	Kimberley	8300
Agri SA	Thea	Liebenberg	0126433434	<a href="mailto:thea@agrisa.co.za">thea@agrisa.co.za</a>	Private Bag X180	Centurion	0046
Umsobomvu Local Municipality	Themba	Mosompha		<a href="mailto:mosomphat@umsobomvumun.co.za">mosomphat@umsobomvumun.co.za</a>			
National Energy Regulator of South Africa (NERSA)	Thembani	Bukula	0124014600	<a href="mailto:thembani.bukula@nersa.org.za">thembani.bukula@nersa.org.za</a>	PO Box 40343	Arcadia	0007
National Department of Agriculture, Forestry and Fisheries	Thoko	Buthelezi	0123197634	<a href="mailto:ThokoB@daff.gov.za">ThokoB@daff.gov.za</a>	Private Bag x120	Pretoria	0001
Ptn 11 of New Jakhalsfontein; Hughdale	Thomas Johannes	van der Walt	0498431706	<a href="mailto:tomvdwalt@gmail.com">tomvdwalt@gmail.com</a>	PO Box 102	Noupoort	5950
Department of Agriculture and Rural Development	Thozi	Manyisana	0406093472 / 74	<a href="mailto:thozi.man@gmail.com">thozi.man@gmail.com</a>	Private Bag X0040	Bhisho	5605
Department of Agriculture and Rural Development	Thozi	Manyisana	0406093472 / 74	<a href="mailto:thozi.man@gmail.com">thozi.man@gmail.com</a>	Private Bag X0040	Bhisho	5605
Ngwao Boswa Kapa Bokoni (Provincial Heritage Resources Authority)	Timothy	Ratha	0538312537	<a href="mailto:rtimothy@nbkb.org.za">rtimothy@nbkb.org.za</a>	PO Box 1930	Kimberley	8300
Department of Environmental Affairs	Toinette	van der Merwe	0123998630	<a href="mailto:tvandermerwe@environment.gov.za">tvandermerwe@environment.gov.za</a>	Provate Bag X 447	Pretoria	0001
Mainstream Renewable Power	Tom	Thorogood	02165774040	<a href="mailto:tom.thorogood@mainstreamrp.com">tom.thorogood@mainstreamrp.com</a>			
Square Kilometre Array Africa	Tshegofatso	Monama		<a href="mailto:temonama@ska.ac.za">temonama@ska.ac.za</a>			
Department of Environment & Nature Conservation	Tsholo	Makaudi	0538077300	<a href="mailto:amabunda@grand.ncape.gov.za">amabunda@grand.ncape.gov.za</a>	Private Bag X6120	Kimberley	8301
South African Heritage Resources Agency (SAHRA) - National	Veliswa	Baduza	0214624502	<a href="mailto:vbaduza@sahra.org.za">vbaduza@sahra.org.za</a>	PO Box 4637	Cape Town	8000
SALGA Northern Cape	Viljoen	Mothibi	0538389118	<a href="mailto:fortunec@ncpg.gov.za">fortunec@ncpg.gov.za</a> / <a href="mailto:gmothibi@ncpg.gov.za">gmothibi@ncpg.gov.za</a> / <a href="mailto:vmothibi@ncpg.gov.za">vmothibi@ncpg.gov.za</a>	Private Bag X5018	Kimberley	8300
RE/118	Vivian	van der Merwe	0514303396	<a href="mailto:attsec@mindek.co.za">attsec@mindek.co.za</a> / <a href="mailto:klwatt@roundbar.co.za">klwatt@roundbar.co.za</a>			
Salinga Farmers Association (Northern Cape)	Vuyo	Nkobongo	0735330530				
Department of Social Development	Vuyokazi	Sangini	0436055058	<a href="mailto:Vuyokazi.sangoni@ecdsd.gov.za">Vuyokazi.sangoni@ecdsd.gov.za</a>	Private Bag X0039	Bhisho	5605

Department of Environmental Affairs: Biodiversity and Conservation	Wadzi	Mandivenyi	0123999619	<a href="mailto:wmandivenyi@environment.gov.za">wmandivenyi@environment.gov.za</a>			
Ptn 15 of Falsefontein	Willem Hendrik Jacobsz	van Reenen			PO Box 42	Noupoort	5950
Transnet	Willie	Zietsman	0415071318	<a href="mailto:willie.ziedsman@transnet.net">willie.ziedsman@transnet.net</a> / <a href="mailto:williezietsman@transnet.net">williezietsman@transnet.net</a>			
Endangered Wildlife Trust	Yolan	Friedman	0113723600		Private Bag X11	Modderfontein	1645
Department of Social Development	Zintle	Hlobo	0725134262	<a href="mailto:zintleh@ecdhs.gov.za">zintleh@ecdhs.gov.za</a>	Private Bag X31008	East London	5206
National Department of Rural Development and Land Reform	Zongezile	Bongo		<a href="mailto:zongezile.bango@drdlr.gov.za">zongezile.bango@drdlr.gov.za</a>		Pretoria	0001
Department of Roads and Public Works	Zukiswa	Ngwane	0406024256 / 4804	<a href="mailto:Zukiswa.Ngwane@dpw.ecape.gov.za">Zukiswa.Ngwane@dpw.ecape.gov.za</a>	Private Bag X0022	Bhisho	5606
Ptn 8 of Damfontein; Ptn 3 of Wonderheuvel					PO Box 58	Middelburg	5900
Mooi Plaats			0495431501		PO Box 12	Middelburg	5900
Vlage Kop					PO Box 124	Noupoort	5950
Northern Cape Tourism Authority			0538331434 / 0538322657	<a href="mailto:info@experiencenortherncape.com">info@experiencenortherncape.com</a>	Private Bag X5107	Kimberley	8300
Karoo News Group			0603341648	<a href="mailto:karoonegroup@gmail.com">karoonegroup@gmail.com</a>			
Saamvat Construction			0628720220				
Eastern Cape Parks and Tourism Agency			0434920881	<a href="mailto:info@ecpta.co.za">info@ecpta.co.za</a>	17 - 25 Oxford Street	East London CBD	5201
Private	Mario	Bratz	0799797829	<a href="mailto:mario.bratz@yahoo.com">mario.bratz@yahoo.com</a>			
Private	Alfranzo	Smit	0795008361	<a href="mailto:alfranzosmit@gmail.com">alfranzosmit@gmail.com</a>			
Noupoort Library	Martha	van Eck	0498431056/7 ext. library 2076	<a href="mailto:noupoortlib@ncpg.gov.za">noupoortlib@ncpg.gov.za</a>	Shaw Street	Noupoort	5950

**APPENDIX E: NOTIFICATION OF AVAILABILITY OF THE DRAFT  
AMENDMENT REPORT**

**Dear Interested and Affected Party,**

**NOTIFICATION OF EA AMENDMENT APPLICATION PROCESS: SAN KRAAL AND PHEZUKOMOYA WIND ENERGY FACILITY, NORTHERN AND EASTERN CAPE PROVINCE**

Notice is hereby given of a Public Participation Process (PPP) to be undertaken in terms of the National Environmental Management Act, 1998 (Act No. 107 of 1998), as amended.

**DEA Reference Number: To Be Confirmed**

Older DEA Reference Number of the San Kraal WEF:

14/12/16/3/3/2/1029 and 14/12/16/3/3/2/1029/AM1 and the Phezukomoya WEF: 14/12/16/3/3/2/1028 and 14/12/16/3/3/2/1028/AM1

**Nature and Location of Activity:** The Environmental Authorisation (EA) for the San Kraal Wind Energy Facility (WEF) and the Phezukomoya Wind Energy Facility (WEF) was granted by the Department of Environmental Affairs in June 2018. An EA Amendment application process for the proposed split of the San Kraal WEF and Phezukomoya WEF into four WEFs will be followed. Applications will be submitted to the Department of Environmental Affairs for the split of the authorised San Kraal WEF (DEA Ref. No. 14/12/16/3/3/2/1029 and 14/12/16/3/3/2/1029/AM1) ('San Kraal') into two WEFs (namely San Kraal Split 1 and Hartebeesthoek East), and the Phezukomoya WEF (DEA Ref. No. 14/12/16/3/3/2/1028 and 14/12/16/3/3/2/1028/AM1) ('Phezukomoya') into two WEFs (namely Phezukomoya Split 1 and Hartebeesthoek West).

**NOTIFICATION OF BASIC ASSESSMENT PROCESS: PROPOSED SAN KRAAL AND PHEZUKOMOYA WIND ENERGY FACILITY, NORTHERN AND EASTERN CAPE PROVINCE**

Notice is hereby given of a Public Participation Process (PPP) to be undertaken in terms of the National Environmental Management Act, 1998 (Act No. 107 of 1998), as amended.

**DEA Reference Number: To Be Confirmed**

**Nature and Location of Activity:** The Applicant, Hartebeesthoek Wind Power (Pty) Ltd, is submitting an application for environmental authorisation for the electrical grid connection and associated infrastructure related to the proposed split of the authorised WEFs, i.e. San Kraal Split 1 WEF; Phezukomoya Split 1 WEF; Hartebeesthoek East WEF and Hartebeesthoek West WEF. A basic assessment process is being followed because a new corridor has been proposed, and part of the corridor is located outside the authorised site boundaries (of San Kraal and Phezukomoya).

The **Draft EA Amendment and Basic Assessment Reports** are available for public review and comment from 26 September 2019 to 25 October 2019 at the Noupoot Library and on the website: [www.arcusconsulting.co.za](http://www.arcusconsulting.co.za).

With reference to the proposed developments, if you wish to be registered as an Interested and Affected Party (I&AP), please send your request for registration in writing to the address below.

**KENNISGEWING VAN EA WYSIGINGS AANSOEKPROSES: VOORGESTELDE SAN KRAAL AND PHEZUKOMOYA –WINDKRAGAAANLEG, IN DIE NOORD-KAAP EN OOS-KAAP**

Kennis word hiermee gegee dat 'n Proses van Openbare Deelname (PPP) ingevolge die Wet op Nasionale Omgewingsbestuur, 1998 (Wet Nr. 107 van 1998), soos gewysig, onderneem word.

**DEA Verwysingsnommer: Moet nog bevestig word**

Ouer DEA Verwysingsnommer of the San Kraal WEF:

14/12/16/3/3/2/1029 and 14/12/16/3/3/2/1029/AM1 en Phezukomoya WEF: 14/12/16/3/3/2/1028 and 14/12/16/3/3/2/1028/AM1

**Aard en Ligging van Aktiwiteit:** Die Omgewingsmagtiging (EA) vir die San Kraal Windkragaanleg (WEF) en Phezukomoya Windkragaanleg (WEF) is in Junie 2018 deur die Departement van Omgewingsake (DEA) toegestaan. 'n EA wysigings aansoekproses vir die voorgestelde split van die San Kraal WEF en Phezukomoya WEF in vier WEFs sal gevolg word. Aansoek sal by die Departement van Omgewingsake (DEA) ingedien word vir die split van die gemagtigde San Kraal WEF (DEA Verwysingsnommer. 14/12/16/3/3/2/1029 en 14/12/16/3/3/2/1029/AM1) ('San Kraal') in twee WEFs (naamlik San Kraal Split 1 en Hartebeesthoek East), en die Phezukomoya WEF (DEA Verwysingsnommer 14/12/16/3/3/2/1028 en 14/12/16/3/3/2/1028/AM1) ('Phezukomoya') in twee WEFs (naamlik Phezukomoya Split 1 en Hartebeesthoek West).

**KENNISGEWING VAN DIE BASIESE ASSESSERINGSPROSES: VOORGESTELDE SAN KRAAL AND PHEZUKOMOYA –WINDKRAGAAANLEG, IN DIE NOORD-KAAP EN OOS-KAAP**

Kennis word hiermee gegee dat 'n Proses van Openbare Deelname (PPP) ingevolge die Wet op Nasionale Omgewingsbestuur, 1998 (Wet Nr. 107 van 1998), soos gewysig, onderneem word.

**DEA Verwysingsnommer: Moet nog bevestig word**

**Aard en Ligging van Aktiwiteit:** Die Aansoeker, Hartebeesthoek Wind Power (Edms) Bpk, dien 'n aansoek in vir omgewingsmagtiging vir die elektriese netaansluiting en gepaardgaande infrastruktuur wat verband hou met die voorgestelde split van die gemagtigde WEF's, i.e. San Kraal Split 1 WEF; Phezukomoya Split 1 WEF; Hartebeesthoek East WEF en Hartebeesthoek West WEF. 'n Basiese assesseringsproses word gevolg omdat 'n nuwe gang voorgestel is, en part daarvan is buite die gemagtigde perseelgrense (van San Kraal en Phezukomoya) geleë is.

Die **Konsep EA Wysigingsverslag en Basiese Assesseringsproses** is vir openbare oorweging en kommentaarlewering beskikbaar van 26 September 2019 tot 25 Oktober 2019 by die Noupoot Biblioteek; en op die webtuiste [www.arcusconsulting.co.za](http://www.arcusconsulting.co.za).

Met verwysing na die voorgestelde ontwikkeling, indien u as 'n Belanghebbende en Geaffekteerde Party (B & GP) wil registreer, stuur asseblief u versoek om registrasie skriftelik na die onderstaande adres.

**The following is available for public review:**

- Volume I - Draft Basic Assessment Report (BAR) for the Grid Connection and associated infrastructure, Eastern and Northern Cape Province
- Volume II - Specialist Impact Assessment Reports
  
- Volume I - San Kraal Wind Energy Facility Environmental Authorisation (EA) Amendment, Eastern and Northern Cape Province
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- Volume II - Specialist Amendments Reports
  
- Volume I - Phezukomoya Wind Energy Facility EA Amendment, Eastern and Northern Cape Province
- Volume II - Specialist Amendments Reports
  
- Volume I - Hartebeesthoek West Wind Energy Facility EA Amendment, Eastern and Northern Cape Province
- Volume II - Specialist Amendments Reports

The **Draft Basic Assessment Report** and the **four Draft EA Amendment Reports** are available for public review and comment for 30 days from the **26 September 2019** to the **25 October 2019 (both days inclusive)**, at the Noupport Library, and website: [www.arcusconsulting.co.za](http://www.arcusconsulting.co.za).

Any comments regarding the applications must be submitted as per the below:

<b>Contact</b>	: Aneesah Alwie	<b>Telephone</b>	: +27 21 412 1529
<b>Email</b>	: <a href="mailto:projects@arcusconsulting.co.za">projects@arcusconsulting.co.za</a>	<b>Fax</b>	: +27 86 762 2885
<b>Postal address:</b>			
Office 607 Cube Workspace, cnr Long Street and Hans Strijdom Avenue, Cape Town, 8001			

Please feel free to contact the undersigned should you have any queries.

Kind Regards,



Ashlin Bodasing

Dear Noupport Library,

**NOTIFICATION OF EA AMENDMENT APPLICATION  
PROCESS: SAN KRAAL AND PHEZUKOMOYA WIND  
ENERGY FACILITY, NORTHERN AND EASTERN  
CAPE PROVINCE**

Notice is hereby given of a Public Participation Process (PPP) to be undertaken in terms of the National Environmental Management Act, 1998 (Act No. 107 of 1998), as amended.

**DEA Reference Number: To Be Confirmed**

Older DEA Reference Number of the San Kraal WEF:

14/12/16/3/3/2/1029 and 14/12/16/3/3/2/1029/AM1 and the Phezukomoya WEF: 14/12/16/3/3/2/1028 and 14/12/16/3/3/2/1028/AM1

**Nature and Location of Activity:** The Environmental Authorisation (EA) for the San Kraal Wind Energy Facility (WEF) and the Phezukomoya Wind Energy Facility (WEF) was granted by the Department of Environmental Affairs in June 2018. An EA Amendment application process for the proposed split of the San Kraal WEF and Phezukomoya WEF into four WEFs will be followed. Applications will be submitted to the Department of Environmental Affairs for the split of the authorised San Kraal WEF (DEA Ref. No. 14/12/16/3/3/2/1029 and 14/12/16/3/3/2/1029/AM1) ('San Kraal') into two WEFs (namely San Kraal Split 1 and Hartebeesthoek East), and the Phezukomoya WEF (DEA Ref. No. 14/12/16/3/3/2/1028 and 14/12/16/3/3/2/1028/AM1) ('Phezukomoya') into two WEFs (namely Phezukomoya Split 1 and Hartebeesthoek West).

**NOTIFICATION OF BASIC ASSESSMENT PROCESS:  
PROPOSED SAN KRAAL AND PHEZUKOMOYA  
WIND ENERGY FACILITY, NORTHERN AND  
EASTERN CAPE PROVINCE**

Notice is hereby given of a Public Participation Process (PPP) to be undertaken in terms of the National Environmental Management Act, 1998 (Act No. 107 of 1998), as amended.

**DEA Reference Number: To Be Confirmed**

**Nature and Location of Activity:** The Applicant, Hartebeesthoek Wind Power (Pty) Ltd, is submitting an application for environmental authorisation for the electrical grid connection and associated infrastructure related to the proposed split of the authorised WEFs, i.e. San Kraal Split 1 WEF; Phezukomoya Split 1 WEF; Hartebeesthoek East WEF and Hartebeesthoek West WEF. A basic assessment process is being followed because a new corridor has been proposed, and part of the corridor is located outside the authorised site boundaries (of San Kraal and Phezukomoya).

The **Draft EA Amendment and Basic Assessment Reports** are available for public review and comment from 26 September 2019 to 25 October 2019 at the Noupport Library and on the website: [www.arcusconsulting.co.za](http://www.arcusconsulting.co.za).

With reference to the proposed developments, if you wish to be registered as an Interested and Affected Party (I&AP), please send your request for registration in writing to the address below.

**KENNISGEWING VAN EA WYSIGINGS  
AANSOEKPROSES: VOORGESTELDE SAN KRAAL  
AND PHEZUKOMOYA –WINDKRAGAAANLEG, IN DIE  
NOORD-KAAP EN OOS-KAAP**

Kennis word hiermee gegee dat 'n Proses van Openbare Deelname (PPP) ingevolge die Wet op Nasionale Omgewingsbestuur, 1998 (Wet Nr. 107 van 1998), soos gewysig, onderneem word.

**DEA Verwysingsnommer: Moet nog bevestig word**

Ouer DEA Verwysingsnommer of the San Kraal WEF:

14/12/16/3/3/2/1029 and 14/12/16/3/3/2/1029/AM1 en Phezukomoya WEF: 14/12/16/3/3/2/1028 and 14/12/16/3/3/2/1028/AM1

**Aard en Ligging van Aktiwiteit:** Die Omgewingsmagtiging (EA) vir die San Kraal Windkragaanleg (WEF) en Phezukomoya Windkragaanleg (WEF) is in Junie 2018 deur die Departement van Omgewingsake (DEA) toegestaan. 'n EA wysigings aansoekproses vir die voorgestelde split van die San Kraal WEF en Phezukomoya WEF in vier WEFS sal gevolg word. Aansoek sal by die Departement van Omgewingsake (DEA) ingedien word vir die split van die gemagtigde San Kraal WEF (DEA Verwysingsnommer. 14/12/16/3/3/2/1029 en 14/12/16/3/3/2/1029/AM1) ('San Kraal') in twee WEFs (naamlik San Kraal Split 1 en Hartebeesthoek East), en die Phezukomoya WEF (DEA Verwysingsnommer 14/12/16/3/3/2/1028 en 14/12/16/3/3/2/1028/AM1) ('Phezukomoya') in twee WEFs (naamlik Phezukomoya Split 1 en Hartebeesthoek West).

**KENNISGEWING VAN DIE BASIESE  
ASSESSERINGSPROSES: VOORGESTELDE SAN  
KRAAL AND PHEZUKOMOYA –WINDKRAGAAANLEG,  
IN DIE NOORD-KAAP EN OOS-KAAP**

Kennis word hiermee gegee dat 'n Proses van Openbare Deelname (PPP) ingevolge die Wet op Nasionale Omgewingsbestuur, 1998 (Wet Nr. 107 van 1998), soos gewysig, onderneem word.

**DEA Verwysingsnommer: Moet nog bevestig word**

**Aard en Ligging van Aktiwiteit:** Die Aansoeker, Hartebeesthoek Wind Power (Edms) Bpk, dien 'n aansoek in vir omgewingsmagtiging vir die elektriese netaansluiting en gepaardgaande infrastruktuur wat verband hou met die voorgestelde split van die gemagtigde WEF's, i.e. San Kraal Split 1 WEF; Phezukomoya Split 1 WEF; Hartebeesthoek East WEF en Hartebeesthoek West WEF. 'n Basiese assesseringsproses word gevolg omdat 'n nuwe gang voorgestel is, en part daarvan is buite die gemagtigde perseelgrense (van San Kraal en Phezukomoya) geleë is.

Die **Konsep EA Wysigingsverslag en Basiese Assesseringsproses** is vir openbare oorweging en kommentaarlewing beskikbaar van 26 September 2019 tot 25 Oktober 2019 by die Noupport Biblioteek; en op die webtuiste [www.arcusconsulting.co.za](http://www.arcusconsulting.co.za).

Met verwysing na die voorgestelde ontwikkeling, indien u as 'n Belanghebbende en Geaffekteerde Party (B & GP) wil registreer, stuur asseblief u versoek om registrasie skriftelik na die onderstaande adres.

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- Volume I - Hartebeesthoek East Wind Energy Facility EA Amendment, Eastern and Northern Cape Province
- Volume II - Specialist Amendments Reports
  
- Volume I - Phezukomoya Wind Energy Facility EA Amendment, Eastern and Northern Cape Province
- Volume II - Specialist Amendments Reports
  
- Volume I - Hartebeesthoek West Wind Energy Facility EA Amendment, Eastern and Northern Cape Province
- Volume II - Specialist Amendments Reports

The **Draft Basic Assessment Report** and **four Draft EA Amendment Reports** are available for public review and comment for 30 days from the **26 September 2019** to the **25 October 2019 (both days inclusive)**, at the Noupoot Library, and Arcus website: [www.arcusconsulting.co.za](http://www.arcusconsulting.co.za).

Any comments regarding the applications must be submitted as per the below:

<b>Contact</b>	: Aneesah Alwie	<b>Telephone</b>	: +27 21 412 1529
<b>Email</b>	: <a href="mailto:projects@arcusconsulting.co.za">projects@arcusconsulting.co.za</a>	<b>Fax</b>	: +27 86 762 2885
<b>Postal address:</b>			
Office 607 Cube Workspace, cnr Long Street and Hans Strijdom Avenue, Cape Town, 8001			

Please feel free to contact the undersigned should you have any queries.

Kind Regards,



Ashlin Bodasing



26 September 2019

Dear EIA Admin

**SUBMISSION OF EA AMENDMENT AND NEW APPLICATIONS FOR ENVIRONMENTAL  
AUTHORISATION**

**EA Amendment Application for the Environmental Authorisation for the split of the Authorised Phezukomoya Wind Energy Facility and Associated Infrastructure, Eastern and Northern Cape Provinces (DEA Ref. No. 14/12/16/3/3/2/1028 and 14/12/16/3/3/2/1028/AM1) ('Phezukomoya')**

and

**EA Amendment Application for the Environmental Authorisation for the split of the Authorised San Kraal Wind Energy Facility and Associated Infrastructure, Eastern and Northern Cape Provinces (DEA Ref. No. 14/12/16/3/3/2/1029 and 14/12/16/3/3/2/1029/AM1) ('San Kraal')**

and

**New Application for the Basic Assessment for the Proposed Electrical Grid Connection and Associated Infrastructure for the San Kraal Split 1, Hartebeesthoek East, Phezukomoya Split 1 and Hartebeesthoek West Wind Energy Facilities, Eastern and Northern Cape Provinces**

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The new basic assessment application is for the authorisation of a proposed grid connection and associated infrastructure, which is required to transfer electricity from the proposed amendment of the San Kraal WEF and Phezukomoya WEF, to the national grid.

Arcus would like to request that it be considered that the same case officers, of the original San Kraal WEF and Phezukomoya WEF, receive the above named applications.

The EA amendment applications and new application have been submitted simultaneously, public review and comment is from the **26 September 2019** to the **25 October 2019 (both days inclusive)**.

Please feel free to contact the undersigned should you have any queries.

Kind Regards,

Ashlin Bodasing

**Arcus Consultancy Services South Africa (Pty) Limited**

Office 607 Cube Workspace, Cnr Long Street and Hans Strijdom Road, Cape Town, 8001

T: +27 21 412 1529 ; W: [www.arcusconsulting.co.za](http://www.arcusconsulting.co.za)

Registered in South Africa No. 2015/416206/07





**ATT: Chief Director**

**Integrated Environmental Authorisations,  
Department of Environmental Affairs**

Environment House, 473 Steve Biko Road,  
Arcadia, Pretoria, 0083

**DEA Ref. No.: To be confirmed**

**Original EA DEA Ref. No: 14/12/16/3/3/2/1029 and 14/12/16/3/3/2/1029/AM1**

26 September 2019

**EA AMENDMENT APPLICATIONS FOR ENVIRONMENTAL AUTHORISATION**

**PHEZUKOMOYA WIND ENERGY FACILITY AND ASSOCIATED INFRASTRUCTURE SPLIT AMENDMENT APPLICATIONS**

The Environmental Authorisation (EA) for the Phezukomoya Wind Energy Facility (WEF) was granted by the Department of Environmental Affairs to Phezukomoya Wind Power (Pty) Ltd, in June 2018. Phezukomoya Wind Power (Pty) Ltd and Hartebeesthoek Wind Power (Pty) Ltd is submitting the enclosed application to the DEA for the amendment of the authorised 275 MW Phezukomoya WEF into two WEFs, namely Phezukomoya Split 1 and Hartebeesthoek West WEF.

The split amendment will result in two separate Environmental Authorisations, i.e. the Phezukomoya Wind Energy Facility EA and the Hartebeesthoek West Wind Energy Facility EA, which will be owned by Phezukomoya Wind Power (Pty) Ltd and Hartebeesthoek Wind Power (Pty) Ltd, respectively.

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Comments must be submitted to the below:

<b>Contact</b>	: Aneesah Alwie	<b>Telephone</b>	: +27 21 412 1529
<b>Email</b>	: <a href="mailto:projects@arcusconsulting.co.za">projects@arcusconsulting.co.za</a>	<b>Fax</b>	: +27 86 762 2885

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**ATT: Azrah Essop**  
**Integrated Environmental Authorisations**  
**Department of Environmental Affairs**  
Private Bag X447  
Pretoria  
0001  
**DEA Ref. No.: 14/12/16/3/3/2/1028/2/AM1**

15 October 2019

**RE: ACKNOWLEDGMENT OF RECEIPT FOR HARTEBEESTHOEK WEST WIND ENERGY FACILITY**

Following submission of the application for amendment of environmental authorisation (EA) and draft amendment report for the abovementioned project on 26 September 2019, the acknowledgement of receipt letter, dated 2 October 2019, requested submission of the following documents:

- Originally signed 'Letter of Signatory' and 'Letter of Undertaking' dated 26 August 2019;
- Originally certified copies of the EA and subsequent amendment; and
- The updated land owner consent in terms of "Barend Pieter Erasmus" and "Gilroy Trust".

Please feel free to contact the undersigned should you have any queries.

Kind Regards,

Ashlin Bodasing



26 September 2019

Dear Department of Biodiversity Conservation

**SUBMISSION OF EA AMENDMENTS AND NEW APPLICATION FOR ENVIRONMENTAL  
AUTHORISATION**

**EA Amendment Application for the Environmental Authorisation for the split of the Authorised Phezukomoya Wind Energy Facility and Associated Infrastructure, Eastern and Northern Cape Provinces (DEA Ref. No. 14/12/16/3/3/2/1028 and 14/12/16/3/3/2/1028/AM1) ('Phezukomoya')**

and

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and

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**ATT: Biodiversity Officer Control**

**Department of Environment, Forestry & Fisheries: Biodiversity Conservation Directorate**

**Department of Environmental Affairs**

Environment House, 473 Steve Biko Road,

Arcadia, Pretoria, 0083

**DEA Ref. No.: To be confirmed**

**Original EA DEA Ref. No: 14/12/16/3/3/2/1028 and 14/12/16/3/3/2/1028/AM1**

26 September 2019

**EA AMENDMENT APPLICATIONS FOR ENVIRONMENTAL AUTHORISATION**

**PHEZUKOMOYA WIND ENERGY FACILITY AND ASSOCIATED INFRASTRUCTURE SPLIT AMENDMENT APPLICATIONS**

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**26 September 2019**

Dear Department of Economic Development Environmental Affairs and Tourism

**SUBMISSION OF EA AMENDMENTS AND NEW APPLICATION FOR ENVIRONMENTAL  
AUTHORISATION**

**EA Amendment Application for the Environmental Authorisation for the split of the Authorised Phezukomoya Wind Energy Facility and Associated Infrastructure, Eastern and Northern Cape Provinces (DEA Ref. No. 14/12/16/3/3/2/1028 and 14/12/16/3/3/2/1028/AM1) ('Phezukomoya')**

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**ATT: Gerry Pienaar**

**Department of Economic Development Environmental Affairs and Tourism**

Beacon Hill, Hockley Close

King Williams Town, 5600

**DEA Ref. No.: To be confirmed**

**Original EA DEA Ref. No: 14/12/16/3/3/2/1028 and 14/12/16/3/3/2/1028/AM1**

26 September 2019

**EA AMENDMENT APPLICATIONS FOR ENVIRONMENTAL AUTHORISATION**

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**26 September 2019**

Dear Department of Environment and Nature Conservation

**SUBMISSION OF EA AMENDMENTS AND NEW APPLICATION FOR ENVIRONMENTAL  
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**ATT: Dineo Moleko**

**Department of Environment and Nature Conservation**

Northern Cape Provincial Department

90 Long Street, Kimberley, 8300

**DEA Ref. No.: To be confirmed**

**Original EA DEA Ref. No: 14/12/16/3/3/2/1028 and 14/12/16/3/3/2/1028/AM1**

26 September 2019

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**APPENDIX F: PROOF OF DELIVERY OF THE DRAFT AMENDMENT REPORT**

**From:** [Projects](#)  
**To:** [Projects](#)  
**Bcc:** [attsec@mindek.co.za](mailto:attsec@mindek.co.za); [klwatt@roundbar.co.za](mailto:klwatt@roundbar.co.za); [tollie@isat.co.za](mailto:tollie@isat.co.za); [jdv@eik.co.za](mailto:jdv@eik.co.za); [Jean.gillmer@karoomail.co.za](mailto:Jean.gillmer@karoomail.co.za); [elizetaljaard5@gmail.com](mailto:elizetaljaard5@gmail.com); [beskuitfontein@gmail.com](mailto:beskuitfontein@gmail.com); [perasmus@ovk.co.za](mailto:perasmus@ovk.co.za); [birtus@umsobomvumun.co.za](mailto:birtus@umsobomvumun.co.za); [hennie@triotrust.co.za](mailto:hennie@triotrust.co.za); [nwabisa.qwanyashe@dmr.gov.za](mailto:nwabisa.qwanyashe@dmr.gov.za); [Nokuthula.Mbeje@energy.gov.za](mailto:Nokuthula.Mbeje@energy.gov.za); [MmaphakaT@daff.gov.za](mailto:MmaphakaT@daff.gov.za); [Malebo.baloi@drdlr.gov.za](mailto:Malebo.baloi@drdlr.gov.za); [Ramaleho.saila@drdlr.gov.za](mailto:Ramaleho.saila@drdlr.gov.za); [ryan.oliver@drdlr.gov.za](mailto:ryan.oliver@drdlr.gov.za); [DGOffice@drdlr.gov.za](mailto:DGOffice@drdlr.gov.za); 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[fezeka.boyi@dedea.gov.za](mailto:fezeka.boyi@dedea.gov.za); [Zukiswa.Ngwane@dpw.ecape.gov.za](mailto:Zukiswa.Ngwane@dpw.ecape.gov.za); [willie.ziedsman@transnet.net](mailto:willie.ziedsman@transnet.net); [williezietsman@transnet.net](mailto:williezietsman@transnet.net); [MelvinC@daff.gov.za](mailto:MelvinC@daff.gov.za); [Vuyokazi.sangoni@ecdsd.gov.za](mailto:Vuyokazi.sangoni@ecdsd.gov.za); [ZINTLEH@ecdhs.gov.za](mailto:ZINTLEH@ecdhs.gov.za); [angie.majongile@dot.ecprov.gov.za](mailto:angie.majongile@dot.ecprov.gov.za); [Mathemba.Gcasamba@drdlr.gov.za](mailto:Mathemba.Gcasamba@drdlr.gov.za); [MakhanyaP@dwa.gov.za](mailto:MakhanyaP@dwa.gov.za); [AzwiHangwisi.Mulaudzi@dmr.gov.za](mailto:AzwiHangwisi.Mulaudzi@dmr.gov.za); [ndlelantle@gcis.gov.za](mailto:ndlelantle@gcis.gov.za); [nhiggitt@sahra.org.za](mailto:nhiggitt@sahra.org.za); [muna@iafrica.com](mailto:muna@iafrica.com); [john.geeringh@eskom.co.za](mailto:john.geeringh@eskom.co.za); [eddie.seaton@transnet.net](mailto:eddie.seaton@transnet.net); [energy@birdlife.org.za](mailto:energy@birdlife.org.za); [enquiry@arc.agric.za](mailto:enquiry@arc.agric.za); [lourensl@ewt.org.za](mailto:lourensl@ewt.org.za); [stroh@caa.co.za](mailto:stroh@caa.co.za); [runkelc@nra.co.za](mailto:runkelc@nra.co.za); [Kleinhansm@nra.co.za](mailto:Kleinhansm@nra.co.za); [ShawLS@telkom.co.za](mailto:ShawLS@telkom.co.za); [thembani.bukula@nersa.org.za](mailto:thembani.bukula@nersa.org.za); [Andile.Gxasheka@nersa.org.za](mailto:Andile.Gxasheka@nersa.org.za); [rtimothy@nbkb.org.za](mailto:rtimothy@nbkb.org.za); [johan@sawea.org.za](mailto:johan@sawea.org.za); [office@sessa.org.za](mailto:office@sessa.org.za); [alwyn@saaea.org](mailto:alwyn@saaea.org); [thea@agrisa.co.za](mailto:thea@agrisa.co.za); [natasja.barkhuizen@agriec.co.za](mailto:natasja.barkhuizen@agriec.co.za); [info@experiencenortherncape.com](mailto:info@experiencenortherncape.com); [makayam@atns.co.za](mailto:makayam@atns.co.za); [madaboutbats@gmail.com](mailto:madaboutbats@gmail.com); [kate@lws-sa.co.za](mailto:kate@lws-sa.co.za); 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**Subject:** Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process  
**Date:** Thursday, September 26, 2019 9:02:00 AM  
**Attachments:** [3329 San Kraal and Phezukomoya WEF Amendments and BA Process Notificatio....pdf](#)  
[image001.png](#)  
[image002.png](#)

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Dear Interested and Affected Party

**Notice is hereby given of a Public Participation Process (PPP) to be undertaken in terms of the National Environmental Management Act, 1998 (Act No. 107 of 1998), as amended.**

The Draft Basic Assessment and Amendment Reports for the San Kraal and Phezukomoya Wind Energy Facility (WEF) and Grid Connection is available for public comment and review.

**The following is available for public review:**

Volume I - Draft Basic Assessment Report (BAR) for the Grid Connection and associated infrastructure, Eastern and Northern Cape Province

Volume II - Specialist Impact Assessment Reports

Volume I - San Kraal Wind Energy Facility Environmental Authorisation (EA) Amendment, Eastern and Northern Cape Province

Volume II - Specialist Amendments Reports

Volume I - Hartebeesthoek East Wind Energy Facility EA Amendment, Eastern and Northern Cape Province  
Volume II - Specialist Amendments Reports

Volume I - Phezukomoya Wind Energy Facility EA Amendment, Eastern and Northern Cape Province  
Volume II - Specialist Amendments Reports

Volume I - Hartebeesthoek West Wind Energy Facility EA Amendment, Eastern and Northern Cape Province  
Volume II - Specialist Amendments Reports

The **Draft Basic Assessment Report** and the **four Draft EA Amendment Reports** are available for public review and comment for 30 days from the **26 September 2019** to the **25 October 2019 (both days inclusive)**, at the Noupoot Library, and website: [www.arcusconsulting.co.za](http://www.arcusconsulting.co.za).

Please find attached a letter with further information regarding the availability of the San Kraal and Phezukomoya WEF Amendments and Grid Connection Basic Assessment Reports.

Kind Regards

**Aneesah Alwie**  
Public Participation Assistant, South Africa

Tel: +27 (0) 21 412 1529  
Email: [projects@arcusconsulting.co.za](mailto:projects@arcusconsulting.co.za)

**Arcus Consultancy Services South Africa (Pty) Ltd**  
Office 220 Cube Workspace  
Cnr Long Street and Hans Strijdom Ave  
Cape Town  
8001

[www.arcusconsulting.co.za](http://www.arcusconsulting.co.za)



Dear Interested and Affected Party,

**NOTIFICATION OF EA AMENDMENT APPLICATION PROCESS: SAN KRAAL AND PHEZUKOMOYA WIND ENERGY FACILITY, NORTHERN AND EASTERN CAPE PROVINCE**

Notice is hereby given of a Public Participation Process (PPP) to be undertaken in terms of the National Environmental Management Act, 1998 (Act No. 107 of 1998), as amended.

**DEA Reference Number: To Be Confirmed**

Older DEA Reference Number of the San Kraal WEF:

14/12/16/3/3/2/1029 and 14/12/16/3/3/2/1029/AM1 and the Phezukomoya WEF: 14/12/16/3/3/2/1028 and 14/12/16/3/3/2/1028/AM1

**Nature and Location of Activity:** The Environmental Authorisation (EA) for the San Kraal Wind Energy Facility (WEF) and the Phezukomoya Wind Energy Facility (WEF) was granted by the Department of Environmental Affairs in June 2018. An EA Amendment application process for the proposed split of the San Kraal WEF and Phezukomoya WEF into four WEFs will be followed. Applications will be submitted to the Department of Environmental Affairs for the split of the authorised San Kraal WEF (DEA Ref. No. 14/12/16/3/3/2/1029 and 14/12/16/3/3/2/1029/AM1) ('San Kraal') into two WEFs (namely San Kraal Split 1 and Hartebeesthoek East), and the Phezukomoya WEF (DEA Ref. No. 14/12/16/3/3/2/1028 and 14/12/16/3/3/2/1028/AM1) ('Phezukomoya') into two WEFs (namely Phezukomoya Split 1 and Hartebeesthoek West).

**NOTIFICATION OF BASIC ASSESSMENT PROCESS: PROPOSED SAN KRAAL AND PHEZUKOMOYA WIND ENERGY FACILITY, NORTHERN AND EASTERN CAPE PROVINCE**

Notice is hereby given of a Public Participation Process (PPP) to be undertaken in terms of the National Environmental Management Act, 1998 (Act No. 107 of 1998), as amended.

**DEA Reference Number: To Be Confirmed**

**Nature and Location of Activity:** The Applicant, Hartebeesthoek Wind Power (Pty) Ltd, is submitting an application for environmental authorisation for the electrical grid connection and associated infrastructure related to the proposed split of the authorised WEFs, i.e. San Kraal Split 1 WEF; Phezukomoya Split 1 WEF; Hartebeesthoek East WEF and Hartebeesthoek West WEF. A basic assessment process is being followed because a new corridor has been proposed, and part of the corridor is located outside the authorised site boundaries (of San Kraal and Phezukomoya).

The **Draft EA Amendment and Basic Assessment Reports** are available for public review and comment from 26 September 2019 to 25 October 2019 at the Noupoot Library and on the website: [www.arcusconsulting.co.za](http://www.arcusconsulting.co.za).

With reference to the proposed developments, if you wish to be registered as an Interested and Affected Party (I&AP), please send your request for registration in writing to the address below.

**KENNISGEWING VAN EA WYSIGINGS AANSOEKPROSES: VOORGESTELDE SAN KRAAL AND PHEZUKOMOYA –WINDKRAGAAANLEG, IN DIE NOORD-KAAP EN OOS-KAAP**

Kennis word hiermee gegee dat 'n Proses van Openbare Deelname (PPP) ingevolge die Wet op Nasionale Omgewingsbestuur, 1998 (Wet Nr. 107 van 1998), soos gewysig, onderneem word.

**DEA Verwysingsnommer: Moet nog bevestig word**

Ouer DEA Verwysingsnommer of the San Kraal WEF:

14/12/16/3/3/2/1029 and 14/12/16/3/3/2/1029/AM1 en Phezukomoya WEF: 14/12/16/3/3/2/1028 and 14/12/16/3/3/2/1028/AM1

**Aard en Ligging van Aktiwiteit:** Die Omgewingsmagtiging (EA) vir die San Kraal Windkragaanleg (WEF) en Phezukomoya Windkragaanleg (WEF) is in Junie 2018 deur die Departement van Omgewingsake (DEA) toegestaan. 'n EA wysigings aansoekproses vir die voorgestelde split van die San Kraal WEF en Phezukomoya WEF in vier WEFs sal gevolg word. Aansoeke sal by die Departement van Omgewingsake (DEA) ingedien word vir die split van die gemagtigde San Kraal WEF (DEA Verwysingsnommer 14/12/16/3/3/2/1029 en 14/12/16/3/3/2/1029/AM1) ('San Kraal') in twee WEFs (naamlik San Kraal Split 1 en Hartebeesthoek East), en die Phezukomoya WEF (DEA Verwysingsnommer 14/12/16/3/3/2/1028 en 14/12/16/3/3/2/1028/AM1) ('Phezukomoya') in twee WEFs (naamlik Phezukomoya Split 1 en Hartebeesthoek West).

**KENNISGEWING VAN DIE BASIESE ASSESSERINGSPROSES: VOORGESTELDE SAN KRAAL AND PHEZUKOMOYA –WINDKRAGAAANLEG, IN DIE NOORD-KAAP EN OOS-KAAP**

Kennis word hiermee gegee dat 'n Proses van Openbare Deelname (PPP) ingevolge die Wet op Nasionale Omgewingsbestuur, 1998 (Wet Nr. 107 van 1998), soos gewysig, onderneem word.

**DEA Verwysingsnommer: Moet nog bevestig word**

**Aard en Ligging van Aktiwiteit:** Die Aansoeker, Hartebeesthoek Wind Power (Edms) Bpk, dien 'n aansoek in vir omgewingsmagtiging vir die elektriese netaansluiting en gepaardgaande infrastruktuur wat verband hou met die voorgestelde split van die gemagtigde WEF's, i.e. San Kraal Split 1 WEF; Phezukomoya Split 1 WEF; Hartebeesthoek East WEF en Hartebeesthoek West WEF. 'n Basiese assesseringsproses word gevolg omdat 'n nuwe gang voorgestel is, en part daarvan is buite die gemagtigde perseelgrense (van San Kraal en Phezukomoya) geleë is.

Die **Konsep EA Wysigingsverslag en Basiese Assesseringsproses** is vir openbare oorweging en kommentaarlewing beskikbaar van 26 September 2019 tot 25 Oktober 2019 by die Noupoot Biblioteek; en op die webtuiste [www.arcusconsulting.co.za](http://www.arcusconsulting.co.za).

Met verwysing na die voorgestelde ontwikkeling, indien u as 'n Belanghebbende en Geaffekteerde Party (B & GP) wil registreer, stuur asseblief u versoek om registrasie skriftelik na die onderstaande adres.

**The following is available for public review:**

- Volume I - Draft Basic Assessment Report (BAR) for the Grid Connection and associated infrastructure, Eastern and Northern Cape Province
- Volume II - Specialist Impact Assessment Reports
  
- Volume I - San Kraal Wind Energy Facility Environmental Authorisation (EA) Amendment, Eastern and Northern Cape Province
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- Volume II - Specialist Amendments Reports
  
- Volume I - Phezkumoya Wind Energy Facility EA Amendment, Eastern and Northern Cape Province
- Volume II - Specialist Amendments Reports
  
- Volume I - Hartebeesthoek West Wind Energy Facility EA Amendment, Eastern and Northern Cape Province
- Volume II - Specialist Amendments Reports

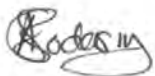
The **Draft Basic Assessment Report** and the **four Draft EA Amendment Reports** are available for public review and comment for 30 days from the **26 September 2019** to the **25 October 2019 (both days inclusive)**, at the Noupoot Library, and website: [www.arcusconsulting.co.za](http://www.arcusconsulting.co.za).

Any comments regarding the applications must be submitted as per the below:

<b>Contact</b>	: Aneesah Alwie	<b>Telephone</b>	: +27 21 412 1529
<b>Email</b>	: <a href="mailto:projects@arcusconsulting.co.za">projects@arcusconsulting.co.za</a>	<b>Fax</b>	: +27 86 762 2885
<b>Postal address:</b> Office 607 Cube Workspace, cnr Long Street and Hans Strijdom Avenue, Cape Town, 8001			

Please feel free to contact the undersigned should you have any queries.

Kind Regards,



Ashlin Bodasing



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S.A. (CPT)	+27 21 511 0110	+27 21 511 7077
S.A. (JHB)	+27 11 397 8322	+27 11 397 6297
S.A. (DUR)	+27 31 569 4465	

WAYBILL NO:

ACCOUNT #	SHIPPER'S REF.
100041	

<b>FROM: (SENDER)</b>	<b>TO: (RECEIVER)</b>
X International Couriers (Pty) Ltd Private Bag 111, 1000 Pretoria	Biodiversity Offices Control DEA: DEFF Environment House 473 Steve Biko Rd Apartheid Pretoria 0082

<b>CONTACT:</b>	<b>TEL:</b>	<b>CONTACT:</b>	<b>TEL:</b>
		Leen	012 678 1523

INTERNATIONAL		DOMESTIC	
COURIER DOCUMENTS <input type="checkbox"/>	AIRFREIGHT TO DOOR <input type="checkbox"/>	SAME DAY <input type="checkbox"/>	OVERNITE by 10h30 <input checked="" type="checkbox"/>
COURIER NON-DOC <input type="checkbox"/>	AIRFREIGHT TO TERMINAL <input type="checkbox"/>	OVERNITE by 08h00 <input type="checkbox"/>	AIR FREIGHT <input type="checkbox"/>
		OVERNITE by 09h00 <input type="checkbox"/>	SATURDAY <input type="checkbox"/>
			ROAD FREIGHT <input type="checkbox"/>

These transit times are not applicable to regional areas

DIMENSIONS (CM)	PIECES	WEIGHT	INSURANCE		VALUE
L X W X H / #	1	8.2	YES <input type="checkbox"/>	NO <input checked="" type="checkbox"/>	

<b>FULL DESCRIPTION OF CONTENTS / SPECIAL INSTRUCTIONS</b>	<b>CURRENCY/CUSTOMS VALUE</b>
32 x 24 x 22	

SENDER		COLLECTED BY		P.O.D	
PRINT NAME	Leen	PRINT NAME	Shelton	PRINT NAME	Shelton
SIGNATURE	<i>[Signature]</i>	SIGNATURE	<i>[Signature]</i>	SIGNATURE	<i>[Signature]</i>
DATE	25/09/19	DATE	25/09/19	DATE	26.09.19
TIME	12:00	TIME		TIME	07:15

LIMBACH SJ 011 474 1928 XN001/1 06/14

P.O.D. COPY





XI



0000026351

j&t

INV: 28036430

0000L

s (Pty) Ltd

7

X

7 21 511 7077

7 11 397 6297



28036430

WAYBILL NO:

ACCOUNT #

100941

SHIPPER'S REF.

ORIGIN

DEST.

NO DELIVERIES  
TO A P.O. BOX

FROM: (SENDER)

TO: (RECEIVER)

GERRY PIENAR

DEPARTMENT OF ECONOMIC DEVELOPMENT,  
ENVIRONMENTAL AFFAIRS AND TOURISM

GLOBAL LIFE BUILDING

RMISHO, 6605

CONTACT:

TEL:

CONTACT: GERRY PIENAR

TEL: 043 605 7051

INTERNATIONAL

DOMESTIC

COURIER DOCUMENTS

AIRFREIGHT TO DOOR

SAME DAY

OVERNITE by 10h30

COURIER NON-DOC

AIRFREIGHT TO TERMINAL

OVERNITE by 08h00

AIR FREIGHT

OVERNITE by 09h00

SATURDAY

ROAD FREIGHT

These transit times are not applicable to regional areas

DIMENSIONS (CM)

PIECES

WEIGHT

INSURANCE

VALUE

L X W X H / #

YES

NO

FULL DESCRIPTION OF CONTENTS / SPECIAL INSTRUCTIONS

CURRENCY/CUSTOMS VALUE

40x30x3

SENDER

COLLECTED BY

P.O.D

PRINT NAME

ANEE SAN ALWE

PRINT NAME

G. PIENAR

PRINT NAME

D. PIENAR

SIGNATURE

[Signature]

SIGNATURE

SIGNATURE

[Signature]

DATE

TIME

DATE

20/09/19

TIME

DATE

15/10/19

TIME

15:50

LITHUANIA SJ 011 474 1528 XIN001/1 06/14

P.O.D. COPY



# X International Couriers (Pty) Ltd

Reg. No. 1996/001037/07

## REGIONAL OFFICES

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S.A. (JHB)	+27 11 397 8322	+27 11 397 6297
S.A. (DUR)	+27 31 569 4465	



28036429

ORIGIN	DEST.
NO DELIVERIES TO A P.O. BOX	

WAYBILL NO:

100941

SHIPPER'S REF.

FROM: (SENDER)	TO: (RECEIVER)
101	DINEO MOLEKO
101	DEPARTMENT OF ENVIRONMENT AND NATURE
101	CONSERVATION
101	NORTHERN CAPE PROVINCIAL DEPARTMENT
101	90 LONG STREET
101	KIMBERLEY
101	8200
CONTACT:	CONTACT: DINEO MOLEKO TEL: 053 807 7467

INTERNATIONAL		DOMESTIC	
COURIER DOCUMENTS <input type="checkbox"/>	AIR FREIGHT TO DOOR <input type="checkbox"/>	SAME DAY <input type="checkbox"/>	OVERNITE by 10h30 <input checked="" type="checkbox"/>
COURIER NON-DOC <input type="checkbox"/>	AIR FREIGHT TO TERMINAL <input type="checkbox"/>	OVERNITE by 08h00 <input type="checkbox"/>	AIR FREIGHT <input type="checkbox"/>
		OVERNITE by 09h00 <input type="checkbox"/>	SATURDAY <input type="checkbox"/>
			ROAD FREIGHT <input type="checkbox"/>

These transit times are not applicable to regional areas

DIMENSIONS (CM)	PIECES	WEIGHT	INSURANCE	VALUE
L X W X H / #	1 of 1		YES <input type="checkbox"/> NO <input type="checkbox"/>	

FULL DESCRIPTION OF CONTENTS / SPECIAL INSTRUCTIONS	CURRENCY/CUSTOMS VALUE
5 Application forms & 5 CDS FOR EIA PROCESS	

SENDER		COLLECTED BY		P.O.D	
PRINT NAME	ANEESAH ALWIE	PRINT NAME	SHARITA	PRINT NAME	DINEO MOLEKO
SIGNATURE	<i>AE</i>	SIGNATURE	<i>SHARITA</i>	SIGNATURE	<i>Dineo</i>
DATE		DATE	20/09/19	DATE	25/09/19
TIME		TIME		TIME	

LIMBOPEN SJ 011 474 1818 XINCO/11 08/14

P.O.D. COPY

## Registered Mail San Kraal and Phezu WEF

Name and Address

**Wonderheuwel Trust**

PO Box 58  
Middelburg  
5900

**REGISTERED LETTER**  
(with a domestic insurance option)  
ShareCall 0860 111 502 www.sapo.co.za  
RC322073201ZA  
CUSTOMER COPY 301028R

**Hendrikus Jacobus Visser**

PO Box 5  
Middelburg  
5900

**REGISTERED LETTER**  
(with a domestic insurance option)  
ShareCall 0860 111 502 www.sapo.co.za  
RC322073215ZA  
CUSTOMER COPY 301028R

**JJ van Lingen Family Trust**

PO Box 12  
Middelburg  
5900

**REGISTERED LETTER**  
(with a domestic insurance option)  
ShareCall 0860 111 502 www.sapo.co.za  
RC322073229ZA  
CUSTOMER COPY 301028R

**Gillroy Trust**

PO Box 124  
Noupoort  
5950

**REGISTERED LETTER**  
(with a domestic insurance option)  
ShareCall 0860 111 502 www.sapo.co.za  
RC322073232ZA  
CUSTOMER COPY 301028R

**Pieter Willem Jordaan Jnr Trust**

PO Box 521  
Middelburg  
5900

**REGISTERED LETTER**  
(with a domestic insurance option)  
ShareCall 0860 111 502 www.sapo.co.za  
RC322073246ZA  
CUSTOMER COPY 301028R

**Groenkloof Trust**

PO Box 52  
Noupoort  
5950

**REGISTERED LETTER**  
(with a domestic insurance option)  
ShareCall 0860 111 502 www.sapo.co.za  
RC322073250ZA  
CUSTOMER COPY 301028R

**George Sebastian Moore**

PO Box 64  
Middelburg  
5900

**REGISTERED LETTER**  
(with a domestic insurance option)  
ShareCall 0860 111 502 www.sapo.co.za  
RC322073263ZA  
CUSTOMER COPY 301028R

8	<b>Johannes Marthinus Du Toit</b> PO Box 145 Noupoort 5950	<b>REGISTERED LETTER</b> <small>(with a domestic insurance option)</small> ShareCall 0860 111 502 www.sapo.co.za RC322073285ZA CUSTOMER COPY 301028R
9	<b>Willem Hendrik Jacobsz van Reenen</b> PO Box 42 Noupoort 5950	<b>REGISTERED LETTER</b> <small>(with a domestic insurance option)</small> ShareCall 0860 111 502 www.sapo.co.za RC322073277ZA CUSTOMER COPY 301028R
10	<b>Nozipho N Mndaweni</b> Private Bag X745 Pretoria 0001	<b>INSURED PARCEL</b> <small>ShareCall 0860 111 502 www.sapo.co.za</small> PA541469565ZA CUSTOMER COPY 301012
11	<b>Mzimkhulu Sesthile</b> Private Bag X8 Colesberg 9795	<b>INSURED PARCEL</b> <small>ShareCall 0860 111 502 www.sapo.co.za</small> PA541469551ZA CUSTOMER COPY 301012
12	<b>Tsholo Makaudi</b> Private Bag X6120 Kimberley 8301	<b>INSURED PARCEL</b> <small>ShareCall 0860 111 502 www.sapo.co.za</small> PA541469548ZA CUSTOMER COPY 301012
13	<b>Lesang Daniels</b> PO Box 3183 Kimberley 8301	<b>INSURED PARCEL</b> <small>ShareCall 0860 111 502 www.sapo.co.za</small> PA541469534ZA CUSTOMER COPY 301012
14	<b>Mr Jahannes</b> PO Box 3183 Kimberley 8301	<b>INSURED PARCEL</b> <small>ShareCall 0860 111 502 www.sapo.co.za</small> PA541469525ZA CUSTOMER COPY 301012

15	<b>Obed Mvula</b> Private Bag X5007 Kimberley 8300	INSURED PARCEL <small>ShareCall 0860 111 502 www.sapo.co.za</small> PA541469517ZA CUSTOMER COPY 301012
16	<b>Francois Nel</b> PO Box 9636 Queenstown 5320	INSURED PARCEL <small>ShareCall 0860 111 502 www.sapo.co.za</small> PA541469503ZA CUSTOMER COPY 301012
17	<b>Lerato Sebiloane</b> Private Bag X0035 Bhisho 5605	INSURED PARCEL <small>ShareCall 0860 111 502 www.sapo.co.za</small> PA541469494ZA CUSTOMER COPY 301012
18	<b>Aseza Dlanjwa</b> PO Box 19511 East London 5214	INSURED PARCEL <small>ShareCall 0860 111 502 www.sapo.co.za</small> PA541469485ZA CUSTOMER COPY 301012
19	<b>Lennox Zote</b> PO Box 759 East London 5200	INSURED PARCEL <small>ShareCall 0860 111 502 www.sapo.co.za</small> PA541469477ZA CUSTOMER COPY 301012
20	<b>Alishea Viljoen</b> Private Bag X06 Honeydew 2040	INSURED PARCEL <small>ShareCall 0860 111 502 www.sapo.co.za</small> PA541469463ZA CUSTOMER COPY 301012
21	<b>Yolan Friedman</b> Private Bag X11 Modderfontein 1645	INSURED PARCEL <small>ShareCall 0860 111 502 www.sapo.co.za</small> PA541469450ZA CUSTOMER COPY 301012

CAPE TOWN 8000  
Post Office   
27 SEP 2019  
FOLIO 10

**Proof of SMS notification for Draft Basic Assessment Report and Draft Amendment Report for the Proposed San Kraal Split 1, Hartebeesthoek East, Phezukomoya Split 1 and Hartebeesthoek West WEF and Grid Infrastructure**

Phonenumber	Network	Status	ScheduledDate	SubmittedDate	StatusDate	SentData
27607038354	Vodacom	DELIVRD	9/26/2019 2:44:00 PM	9/26/2019 2:44:46 PM	9/26/2019 2:44:57 PM	Dear I&AP. The Draft Basic Assessment and Amendment Reports for the San Kraal and Phezukomoya Wind Energy Facility (WEF) and Grid Connection is available for public review and comment from the 26/09/19 to 25/10/19 (both days inclusive) at Noupoot Library and Website: <a href="http://www.arcusconsulting.co.za">www.arcusconsulting.co.za</a> . Please send your comments in writing by the 25 October 2019 to <a href="mailto:projects@arcusconsulting.co.za">projects@arcusconsulting.co.za</a> . Regards, Arcus SA (Pty) Ltd
27628720220	CELL C	EXPIRED	9/26/2019 2:44:00 PM	9/26/2019 2:44:46 PM	9/26/2019 8:15:46 PM	Dear I&AP. The Draft Basic Assessment and Amendment Reports for the San Kraal and Phezukomoya Wind Energy Facility (WEF) and Grid Connection is available for public review and comment from the 26/09/19 to 25/10/19 (both days inclusive) at Noupoot Library and Website: <a href="http://www.arcusconsulting.co.za">www.arcusconsulting.co.za</a> . Please send your comments in writing by the 25 October 2019 to <a href="mailto:projects@arcusconsulting.co.za">projects@arcusconsulting.co.za</a> . Regards, Arcus SA (Pty) Ltd
27735330530	MTN	DELIVRD	9/26/2019 2:44:00 PM	9/26/2019 2:44:46 PM	9/26/2019 2:44:55 PM	Dear I&AP. The Draft Basic Assessment and Amendment Reports for the San Kraal and Phezukomoya Wind Energy Facility (WEF) and Grid Connection is available for public review and comment from the 26/09/19 to 25/10/19 (both days inclusive) at Noupoot Library and Website: <a href="http://www.arcusconsulting.co.za">www.arcusconsulting.co.za</a> . Please send your comments in writing by the 25 October 2019 to <a href="mailto:projects@arcusconsulting.co.za">projects@arcusconsulting.co.za</a> . Regards, Arcus SA (Pty) Ltd
27782233123	CELL C	DELIVRD	9/26/2019 2:44:00 PM	9/26/2019 2:44:46 PM	9/26/2019 2:44:49 PM	Dear I&AP. The Draft Basic Assessment and Amendment Reports for the San Kraal and Phezukomoya Wind Energy Facility (WEF) and Grid Connection is available for public review and comment from the 26/09/19 to 25/10/19 (both days inclusive) at Noupoot Library and Website: <a href="http://www.arcusconsulting.co.za">www.arcusconsulting.co.za</a> . Please send your comments in writing by the 25 October 2019 to <a href="mailto:projects@arcusconsulting.co.za">projects@arcusconsulting.co.za</a> . Regards, Arcus SA (Pty) Ltd
27828420008	Vodacom	EXPIRED	9/26/2019 2:44:00 PM	9/26/2019 2:44:46 PM	9/26/2019 8:15:46 PM	Dear I&AP. The Draft Basic Assessment and Amendment Reports for the San Kraal and Phezukomoya Wind Energy Facility (WEF) and Grid Connection is available for public review and comment from the 26/09/19 to 25/10/19 (both days inclusive) at Noupoot Library and Website: <a href="http://www.arcusconsulting.co.za">www.arcusconsulting.co.za</a> . Please send your comments in writing by the 25 October 2019 to <a href="mailto:projects@arcusconsulting.co.za">projects@arcusconsulting.co.za</a> . Regards, Arcus SA (Pty) Ltd
27840588600	CELL C	EXPIRED	9/26/2019 2:44:00 PM	9/26/2019 2:44:46 PM	9/26/2019 8:15:46 PM	Dear I&AP. The Draft Basic Assessment and Amendment Reports for the San Kraal and Phezukomoya Wind Energy Facility (WEF) and Grid Connection is available for public review and comment from the 26/09/19 to 25/10/19 (both days inclusive) at Noupoot Library and Website: <a href="http://www.arcusconsulting.co.za">www.arcusconsulting.co.za</a> . Please send your comments in writing by the 25 October 2019 to <a href="mailto:projects@arcusconsulting.co.za">projects@arcusconsulting.co.za</a> . Regards, Arcus SA (Pty) Ltd
27835078368	MTN	DELIVRD	9/26/2019 2:50:00 PM	9/26/2019 2:49:47 PM	9/26/2019 2:49:56 PM	Dear I&AP. The Draft Basic Assessment and Amendment Reports for the San Kraal and Phezukomoya Wind Energy Facility (WEF) and Grid Connection is available for public review and comment from the 26/09/19 to 25/10/19 (both days inclusive) at Noupoot Library and Website: <a href="http://www.arcusconsulting.co.za">www.arcusconsulting.co.za</a> . Please send your comments in writing by the 25 October 2019 to <a href="mailto:projects@arcusconsulting.co.za">projects@arcusconsulting.co.za</a> . Regards, Arcus SA (Pty) Ltd

## Sophie Williams

---

**From:** Marius Nagel <MariusN@gcis.gov.za>  
**Sent:** 10 October 2019 11:07  
**To:** Projects  
**Subject:** Not read: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process  
**Attachments:** Not read: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process

[<http://www.gcis.gov.za/banner.jpg>]

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## Sophie Williams

---

**From:** Sharlene Matthews <Sharlene.Matthews@agriec.co.za>  
**To:** Projects  
**Sent:** 30 September 2019 16:47  
**Subject:** Not read: [SPAM] Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process

Your message

To: Sharlene Matthews  
Subject: [SPAM] Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process  
Sent: Thursday, September 26, 2019 9:02:56 AM (UTC+02:00) Harare, Pretoria

was deleted without being read on Monday, September 30, 2019 3:46:18 PM (UTC+02:00) Harare, Pretoria.



## Sophie Williams

---

**From:** Leonard Shaw (LS) <LeonardS@openserve.co.za>  
**To:** Projects  
**Sent:** 30 September 2019 12:38  
**Subject:** Read: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process

Your message

To: Leonard Shaw (LS)  
Subject: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process  
Sent: Thursday, September 26, 2019 9:02:56 AM (UTC+02:00) Harare, Pretoria  
was read on Monday, September 30, 2019 11:37:32 AM (UTC+02:00) Harare, Pretoria.

## Sophie Williams

---

**From:** Marius Nagel <MariusN@gcis.gov.za>  
**Sent:** 30 September 2019 10:46  
**To:** Projects  
**Subject:** Not read: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process  
**Attachments:** Not read: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process

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## Sophie Williams

---

**From:** Nokuthula Mbeje <Nokuthula.Mbeje@energy.gov.za>  
**Sent:** 30 September 2019 10:13  
**To:** Projects  
**Subject:** Not read: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process  
**Attachments:** Not read: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process

---

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## Sophie Williams

---

**From:** Ndlelantle Pinyana <Ndlelantle@gcis.gov.za>  
**Sent:** 29 September 2019 11:55  
**To:** Projects  
**Subject:** Not read: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process  
**Attachments:** Not read: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process

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## Sophie Williams

---

**From:** Jacoline Mans <JacolineMa@daff.gov.za>  
**To:** Projects  
**Sent:** 27 September 2019 10:49  
**Subject:** Read: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process

Your message

To: Jacoline Mans  
Subject: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process  
Sent: Thursday, September 26, 2019 9:02:56 AM (UTC+02:00) Windhoek  
was read on Friday, September 27, 2019 9:49:07 AM (UTC+02:00) Windhoek.

## Sophie Williams

---

**From:** Microsoft Outlook  
**To:** fauntyg@vodamail.co.za  
**Sent:** 27 September 2019 09:19  
**Subject:** Undeliverable: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process

### Delivery has failed to these recipients or groups:

[fauntyg@vodamail.co.za](mailto:fauntyg@vodamail.co.za)

Your message couldn't be delivered. Despite repeated attempts to contact the recipient's email system it didn't respond.

Contact the recipient by some other means (by phone, for example) and ask them to tell their email admin that it appears that their email system isn't accepting connection requests from your email system. Give them the error details shown below. It's likely that the recipient's email admin is the only one who can fix this problem.

For more information and tips to fix this issue see this article:  
<https://go.microsoft.com/fwlink/?LinkId=389361>.

### Diagnostic information for administrators:

Generating server: CWXP265MB1589.GBRP265.PROD.OUTLOOK.COM  
Receiving server: CWXP265MB1589.GBRP265.PROD.OUTLOOK.COM  
Total retry attempts: 25

fauntyg@vodamail.co.za  
9/27/2019 6:18:48 AM - Server at CWXP265MB1589.GBRP265.PROD.OUTLOOK.COM returned '550 5.4.300 Message expired'

### Original message headers:

Received: from CWLP265MB1585.GBRP265.PROD.OUTLOOK.COM (20.176.33.19) by CWXP265MB1589.GBRP265.PROD.OUTLOOK.COM (20.176.45.146) with Microsoft SMTP Server (version=TLS1\_2, cipher=TLS\_ECDHE\_RSA\_WITH\_AES\_256\_GCM\_SHA384) id 15.20.2284.23; Thu, 26 Sep 2019 07:42:19 +0000  
ARC-Seal: i=1; a=rsa-sha256; s=arcselector9901; d=microsoft.com; cv=none;

b=QNN0FQfkzK6JYZE6YhFiBZkWGOS3sJUNdz5AA5qKVmYTBudDC1iHoDtRBJCunBklogR7Lt0SBdOP8ugSeGK7mawCFxH4s jCaVWoIAmkst jcvl2tGgtaCNXFmqBNh5D8AdfXrzYAJpEgt9cLl2llluL5VUZRp9O9JrHVZ9q2uju5gpeKscDiCbEHeOk1H9BCGt4S2PgEJPKHPj/N/rjtIFsHS9+ZF9AnKgaegfZe0Vvx+nLDjteap+GcYgNT2Rbg9tD1SXoVr1G6PpAxldCCvcOufZe87YIcaMNCnWPAP73pvJkg/jUJBRo7ecZMsHvOTx8CL3jJLSAuG5RG9Mub9wfA==

ARC-Message-Signature: i=1; a=rsa-sha256; c=relaxed/relaxed; d=microsoft.com; s=arcselector9901; h=From:Date:Subject:Message-ID:Content-Type:MIME-Version:X-MS-Exchange-SenderADCheck; bh=RQMULxnIApFGuRacjlyH4EXY7ViwoJ+ZJjbIU1Tp/sU=;

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eJ8RvoFJReJJ9HT+mp2QBs7Fo99pi8MBFUyd6LlRXoaI8Ii+fmUKqRPiNn3eYzmKPJTHjV+hfGj6AqmJ5ij4o0  
8W1zRL3zZth8fPLfjCeWeZXJ5MxLY+YlRbza+vOPFeQ5A8pmkQbZwQYoThbfCU01Yk4oMMwjYHaYzeFCFNOWGk  
W7Vq/UkX9hqwJ1+Qxg3BcApfTsZZXNT3KUF5aUR+F1t7UGg+ZNRIrI+sUriwZzdLdavMuJHJV5KaCZS3/h8/NA  
==

ARC-Authentication-Results: i=1; mx.microsoft.com 1; spf=pass  
smtp.mailfrom=arcusconsulting.co.za; dmarc=pass action=none  
header.from=arcusconsulting.co.za; dkim=pass header.d=arcusconsulting.co.za;  
arc=none

DKIM-Signature: v=1; a=rsa-sha256; c=relaxed/relaxed;  
d=arcusconsultingltd.onmicrosoft.com;  
s=selector1-arcusconsultingltd-onmicrosoft-com;  
h=From:Date:Subject:Message-ID:Content-Type:MIME-Version:X-MS-Exchange-SenderADCheck;  
bh=RQMULxnIAPFGuRacjlyH4EXY7ViwoJ+ZJjbIUlTp/sU=;

b=mzcsYolXJj9dQPI/wZylCwNlGlySnlctot/Z+aiXrIEZwC3csFaKHF7sFkXjk3P7+ddqDesHMY0dpvgbDguY  
IsLVyCZ7okCfLYnyF0HPYCoYnEHY6jp+DqofxlkrAxhXFpw8h3rHgci/ct3NGEln/AvILpN/jbl/eWNDPzvVpA  
E=

Received: from CWLP265MB1089.GBRP265.PROD.OUTLOOK.COM (20.176.34.145) by  
CWLP265MB1585.GBRP265.PROD.OUTLOOK.COM (20.176.33.19) with Microsoft SMTP  
Server (version=TLS1\_2, cipher=TLS\_ECDHE\_RSA\_WITH\_AES\_256\_GCM\_SHA384) id  
15.20.2305.17; Thu, 26 Sep 2019 07:02:56 +0000

Received: from CWLP265MB1089.GBRP265.PROD.OUTLOOK.COM  
([fe80::40fd:9b6f:199e:8b76]) by CWLP265MB1089.GBRP265.PROD.OUTLOOK.COM  
([fe80::40fd:9b6f:199e:8b76%7]) with mapi id 15.20.2284.023; Thu, 26 Sep 2019  
07:02:56 +0000

From: Projects <Projects@arcusconsulting.co.za>  
To: Projects <Projects@arcusconsulting.co.za>  
Subject: Notification of Availability of the San Kraal and Phezukomoya WEF  
Amendments and Basic Assessment Process

Thread-Topic: Notification of Availability of the San Kraal and Phezukomoya  
WEF Amendments and Basic Assessment Process

Thread-Index: Adv0NbEZpQG0eCA2T9yLh2S4L0hEZQ==

Disposition-Notification-To: Projects <Projects@arcusconsulting.co.za>

Return-Receipt-To: <Projects@arcusconsulting.co.za>

Date: Thu, 26 Sep 2019 07:02:56 +0000

Message-ID:  
<CWLP265MB1089872E0EE5B2AD7A19DD2A93860@CWLP265MB1089.GBRP265.PROD.OUTLOOK.COM>

Accept-Language: en-US

Content-Language: en-US

X-MS-Has-Attach: yes

X-MS-TNEF-Correlator:

authentication-results: spf=none (sender IP is )

smtp.mailfrom=Projects@arcusconsulting.co.za;

x-ms-exchange-messagesentrepresentingtype: 1

x-originating-ip: [196.22.229.227]

x-ms-publictraffictype: Email

x-ms-office365-filtering-correlation-id: 94abc114-a289-48c7-c834-08d7424f8f3e

X-MS-TrafficTypeDiagnostic: CWLP265MB1585:|CWLP265MB1585:|CWXP265MB1589:

x-ms-exchange-purlcount: 3

x-ms-exchange-transport-forked: True

x-microsoft-antispam-prvs:

<CWLP265MB1585DC63A3769CB68CC314D481860@CWLP265MB1585.GBRP265.PROD.OUTLOOK.COM>

x-ms-oob-tlc-oobclassifiers: OLM:262;

x-forefront-prvs: 0172F0EF77

x-forefront-antispam-report:

SFV:NSPM;SFS:(10019020)(376002)(346002)(39840400004)(366004)(136003)(396003)(189003)(1  
99004)(6116002)(33656002)(3846002)(7110500001)(861006)(81166006)(81156014)(10916006)(8  
676002)(6436002)(733005)(6306002)(54896002)(15650500001)(55016002)(2420400007)(236005)  
(80792005)(9686003)(6862004)(626008)(316002)(2906002)(25786009)(476003)(26005)(9993600  
1)(14454004)(256004)(478600001)(88996005)(5024004)(14444005)(486006)(86362001)(9928600  
4)(606006)(186003)(5660300002)(7696005)(71190400001)(71200400001)(6200100001)(74316002  
) (8936002)(7736002)(52536014)(66556008)(66576008)(66476007)(7276002)(7336002)(7366002)  
(7416002)(64756008)(66446008)(7406005)(66946007)(102836004)(66066001)(6506007);DIR:OUT

;SFP:1102;SCL:1;SRVR:CWLP265MB1585;H:CWLP265MB1089.GBRP265.PROD.OUTLOOK.COM;FPR:;SPF:None;LANG:en;PTR:InfoNoRecords;MX:1;A:1;  
received-spf: None (protection.outlook.com: arcusconsulting.co.za does not designate permitted sender hosts)  
x-ms-exchange-senderadcheck: 1  
x-microsoft-antispam: BCL:0;  
x-microsoft-antispam-message-info:  
wTAIj6fbWqeM/8pDxOj3mieHmdM4Ft7hzwWCdwVdxs5DLpCNhlJKAmY9m/JkOsGPmkLzxr7R6Rhg/39zaYYdG1k0xcMviTB+EqOwBbfqUQCMVucSXiPkXY9rXE0i4CnctPqDsdvcaR5mYDdzpw3Iv/IspKC3uE42E/oOfyZ9BDLxQGejHCCyHlh11TC00JnmsOVXz1fXHowUWX9CeCEAN+kP38ckkbla9tXGtU+ETJngyGf1+Ke5ChITJ1/983tnRAvEbnbz6KDshRMiHtK/fmfMLg94RFFGye8kRlKiA3ZRDps/7VicXxiRkfreX3f2uhS6Dee+yB0gII/r51vTcfwf/Bw6p5DKkm8+K91nwRi8xe+bElXiPdTFMb9P1Ey9Z4JDCOk0mnKKzKPNyeRClPwU00vLQZolopkglAVrvPnKLh55F2ZDRQNjmnWGSx39Y2v+RtjCKjXLzY7tp+U9Q==  
Content-Type: multipart/mixed;  
    boundary="\_007\_CWLP265MB1089872E0EE5B2AD7A19DD2A93860CWLP265MB1089GBRP\_"  
MIME-Version: 1.0  
X-MS-Exchange-CrossTenant-Network-Message-Id: 94abc114-a289-48c7-c834-08d7424f8f3e  
X-MS-Exchange-CrossTenant-originalarrivaltime: 26 Sep 2019 07:02:56.7581 (UTC)  
X-MS-Exchange-CrossTenant-fromentityheader: Hosted  
X-MS-Exchange-CrossTenant-id: d9bba7f2-9d82-4ebf-8cec-bcd827e07f80  
X-MS-Exchange-CrossTenant-mailboxtype: HOSTED  
X-MS-Exchange-CrossTenant-userprincipalname: IZKLc0eqZEi3loE5q4Qlyc8ItCoIwiNC3cXVPofwEJKv/ZKebhvp2mhDHIbFGvcAT6emeDEDmbrnW+Kxfh0dMyNkJJeJMVUdSnpGDbAcnATk=  
X-MS-Exchange-Transport-CrossTenantHeadersStamped: CWLP265MB1585  
Return-Path: Projects@arcusconsulting.co.za  
X-OriginatorOrg: arcusconsulting.co.za



## Sophie Williams

---

**From:** René de Kock (WR) <Dekockr@nra.co.za>  
**To:** Projects  
**Sent:** 27 September 2019 08:06  
**Subject:** Read: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process

Your message

To: René de Kock (WR)  
Subject: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process

Sent: Thursday, September 26, 2019 9:02:56 AM (UTC+02:00) Harare, Pretoria

was read on Friday, September 27, 2019 7:05:24 AM (UTC+02:00) Harare, Pretoria.

## Sophie Williams

---

**From:** Jan Carstensen <jan@safetyzonesa.co.za>  
**To:** Projects  
**Sent:** 26 September 2019 19:56  
**Subject:** Read: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process

Your message

To: Projects  
Subject: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process  
Sent: 2019/09/26 09:02 AM

was read on 2019/09/26 06:56 PM.

## Sophie Williams

---

**From:** John Geeringh <GeerinJH@eskom.co.za>  
**To:** Projects  
**Sent:** 26 September 2019 14:18  
**Subject:** Read: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process

Your message

To: John Geeringh  
Subject: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process  
Sent: Thursday, September 26, 2019 9:02:56 AM (UTC+02:00) Harare, Pretoria

was read on Thursday, September 26, 2019 1:17:19 PM (UTC+02:00) Harare, Pretoria.

## Sophie Williams

---

**From:** Abrahams Abe (KBY) <AbrahamsA@dws.gov.za>  
**Sent:** 26 September 2019 13:58  
**To:** Projects  
**Subject:** Read: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process  
**Attachments:** Read: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process

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## Sophie Williams

---

**From:** Makhanya Portia (KWT) <MakhanyaP@dws.gov.za>  
**Sent:** 26 September 2019 13:29  
**To:** Projects  
**Subject:** Read: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process  
**Attachments:** Read: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process

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## Sophie Williams

---

**From:** Pixley Ka Seme District Municipality <telkomsa128018@telkomsa.net>  
**To:** Projects  
**Sent:** 26 September 2019 12:11  
**Subject:** Read: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process

Your message

To: Projects  
Subject: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process  
Sent: 2019/09/26 09:02

was read on 2019/09/26 11:10.

## Sophie Williams

---

**From:** Thandeka Nohoyeka Transnet Property PLZ <Thandeka.Nohoyeka@transnet.net>  
**To:** Projects  
**Sent:** 26 September 2019 12:08  
**Subject:** Read: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process

Your message

To: Thandeka Nohoyeka Transnet Property PLZ  
Subject: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process  
Sent: Thursday, September 26, 2019 9:02:56 AM (UTC+02:00) Harare, Pretoria

was read on Thursday, September 26, 2019 11:06:55 AM (UTC+02:00) Harare, Pretoria.

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## Sophie Williams

---

**From:** Melvin Charlie <MelvinC@daff.gov.za>  
**To:** Projects  
**Sent:** 26 September 2019 11:34  
**Subject:** Read: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process

Your message

To: Melvin Charlie  
Subject: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process  
Sent: Thursday, September 26, 2019 9:02:56 AM (UTC+02:00) Harare, Pretoria

was read on Thursday, September 26, 2019 10:30:05 AM (UTC+02:00) Harare, Pretoria.



## Sophie Williams

---

**From:** Microsoft Outlook  
**To:** Nokuthula.Mbeje@energy.gov.za  
**Sent:** 26 September 2019 10:42  
**Subject:** Relayed: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process

**Delivery to these recipients or groups is complete, but no delivery notification was sent by the destination server:**

[Nokuthula.Mbeje@energy.gov.za](mailto:Nokuthula.Mbeje@energy.gov.za)

Subject: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process



Notification of  
Availability o...

## Sophie Williams

---

**From:** Marilyn Kleinhans (WR) <Jonesm@nra.co.za>  
**To:** Projects  
**Sent:** 26 September 2019 10:35  
**Subject:** Read: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process

Your message

To: Marilyn Kleinhans (WR)  
Subject: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process  
Sent: Thursday, September 26, 2019 9:02:56 AM (UTC+02:00) Harare, Pretoria

was read on Thursday, September 26, 2019 9:34:37 AM (UTC+02:00) Harare, Pretoria.

## Sophie Williams

---

**From:** Enquiry <Enquiry@arc.agric.za>  
**To:** Projects  
**Sent:** 26 September 2019 10:36  
**Subject:** Read: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process

Your message

To: Enquiry  
Subject: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process  
Sent: Thursday, September 26, 2019 6:02:56 AM (UTC-01:00) Cabo Verde Is.

was read on Thursday, September 26, 2019 6:36:01 AM (UTC-01:00) Cabo Verde Is..

## Sophie Williams

---

**From:** The Don <booking@thedon.co.za>  
**To:** Projects  
**Sent:** 26 September 2019 10:30  
**Subject:** Read: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process

Your message

To: Projects  
Subject: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process  
Sent: 2019/09/26 9:02 AM

was read on 2019/09/26 9:29 AM.

## Sophie Williams

---

**From:** Microsoft Outlook  
**To:** angie.majongile@dot.ecprov.gov.za  
**Sent:** 26 September 2019 10:19  
**Subject:** Relayed: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process

**Delivery to these recipients or groups is complete, but no delivery notification was sent by the destination server:**

[angie.majongile@dot.ecprov.gov.za](mailto:angie.majongile@dot.ecprov.gov.za) ([angie.majongile@dot.ecprov.gov.za](mailto:angie.majongile@dot.ecprov.gov.za))

Subject: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process



Notification of  
Availability o...

## Sophie Williams

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**From:** Microsoft Outlook  
**To:** bongikaya.dayimani@drdar.gov.za  
**Sent:** 26 September 2019 10:19  
**Subject:** Relayed: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process

**Delivery to these recipients or groups is complete, but no delivery notification was sent by the destination server:**

[bongikaya.dayimani@drdar.gov.za](mailto:bongikaya.dayimani@drdar.gov.za) ([bongikaya.dayimani@drdar.gov.za](mailto:bongikaya.dayimani@drdar.gov.za))

Subject: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process



Notification of  
Availability o...

## Sophie Williams

---

**From:** Microsoft Outlook  
**To:** lerato.sebiloane@eclgta.gov.za  
**Sent:** 26 September 2019 10:18  
**Subject:** Relayed: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process

**Delivery to these recipients or groups is complete, but no delivery notification was sent by the destination server:**

[lerato.sebiloane@eclgta.gov.za](mailto:lerato.sebiloane@eclgta.gov.za) ([lerato.sebiloane@eclgta.gov.za](mailto:lerato.sebiloane@eclgta.gov.za))

Subject: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process



Notification of  
Availability o...

## Sophie Williams

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**From:** tollie@isat.co.za  
**To:** Projects  
**Sent:** 26 September 2019 10:14  
**Subject:** Read: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process

Your message

To: Projects  
Subject: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process  
Sent: 2019/09/26 09:02

was read on 2019/09/26 09:13.



## Sophie Williams

---

**From:** Salome Mambane <SMambane@environment.gov.za>  
**Sent:** 26 September 2019 10:13  
**To:** Projects  
**Subject:** Read: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process  
**Attachments:** Read: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process

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## Sophie Williams

---

**From:** Simon Maletle <SMaletle@environment.gov.za>  
**Sent:** 26 September 2019 10:09  
**To:** Projects  
**Subject:** Read: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process  
**Attachments:** Read: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process

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## Sophie Williams

---

**From:** elmarie <transkaroo@eik.co.za>  
**To:** Projects  
**Sent:** 26 September 2019 10:07  
**Subject:** Read: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process

Your message

To: Projects  
Subject: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process  
Sent: 2019/09/26 09:02

was read on 2019/09/26 09:06.

## Sophie Williams

---

**From:** Mail Delivery System <Mailer-Daemon@spe8.ucebox.co.za>  
**To:** energy@birdlife.org.za  
**Sent:** 26 September 2019 10:06  
**Subject:** Delivered: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process

This message was created automatically by mail delivery software.  
----- The following addresses had successful delivery notifications -----



Notification of  
Availability o...

<energy@birdlife.org.za> (relayed to non-DSN-aware mailer)

## Sophie Williams

---

**From:** postmaster@GMS.local  
**To:** Ramaleho.saila@drdlr.gov.za  
**Sent:** 26 September 2019 10:04  
**Subject:** Delivered: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process

**Your message has been delivered to the following recipients:**

[Ramaleho.saila@drdlr.gov.za](mailto:Ramaleho.saila@drdlr.gov.za)

Subject: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process



Notification of  
Availability o...

## Sophie Williams

---

**From:** postmaster@GMS.local  
**To:** zongezile.bango@drdlr.gov.za  
**Sent:** 26 September 2019 10:04  
**Subject:** Delivered: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process

**Your message has been delivered to the following recipients:**

[zongezile.bango@drdlr.gov.za](mailto:zongezile.bango@drdlr.gov.za)

Subject: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process



Notification of  
Availability o...

## Sophie Williams

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**From:** postmaster@GMS.local  
**To:** Mathemba.Gcasamba@drdlr.gov.za  
**Sent:** 26 September 2019 10:04  
**Subject:** Delivered: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process

**Your message has been delivered to the following recipients:**

[Mathemba.Gcasamba@drdlr.gov.za](mailto:Mathemba.Gcasamba@drdlr.gov.za)

Subject: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process



Notification of  
Availability o...

## Sophie Williams

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**From:** postmaster@GMS.local  
**To:** ryan.oliver@drdlr.gov.za  
**Sent:** 26 September 2019 10:04  
**Subject:** Delivered: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process

**Your message has been delivered to the following recipients:**

[ryan.oliver@drdlr.gov.za](mailto:ryan.oliver@drdlr.gov.za)

Subject: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process



Notification of  
Availability o...



## Sophie Williams

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**From:** postmaster@GMS.local  
**To:** karen.vanschalkwyk@drdlr.gov.za  
**Sent:** 26 September 2019 10:04  
**Subject:** Delivered: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process

**Your message has been delivered to the following recipients:**

[karen.vanschalkwyk@drdlr.gov.za](mailto:karen.vanschalkwyk@drdlr.gov.za)

Subject: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process



Notification of  
Availability o...

## Sophie Williams

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**From:** postmaster@GMS.local  
**To:** katshaba.gaofhiwe@drrdlr.gov.za  
**Sent:** 26 September 2019 10:04  
**Subject:** Delivered: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process

**Your message has been delivered to the following recipients:**

[Katshaba.Mathibe@drrdlr.gov.za](mailto:Katshaba.Mathibe@drrdlr.gov.za)

Subject: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process



Notification of  
Availability o...

## Sophie Williams

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**From:** postmaster@GMS.local  
**To:** Malebo.baloi@drdlr.gov.za  
**Sent:** 26 September 2019 10:04  
**Subject:** Delivered: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process

**Your message has been delivered to the following recipients:**

[Malebo.baloi@drdlr.gov.za](mailto:Malebo.baloi@drdlr.gov.za)

Subject: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process



Notification of  
Availability o...

## Sophie Williams

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**From:** postmaster@GMS.local  
**To:** aphuwe.fayindlala@drdlr.gov.za  
**Sent:** 26 September 2019 10:04  
**Subject:** Delivered: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process

**Your message has been delivered to the following recipients:**

[aphuwe.fayindlala@drdlr.gov.za](mailto:aphuwe.fayindlala@drdlr.gov.za)

Subject: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process



Notification of  
Availability o...

## Sophie Williams

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**From:** postmaster@GMS.local  
**To:** DGOoffice@drdlr.gov.za  
**Sent:** 26 September 2019 10:03  
**Subject:** Delivered: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process

**Your message has been delivered to the following recipients:**

[DGOoffice@drdlr.gov.za](mailto:DGOoffice@drdlr.gov.za)

Subject: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process



Notification of  
Availability o...

## Sophie Williams

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**From:** Lourens Leeuwner <lourensl@ewt.org.za>  
**Sent:** 26 September 2019 10:04  
**To:** Projects  
**Subject:** Automatic reply: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process

Please note that I will be traveling to the US until 06/10/2019 with limited communications. For any urgent matters, please contact Constant Hoogstad on 0823344176

### Disclaimer

The information contained in this communication from the sender is confidential. It is intended solely for use by the recipient and others authorized to receive it. If you are not the recipient, you are hereby notified that any disclosure, copying, distribution or taking action in relation of the contents of this information is strictly prohibited and may be unlawful.

This email has been scanned for viruses and malware, and may have been automatically archived by **Mimecast Ltd**, an innovator in Software as a Service (SaaS) for business. Providing a **safer** and **more useful** place for your human generated data. Specializing in; Security, archiving and compliance. To find out more [Click Here](#).

## Sophie Williams

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**From:** Mail Delivery System <Mailer-Daemon@se-filter01.tld-mx.com>  
**To:** Jean.gillmer@karoomail.co.za  
**Sent:** 26 September 2019 10:04  
**Subject:** Delivered: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process

This message was created automatically by mail delivery software.  
----- The following addresses had successful delivery notifications -----



Notification of  
Availability o...

<Jean.gillmer@karoomail.co.za> (relayed to non-DSN-aware mailer)

## Sophie Williams

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**From:** Mail Delivery System <Mailer-Daemon@se-filter03.tld-mx.com>  
**To:** klwatt@roundbar.co.za  
**Sent:** 26 September 2019 10:04  
**Subject:** Delivered: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process

This message was created automatically by mail delivery software.

----- The following addresses had successful delivery notifications -----



Notification of  
Availability o...

<klwatt@roundbar.co.za> (relayed to non-DSN-aware mailer)



## Sophie Williams

---

**From:** postmaster@ecdsd.gov.za  
**To:** Vuyokazi.sangoni@ecdsd.gov.za  
**Sent:** 26 September 2019 10:03  
**Subject:** Undeliverable: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process

### Delivery has failed to these recipients or groups:

[Vuyokazi.sangoni@ecdsd.gov.za](mailto:Vuyokazi.sangoni@ecdsd.gov.za)

The email address you entered couldn't be found. Please check the recipient's email address and try to resend the message. If the problem continues, please contact your helpdesk.

### Diagnostic information for administrators:

Generating server: DSDSRVBHIEXC02.ecdsd.gov.za

Vuyokazi.sangoni@ecdsd.gov.za  
Remote Server returned '550 5.1.1 RESOLVER.ADR.RecipNotFound; not found'

### Original message headers:

Received: from DSDSRVBHIEXC01.ecdsd.gov.za (10.219.31.244) by DSDSRVBHIEXC02.ecdsd.gov.za (10.219.31.245) with Microsoft SMTP Server (TLS) id 15.0.1263.5; Thu, 26 Sep 2019 09:03:15 +0200  
Received: from gbr1.gov.za (10.219.31.249) by DSDSRVBHIEXC01.ecdsd.gov.za (10.219.31.244) with Microsoft SMTP Server id 15.0.1263.5 via Frontend Transport; Thu, 26 Sep 2019 09:03:15 +0200  
Received: from securemail-pl-mx8.synaq.com ([196.35.198.148]) by gbr1.gov.za with esmtp (Exim 4.89 (FreeBSD)) (envelope-from <Projects@arcusconsulting.co.za>) id 1iDNo2-0005ea-Pp for Vuyokazi.sangoni@ecdsd.gov.za; Thu, 26 Sep 2019 09:03:15 +0200  
Received: from mail-eopbgr110139.outbound.protection.outlook.com ([40.107.11.139] hello=GBR01-CWL-obe.outbound.protection.outlook.com) by securemail-pl-mx8.synaq.com with esmtps (TLSv1.2:AES256-SHA256:256) (Exim 4.92.2) (envelope-from <Projects@arcusconsulting.co.za>) id 1iDNnq-0009P4-RT for Vuyokazi.sangoni@ecdsd.gov.za; Thu, 26 Sep 2019 09:03:04 +0200  
ARC-Seal: i=1; a=rsa-sha256; s=arcselector9901; d=microsoft.com; cv=none;

b=QNN0FQfkzK6JYZE6YhFiBZkWGOS3sJUNdz5AA5qKVmYTBUDClIHoDtRBJCunBklogR7Lt0SBdOP8ugSeGK7mawCFxH4sJCaVWoIAmkstjcvl2tGgtaCNXFmqBNh5D8AdfXrzYAJpEgt9cLl2llluL5VUzRp9O9JrHVZ9q2uju5gpeKscDiCbEHeOk1H9BCGt4S2PgEJPKHPj/N/rjtIFsHS9+ZF9AnKgaegfZe0Vvx+nLDjteaP+GcYgNT2Rbg9tD1SXoVRlG6PpAxldCCvcOufZe87YIcaMncNwPAP73pvJkg/jUJBRo7ecZMsHvOTx8CL3jJLSAuG5RG9Mub9wFA==

ARC-Message-Signature: i=1; a=rsa-sha256; c=relaxed/relaxed; d=microsoft.com; s=arcselector9901; h=From:Date:Subject:Message-ID:Content-Type:MIME-Version:X-MS-Exchange-SenderADCheck; bh=RQMULxnIApFGuRacjlyH4EXY7ViwoJ+ZJjbIUlTp/sU=;

b=aT0szp2XZsmcw2xJsR3wuouR2pNYYZ2EzVcPf2FcmxOHme2ZbObDwD/UfVgaAzd+7i0SJ3Vlc5NYO0XobneL  
eJ8RvoFJReJJ9HT+mp2QBs7Fo99pi8MBFUyd6LlRXoaI8Ii+fmUKqRPiNn3eYzmKPJTHjV+hfGj6AqmJ5ij4o0  
8WlZRL3zZth8fPLfjCeWeZXJ5MxLY+YlrBza+vOPFeQ5A8pmkQbZwQYoThbfCU01Yk4oMMwjYHaYzeFCFNOWGk  
W7Vq/UkX9hqwJ1+Qxg3BcApfTsZZXNT3KUF5aUR+F1t7UGg+ZNRIrI+sUriwZzdLdavMuJHJV5KaCZS3/h8/NA  
==

ARC-Authentication-Results: i=1; mx.microsoft.com 1; spf=pass  
smtp.mailfrom=arcusconsulting.co.za; dmarc=pass action=none  
header.from=arcusconsulting.co.za; dkim=pass header.d=arcusconsulting.co.za;  
arc=none

DKIM-Signature: v=1; a=rsa-sha256; c=relaxed/relaxed;  
d=arcusconsultingltd.onmicrosoft.com;  
s=selector1-arcusconsultingltd-onmicrosoft-com;  
h=From:Date:Subject:Message-ID:Content-Type:MIME-Version:X-MS-Exchange-SenderADCheck;  
bh=RQMULxnIAPFGuRacjlyH4EXY7ViwoJ+ZJjbIUlTp/sU=;

b=mzcsYolXJj9dQPI/wZylCwNlGlySnlctot/Z+aiXrIEZwC3csFaKHF7sFkXjk3P7+ddqDesHMY0dpvgbDguY  
IsLVyCZ7okCfLYnyF0HPYCoYnEHY6jp+DqofxlkrAxhXFpw8h3rHgci/ct3NGEln/AvILpN/jbl/eWNDPzvVpA  
E=

Received: from CWLP265MB1089.GBRP265.PROD.OUTLOOK.COM (20.176.34.145) by  
CWLP265MB1585.GBRP265.PROD.OUTLOOK.COM (20.176.33.19) with Microsoft SMTP  
Server (version=TLS1\_2, cipher=TLS\_ECDHE\_RSA\_WITH\_AES\_256\_GCM\_SHA384) id  
15.20.2305.17; Thu, 26 Sep 2019 07:02:56 +0000

Received: from CWLP265MB1089.GBRP265.PROD.OUTLOOK.COM  
([fe80::40fd:9b6f:199e:8b76]) by CWLP265MB1089.GBRP265.PROD.OUTLOOK.COM  
([fe80::40fd:9b6f:199e:8b76%7]) with mapi id 15.20.2284.023; Thu, 26 Sep 2019  
07:02:56 +0000

From: Projects <Projects@arcusconsulting.co.za>  
To: Projects <Projects@arcusconsulting.co.za>  
Subject: Notification of Availability of the San Kraal and Phezukomoya WEF  
Amendments and Basic Assessment Process  
Thread-Topic: Notification of Availability of the San Kraal and Phezukomoya  
WEF Amendments and Basic Assessment Process  
Thread-Index: Adv0NbEZpQG0eCA2T9yLh2S4L0hEZQ==  
Date: Thu, 26 Sep 2019 07:02:56 +0000

Message-ID:  
<CWLP265MB1089872E0EE5B2AD7A19DD2A93860@CWLP265MB1089.GBRP265.PROD.OUTLOOK.COM>

Accept-Language: en-US  
Content-Language: en-US  
X-MS-Has-Attach: yes  
X-MS-TNEF-Correlator:  
authentication-results: spf=none (sender IP is )  
smtp.mailfrom=Projects@arcusconsulting.co.za;  
x-ms-exchange-messagesentrepresentingtype: 1  
x-originating-ip: [196.22.229.227]  
x-ms-publictraffictype: Email  
x-ms-office365-filtering-correlation-id: 94abc114-a289-48c7-c834-08d7424f8f3e  
x-ms-traffictypediagnostic: CWLP265MB1585:  
x-ms-exchange-purlcount: 3  
x-ms-exchange-transport-forked: True  
x-microsoft-antispam-prvs:  
<CWLP265MB1585DC63A3769CB68CC314D481860@CWLP265MB1585.GBRP265.PROD.OUTLOOK.COM>  
x-ms-oob-tlc-oobclassifiers: OLM:262;  
x-forefront-prvs: 0172F0EF77  
x-forefront-antispam-report:

SFV:NSPM;SFS:(10019020)(376002)(346002)(39840400004)(366004)(136003)(396003)(189003)(1  
99004)(6116002)(33656002)(3846002)(7110500001)(861006)(81166006)(81156014)(10916006)(8  
676002)(6436002)(733005)(6306002)(54896002)(15650500001)(55016002)(2420400007)(236005)  
(80792005)(9686003)(6862004)(626008)(316002)(2906002)(25786009)(476003)(26005)(9993600  
1)(14454004)(256004)(478600001)(88996005)(5024004)(14444005)(486006)(86362001)(9928600  
4)(606006)(186003)(5660300002)(7696005)(71190400001)(71200400001)(6200100001)(74316002  
) (8936002)(7736002)(52536014)(66556008)(66576008)(66476007)(7276002)(7336002)(7366002)  
(7416002)(64756008)(66446008)(7406005)(66946007)(102836004)(66066001)(6506007);DIR:OUT  
;SFP:1102;SCL:1;SRVR: CWLP265MB1585;H: CWLP265MB1089.GBRP265.PROD.OUTLOOK.COM;FPR:;SPF:N  
one;LANG:en;PTR:InfoNoRecords;MX:1;A:1;

received-spf: None (protection.outlook.com: arcusconsulting.co.za does not

designate permitted sender hosts)  
x-ms-exchange-senderadcheck: 1  
x-microsoft-antispam: BCL:0;  
x-microsoft-antispam-message-info:  
wTAIj6fbWqeM/8pDxOj3mieHmdM4Ft7hzwWCdwVdxs5DLpCNh1JKAmY9m/JkOsGPmkLzxR7R6Rhq/39zaYYdG1  
k0xcMviTB+EqOwBbfqUQCMVucSXiPkXY9rXE0i4CnctPqDsdvcaR5mYDdzpw3Iv/IspKC3uE42E/oOfyZ9BDLx  
QGejHCCyHlh11TC00JnmsOVXz1fXHowUWX9CeCEAN+kP38ckkbla9tXGtU+ETJnqyGf1+Ke5ChITJ1/983tnRA  
vEbnbz6KDshRmiHtK/fmfMLg94RFFGye8kRlKiA3ZRDps/7VicXxiRkfreX3f2uhS6Dee+yB0gII/r51vTcfwf  
/Bw6p5DKkm8+K91nwRi8xe+bElXiPdTFMb9P1Ey9Z4JDCOk0mnKKzKPNyeRClPwU00vLQZolopkglAVrvPnKL  
h55F2ZDRQNjmnWGSx39Y2v+RtjCKjXLzY7tp+U9Q==  
Content-Type: multipart/mixed;  
    boundary="\_007\_CWLP265MB1089872E0EE5B2AD7A19DD2A93860CWLP265MB1089GBRP\_"  
MIME-Version: 1.0  
X-MS-Exchange-CrossTenant-Network-Message-Id: 94abc114-a289-48c7-c834-08d7424f8f3e  
X-MS-Exchange-CrossTenant-originalarrivaltime: 26 Sep 2019 07:02:56.7581  
    (UTC)  
X-MS-Exchange-CrossTenant-fromentityheader: Hosted  
X-MS-Exchange-CrossTenant-id: d9bba7f2-9d82-4ebf-8cec-bcd827e07f80  
X-MS-Exchange-CrossTenant-mailboxtype: HOSTED  
X-MS-Exchange-CrossTenant-userprincipalname:  
IZKLc0eqZEi3loE5q4Qlyc8ItCoIwiNC3cXVPofwEJKv/ZKebhvp2mhDHIbFGvcAT6emeDEDMbrnW+Kxfh0dMy  
NkJJeJMVUdSnpGDbAcnATk=  
X-MS-Exchange-Transport-CrossTenantHeadersStamped: CWLP265MB1585  
X-IS-SYNAQ-MX: mail-eopbgr110139.outbound.protection.outlook.com ([40.107.11.139]  
helo=GBR01-CWL-obe.outbound.protection.outlook.com)  
X-SYNAQ-Pinpoint-Information: Please contact Internet Solutions for more information  
X-SYNAQ-Pinpoint-ID: lidNnq-0009P4-RT  
X-SYNAQ-Pinpoint: Found to be clean  
X-SYNAQ-Pinpoint-SpamCheck: not spam, SpamAssassin (not cached, score=0.699,  
    required 5, BAYES\_50 1.20, DCC\_REPUT\_00\_12 -0.40, DKIM\_INVALID 0.10,  
    DKIM\_SIGNED 0.10, DOUBLE\_SPF\_NO\_URIRBL -0.30, HTML\_MESSAGE 0.00,  
    SPF\_HELO\_PASS -0.00, SPF\_PASS -0.00)  
X-Pinpoint-From: projects@arcusconsulting.co.za  
X-Spam-Flag: NO  
Return-Path: Projects@arcusconsulting.co.za

## Sophie Williams

---

**From:** postmaster@transnet.net  
**To:** williezietsman@transnet.net  
**Sent:** 26 September 2019 10:03  
**Subject:** Undeliverable: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process

### Delivery has failed to these recipients or groups:

[williezietsman@transnet.net](mailto:williezietsman@transnet.net)

The email address you entered couldn't be found. Please check the recipient's email address and try to resend the message. If the problem continues, please contact your helpdesk.

### Diagnostic information for administrators:

Generating server: JHBWEXDSI106.inter.transnet.net

williezietsman@transnet.net

Remote Server returned '550 5.1.1 RESOLVER.ADR.RecipNotFound; not found'

### Original message headers:

Received: from JHBWEXDSI115.inter.transnet.net (10.98.237.20) by JHBWEXDSI106.inter.transnet.net (10.98.237.9) with Microsoft SMTP Server (TLS) id 15.0.1473.3; Thu, 26 Sep 2019 09:03:20 +0200  
Received: from za-smtp-1.mimecast.co.za (10.98.237.114) by smtp.transnet.net (10.98.237.20) with Microsoft SMTP Server (TLS) id 15.0.1473.3 via Frontend Transport; Thu, 26 Sep 2019 09:03:20 +0200  
ARC-Message-Signature: i=2; a=rsa-sha256; c=relaxed/relaxed; d=dkim.mimecast.com; s=201903; t=1569481400; h=from:from:reply-to:subject:subject:date:date:message-id:message-id:to:to:cc:mime-version:mime-version:content-type:content-type:dkim-signature; bh=EPD0NQfTwjtoSQINRx6yAMgUoT2fNkoWsOj+ghjnsJ4=; b=pYyGqXtAla5F6AYENikwm521E/Da4CYs9a/imIPvUNgxfAnyhY8fSxlapcTmcGQ9Cq2luyQ76LP5vS0nudwEgIwYQaIvyFhVM6M76xQ9TK6S368z2cqBCrcjJxIAGkVv+HsxQGLrtG0yUHOke4Sk8yiXR+y237MftMn73NOrIril5VjBZuPYDs+qP4Ms63YJ8wm+8OlKgnpm3wePSKqoFGhsX5HYozljOWRFUg0Hcx2f9UnwDlefDsIlKDTK5omrFN4c7ZlNY4gITDjyKKDndtJQeYTAnrAHC3DhQaDvG9OxRcorUsepgAJ/576w32mxPJTzLYPWmqyDvIt/52c04A==  
ARC-Seal: i=2; s=201903; d=dkim.mimecast.com; t=1569481400; a=rsa-sha256; cv=fail; b=gO3+C6cJraj7YZo62S1zIUTdkmBkgr3WWJzSKBK9C+817dD6WZEFcyvvc6eKXgPTk92WyPN/9D356vy114Q/PZquWb6x3UJbjvbXI/I003tdHftZefSVRFUq+cz9Q0UF0WNsHT0jwxo0CoN9yVBdvFCU5N0jiEG9qecntO+XWk7h5i+LaWmAl9ylnxW2VKIots4iPEpnMDvJCsJafbSqe06FNl12P1l1bmXi3Wbk8ZXR5KcSwG9njaS6XaOBQBnUf2kjFhCN0zU4EYiTNDIYvQCvtaj+Yqd6aiNu5YG7OTbE5HXgBANCe4pShtnHzEJ2+agcrOEc0xrLhhv4DogUDA==  
ARC-Authentication-Results: i=2; relay.mimecast.com; spf=pass (relay.mimecast.com: domain of projects@arcusconsulting.co.za designates 40.107.11.117 as permitted sender) smtp.mailfrom=projects@arcusconsulting.co.za  
ARC-Seal: i=1; a=rsa-sha256; s=arcselector9901; d=microsoft.com; cv=none;

b=QNN0FQfkzK6JYZE6YhFiBZkWGOS3sJUNdz5AA5qKvMYTBUDcliHoDtRBJCunBklogR7Lt0SBdOP8ugSeGK7  
mawCFxH4sjCaVWoIAmkstjcvl2tGgtaCNXFmqBNh5D8AdfXrzYAJpEgt9cLl2llul5VUzRp9O9JrHVZ9q2uju5  
gpeKscDiCbEHeOk1H9BCGt4S2PgEJPKHPj/N/rjtIFsHS9+ZF9AnKgaegfZe0Vvx+nLDjteaP+GcYgNT2Rbg9t  
D1SXoVRLG6PpAxldCCvcOufZe87YIcaMncNwPAP73pvJkg/jUJBRo7ecZMsHvOTx8CL3jJLSAuG5RG9Mub9wfa  
==

ARC-Message-Signature: i=1; a=rsa-sha256; c=relaxed/relaxed; d=microsoft.com;  
s=arcselector9901;  
h=From:Date:Subject:Message-ID:Content-Type:MIME-Version:X-MS-Exchange-SenderADCheck;  
bh=RQMULxnIAPFGuRacjlyH4EXY7ViwoJ+ZJjbIUlTp/sU=;

b=aToszp2XZsmcw2xJsrs3wuouR2pNYYZ2EzVcPf2FcmxOHme2ZbObDwD/UfVgaAzd+7i0SJ3Vlc5NYO0XobneL  
eJ8RvoFJReJJ9HT+mp2QBs7Fo99pi8MBFUy6LlRXoaI8Ii+fmUKqRPiNn3eYzmKPJTHjV+hfGj6AqmJ5ij4o0  
8W1zRL3zZth8fPlfjCeWeZXXJ5MxLY+Ylrbza+vOPFeQ5A8pmkQbZwQYoThbfCU01Yk4oMMwjYHaYzeFCFNOWGk  
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==

ARC-Authentication-Results: i=1; mx.microsoft.com 1; spf=pass  
smtp.mailfrom=arcusconsulting.co.za; dmarc=pass action=none  
header.from=arcusconsulting.co.za; dkim=pass header.d=arcusconsulting.co.za;  
arc=none

DKIM-Signature: v=1; a=rsa-sha256; c=relaxed/relaxed;  
d=arcusconsultingltd.onmicrosoft.com;  
s=selector1-arcusconsultingltd-onmicrosoft-com;  
h=From:Date:Subject:Message-ID:Content-Type:MIME-Version:X-MS-Exchange-SenderADCheck;  
bh=RQMULxnIAPFGuRacjlyH4EXY7ViwoJ+ZJjbIUlTp/sU=;

b=mzcsYolXJj9dQPI/wZylCwNlGlySnlctot/Z+aiXrIEZwC3csFaKHF7sFkXjk3P7+ddqDesHMY0dpvgbDguY  
IsLVyCZ7okCfLYnyF0HPYCoYnEHY6jp+Dqofx1krAxhXFpw8h3rHgci/ct3NGElN/AvILpN/jbl/eWNDPzvVpA  
E=

Received: from GBR01-CWL-obe.outbound.protection.outlook.com  
(mail-eopbgr110117.outbound.protection.outlook.com [40.107.11.117]) (Using  
TLS) by relay.mimecast.com with ESMTP id  
za-mta-10-6E2lOK1lMZ6N-s0Vct6WwQ-1; Thu, 26 Sep 2019 09:03:01 +0200

Received: from CWLP265MB1089.GBRP265.PROD.OUTLOOK.COM (20.176.34.145) by  
CWLP265MB1585.GBRP265.PROD.OUTLOOK.COM (20.176.33.19) with Microsoft SMTP  
Server (version=TLS1\_2, cipher=TLS\_ECDHE\_RSA\_WITH\_AES\_256\_GCM\_SHA384) id  
15.20.2305.17; Thu, 26 Sep 2019 07:02:56 +0000

Received: from CWLP265MB1089.GBRP265.PROD.OUTLOOK.COM  
([fe80::40fd:9b6f:199e:8b76]) by CWLP265MB1089.GBRP265.PROD.OUTLOOK.COM  
([fe80::40fd:9b6f:199e:8b76%7]) with mapi id 15.20.2284.023; Thu, 26 Sep 2019  
07:02:56 +0000

From: Projects <Projects@arcusconsulting.co.za>  
To: Projects <Projects@arcusconsulting.co.za>  
Subject: Notification of Availability of the San Kraal and Phezukomoya WEF  
Amendments and Basic Assessment Process  
Thread-Topic: Notification of Availability of the San Kraal and Phezukomoya  
WEF Amendments and Basic Assessment Process  
Thread-Index: Adv0NbEZpQG0eCA2T9yLh2S4L0hEZQ==  
Disposition-Notification-To: Projects <Projects@arcusconsulting.co.za>  
Return-Receipt-To: <Projects@arcusconsulting.co.za>  
Date: Thu, 26 Sep 2019 07:02:56 +0000  
Message-ID:  
<CWLP265MB1089872E0EE5B2AD7A19DD2A93860@CWLP265MB1089.GBRP265.PROD.OUTLOOK.COM>  
Accept-Language: en-US  
Content-Language: en-US  
X-MS-Has-Attach: yes  
X-MS-TNEF-Correlator:  
x-ms-exchange-messagesentrepresentingtype: 1  
x-originating-ip: [196.22.229.227]  
x-ms-publictraffictype: Email  
x-ms-office365-filtering-correlation-id: 94abc114-a289-48c7-c834-08d7424f8f3e  
x-ms-trafficdiagnostic: CWLP265MB1585:  
x-ms-exchange-purlcount: 3  
x-ms-exchange-transport-forked: True  
x-microsoft-antispam-prvs:  
<CWLP265MB1585DC63A3769CB68CC314D481860@CWLP265MB1585.GBRP265.PROD.OUTLOOK.COM>

x-ms-oob-tlc-oobclassifiers: OLM:262;  
x-forefront-prvs: 0172F0EF77  
x-forefront-antispam-report:  
SFV:NSPM;SFS:(10019020)(376002)(346002)(39840400004)(366004)(136003)(396003)(189003)(199004)(6116002)(33656002)(3846002)(7110500001)(861006)(81166006)(81156014)(10916006)(8676002)(6436002)(733005)(6306002)(54896002)(15650500001)(55016002)(2420400007)(236005)(80792005)(9686003)(6862004)(626008)(316002)(2906002)(25786009)(476003)(26005)(99936001)(14454004)(256004)(478600001)(88996005)(5024004)(14444005)(486006)(86362001)(99286004)(606006)(186003)(5660300002)(7696005)(71190400001)(71200400001)(6200100001)(74316002)(8936002)(7736002)(52536014)(66556008)(66576008)(66476007)(7276002)(7336002)(7366002)(7416002)(64756008)(66446008)(7406005)(66946007)(102836004)(66066001)(6506007);DIR:OUT;SFP:1102;SCL:1;SRVR:CWLP265MB1585;H:CWLP265MB1089.GBRP265.PROD.OUTLOOK.COM;FPR:;SPF:NONE;LANG:en;PTR:InfoNoRecords;MX:1;A:1;  
x-ms-exchange-senderadcheck: 1  
x-microsoft-antispam: BCL:0;  
x-microsoft-antispam-message-info:  
wTAIj6fbWqeM/8pDxOj3mieHmdM4Ft7hzwWCdwVdXS5DLpCNhlJKAmY9m/JkOsGPmkLzXR7R6Rhq/39zaYYdG1k0xcMviTB+EqOwBbfqUQCMVucSXiPkXY9rXE0i4CnctPqDsdvcaR5mYDdzpw3Iv/IspKC3uE42E/oOfyZ9BDLxQGejHCCyHlh11TC00JnmsOVXz1fXHowUWX9CeCEAN+kP38ckkbla9tXGtU+ETJnqyGf1+Ke5ChITJ1/983tnRAvEbnbz6KDshRmiHtK/fmFmLg94RFFGye8kRlKiA3ZRDps/7VicXxiRkfreX3f2uhS6Dee+yB0gII/r51vTcfwf/Bw6p5DKkm8+K91nwRi8xe+bElXiPdTFMb9P1Ey9Z4JDCOk0mnKKzKPNyeRClPwUOovLQZoIopkglAVrvPnKLh55F2ZDRQNjmnWGSx39Y2v+RtjCKjXLzY7tp+U9Q==  
MIME-Version: 1.0  
X-MS-Exchange-CrossTenant-Network-Message-Id: 94abc114-a289-48c7-c834-08d7424f8f3e  
X-MS-Exchange-CrossTenant-originalarrivaltime: 26 Sep 2019 07:02:56.7581 (UTC)  
X-MS-Exchange-CrossTenant-fromentityheader: Hosted  
X-MS-Exchange-CrossTenant-id: d9bba7f2-9d82-4ebf-8cec-bcd827e07f80  
X-MS-Exchange-CrossTenant-mailboxtype: HOSTED  
X-MS-Exchange-CrossTenant-userprincipalname: IZKLc0eqZEi3loE5q4Qlyc8ItCoIwiNC3cXVPofwEJKv/ZKebhvp2mhDHIbFGvcAT6emeDEDmbrnW+Kxfh0dMyNkJeJMVUdSnpGDbAcnATk=  
X-MS-Exchange-Transport-CrossTenantHeadersStamped: CWLP265MB1585  
X-MC-Unique: 6E2lOK1lMZ6N-s0Vct6WwQ-1  
Authentication-Results: relay.mimecast.com; spf=pass (relay.mimecast.com: domain of projects@arcusconsulting.co.za designates 40.107.11.117 as permitted sender) smtp.mailfrom=projects@arcusconsulting.co.za  
X-Mimecast-Spam-Score: 2  
X-Mimecast-Impersonation-Protect: Policy=3 hits, no action with tagging, notifications issued;Similar Internal Domain=false;Similar Monitored External Domain=false;Custom External Domain=false;Mimecast External Domain=false;Newly Observed Domain=false;Internal User Name=false;Reply-to Address Mismatch=false;Targeted Threat Dictionary=false;Mimecast Threat Dictionary=false;Custom Threat Dictionary=false; Content-Type: multipart/mixed;  
boundary="\_007\_CWLP265MB1089872E0EE5B2AD7A19DD2A93860CWLP265MB1089GBRP\_"  
Return-Path: projects@arcusconsulting.co.za



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## Sophie Williams

---

**From:** postmaster@transnet.net  
**To:** eddie.seaton@transnet.net  
**Sent:** 26 September 2019 10:03  
**Subject:** Undeliverable: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process

### Delivery has failed to these recipients or groups:

[eddie.seaton@transnet.net](mailto:eddie.seaton@transnet.net)

The email address you entered couldn't be found. Please check the recipient's email address and try to resend the message. If the problem continues, please contact your helpdesk.

### Diagnostic information for administrators:

Generating server: JHBWEXDSI118.inter.transnet.net

eddie.seaton@transnet.net

Remote Server returned '550 5.1.1 RESOLVER.ADR.RecipNotFound; not found'

### Original message headers:

Received: from JHBWEXDSI107.inter.transnet.net (10.98.237.6) by JHBWEXDSI118.inter.transnet.net (10.98.237.23) with Microsoft SMTP Server (TLS) id 15.0.1473.3; Thu, 26 Sep 2019 09:03:28 +0200  
Received: from za-smtp-1.mimecast.co.za (10.98.237.102) by smtp.transnet.net (10.98.237.6) with Microsoft SMTP Server (TLS) id 15.0.1473.3 via Frontend Transport; Thu, 26 Sep 2019 09:03:28 +0200  
ARC-Message-Signature: i=2; a=rsa-sha256; c=relaxed/relaxed; d=dkim.mimecast.com; s=201903; t=1569481408; h=from:from:reply-to:subject:subject:date:date:message-id:message-id:to:to:cc:mime-version:mime-version:content-type:content-type:dkim-signature; bh=SYgHKpyFDYhBFv4CCT0P5BLp6MSzKDOLVA6609pXbak=; b=WDoYYyno4lQHEijor6cNBCQFdjnL56lLr31ME/bHgg21PRDqp+deRoiwQuHT+qSdJt5etOFKpIJgAqlKfSiK+V/DZkb0UPNGDXEYHqxPXZwM3PoWKEdEsEd7VzNZPPyATDQFRB6Xkkf2kq5lQiSUUMeYpeamPOAuNdnSdWZ9TXyazOgCyrJmkGwrgtQ/sHPOitc63RypCDdbwBbLT D7Obs0lqvMpEuDRqTs+MQ2KJpjEkXjpxtENGkSzIMgnJwkh6yWibUsksdZUc6vGxG4tYnhqh9Ca38l/mLfDEvwSuCJ0Vqw6397WJQNYcwmncfUJGxKI8prl4Rw8iELU7tokA==  
ARC-Seal: i=2; s=201903; d=dkim.mimecast.com; t=1569481408; a=rsa-sha256; cv=fail; b=LwmD0nrRFGQdaDhGAvPvtmDoiLr5gS8vuK0I0VIwZv3qkRmJxgCgRHl29DGTdkMhr2rFRa+nJlglkBGNMkd3KyOZUmoAU2enk041PGlyfvX0DF77ZFJ6ZXgWKuDdtNLEz2duGaM3bfohRxdq0q8eiePmWu10a2vZTq6RQjRkpk+kf8FflnC0ynCkdPHTVA7k7EHq0B5DX1fwR0T/2HVibb+qglZrcqGAgS28wODof59W0c6GyHi+XjftVSSXCEduSRTBU+X0JWulzicmrwNahAZejir7mETfmd4+1zCYwE2fSB0jKlKJWgKtnRhngysWPUsqYSjkl2zZ2MFjTBXOURg==  
ARC-Authentication-Results: i=2; relay.mimecast.com; spf=pass (relay.mimecast.com: domain of projects@arcusconsulting.co.za designates 40.107.11.117 as permitted sender) smtp.mailfrom=projects@arcusconsulting.co.za  
ARC-Seal: i=1; a=rsa-sha256; s=arcselector9901; d=microsoft.com; cv=none;

b=QNN0FQfkzK6JYZE6YhFiBZkWGOS3sJUNdz5AA5qKvMYTBUDcliHoDtRBJCunBklogR7Lt0SBdOP8ugSeGK7  
mawCFxH4sjCaVWoIAmkstjcvl2tGgtaCNXFmqBNh5D8AdfXrzYAJpEgt9cLl2llul5VUzRp9O9JrHVZ9q2uju5  
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ARC-Message-Signature: i=1; a=rsa-sha256; c=relaxed/relaxed; d=microsoft.com;  
s=arcselector9901;  
h=From:Date:Subject:Message-ID:Content-Type:MIME-Version:X-MS-Exchange-SenderADCheck;  
bh=RQMULxnIAPFGuRacjlyH4EXY7ViwoJ+ZJjbIUlTp/sU=;

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8WlZRL3zZth8fPlfjCeWeZXXJ5MxLY+Ylrbza+vOPFeQ5A8pmkQbZwQYoThbfCU01Yk4oMMwjYHaYzeFCFNOWGk  
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==

ARC-Authentication-Results: i=1; mx.microsoft.com 1; spf=pass  
smtp.mailfrom=arcusconsulting.co.za; dmarc=pass action=none  
header.from=arcusconsulting.co.za; dkim=pass header.d=arcusconsulting.co.za;  
arc=none

DKIM-Signature: v=1; a=rsa-sha256; c=relaxed/relaxed;  
d=arcusconsultingltd.onmicrosoft.com;  
s=selector1-arcusconsultingltd-onmicrosoft-com;  
h=From:Date:Subject:Message-ID:Content-Type:MIME-Version:X-MS-Exchange-SenderADCheck;  
bh=RQMULxnIAPFGuRacjlyH4EXY7ViwoJ+ZJjbIUlTp/sU=;

b=mzcsYolXJj9dQPI/wZylCwNlGlySnlctot/Z+aiXrIEZwC3csFaKHF7sFkXjk3P7+ddqDesHMY0dpvgbDguY  
IsLVyCZ7okCfLYnyF0HPYCoYnEHY6jp+Dqofx1krAxhXFpw8h3rHgci/ct3NGElN/AvILpN/jbl/eWNDPzvVpA  
E=

Received: from GBR01-CWL-obe.outbound.protection.outlook.com  
(mail-eopbgr110117.outbound.protection.outlook.com [40.107.11.117]) (Using  
TLS) by relay.mimecast.com with ESMTP id  
za-mta-10-6E2lOK1lMZ6N-s0Vct6WwQ-1; Thu, 26 Sep 2019 09:03:01 +0200

Received: from CWLP265MB1089.GBRP265.PROD.OUTLOOK.COM (20.176.34.145) by  
CWLP265MB1585.GBRP265.PROD.OUTLOOK.COM (20.176.33.19) with Microsoft SMTP  
Server (version=TLS1\_2, cipher=TLS\_ECDHE\_RSA\_WITH\_AES\_256\_GCM\_SHA384) id  
15.20.2305.17; Thu, 26 Sep 2019 07:02:56 +0000

Received: from CWLP265MB1089.GBRP265.PROD.OUTLOOK.COM  
([fe80::40fd:9b6f:199e:8b76]) by CWLP265MB1089.GBRP265.PROD.OUTLOOK.COM  
([fe80::40fd:9b6f:199e:8b76%7]) with mapi id 15.20.2284.023; Thu, 26 Sep 2019  
07:02:56 +0000

From: Projects <Projects@arcusconsulting.co.za>  
To: Projects <Projects@arcusconsulting.co.za>  
Subject: Notification of Availability of the San Kraal and Phezukomoya WEF  
Amendments and Basic Assessment Process  
Thread-Topic: Notification of Availability of the San Kraal and Phezukomoya  
WEF Amendments and Basic Assessment Process  
Thread-Index: Adv0NbEZpQG0eCA2T9yLh2S4L0hEZQ==  
Disposition-Notification-To: Projects <Projects@arcusconsulting.co.za>  
Return-Receipt-To: <Projects@arcusconsulting.co.za>  
Date: Thu, 26 Sep 2019 07:02:56 +0000  
Message-ID:  
<CWLP265MB1089872E0EE5B2AD7A19DD2A93860@CWLP265MB1089.GBRP265.PROD.OUTLOOK.COM>  
Accept-Language: en-US  
Content-Language: en-US  
X-MS-Has-Attach: yes  
X-MS-TNEF-Correlator:  
x-ms-exchange-messagesentrepresentingtype: 1  
x-originating-ip: [196.22.229.227]  
x-ms-publictraffictype: Email  
x-ms-office365-filtering-correlation-id: 94abc114-a289-48c7-c834-08d7424f8f3e  
x-ms-trafficdiagnostic: CWLP265MB1585:  
x-ms-exchange-purlcount: 3  
x-ms-exchange-transport-forked: True  
x-microsoft-antispam-prvs:  
<CWLP265MB1585DC63A3769CB68CC314D481860@CWLP265MB1585.GBRP265.PROD.OUTLOOK.COM>



x-ms-oob-tlc-oobclassifiers: OLM:262;  
x-forefront-prvs: 0172F0EF77  
x-forefront-antispam-report:  
SFV:NSPM;SFS:(10019020)(376002)(346002)(39840400004)(366004)(136003)(396003)(189003)(199004)(6116002)(33656002)(3846002)(7110500001)(861006)(81166006)(81156014)(10916006)(8676002)(6436002)(733005)(6306002)(54896002)(15650500001)(55016002)(2420400007)(236005)(80792005)(9686003)(6862004)(626008)(316002)(2906002)(25786009)(476003)(26005)(99936001)(14454004)(256004)(478600001)(88996005)(5024004)(14444005)(486006)(86362001)(99286004)(606006)(186003)(5660300002)(7696005)(71190400001)(71200400001)(6200100001)(74316002)(8936002)(7736002)(52536014)(66556008)(66576008)(66476007)(7276002)(7336002)(7366002)(7416002)(64756008)(66446008)(7406005)(66946007)(102836004)(66066001)(6506007);DIR:OUT;SFP:1102;SCL:1;SRVR:CWLP265MB1585;H:CWLP265MB1089.GBRP265.PROD.OUTLOOK.COM;FPR:;SPF:NONE;LANG:en;PTR:InfoNoRecords;MX:1;A:1;  
x-ms-exchange-senderadcheck: 1  
x-microsoft-antispam: BCL:0;  
x-microsoft-antispam-message-info:  
wTAIj6fbWqeM/8pDxOj3mieHmdM4Ft7hzwWCdwVdxs5DLpCNhlJKAmY9m/JkOsGPmkLzxr7R6Rhq/39zaYYdG1k0xcMviTB+EqOwBbfqUQCMVucSXiPkXY9rXE0i4CnctPqDsdvcaR5mYDdzpw3Iv/IspKC3uE42E/oOfyZ9BDLxQGejHCCyHlh11TC00JnmsOVXz1fXHowUWX9CeCEAN+kP38ckkbla9tXGtU+ETJnqyGf1+Ke5ChITJ1/983tnRAvEbnbz6KDshRmiHtK/fmFmLg94RFFGye8kRlKiA3ZRDps/7VicXxiRkfreX3f2uhS6Dee+yB0gII/r51vTcfwf/Bw6p5DKkm8+K91nwRi8xe+bElXiPdTFMb9P1Ey9Z4JDCOk0mnKKzKPNyeRClPwUOovLQZo1opkglAVrvPnKLh55F2ZDRQNjmnWGSx39Y2v+RtjCKjXLzY7tp+U9Q==  
MIME-Version: 1.0  
X-MS-Exchange-CrossTenant-Network-Message-Id: 94abc114-a289-48c7-c834-08d7424f8f3e  
X-MS-Exchange-CrossTenant-originalarrivaltime: 26 Sep 2019 07:02:56.7581 (UTC)  
X-MS-Exchange-CrossTenant-fromentityheader: Hosted  
X-MS-Exchange-CrossTenant-id: d9bba7f2-9d82-4ebf-8cec-bcd827e07f80  
X-MS-Exchange-CrossTenant-mailboxtype: HOSTED  
X-MS-Exchange-CrossTenant-userprincipalname: IZKLc0eqZEi31oE5q4Qlyc8ItCoIwiNC3cXVPofwEJKv/ZKebhvp2mhDHIbFGvcAT6emeDEDmbrnW+Kxfh0dMyNkJJeJMVUdSnpGDbAcnATk=  
X-MS-Exchange-Transport-CrossTenantHeadersStamped: CWLP265MB1585  
X-MC-Unique: 6E21OK11MZ6N-s0Vct6WwQ-1  
Authentication-Results: relay.mimecast.com; spf=pass (relay.mimecast.com: domain of projects@arcusconsulting.co.za designates 40.107.11.117 as permitted sender) smtp.mailfrom=projects@arcusconsulting.co.za  
X-Mimecast-Spam-Score: 2  
X-Mimecast-Impersonation-Protect: Policy=3 hits, no action with tagging, notifications issued;Similar Internal Domain=false;Similar Monitored External Domain=false;Custom External Domain=false;Mimecast External Domain=false;Newly Observed Domain=false;Internal User Name=false;Reply-to Address Mismatch=false;Targeted Threat Dictionary=false;Mimecast Threat Dictionary=false;Custom Threat Dictionary=false; Content-Type: multipart/mixed;  
boundary="\_007\_CWLP265MB1089872E0EE5B2AD7A19DD2A93860CWLP265MB1089GBRP\_"  
Return-Path: projects@arcusconsulting.co.za



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## Sophie Williams

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**From:** Mail Delivery System <Mailer-Daemon@mx1.dot.gov.za>  
**To:** selepeg@dot.gov.za  
**Sent:** 26 September 2019 10:03  
**Subject:** Undeliverable: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process

This message was created automatically by mail delivery software.

A message that you sent could not be delivered to one or more of its recipients. This is a permanent error. The following address(es) failed:

selepeg@dot.gov.za  
host trans-mail.dot.gov.za [10.129.10.34]  
SMTP error from remote mail server after RCPT TO:<selepeg@dot.gov.za>:  
550 No such recipient

## Sophie Williams

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**From:** Microsoft Outlook  
**To:** jan@safetyzonesa.co.za  
**Sent:** 26 September 2019 10:04  
**Subject:** Relayed: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process

**Delivery to these recipients or groups is complete, but no delivery notification was sent by the destination server:**

[jan@safetyzonesa.co.za](mailto:jan@safetyzonesa.co.za) ([jan@safetyzonesa.co.za](mailto:jan@safetyzonesa.co.za))

Subject: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process



Notification of  
Availability o...

## Sophie Williams

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**From:** postmaster@transnet.net  
**To:** willie.ziedsman@transnet.net  
**Sent:** 26 September 2019 10:03  
**Subject:** Undeliverable: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process

### Delivery has failed to these recipients or groups:

[willie.ziedsman@transnet.net](mailto:willie.ziedsman@transnet.net)

The email address you entered couldn't be found. Please check the recipient's email address and try to resend the message. If the problem continues, please contact your helpdesk.

### Diagnostic information for administrators:

Generating server: JHBWEXDSI107.inter.transnet.net

willie.ziedsman@transnet.net

Remote Server returned '550 5.1.1 RESOLVER.ADR.RecipNotFound; not found'

### Original message headers:

Received: from JHBWEXDSI108.inter.transnet.net (10.98.237.5) by JHBWEXDSI107.inter.transnet.net (10.98.237.6) with Microsoft SMTP Server (TLS) id 15.0.1473.3; Thu, 26 Sep 2019 09:03:18 +0200  
Received: from za-smtp-1.mimecast.co.za (10.98.237.103) by smtp.transnet.net (10.98.237.5) with Microsoft SMTP Server (TLS) id 15.0.1473.3 via Frontend Transport; Thu, 26 Sep 2019 09:03:18 +0200  
ARC-Message-Signature: i=2; a=rsa-sha256; c=relaxed/relaxed; d=dkim.mimecast.com; s=201903; t=1569481398; h=from:from:reply-to:subject:subject:date:date:message-id:message-id:to:to:cc:mime-version:mime-version:content-type:content-type:dkim-signature; bh=1A3LceplOcpTdaYtwxJFTu0bXrkBg+FpFqoA5Kc7qjQ=; b=H0sfg8DISqj5G+t6Zafb30kowePYcMoRbHWjPjkPqwojvJGBCmkVKgyvYF1b3euKlyeGnO+i+iDhRkKMj0zrd5I5jXFaIRJYqVL7gTe0o72HswsaW0JzDo4KS9DjNc0T2y+eI1kwrOyI CvtWdeD3oz0G7Ece7HcsZo7nlKRTLauLx03wVvZdhbp19PrajpLsknaUPftdONQYZvW4vf nz5/MTt10EavlqwdpuBfCqLxv4wjiC+jibvSEuNnFgNRC0ppdWyeYelY5PYMZS0nxDo5Kg R+Bo6GfZJla0UeahOrfEkNrDqpdghaAw32xlQkZD6HgK1S2U1FTuFLS0+fFOQA==  
ARC-Seal: i=2; s=201903; d=dkim.mimecast.com; t=1569481398; a=rsa-sha256; cv=fail; b=oQUG3yDyiTpjzSV+c1qRofbS/FUyJ8PCCKZrs9mgThoU7G8xyP0N0DnyTXqLX36aBp8HYu Zia6c5iVVgDOyDyamIkguOAC1wiPm+T/f+ITvQR+54MYeDRfMMLxUjJrvw7GgwkTCZQDwY 8CUsy/XGglvaW/YwJJ7i7RajAUA5PA1tLzXuYHqc+4tVvvhx6uTGYj8licaapOFw+cWfl abtBj6dbPjapMaHGWFeg/E81mKgygZihoiBrdeMgKUKWFQjYsJx77fvcfsnfxCVlar/tr4 KsSDRi1SLLWeLhL77JkiK0WPT2bweJ7Zy9ZaPbN69SmzQAAb6SsOGEezZgLU3g==  
ARC-Authentication-Results: i=2; relay.mimecast.com; spf=pass (relay.mimecast.com: domain of projects@arcusconsulting.co.za designates 40.107.11.117 as permitted sender) smtp.mailfrom=projects@arcusconsulting.co.za  
ARC-Seal: i=1; a=rsa-sha256; s=arcselector9901; d=microsoft.com; cv=none;

b=QNN0FQfkzK6JYZE6YhFiBZkWGOS3sJUNdz5AA5qKvMYTBUdDCliHoDtRBJCunBklogR7Lt0SBdOP8ugSeGK7  
mawCFxH4sjCaVWoIAmkstjcvl2tGgtaCNXFmqBNh5D8AdfXrzYAJpEgt9cLl2llul5VUzRp9O9JrHVZ9q2uju5  
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D1SXoVRLG6PpAxldCCvcOufZe87YIcaMncNwPAP73pvJkg/jUJBRo7ecZMsHvOTx8CL3jJLSAuG5RG9Mub9wfa  
==

ARC-Message-Signature: i=1; a=rsa-sha256; c=relaxed/relaxed; d=microsoft.com;  
s=arcselector9901;  
h=From:Date:Subject:Message-ID:Content-Type:MIME-Version:X-MS-Exchange-SenderADCheck;  
bh=RQMULxnIAPFGuRacjlyH4EXY7ViwoJ+ZJjbIUlTp/sU=;

b=aToszp2XZsmcw2xJsr3wuouR2pNYYZ2EzVcPf2FcmxOHme2ZbObDwD/UfVgaAzd+7i0SJ3Vlc5NYO0XobneL  
eJ8RvoFJReJJ9HT+mp2QBs7Fo99pi8MBFUy6LlRXoaI8Ii+fmUKqRPiNn3eYzmKPJTHjV+hfGj6AqmJ5ij4o0  
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==

ARC-Authentication-Results: i=1; mx.microsoft.com 1; spf=pass  
smtp.mailfrom=arcusconsulting.co.za; dmarc=pass action=none  
header.from=arcusconsulting.co.za; dkim=pass header.d=arcusconsulting.co.za;  
arc=none

DKIM-Signature: v=1; a=rsa-sha256; c=relaxed/relaxed;  
d=arcusconsultingltd.onmicrosoft.com;  
s=selector1-arcusconsultingltd-onmicrosoft-com;  
h=From:Date:Subject:Message-ID:Content-Type:MIME-Version:X-MS-Exchange-SenderADCheck;  
bh=RQMULxnIAPFGuRacjlyH4EXY7ViwoJ+ZJjbIUlTp/sU=;

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E=

Received: from GBR01-CWL-obe.outbound.protection.outlook.com  
(mail-eopbgr110117.outbound.protection.outlook.com [40.107.11.117]) (Using  
TLS) by relay.mimecast.com with ESMTP id  
za-mta-10-6E2lOK1lMZ6N-s0Vct6WwQ-1; Thu, 26 Sep 2019 09:03:01 +0200

Received: from CWLP265MB1089.GBRP265.PROD.OUTLOOK.COM (20.176.34.145) by  
CWLP265MB1585.GBRP265.PROD.OUTLOOK.COM (20.176.33.19) with Microsoft SMTP  
Server (version=TLS1\_2, cipher=TLS\_ECDHE\_RSA\_WITH\_AES\_256\_GCM\_SHA384) id  
15.20.2305.17; Thu, 26 Sep 2019 07:02:56 +0000

Received: from CWLP265MB1089.GBRP265.PROD.OUTLOOK.COM  
([fe80::40fd:9b6f:199e:8b76]) by CWLP265MB1089.GBRP265.PROD.OUTLOOK.COM  
([fe80::40fd:9b6f:199e:8b76%7]) with mapi id 15.20.2284.023; Thu, 26 Sep 2019  
07:02:56 +0000

From: Projects <Projects@arcusconsulting.co.za>

To: Projects <Projects@arcusconsulting.co.za>

Subject: Notification of Availability of the San Kraal and Phezukomoya WEF  
Amendments and Basic Assessment Process

Thread-Topic: Notification of Availability of the San Kraal and Phezukomoya  
WEF Amendments and Basic Assessment Process

Thread-Index: Adv0NbEZpQG0eCA2T9yLh2S4L0hEZQ==

Disposition-Notification-To: Projects <Projects@arcusconsulting.co.za>

Return-Receipt-To: <Projects@arcusconsulting.co.za>

Date: Thu, 26 Sep 2019 07:02:56 +0000

Message-ID:

<CWLP265MB1089872E0EE5B2AD7A19DD2A93860@CWLP265MB1089.GBRP265.PROD.OUTLOOK.COM>

Accept-Language: en-US

Content-Language: en-US

X-MS-Has-Attach: yes

X-MS-TNEF-Correlator:

x-ms-exchange-messagesentrepresentingtype: 1

x-originating-ip: [196.22.229.227]

x-ms-publictraffictype: Email

x-ms-office365-filtering-correlation-id: 94abc114-a289-48c7-c834-08d7424f8f3e

x-ms-traffictypediagnostic: CWLP265MB1585:

x-ms-exchange-purlcount: 3

x-ms-exchange-transport-forked: True

x-microsoft-antispam-prvs:

<CWLP265MB1585DC63A3769CB68CC314D481860@CWLP265MB1585.GBRP265.PROD.OUTLOOK.COM>

x-ms-oob-tlc-oobclassifiers: OLM:262;  
x-forefront-prvs: 0172F0EF77  
x-forefront-antispam-report:  
SFV:NSPM;SFS:(10019020)(376002)(346002)(39840400004)(366004)(136003)(396003)(189003)(199004)(6116002)(33656002)(3846002)(7110500001)(861006)(81166006)(81156014)(10916006)(8676002)(6436002)(733005)(6306002)(54896002)(15650500001)(55016002)(2420400007)(236005)(80792005)(9686003)(6862004)(626008)(316002)(2906002)(25786009)(476003)(26005)(99936001)(14454004)(256004)(478600001)(88996005)(5024004)(14444005)(486006)(86362001)(99286004)(606006)(186003)(5660300002)(7696005)(71190400001)(71200400001)(6200100001)(74316002)(8936002)(7736002)(52536014)(66556008)(66576008)(66476007)(7276002)(7336002)(7366002)(7416002)(64756008)(66446008)(7406005)(66946007)(102836004)(66066001)(6506007);DIR:OUT;SFP:1102;SCL:1;SRVR:CWLP265MB1585;H:CWLP265MB1089.GBRP265.PROD.OUTLOOK.COM;FPR:;SPF:NONE;LANG:en;PTR:InfoNoRecords;MX:1;A:1;  
x-ms-exchange-senderadcheck: 1  
x-microsoft-antispam: BCL:0;  
x-microsoft-antispam-message-info:  
wTAIj6fbWqeM/8pDxOj3mieHmdM4Ft7hzwWCdwVdXS5DLpCNhlJKAmY9m/JkOsGPmkLzXR7R6Rhq/39zaYYdG1k0xcMviTB+EqOwBbfqUQCMVucSXiPkXY9rXE0i4CnctPqDsdvcaR5mYDdzpw3Iv/IspKC3uE42E/oOfyZ9BDLxQGejHCCyHlh11TC00JnmsOVXz1fXHowUWX9CeCEAN+kP38ckkbla9tXGtU+ETJnqyGf1+Ke5ChITJ1/983tnRAvEbnbz6KDshRmiHtK/fmFmLg94RFFGye8kRlKiA3ZRDps/7VicXxiRkfreX3f2uhS6Dee+yB0gII/r51vTcfwf/Bw6p5DKkm8+K91nwRi8xe+bElXiPdTFMb9P1Ey9Z4JDCOk0mnKKzKPNyeRClPwUOovLQZoIopkglAVrvPnKLh55F2ZDRQNjmnWGSx39Y2v+RtjCKjXLzY7tp+U9Q==  
MIME-Version: 1.0  
X-MS-Exchange-CrossTenant-Network-Message-Id: 94abc114-a289-48c7-c834-08d7424f8f3e  
X-MS-Exchange-CrossTenant-originalarrivaltime: 26 Sep 2019 07:02:56.7581 (UTC)  
X-MS-Exchange-CrossTenant-fromentityheader: Hosted  
X-MS-Exchange-CrossTenant-id: d9bba7f2-9d82-4ebf-8cec-bcd827e07f80  
X-MS-Exchange-CrossTenant-mailboxtype: HOSTED  
X-MS-Exchange-CrossTenant-userprincipalname: IZKLc0eqZEi3loE5q4Qlyc8ItCoIwiNC3cXVPofwEJKv/ZKebhvp2mhDHIbFGvcAT6emeDEDmbrnW+Kxfh0dMyNkJeJMVUdSnpGDbAcnATk=  
X-MS-Exchange-Transport-CrossTenantHeadersStamped: CWLP265MB1585  
X-MC-Unique: 6E2lOK1lMZ6N-s0Vct6WwQ-1  
Authentication-Results: relay.mimecast.com; spf=pass (relay.mimecast.com: domain of projects@arcusconsulting.co.za designates 40.107.11.117 as permitted sender) smtp.mailfrom=projects@arcusconsulting.co.za  
X-Mimecast-Spam-Score: 2  
X-Mimecast-Impersonation-Protect: Policy=3 hits, no action with tagging, notifications issued;Similar Internal Domain=false;Similar Monitored External Domain=false;Custom External Domain=false;Mimecast External Domain=false;Newly Observed Domain=false;Internal User Name=false;Reply-to Address Mismatch=false;Targeted Threat Dictionary=false;Mimecast Threat Dictionary=false;Custom Threat Dictionary=false; Content-Type: multipart/mixed;  
boundary="\_007\_CWLP265MB1089872E0EE5B2AD7A19DD2A93860CWLP265MB1089GBRP\_"  
Return-Path: projects@arcusconsulting.co.za



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**Sophie Williams**

---

**From:** postmaster@daff.gov.za  
**To:** ThokoB@daff.gov.za  
**Sent:** 26 September 2019 10:04  
**Subject:** Undeliverable: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process

**Delivery has failed to these recipients or groups:**

[ThokoB@daff.gov.za](mailto:ThokoB@daff.gov.za)

The recipient's mailbox is full and can't accept messages now. Please try resending this message later, or contact the recipient directly.

The following organization rejected your message: ptaexcha2.nda.agric.za.

**Diagnostic information for administrators:**

Generating server: Ptaexcha4.nda.agric.za

ThokoB@daff.gov.za  
ptaexcha2.nda.agric.za  
Remote Server returned '554 5.2.2 mailbox full; STOREDRV.Deliver.Exception:QuotaExceededException.MapiExceptionShutoffQuotaExceeded; Failed to process message due to a permanent exception with message Cannot open mailbox /o=Departement van Landbou/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Configuration/cn=Servers/cn=PTAEXCHA2/cn=Microsoft System Attendant. 16.55847:7E000000, 17.43559:00000000580100000000000000000000000000000000, 20.52176:000FC185030000000000000000000, 20.50032:000FC18573171031000000000, 255.23226:000FC185, 255.27962:FE000000, 255.17082:DD040000, 0.26937:00000000, 4.21921:DD040000, 255.27962:FA000000, 255.1494:00000000, 0.50608:0F010480, 5.29818:0000000037366135336263312D353865312D346535392D613965652D61333038303132323139636600000078 0, 1.29920:03000000, 7.29828:11564913000000001A010480, 7.29832:00343313000000001A010480, 4.45884:DD040000, 4.29880:DD040000, 1.36108:03000000, 4.29888:DD040000, 1.56872:FE000000, 4.42712:DD040000, 5.10786:0000000031352E30302E313437332E3030333A7074616578636861320000244005000780, 255.1750:00000000, 0.26849:0A000000, 255.21817:DD040000, 0.26297:000FC185, 4.16585:DD040000, 0.32441:9E000000, 4.1706:DD040000, 0.24761:9E000000, 4.20665:DD040000, 0.25785:0A000000, 4.29881:DD040000 [Stage: CreateSession]'

**Original message headers:**

Received: from Ptaexcha4.nda.agric.za (2002:9bf0:9550::9bf0:9550) by Ptaexcha4.nda.agric.za (2002:9bf0:9550::9bf0:9550) with Microsoft SMTP Server (TLS) id 15.0.1473.3; Thu, 26 Sep 2019 09:03:41 +0200  
Received: from agrimx2.nda.agric.za (192.96.1.11) by Ptaexcha4.nda.agric.za (155.240.149.80) with Microsoft SMTP Server (TLS) id 15.0.1473.3 via Frontend Transport; Thu, 26 Sep 2019 09:03:41 +0200  
Received: from cluster-s.mailcontrol.com (unknown [196.216.238.190]) by Forcepoint Email with ESMTPS id A147961BA9EDB55AA9A2; Thu, 26 Sep 2019 09:23:59 +0200 (CAT)  
Received: from rly09s.srv.mailcontrol.com (localhost [127.0.0.1])

by rly09s.srv.mailcontrol.com (MailControl) with ESMTTP id x8Q7336g092733;  
Thu, 26 Sep 2019 08:03:03 +0100  
Received: from localhost.localdomain (localhost.localdomain [127.0.0.1])  
by rly09s.srv.mailcontrol.com (MailControl) id x8Q733Iv092714;  
Thu, 26 Sep 2019 08:03:03 +0100  
Received: from GBR01-CWL-obe.outbound.protection.outlook.com (mail-  
eopbgr110109.outbound.protection.outlook.com [40.107.11.109])  
by rly09s-eth0.srv.mailcontrol.com (envelope-sender  
<Projects@arcusconsulting.co.za>) (MIMEDefang) with ESMTTP id x8Q72w3U090757  
(TLS bits=256 verify=OK); Thu, 26 Sep 2019 08:03:03 +0100 (BST)  
ARC-Seal: i=1; a=rsa-sha256; s=arcselector9901; d=microsoft.com; cv=none;  
  
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ARC-Authentication-Results: i=1; mx.microsoft.com 1; spf=pass  
smtp.mailfrom=arcusconsulting.co.za; dmarc=pass action=none  
header.from=arcusconsulting.co.za; dkim=pass header.d=arcusconsulting.co.za;  
arc=none  
DKIM-Signature: v=1; a=rsa-sha256; c=relaxed/relaxed;  
d=arcusconsultingltd.onmicrosoft.com;  
s=selector1-arcusconsultingltd-onmicrosoft-com;  
h=From:Date:Subject:Message-ID:Content-Type:MIME-Version:X-MS-Exchange-SenderADCheck;  
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E=  
Received: from CWLP265MB1089.GBRP265.PROD.OUTLOOK.COM (20.176.34.145) by  
CWLP265MB1585.GBRP265.PROD.OUTLOOK.COM (20.176.33.19) with Microsoft SMTP  
Server (version=TLS1\_2, cipher=TLS\_ECDHE\_RSA\_WITH\_AES\_256\_GCM\_SHA384) id  
15.20.2305.17; Thu, 26 Sep 2019 07:02:56 +0000  
Received: from CWLP265MB1089.GBRP265.PROD.OUTLOOK.COM  
([fe80::40fd:9b6f:199e:8b76]) by CWLP265MB1089.GBRP265.PROD.OUTLOOK.COM  
([fe80::40fd:9b6f:199e:8b76%7]) with mapi id 15.20.2284.023; Thu, 26 Sep 2019  
07:02:56 +0000  
From: Projects <Projects@arcusconsulting.co.za>  
To: Projects <Projects@arcusconsulting.co.za>  
Subject: Notification of Availability of the San Kraal and Phezukomoya WEF  
Amendments and Basic Assessment Process  
Thread-Topic: Notification of Availability of the San Kraal and Phezukomoya  
WEF Amendments and Basic Assessment Process  
Thread-Index: Adv0NbEZpQG0eCA2T9yLh2S4L0hEZQ==  
Disposition-Notification-To: Projects <Projects@arcusconsulting.co.za>  
Return-Receipt-To: <Projects@arcusconsulting.co.za>  
Date: Thu, 26 Sep 2019 07:02:56 +0000  
Message-ID:  
<CWLP265MB1089872E0EE5B2AD7A19DD2A93860@CWLP265MB1089.GBRP265.PROD.OUTLOOK.COM>  
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Content-Language: en-US  
X-MS-Has-Attach: yes  
X-MS-TNEF-Correlator:  
authentication-results: spf=none (sender IP is )  
smtp.mailfrom=Projects@arcusconsulting.co.za;



x-ms-exchange-messagesentrepresentingtype: 1  
x-originating-ip: [196.22.229.227]  
x-ms-publictraffictype: Email  
x-ms-office365-filtering-correlation-id: 94abc114-a289-48c7-c834-08d7424f8f3e  
x-ms-trafficdiagnostic: CWLP265MB1585:  
x-ms-exchange-purlcount: 3  
x-ms-exchange-transport-forked: True  
x-microsoft-antispam-prvs:  
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x-forefront-prvs: 0172F0EF77  
x-forefront-antispam-report:  
SFV:NSPM;SFS:(10019020)(376002)(346002)(39840400004)(366004)(136003)(396003)(189003)(199004)(6116002)(33656002)(3846002)(7110500001)(861006)(81166006)(81156014)(10916006)(8676002)(6436002)(733005)(6306002)(54896002)(15650500001)(55016002)(2420400007)(236005)(80792005)(9686003)(6862004)(626008)(316002)(2906002)(25786009)(476003)(26005)(99936001)(14454004)(256004)(478600001)(88996005)(5024004)(14444005)(486006)(86362001)(99286004)(606006)(186003)(5660300002)(7696005)(71190400001)(71200400001)(6200100001)(74316002)(8936002)(7736002)(52536014)(66556008)(66576008)(66476007)(7276002)(7336002)(7366002)(7416002)(64756008)(66446008)(7406005)(66946007)(102836004)(66066001)(6506007);DIR:OUT;SFP:1102;SCL:1;SRVR: CWLP265MB1585;H: CWLP265MB1089.GBRP265.PROD.OUTLOOK.COM;FPR:;SPF:None;LANG:en;PTR:InfoNoRecords;MX:1;A:1;  
received-spf: None (protection.outlook.com: arcusconsulting.co.za does not designate permitted sender hosts)  
x-ms-exchange-senderadcheck: 1  
x-microsoft-antispam: BCL:0;  
x-microsoft-antispam-message-info:  
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Content-Type: multipart/mixed;  
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MIME-Version: 1.0  
X-MS-Exchange-CrossTenant-Network-Message-Id: 94abc114-a289-48c7-c834-08d7424f8f3e  
X-MS-Exchange-CrossTenant-originalarrivaltime: 26 Sep 2019 07:02:56.7581 (UTC)  
X-MS-Exchange-CrossTenant-fromentityheader: Hosted  
X-MS-Exchange-CrossTenant-id: d9bba7f2-9d82-4ebf-8cec-bcd827e07f80  
X-MS-Exchange-CrossTenant-mailboxtype: HOSTED  
X-MS-Exchange-CrossTenant-userprincipalname: IZKLc0eqZEi31oE5q4Qlyc8ItCoIwiNC3cXVPofwEJKv/ZKebhvp2mhDHIbFGvcAT6emeDEDMbrnW+Kxfh0dMyNkJJeJMVUdSnpGDbAcnATk=  
X-MS-Exchange-Transport-CrossTenantHeadersStamped: CWLP265MB1585  
X-HeloDomain: R0JSMDEtQldMLW9iZS5vdXRib3VuZC5wcm90ZWN0aW9uLm9ldGxvb2suY29t  
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X-MailControl-ReportSpam: https://www.mailcontrol.com/sr/Ecs5lPnEfG3GX2PQP0mvUskNvxilUarDbCnUd4Xl58bes0jOxcVYcm0MhUFgeTiLRKeHly\_B29iNc\_rJiVGaJg==  
X-Scanned-By: MailControl 44278.2075 (www.mailcontrol.com) on 10.83.1.119  
Return-Path: Projects@arcusconsulting.co.za

## Sophie Williams

---

**From:** Jacoline Mans <JacolineMa@daff.gov.za>  
**Sent:** 26 September 2019 10:04  
**To:** Projects  
**Subject:** Automatic reply: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process

Good Day

Thank you for your e-mail. Please note I am out of office for work purposes and unable to respond to your e-mail. I should be back in the office, Monday 30 September.

Regards, Jacoline Mans  
Cell 082 808 2737; 060 973 1660

## Sophie Williams

---

**From:** postmaster@nersa.org.za  
**To:** thembani.bukula@nersa.org.za  
**Sent:** 26 September 2019 10:02  
**Subject:** Undeliverable: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process

### Delivery has failed to these recipients or groups:

[thembani.bukula@nersa.org.za](mailto:thembani.bukula@nersa.org.za)

The e-mail address you entered couldn't be found. Please check the recipient's e-mail address and try to resend the message. If the problem continues, please contact your helpdesk.

### Diagnostic information for administrators:

Generating server: nersa.org.za

thembani.bukula@nersa.org.za  
#550 5.1.1 RESOLVER.ADR.RecipNotFound; not found ##rfc822;thembani.bukula@nersa.org.za

### Original message headers:

Received: from ES1000.nersa.org.za (10.1.1.71) by NERSASRVEXC01.nersa.local (10.1.1.28) with Microsoft SMTP Server id 14.2.247.3; Thu, 26 Sep 2019 09:02:19 +0200  
Received: from ES1000.nersa.org.za (localhost.localdomain [127.0.0.1]) by localhost (Email Security Appliance) with SMTP id 4893F66B2AB7\_D8C62AEB; Thu, 26 Sep 2019 07:03:10 +0000 (GMT)  
Received: from GBR01-CWL-obe.outbound.protection.outlook.com (mail-eopbgr110115.outbound.protection.outlook.com [40.107.11.115]) (using TLSv1.2 with cipher ECDHE-RSA-AES256-SHA384 (256/256 bits)) (Client CN "mail.protection.outlook.com", Issuer "GlobalSign Organization Validation CA - SHA256 - G3" (verified OK)) by ES1000.nersa.org.za (Sophos Email Appliance) with ESMTPS id A165B66AF9C9\_D8C62A7F; Thu, 26 Sep 2019 07:03:01 +0000 (GMT)  
ARC-Seal: i=1; a=rsa-sha256; s=arcselector9901; d=microsoft.com; cv=none;

b=QNN0FQfkzK6JYZE6YhFiBZkWGOS3sJUNdz5AA5qkVmYTBUDCl1HoDtRBJCunBklogR7Lt0SBdOP8ugSeGK7mawCFxH4sjCaVWoIAmkstjcvl2tGgtaCNXFmqBNh5D8AdfXrzYAJpEgt9cLl2lluL5VUzRp9O9JrHVZ9q2uju5gpeKscDiCbEHeOk1H9BCGt4S2PgEJPKHPj/N/rjtIFsHS9+ZF9AnKgaegfZe0Vvx+nLDjteaP+GcYgNT2Rbg9tD1SXoVRlG6PpAxldCCvcOufZe87YIcaMNCNwPAP73pvJkg/jUJBRo7ecZMsHvOTx8CL3jJLSAuG5RG9Mub9wfa==

ARC-Message-Signature: i=1; a=rsa-sha256; c=relaxed/relaxed; d=microsoft.com; s=arcselector9901;  
h=From:Date:Subject:Message-ID:Content-Type:MIME-Version:X-MS-Exchange-SenderADCheck;  
bh=RQMULxnIApFGuRacjlyH4EXY7ViwoJ+ZJjbIUlTp/sU=;

b=aTOszp2XZsmcw2xJsr3wuouR2pNYYZ2EzVcPf2FcmxOHme2ZbObDwD/UfVgaAzd+7i0SJ3Vlc5NYO0XobneLeJ8RvoFJReJJ9HT+mp2QBs7Fo99pi8MBFUyd6LlRXoaI8Ii+fmUKqRPiNn3eYzmKPJTHjV+hfGj6AqmJ5ij4o08WlZRL3zZth8fPlfjCeWeZXJ5MxLY+YlrBza+vOPFeQ5A8pmkQbZwQYoThbfCU01Yk4oMMwjYHaYzeFCFNOWGkW7Vq/UkX9hqWj1+Qxg3BcApfTsZZXNT3KUF5aUR+F1t7UGg+ZNRIrI+sUriwZzdLdavMuJHJV5KaCZS3/h8/NA==

ARC-Authentication-Results: i=1; mx.microsoft.com 1; spf=pass

smtp.mailfrom=arcusconsulting.co.za; dmarc=pass action=none  
header.from=arcusconsulting.co.za; dkim=pass header.d=arcusconsulting.co.za;  
arc=none  
DKIM-Signature: v=1; a=rsa-sha256; c=relaxed/relaxed;  
d=arcusconsultingltd.onmicrosoft.com;  
s=selector1-arcusconsultingltd-onmicrosoft-com;  
h=From:Date:Subject:Message-ID:Content-Type:MIME-Version:X-MS-Exchange-SenderADCheck;  
bh=RQMULxnIAPFGuRacjlyH4EXY7ViwoJ+ZJjbIUlTp/sU=;

b=mzcsYolXJj9dQPI/wZylCwNlGlySnlctot/Z+aiXrIEZwC3csFaKHF7sFkXjk3P7+ddqDesHMY0dpvgbDguY  
IsLVyCZ7okCfLYnyF0HPYCoYnEHY6jp+DqofxLkrAxhXFpw8h3rHgci/ct3NGElN/AvILpN/jbl/eWNDPzvVpA  
E=

Received: from CWLP265MB1089.GBRP265.PROD.OUTLOOK.COM (20.176.34.145) by  
CWLP265MB1585.GBRP265.PROD.OUTLOOK.COM (20.176.33.19) with Microsoft SMTP  
Server (version=TLS1\_2, cipher=TLS\_ECDHE\_RSA\_WITH\_AES\_256\_GCM\_SHA384) id  
15.20.2305.17; Thu, 26 Sep 2019 07:02:56 +0000  
Received: from CWLP265MB1089.GBRP265.PROD.OUTLOOK.COM  
([fe80::40fd:9b6f:199e:8b76]) by CWLP265MB1089.GBRP265.PROD.OUTLOOK.COM  
([fe80::40fd:9b6f:199e:8b76%7]) with mapi id 15.20.2284.023; Thu, 26 Sep 2019  
07:02:56 +0000  
From: Projects <Projects@arcusconsulting.co.za>  
To: Projects <Projects@arcusconsulting.co.za>  
Subject: Notification of Availability of the San Kraal and Phezukomoya WEF  
Amendments and Basic Assessment Process  
Thread-Topic: Notification of Availability of the San Kraal and Phezukomoya  
WEF Amendments and Basic Assessment Process  
Thread-Index: Adv0NbEZpQG0eCA2T9yLh2S4L0hEZQ==  
Disposition-Notification-To: Projects <Projects@arcusconsulting.co.za>  
Return-Receipt-To: <Projects@arcusconsulting.co.za>  
Date: Thu, 26 Sep 2019 07:02:56 +0000  
Message-ID:  
<CWLP265MB1089872E0EE5B2AD7A19DD2A93860@CWLP265MB1089.GBRP265.PROD.OUTLOOK.COM>  
Accept-Language: en-US  
Content-Language: en-US  
X-MS-Has-Attach: yes  
X-MS-TNEF-Correlator:  
authentication-results: spf=none (sender IP is )  
smtp.mailfrom=Projects@arcusconsulting.co.za;  
x-ms-exchange-messagesentrepresentingtype: 1  
x-originating-ip: [196.22.229.227]  
x-ms-publictraffictype: Email  
x-ms-office365-filtering-correlation-id: 94abc114-a289-48c7-c834-08d7424f8f3e  
x-ms-traffictypediagnostic: CWLP265MB1585:  
x-ms-exchange-purlcount: 3  
x-ms-exchange-transport-forked: True  
x-microsoft-antispam-prvs:  
<CWLP265MB1585DC63A3769CB68CC314D481860@CWLP265MB1585.GBRP265.PROD.OUTLOOK.COM>  
x-ms-oob-tlc-oobclassifiers: OLM:262;  
x-forefront-prvs: 0172F0EF77  
x-forefront-antispam-report:  
SFV:NSPM;SFS:(10019020)(376002)(346002)(39840400004)(366004)(136003)(396003)(189003)(1  
99004)(6116002)(33656002)(3846002)(7110500001)(861006)(81166006)(81156014)(10916006)(8  
676002)(6436002)(733005)(6306002)(54896002)(15650500001)(55016002)(2420400007)(236005)  
(80792005)(9686003)(6862004)(626008)(316002)(2906002)(25786009)(476003)(26005)(9993600  
1)(14454004)(256004)(478600001)(88996005)(5024004)(14444005)(486006)(86362001)(9928600  
4)(606006)(186003)(5660300002)(7696005)(71190400001)(71200400001)(6200100001)(74316002  
) (8936002)(7736002)(52536014)(66556008)(66576008)(66476007)(7276002)(7336002)(7366002)  
(7416002)(64756008)(66446008)(7406005)(66946007)(102836004)(66066001)(6506007);DIR:OUT  
;SFP:1102;SCL:1;SRVR: CWLP265MB1585;H: CWLP265MB1089.GBRP265.PROD.OUTLOOK.COM;FPR:;SPF:N  
one;LANG:en;PTR:InfoNoRecords;MX:1;A:1;  
received-spf: None (protection.outlook.com: arcusconsulting.co.za does not  
designate permitted sender hosts)  
x-ms-exchange-senderadcheck: 1  
x-microsoft-antispam: BCL:0;  
x-microsoft-antispam-message-info:  
wTAIj6fbWqeM/8pDxOj3mieHmdM4Ft7hzwWCdwVdxs5DLpCNh1JKAmY9m/JkOsGPmkLzxR7R6Rhq/39zaYYdG1

k0xcMviTB+EqOwBbfqUQCMVucSXiPkXY9rXE0i4CnctPqDsdvcaR5mYDdzpw3Iv/IspKC3uE42E/oOfyZ9BDLx  
QGejHCCyHlh11TC00JnmsOVXz1fXHowUWX9CeCEAN+kP38ckkbla9tXGtU+ETJngyGf1+Ke5ChITJ1/983tnRA  
vEbnbz6KDshRmiHtK/fmfMLg94RFFGye8kRlKiA3ZRDps/7VicXxiRkfreX3f2uhS6Dee+yB0gII/r51vTcfwf  
/Bw6p5DKkm8+K91nwRi8xe+bElXiPdTFMb9P1Ey9Z4JDCOk0mnKKzKPNyeRClPwUOovLQZo1opkglAVrvPnKL  
h55F2ZDRQNjmnWGSx39Y2v+RtjCKjXLzY7tp+U9Q==  
Content-Type: multipart/mixed;  
    boundary="\_007\_CWLP265MB1089872E0EE5B2AD7A19DD2A93860CWLP265MB1089GBRP\_"  
MIME-Version: 1.0  
X-OriginatorOrg: arcusconsulting.co.za  
X-MS-Exchange-CrossTenant-Network-Message-Id: 94abc114-a289-48c7-c834-08d7424f8f3e  
X-MS-Exchange-CrossTenant-originalarrivaltime: 26 Sep 2019 07:02:56.7581  
    (UTC)  
X-MS-Exchange-CrossTenant-fromentityheader: Hosted  
X-MS-Exchange-CrossTenant-id: d9bba7f2-9d82-4ebf-8cec-bcd827e07f80  
X-MS-Exchange-CrossTenant-mailboxtype: HOSTED  
X-MS-Exchange-CrossTenant-userprincipalname:  
IZKLC0eqZEi31oE5q4Qlyc8ItCoIwiNC3cXVPofwEJKv/ZKebhvp2mhDHIbFGvcAT6emeDEDMbrnW+Kxfh0dMy  
NkJeJMVUdSnpGDbAcnATk=  
X-MS-Exchange-Transport-CrossTenantHeadersStamped: CWLP265MB1585  
X-Sophos-SenderHistory:  
ip=40.107.11.115,fs=0,da=139136157,mc=1,sc=0,hc=1,sp=0,fso=24333852,re=250,sd=0,hd=0  
X-Sophos-ESA: [ES1000.nersa.org.za] 4.5.2.1, Antispam-Engine: 2019062400.03.04.002,  
Antispam-Data: 2019.9.26.64816  
X-SASI-RCODE: 200  
X-SEA-Spam: Gauge=XXXIIIIIII, Probability=36%, Report='  
FRAUD\_X3\_LARGE\_BODY -1, FRAUD\_IP\_ANY 2.5, FRAUD\_X3 1, FRAUD\_IP\_XOIP 0.5,  
RETURN\_RECEIPT 0.5, HTML\_70\_90 0.1, RCVD\_FROM\_IP\_DATE 0.1, FROM\_NAME\_ONE\_WORD 0.05,  
FROM\_SAME\_AS\_TO 0.05, SUPERLONG\_LINE 0.05, ARCAUTH\_PASSED 0, BODYTEXTX\_SIZE\_3000\_MORE  
0, BODYTEXTX\_SIZE\_3000\_LESS 0, BODY\_SIZE\_10000\_PLUS 0, DKIM\_SIGNATURE 0, DQ\_S\_H 0,  
FROM\_SAME\_AS\_TO\_DOMAIN 0, HREF\_LABEL\_TEXT\_ONLY 0, KNOWN\_MTA\_TFX 0, NO\_URI\_HTTPS 0,  
PDF\_ATTACHED 0, PDF\_ATTACHED\_1 0, SPF\_PASS 0, SXL\_IP\_TFX\_WM 0, TRANSACTIONAL 0,  
WEBMAIL\_SOURCE 0, WEBMAIL\_XOIP 0, WEBMAIL\_X\_IP\_HDR 0, \_\_ANY\_URI 0,  
\_\_ARCAUTH\_DKIM\_PASSED 0, \_\_ARCAUTH\_DMARC\_PASSED 0, \_\_ARCAUTH\_SPF\_PASSED 0,  
\_\_ATTACHMENT\_SIZE\_100K\_PLUS 0, \_\_BODY\_TEXT\_X4 0, \_\_BUSINESS\_SIGNATURE 0,  
\_\_CP\_URI\_IN\_BODY 0, \_\_CT 0, \_\_CTYPE\_HAS\_BOUNDARY 0, \_\_CTYPE\_MULTIPART 0,  
\_\_CTYPE\_MULTIPART\_MIXED 0, \_\_DQ\_IP\_FSO\_LARGE 0, \_\_DQ\_IP\_HIST 0, \_\_DQ\_NEG\_HEUR 0,  
\_\_DQ\_NEG\_IP 0, \_\_DQ\_S\_HIST\_1 0,  
\_\_DQ\_S\_IP\_100K 0, \_\_DQ\_S\_IP\_10K 0, \_\_DQ\_S\_IP\_1K 0, \_\_DQ\_S\_IP\_HD\_0 0, \_\_DQ\_S\_IP\_MC\_1  
0, \_\_FRAUD\_COMMON 0, \_\_FRAUD\_CONTACT\_NUM 0, \_\_FRAUD\_LOC 0, \_\_FRAUD\_SUBJ\_A 0,  
\_\_FROM\_DOMAIN\_IN\_ANY\_TO1 0, \_\_FUR\_RDNS\_OUTLOOK 0, \_\_HAS\_ATTACHMENT 0,  
\_\_HAS\_ATTACHMENT1 0, \_\_HAS\_ATTACHMENT2 0, \_\_HAS\_FROM 0, \_\_HAS\_HTML 0, \_\_HAS\_MSGID 0,  
\_\_HAS\_XOIP 0, \_\_HREF\_LABEL\_TEXT 0, \_\_HREF\_LABEL\_URI 0, \_\_HTML\_AHREF\_TAG 0,  
\_\_HTML\_BAD\_END 0, \_\_HTML\_TAG\_DIV 0, \_\_IMG\_ATTACHED 0, \_\_MIME\_HTML 0, \_\_MIME\_TEXT\_H 0,  
\_\_MIME\_TEXT\_H1 0, \_\_MIME\_TEXT\_H2 0, \_\_MIME\_TEXT\_P 0, \_\_MIME\_TEXT\_P1 0, \_\_MIME\_TEXT\_P2  
0, \_\_MIME\_VERSION 0, \_\_MULTIPLE\_URI\_TEXT 0, \_\_NOTIFICATION\_TO 0,  
\_\_PHISH\_SPEAR\_SUBJ\_ALERT 0, \_\_PNG\_WIDTH\_100 0, \_\_RDNS\_WEBMAIL 0, \_\_RETURN\_RECEIPT\_TO  
0, \_\_SANE\_MSGID 0, \_\_STYLE\_RATWARE\_NEG 0, \_\_STYLE\_TAG 0, \_\_SUBJ\_ALPHA\_END 0,  
\_\_SUBJ\_ALPHA\_NEGATE 0, \_\_TAG\_EXISTS\_HTML 0, \_\_TO\_DOMAIN\_IN\_FROM 0, \_\_TO\_MALFORMED\_2 0,  
\_\_TO\_NAME 0,  
\_\_TRANSACTIONAL 0, \_\_URI\_IN\_BODY 0, \_\_URI\_NOT\_IMG 0, \_\_URI\_NS , \_\_URI\_WITHOUT\_PATH 0,  
\_\_URI\_WITH\_PATH 0'  
Return-Path: Projects@arcusconsulting.co.za  
X-C2ProcessedOrg: 9953b9e9-bb95-4968-a215-adc7f2e61346

## Sophie Williams

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**From:** Mail Delivery Subsystem <MAILER-DAEMON@mail.ovk.co.za>  
**To:** perasmus@ovk.co.za  
**Sent:** 26 September 2019 10:07  
**Subject:** Delivered: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process

The original message was received at Thu, 26 Sep 2019 09:07:11 +0200  
from mail-eopbgr110095.outbound.protection.outlook.com [40.107.11.95]

----- The following addresses had successful delivery notifications -----  
<perasmus@ovk.co.za> (successfully delivered to mailbox)

----- Transcript of session follows -----



Notification of  
Availability o...

<perasmus@ovk.co.za>... Successfully delivered

## Sophie Williams

---

**From:** Inext Amphibic Mail System <InextAmphibicPostmaster@inext.co.za>  
**Sent:** 26 September 2019 10:03  
**To:** Projects  
**Subject:** Delivery notification (success)  
**Attachments:** ATT00001; Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process

The original message was received at Thu, 26 Sep 2019 09:03:16 +0200

Your message was successfully delivered to:  
<rtimothy@nbkb.org.za>

## Sophie Williams

---

**From:** Microsoft Outlook  
**To:** john.geeringh@eskom.co.za  
**Sent:** 26 September 2019 10:03  
**Subject:** Relayed: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process

**Delivery to these recipients or groups is complete, but no delivery notification was sent by the destination server:**

[john.geeringh@eskom.co.za](mailto:john.geeringh@eskom.co.za) ([john.geeringh@eskom.co.za](mailto:john.geeringh@eskom.co.za))

Subject: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process



Notification of  
Availability o...



## Sophie Williams

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**From:** postmaster@nersa.org.za  
**To:** Andile.Gxasheka@nersa.org.za  
**Sent:** 26 September 2019 10:02  
**Subject:** Delivered: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process

**Your message has been delivered to the following recipients:**

[Andile.Gxasheka@nersa.org.za](mailto:Andile.Gxasheka@nersa.org.za)

Subject: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process



Notification of  
Availability o...

## Sophie Williams

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**From:** Microsoft Outlook  
**To:** booking@thedon.co.za  
**Sent:** 26 September 2019 10:03  
**Subject:** Relayed: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process

**Delivery to these recipients or groups is complete, but no delivery notification was sent by the destination server:**

[booking@thedon.co.za](mailto:booking@thedon.co.za) ([booking@thedon.co.za](mailto:booking@thedon.co.za))

Subject: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process



Notification of  
Availability o...

## Sophie Williams

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**From:** Microsoft Outlook  
**To:** johan@sawea.org.za  
**Sent:** 26 September 2019 10:03  
**Subject:** Relayed: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process

**Delivery to these recipients or groups is complete, but no delivery notification was sent by the destination server:**

[johan@sawea.org.za](mailto:johan@sawea.org.za) (johan@sawea.org.za)

Subject: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process



Notification of  
Availability o...

## Sophie Williams

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**From:** Microsoft Outlook  
**To:** dmoleko@ncpg.gov.za; denc@ncpg.gov.za; vmothibi@ncpg.gov.za; gmothibi@ncpg.gov.za; fortunec@ncpg.gov.za; jpetersen@ncpg.gov.za; ncorns@ncpg.gov.za; noupoortlib@ncpg.gov.za  
**Sent:** 26 September 2019 10:03  
**Subject:** Relayed: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process

**Delivery to these recipients or groups is complete, but no delivery notification was sent by the destination server:**

[dmoleko@ncpg.gov.za](mailto:dmoleko@ncpg.gov.za) (dmoleko@ncpg.gov.za)

[denc@ncpg.gov.za](mailto:denc@ncpg.gov.za) (denc@ncpg.gov.za)

[vmothibi@ncpg.gov.za](mailto:vmothibi@ncpg.gov.za) (vmothibi@ncpg.gov.za)

[gmothibi@ncpg.gov.za](mailto:gmothibi@ncpg.gov.za) (gmothibi@ncpg.gov.za)

[fortunec@ncpg.gov.za](mailto:fortunec@ncpg.gov.za) (fortunec@ncpg.gov.za)

[jpetersen@ncpg.gov.za](mailto:jpetersen@ncpg.gov.za) (jpetersen@ncpg.gov.za)

[ncorns@ncpg.gov.za](mailto:ncorns@ncpg.gov.za) (ncorns@ncpg.gov.za)

[noupoortlib@ncpg.gov.za](mailto:noupoortlib@ncpg.gov.za) (noupoortlib@ncpg.gov.za)

Subject: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process



Notification of  
Availability o...

## Sophie Williams

---

**From:** Microsoft Outlook  
**To:** ClaireT@L2B.co.za  
**Sent:** 26 September 2019 10:03  
**Subject:** Undeliverable: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process



Your message to [ClaireT@L2B.co.za](mailto:ClaireT@L2B.co.za) couldn't be delivered.

**ClaireT** wasn't found at [l2b.co.za](http://l2b.co.za).

Projects	Office 365	ClaireT
<b>Action Required</b>		Recipient
Unknown To address		

### How to Fix It

The address may be misspelled or may not exist. Try one or more of the following:

- Send the message again following these steps: In Outlook, open this non-delivery report (NDR) and choose **Send Again** from the Report ribbon. In Outlook on the web, select this NDR, then select the link "**To send this message again, click here.**" Then delete and retype the entire recipient address. If prompted with an Auto-Complete List suggestion don't select it. After typing the complete address, click **Send**.
- Contact the recipient (by phone, for example) to check that the address exists and is correct.
- The recipient may have set up email forwarding to an incorrect address. Ask them to check that any forwarding they've set up is working correctly.
- Clear the recipient Auto-Complete List in Outlook or Outlook on the web by following the steps in this article: [Fix email delivery issues for error code 5.1.1 in Office 365](#), and then send the message again. Retype the entire recipient address before selecting **Send**.

If the problem continues, forward this message to your email admin. If you're an email admin, refer to the **More Info for Email Admins** section below.

Was this helpful? [Send feedback to Microsoft](#).

## More Info for Email Admins

Status code: 550 5.1.1

This error occurs because the sender sent a message to an email address outside of Office 365, but the address is incorrect or doesn't exist at the destination domain. The error is reported by the recipient domain's email server, but most often it must be fixed by the person who sent the message. If the steps in the **How to Fix It** section above don't fix the problem, and you're the email admin for the recipient, try one or more of the following:

**The email address exists and is correct** - Confirm that the recipient address exists, is correct, and is accepting messages.

**Synchronize your directories** - If you have a hybrid environment and are using directory synchronization make sure the recipient's email address is synced correctly in both Office 365 and in your on-premises directory.

**Errant forwarding rule** - Check for forwarding rules that aren't behaving as expected. Forwarding can be set up by an admin via mail flow rules or mailbox forwarding address settings, or by the recipient via the Inbox Rules feature.

**Mail flow settings and MX records are not correct** - Misconfigured mail flow or MX record settings can cause this error. Check your Office 365 mail flow settings to make sure your domain and any mail flow connectors are set up correctly. Also, work with your domain registrar to make sure the MX records for your domain are configured correctly.

For more information and additional tips to fix this issue, see [Fix email delivery issues for error code 550 5.1.1 in Office 365](#).

### Original Message Details

Created Date: 9/26/2019 7:02:56 AM  
Sender Address: Projects@arcusconsulting.co.za  
Recipient Address: ClaireT@L2B.co.za  
Subject: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process

### Error Details

Reported error: 550 5.1.1 Recipient unknown <ClaireT@L2B.co.za>  
DSN generated by: CWLP265MB1585.GBRP265.PROD.OUTLOOK.COM  
Remote server: mail.l2b.co.za

### Message Hops

HOP	TIME (UTC)	FROM	TO	WITH
1	9/26/2019 7:02:56 AM	CWLP265MB1089.GBRP265.PROD.OUTLOOK.COM	CWLP265MB1089.GBRP265.PROD.OUTLOOK.COM	mapi
2	9/26/2019 7:02:56 AM	CWLP265MB1089.GBRP265.PROD.OUTLOOK.COM	CWLP265MB1585.GBRP265.PROD.OUTLOOK.COM	Microsoft cipher=TL

## Original Message Headers

ARC-Seal: i=1; a=rsa-sha256; s=arcselector9901; d=microsoft.com; cv=none;

b=QNN0FQfkzK6JYZE6YhFiBZkWGOS3sJUNdz5AA5qKvMYTBUDcliHoDtRBJCunBklogR7Lt0SBdOP8ugSeGK7  
mawCFxH4sJCaVWoIAmkstjcvl2tGgtaCNXFmqBNh5D8AdfXrzYAJpEgt9cLl2llluL5VUzRp9O9JrHVZ9q2uju5  
gpeKscDiCbEHeOk1H9BCGt4S2PgEJPKHPj/N/rjtIFsHS9+ZF9AnKgaegfZe0Vvx+nLDjteaP+GcYgNT2Rbg9t  
D1SXoVRLG6PpAxldCCvcOufZe87YIcaMnCNwPAP73pvJkg/jUJBRo7ecZMsHvOTx8CL3jJLSAuG5RG9Mub9wFA  
==

ARC-Message-Signature: i=1; a=rsa-sha256; c=relaxed/relaxed; d=microsoft.com;  
s=arcselector9901;

h=From:Date:Subject:Message-ID:Content-Type:MIME-Version:X-MS-Exchange-SenderADCheck;  
bh=RQMULxnIApFGuRacjlyH4EXY7ViwoJ+ZJjbIUlTp/sU=;

b=aTOszp2XZsmcw2xJsr3wuouR2pNYYZ2EzVcPf2FcmxOHme2ZbObDwD/UfVgaAzd+7i0SJ3Vlc5NYO0XobneL  
eJ8RvoFJReJJ9HT+mp2QBs7Fo99pi8MBFUyd6LlRXoaI8Ii+fmUKqRPiNn3eYzmKPJTHjV+hfGj6AqmJ5ij4o0  
8WlZRL3zZth8fPLfjCeWeZXJ5MxLY+YlrBza+vOPFeQ5A8pmkQbZwQYoThbfcU01Yk4oMMwjYHaYzeFCFNOWGk  
W7Vq/UkX9hqWJ1+Qxg3BcApfTsZZXNT3KUF5aUR+Flt7UGg+ZNRIrI+sUriwZzdLdavMuJHJV5KaCZS3/h8/NA  
==

ARC-Authentication-Results: i=1; mx.microsoft.com 1; spf=pass

smtp.mailfrom=arcusconsulting.co.za; dmarc=pass action=none  
header.from=arcusconsulting.co.za; dkim=pass header.d=arcusconsulting.co.za;  
arc=none

DKIM-Signature: v=1; a=rsa-sha256; c=relaxed/relaxed;

d=arcusconsultingltd.onmicrosoft.com;  
s=selector1-arcusconsultingltd-onmicrosoft-com;  
h=From:Date:Subject:Message-ID:Content-Type:MIME-Version:X-MS-Exchange-SenderADCheck;  
bh=RQMULxnIApFGuRacjlyH4EXY7ViwoJ+ZJjbIUlTp/sU=;

b=mzcsYolXJj9dQPI/wZylCwNlGlySnlctot/Z+aiXrIEZwC3csFaKHF7sFkXjk3P7+ddqDesHMY0dpvgbDguY  
IsLVyCZ7okCfLYnyF0HPYCoYnEHY6jp+DqofxlkrAxhXFpw8h3rHgci/ct3NGEln/AvILpN/jbl/eWNDPzvVpA  
E=

Received: from CWLP265MB1089.GBRP265.PROD.OUTLOOK.COM (20.176.34.145) by  
CWLP265MB1585.GBRP265.PROD.OUTLOOK.COM (20.176.33.19) with Microsoft SMTP  
Server (version=TLS1\_2, cipher=TLS\_ECDHE\_RSA\_WITH\_AES\_256\_GCM\_SHA384) id  
15.20.2305.17; Thu, 26 Sep 2019 07:02:56 +0000

Received: from CWLP265MB1089.GBRP265.PROD.OUTLOOK.COM  
([fe80::40fd:9b6f:199e:8b76]) by CWLP265MB1089.GBRP265.PROD.OUTLOOK.COM  
([fe80::40fd:9b6f:199e:8b76%7]) with mapi id 15.20.2284.023; Thu, 26 Sep 2019  
07:02:56 +0000

From: Projects <Projects@arcusconsulting.co.za>

To: Projects <Projects@arcusconsulting.co.za>

Subject: Notification of Availability of the San Kraal and Phezukomoya WEF  
Amendments and Basic Assessment Process

Thread-Topic: Notification of Availability of the San Kraal and Phezukomoya  
WEF Amendments and Basic Assessment Process

Thread-Index: Adv0NbEZpQG0eCA2T9yLh2S4L0hEZQ==

Disposition-Notification-To: Projects <Projects@arcusconsulting.co.za>

Return-Receipt-To: <Projects@arcusconsulting.co.za>

Date: Thu, 26 Sep 2019 07:02:56 +0000

Message-ID:

<CWLP265MB1089872E0EE5B2AD7A19DD2A93860@CWLP265MB1089.GBRP265.PROD.OUTLOOK.COM>

Accept-Language: en-US

Content-Language: en-US

X-MS-Has-Attach: yes  
X-MS-TNEF-Correlator:  
authentication-results: spf=none (sender IP is )  
smtp.mailfrom=Projects@arcusconsulting.co.za;  
x-ms-exchange-messagesentrepresentingtype: 1  
x-originating-ip: [196.22.229.227]  
x-ms-publictraffictype: Email  
x-ms-office365-filtering-correlation-id: 94abc114-a289-48c7-c834-08d7424f8f3e  
x-ms-trafficdiagnostic: CWLP265MB1585:  
x-ms-exchange-purlcount: 3  
x-ms-exchange-transport-forked: True  
x-microsoft-antispam-prvs:  
<CWLP265MB1585DC63A3769CB68CC314D481860@CWLP265MB1585.GBRP265.PROD.OUTLOOK.COM>  
x-ms-oob-tlc-oobclassifiers: OLM:262;  
x-forefront-prvs: 0172F0EF77  
x-forefront-antispam-report:  
SFV:NSPM;SFS:(10019020)(376002)(346002)(39840400004)(366004)(136003)(396003)(189003)(199004)(6116002)(33656002)(3846002)(7110500001)(861006)(81166006)(81156014)(10916006)(8676002)(6436002)(733005)(6306002)(54896002)(15650500001)(55016002)(2420400007)(236005)(80792005)(9686003)(6862004)(626008)(316002)(2906002)(25786009)(476003)(26005)(99936001)(14454004)(256004)(478600001)(88996005)(5024004)(14444005)(486006)(86362001)(99286004)(606006)(186003)(5660300002)(7696005)(71190400001)(71200400001)(6200100001)(74316002)(8936002)(7736002)(52536014)(66556008)(66576008)(66476007)(7276002)(7336002)(7366002)(7416002)(64756008)(66446008)(7406005)(66946007)(102836004)(66066001)(6506007);DIR:OUT;SFP:1102;SCL:1;SRVR: CWLP265MB1585;H: CWLP265MB1089.GBRP265.PROD.OUTLOOK.COM;FPR:;SPF:None;LANG:en;PTR:InfoNoRecords;MX:1;A:1;  
received-spf: None (protection.outlook.com: arcusconsulting.co.za does not designate permitted sender hosts)  
x-ms-exchange-senderadcheck: 1  
x-microsoft-antispam: BCL:0;  
x-microsoft-antispam-message-info:  
wTAIj6fbWqeM/8pDxOj3mieHmdM4Ft7hzwWCdwVdxx5DLpCNhlJKAmY9m/JkOsGPmkLzxR7R6Rhg/39zaYYdG1k0xcMviTB+EqOwBbfqUQCMVucSXiPkXY9rXE0i4CnctPqDsdvcaR5mYDdzpw3Iv/IspKC3uE42E/oOfyZ9BDLxQGejHCCyHlh11TC00JnmsOVXz1fXHowUWX9CeCEAN+kP38ckkbla9tXGtU+ETJngyGf1+Ke5ChITJ1/983tnRAvEbnbz6KDshRmiHtK/fmfMLg94RFFGye8kRlKiA3ZRDps/7VicXxiRkfreX3f2uhS6Dee+yB0gII/r51vTcfwf/Bw6p5DKkm8+K91nwRi8xe+bElXiPdTFMb9P1Ey9Z4JDCOk0mnKKzKPNyeRClPwU0ovLQZo1opkglAVrvPnKLh55F2ZDRQNjmnWGSx39Y2v+RtjCKjXLzY7tp+U9Q==  
Content-Type: multipart/mixed;  
boundary="\_007\_CWLP265MB1089872E0EE5B2AD7A19DD2A93860CWLP265MB1089GBRP\_"  
MIME-Version: 1.0  
X-OriginatorOrg: arcusconsulting.co.za  
X-MS-Exchange-CrossTenant-Network-Message-Id: 94abc114-a289-48c7-c834-08d7424f8f3e  
X-MS-Exchange-CrossTenant-originalarrivaltime: 26 Sep 2019 07:02:56.7581  
(UTC)  
X-MS-Exchange-CrossTenant-fromentityheader: Hosted  
X-MS-Exchange-CrossTenant-id: d9bba7f2-9d82-4ebf-8cec-bcd827e07f80  
X-MS-Exchange-CrossTenant-mailboxtype: HOSTED  
X-MS-Exchange-CrossTenant-userprincipalname:  
IZKLc0eqZEi31oE5q4Qlyc8ItCoIwiNC3cXVPofwEJKv/ZKebhvp2mhDHIbFGvcAT6emeDEDMbrnW+Kxfh0dMyNkJJeJMVUdSnpGDbAcnATk=  
X-MS-Exchange-Transport-CrossTenantHeadersStamped: CWLP265MB1585



## Sophie Williams

---

**From:** postmaster@ecpta.onmicrosoft.com  
**To:** info@ecpta.co.za  
**Sent:** 26 September 2019 10:03  
**Subject:** Relayed: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process

**Delivery to these recipients or groups is complete, but no delivery notification was sent by the destination server:**

[info@ecpta.co.za](mailto:info@ecpta.co.za)

Subject: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process



Notification of  
Availability o...

## Sophie Williams

---

**From:** Microsoft Outlook  
**To:** paardevlei@adsactive.com  
**Sent:** 26 September 2019 10:03  
**Subject:** Relayed: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process

**Delivery to these recipients or groups is complete, but no delivery notification was sent by the destination server:**

[paardevelei@adsactive.com](mailto:paardevelei@adsactive.com) (paardevelei@adsactive.com)

Subject: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process



Notification of  
Availability o...

## Sophie Williams

---

**From:** Microsoft Outlook  
**To:** transkaroo@eik.co.za; jdv@eik.co.za  
**Sent:** 26 September 2019 10:03  
**Subject:** Relayed: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process

**Delivery to these recipients or groups is complete, but no delivery notification was sent by the destination server:**

[transkaroo@eik.co.za](mailto:transkaroo@eik.co.za) ([transkaroo@eik.co.za](mailto:transkaroo@eik.co.za))

[jdv@eik.co.za](mailto:jdv@eik.co.za) ([jdv@eik.co.za](mailto:jdv@eik.co.za))

Subject: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process



Notification of  
Availability o...

## Sophie Williams

---

**From:** Microsoft Outlook  
**To:** office@sessa.org.za  
**Sent:** 26 September 2019 10:03  
**Subject:** Relayed: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process

**Delivery to these recipients or groups is complete, but no delivery notification was sent by the destination server:**

[office@sessa.org.za](mailto:office@sessa.org.za) ([office@sessa.org.za](mailto:office@sessa.org.za))

Subject: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process



Notification of  
Availability o...

## Sophie Williams

---

**From:** Microsoft Outlook  
**To:** attsec@mindek.co.za  
**Sent:** 26 September 2019 10:03  
**Subject:** Relayed: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process

**Delivery to these recipients or groups is complete, but no delivery notification was sent by the destination server:**

[attsec@mindek.co.za](mailto:attsec@mindek.co.za) ([attsec@mindek.co.za](mailto:attsec@mindek.co.za))

Subject: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process



Notification of  
Availability o...

## Sophie Williams

---

**From:** postmaster@triotrust.co.za  
**To:** hennie@triotrust.co.za  
**Sent:** 26 September 2019 10:03  
**Subject:** Delivered: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process

### Your message has been delivered to the following recipients:

[hennie@triotrust.co.za](mailto:hennie@triotrust.co.za)

Subject: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process

Postmaster and Abuse Reporting  
E-mail: postmaster@triotrust.co.za  
Tel:

### Disclaimer

The provisions of Section 11 of the Electronic Communications and Transactions Act 25 of 2002 apply to this email notice and make it enforceable and binding on the recipient/addressee. This email message (including attachments) contains information which may be confidential and/or legally privileged. Unless you are the intended recipient, you may not use, copy or disclose to anyone the message or any information contained in the message or from any attachments that were sent with this email, and If you have received this email message in error, please advise the sender by email, and delete the message. Unauthorised disclosure and/or use of information contained in this email may result in civil and criminal liability. The e-mail address of the sender may not be used, copied, sold, disclosed or incorporated into any database or mailing list for spamming and/or other marketing purposes without prior consent. The sender of the e-mail, shall not be liable to any party for any direct, indirect or consequential damages, including, without limitation, loss of profit, interruption of business or loss of information, data or software or otherwise



Notification of  
Availability o...

## Sophie Williams

---

**From:** Microsoft Outlook  
**To:** kate@iws-sa.co.za  
**Sent:** 26 September 2019 10:03  
**Subject:** Relayed: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process

**Delivery to these recipients or groups is complete, but no delivery notification was sent by the destination server:**

[kate@iws-sa.co.za](mailto:kate@iws-sa.co.za) ([kate@iws-sa.co.za](mailto:kate@iws-sa.co.za))

Subject: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process



Notification of  
Availability o...

## Sophie Williams

---

**From:** Microsoft Outlook  
**To:** pixley@telkomsa.net  
**Sent:** 26 September 2019 10:03  
**Subject:** Relayed: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process

**Delivery to these recipients or groups is complete, but no delivery notification was sent by the destination server:**

[pixley@telkomsa.net](mailto:pixley@telkomsa.net) ([pixley@telkomsa.net](mailto:pixley@telkomsa.net))

Subject: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process



Notification of  
Availability o...



## Sophie Williams

---

**From:** Mail Delivery System <MAILER-DAEMON@mailgate.sao.ac.za>  
**To:** williams@sao.ac.za  
**Sent:** 26 September 2019 10:03  
**Subject:** Relayed: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process

This is the mail system at host mailgate.sao.ac.za.

Your message was successfully delivered to the destination(s) listed below. If the message was delivered to mailbox you will receive no further notifications. Otherwise you may still receive notifications of mail delivery errors from other systems.

The mail system

<williams@sao.ac.za>: delivery via mailgate.sao.ac.za[/tmp/dspam.sock]: 250



Message | Headers

2.6.0 <williams@sao.ac.za> Message accepted for delivery

## Sophie Williams

---

**From:** Microsoft Outlook  
**To:** Mdakanep@dwa.gov.za; MakhanyaP@dwa.gov.za  
**Sent:** 26 September 2019 10:03  
**Subject:** Relayed: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process

**Delivery to these recipients or groups is complete, but no delivery notification was sent by the destination server:**

[Mdakanep@dwa.gov.za](mailto:Mdakanep@dwa.gov.za) (Mdakanep@dwa.gov.za)

[MakhanyaP@dwa.gov.za](mailto:MakhanyaP@dwa.gov.za) (MakhanyaP@dwa.gov.za)

Subject: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process



Notification of  
Availability o...

## Sophie Williams

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**From:** Microsoft Outlook  
**To:** enquiry@arc.agric.za  
**Sent:** 26 September 2019 10:03  
**Subject:** Relayed: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process

**Delivery to these recipients or groups is complete, but no delivery notification was sent by the destination server:**

[enquiry@arc.agric.za](mailto:enquiry@arc.agric.za) ([enquiry@arc.agric.za](mailto:enquiry@arc.agric.za))

Subject: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process



Notification of  
Availability o...

## Sophie Williams

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**From:** Mail Delivery System <MAILER-DAEMON@mail.snowisp.com>  
**To:** sdippenaar@snowisp.com  
**Sent:** 26 September 2019 10:03  
**Subject:** Expanded: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process

This is the mail system at host mail.snowisp.com.

Your message was successfully delivered to the destination(s) listed below. If the message was delivered to mailbox you will receive no further notifications. Otherwise you may still receive notifications of mail delivery errors from other systems.

The mail system



Message Headers

<sdippenaar@snowisp.com>: alias expanded

## Sophie Williams

---

**From:** postmaster@agrisa.co.za  
**To:** thea@agrisa.co.za  
**Sent:** 26 September 2019 10:03  
**Subject:** Delivered: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process

**Your message has been delivered to the following recipients:**

[thea@agrisa.co.za](mailto:thea@agrisa.co.za)

Subject: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process



Notification of  
Availability o...

## Sophie Williams

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**From:** Microsoft Outlook  
**To:** bhelinda.mtamo@dedea.gov.za; nondwe.mdekazi@dedea.gov.za; gerry.pienaar@dedea.gov.za; fezeka.boyi@dedea.gov.za  
**Sent:** 26 September 2019 10:03  
**Subject:** Relayed: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process

**Delivery to these recipients or groups is complete, but no delivery notification was sent by the destination server:**

[bhelinda.mtamo@dedea.gov.za](mailto:bhelinda.mtamo@dedea.gov.za) (bhelinda.mtamo@dedea.gov.za)

[nondwe.mdekazi@dedea.gov.za](mailto:nondwe.mdekazi@dedea.gov.za) (nondwe.mdekazi@dedea.gov.za)

[gerry.pienaar@dedea.gov.za](mailto:gerry.pienaar@dedea.gov.za) (gerry.pienaar@dedea.gov.za)

[fezeka.boyi@dedea.gov.za](mailto:fezeka.boyi@dedea.gov.za) (fezeka.boyi@dedea.gov.za)

Subject: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process



Notification of  
Availability o...

## Sophie Williams

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**From:** Mail Delivery System <MAILER-DAEMON@mailgate.sao.ac.za>  
**To:** salt@salt.ac.za  
**Sent:** 26 September 2019 10:03  
**Subject:** Relayed: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process

This is the mail system at host mailgate.sao.ac.za.

Your message was successfully delivered to the destination(s) listed below. If the message was delivered to mailbox you will receive no further notifications. Otherwise you may still receive notifications of mail delivery errors from other systems.

The mail system

<salt@salt.ac.za>: delivery via mailgate.sao.ac.za[/tmp/dspam.sock]: 250 2.6.0



Message | leaders

<salt@salt.ac.za> Message accepted for delivery

## Sophie Williams

---

**From:** Microsoft Outlook  
**To:** info@dot.gov.za; selepeg@dot.gov.za  
**Sent:** 26 September 2019 10:03  
**Subject:** Relayed: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process

**Delivery to these recipients or groups is complete, but no delivery notification was sent by the destination server:**

[info@dot.gov.za \(info@dot.gov.za\)](mailto:info@dot.gov.za)

[selepeg@dot.gov.za \(selepeg@dot.gov.za\)](mailto:selepeg@dot.gov.za)

Subject: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process



Notification of  
Availability o...



## Sophie Williams

---

**From:** Microsoft Outlook  
**To:** cira.ngetu@deaet.ecape.gov.za; mncedisi.makosonke@deaet.ecape.gov.za  
**Sent:** 26 September 2019 10:03  
**Subject:** Relayed: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process

**Delivery to these recipients or groups is complete, but no delivery notification was sent by the destination server:**

[cira.ngetu@deaet.ecape.gov.za](mailto:cira.ngetu@deaet.ecape.gov.za) ([cira.ngetu@deaet.ecape.gov.za](mailto:cira.ngetu@deaet.ecape.gov.za))

[mncedisi.makosonke@deaet.ecape.gov.za](mailto:mncedisi.makosonke@deaet.ecape.gov.za) ([mncedisi.makosonke@deaet.ecape.gov.za](mailto:mncedisi.makosonke@deaet.ecape.gov.za))

Subject: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process



Notification of  
Availability o...

## Sophie Williams

---

**From:** Microsoft Outlook  
**To:** dionne@umsobomvumun.co.za; ncedo@umsobomvumun.co.za;  
mosomphat@umsobomvumun.co.za; simphiwe@umsobomvumun.co.za;  
wminnie@umsobomvumun.co.za; mpela@umsobomvumun.co.za;  
birtus@umsobomvumun.co.za; sbrown@umsobomvumun.co.za;  
mstetile@umsobomvumun.co.za  
**Sent:** 26 September 2019 10:03  
**Subject:** Relayed: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process

**Delivery to these recipients or groups is complete, but no delivery notification was sent by the destination server:**

[dionne@umsobomvumun.co.za](mailto:dionne@umsobomvumun.co.za) (dionne@umsobomvumun.co.za)

[ncedo@umsobomvumun.co.za](mailto:ncedo@umsobomvumun.co.za) (ncedo@umsobomvumun.co.za)

[mosomphat@umsobomvumun.co.za](mailto:mosomphat@umsobomvumun.co.za) (mosomphat@umsobomvumun.co.za)

[simphiwe@umsobomvumun.co.za](mailto:simphiwe@umsobomvumun.co.za) (simphiwe@umsobomvumun.co.za)

[wminnie@umsobomvumun.co.za](mailto:wminnie@umsobomvumun.co.za) (wminnie@umsobomvumun.co.za)

[mpela@umsobomvumun.co.za](mailto:mpela@umsobomvumun.co.za) (mpela@umsobomvumun.co.za)

[birtus@umsobomvumun.co.za](mailto:birtus@umsobomvumun.co.za) (birtus@umsobomvumun.co.za)

[sbrown@umsobomvumun.co.za](mailto:sbrown@umsobomvumun.co.za) (sbrown@umsobomvumun.co.za)

[mstetile@umsobomvumun.co.za](mailto:mstetile@umsobomvumun.co.za) (mstetile@umsobomvumun.co.za)

Subject: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process



Notification of  
Availability o...

## Sophie Williams

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**From:** postmaster@wessa.co.za  
**To:** jnbadmin@wessa.co.za  
**Sent:** 26 September 2019 10:03  
**Subject:** Delivered: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process

**Your message has been delivered to the following recipients:**

[jnbadmin@wessa.co.za](mailto:jnbadmin@wessa.co.za)

Subject: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process



Notification of  
Availability o...

## Sophie Williams

---

**From:** Microsoft Outlook  
**To:** thandeka.nohoyeka@transnet.net; eddie.seaton@transnet.net; williezietsman@transnet.net; willie.ziedsman@transnet.net  
**Sent:** 26 September 2019 10:03  
**Subject:** Relayed: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process

**Delivery to these recipients or groups is complete, but no delivery notification was sent by the destination server:**

[thandeka.nohoyeka@transnet.net](mailto:thandeka.nohoyeka@transnet.net) (thandeka.nohoyeka@transnet.net)

[eddie.seaton@transnet.net](mailto:eddie.seaton@transnet.net) (eddie.seaton@transnet.net)

[williezietsman@transnet.net](mailto:williezietsman@transnet.net) (williezietsman@transnet.net)

[willie.ziedsman@transnet.net](mailto:willie.ziedsman@transnet.net) (willie.ziedsman@transnet.net)

Subject: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process



Notification of  
Availability o...

## Sophie Williams

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**From:** Microsoft Outlook  
**To:** Dekockr@nra.co.za; Abrahamsn@nra.co.za; Kleinhansm@nra.co.za; runkelc@nra.co.za  
**Sent:** 26 September 2019 10:03  
**Subject:** Relayed: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process

**Delivery to these recipients or groups is complete, but no delivery notification was sent by the destination server:**

[Dekockr@nra.co.za](mailto:Dekockr@nra.co.za) (Dekockr@nra.co.za)

[Abrahamsn@nra.co.za](mailto:Abrahamsn@nra.co.za) (Abrahamsn@nra.co.za)

[Kleinhansm@nra.co.za](mailto:Kleinhansm@nra.co.za) (Kleinhansm@nra.co.za)

[runkelc@nra.co.za](mailto:runkelc@nra.co.za) (runkelc@nra.co.za)

Subject: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process



Notification of  
Availability o...

## Sophie Williams

---

**From:** Microsoft Outlook  
**To:** Zukiswa.Ngwane@dpw.ecape.gov.za  
**Sent:** 26 September 2019 10:03  
**Subject:** Relayed: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process

**Delivery to these recipients or groups is complete, but no delivery notification was sent by the destination server:**

[Zukiswa.Ngwane@dpw.ecape.gov.za](mailto:Zukiswa.Ngwane@dpw.ecape.gov.za) (Zukiswa.Ngwane@dpw.ecape.gov.za)

Subject: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process



Notification of  
Availability o...

## Sophie Williams

---

**From:** Microsoft Outlook  
**To:** mzwandile@iym.gov.za  
**Sent:** 26 September 2019 10:03  
**Subject:** Relayed: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process

**Delivery to these recipients or groups is complete, but no delivery notification was sent by the destination server:**

[mzwandile@iym.gov.za](mailto:mzwandile@iym.gov.za) (mzwandile@iym.gov.za)

Subject: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process



Notification of  
Availability o...

## Sophie Williams

---

**From:** Microsoft Outlook  
**To:** mariusn@gcis.gov.za; ndlelantle@gcis.gov.za  
**Sent:** 26 September 2019 10:03  
**Subject:** Relayed: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process

**Delivery to these recipients or groups is complete, but no delivery notification was sent by the destination server:**

[mariusn@gcis.gov.za \(mariusn@gcis.gov.za\)](mailto:mariusn@gcis.gov.za)

[ndlelantle@gcis.gov.za \(ndlelantle@gcis.gov.za\)](mailto:ndlelantle@gcis.gov.za)

Subject: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process



Notification of  
Availability o...



## Sophie Williams

---

**From:** Microsoft Outlook  
**To:** ZINTLEH@ecdhs.gov.za  
**Sent:** 26 September 2019 10:03  
**Subject:** Relayed: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process

**Delivery to these recipients or groups is complete, but no delivery notification was sent by the destination server:**

[ZINTLEH@ecdhs.gov.za](mailto:ZINTLEH@ecdhs.gov.za) (ZINTLEH@ecdhs.gov.za)

Subject: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process



Notification of  
Availability o...

## Sophie Williams

---

**From:** Microsoft Outlook  
**To:** tvandermerwe@environment.gov.za; Smambane@environment.gov.za;  
wmandivenyi@environment.gov.za; smalete@environment.gov.za;  
smunzhedzi@environment.gov.za  
**Sent:** 26 September 2019 10:03  
**Subject:** Relayed: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process

**Delivery to these recipients or groups is complete, but no delivery notification was sent by the destination server:**

[tvandermerwe@environment.gov.za \(tvandermerwe@environment.gov.za\)](mailto:tvandermerwe@environment.gov.za)

[Smambane@environment.gov.za \(Smambane@environment.gov.za\)](mailto:Smambane@environment.gov.za)

[wmandivenyi@environment.gov.za \(wmandivenyi@environment.gov.za\)](mailto:wmandivenyi@environment.gov.za)

[smalete@environment.gov.za \(smalete@environment.gov.za\)](mailto:smalete@environment.gov.za)

[smunzhedzi@environment.gov.za \(smunzhedzi@environment.gov.za\)](mailto:smunzhedzi@environment.gov.za)

Subject: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process



Notification of  
Availability o...

## Sophie Williams

---

**From:** Microsoft Outlook  
**To:** AbrahamsA@dws.gov.za; SchraderC@dws.gov.za  
**Sent:** 26 September 2019 10:03  
**Subject:** Relayed: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process

**Delivery to these recipients or groups is complete, but no delivery notification was sent by the destination server:**

[AbrahamsA@dws.gov.za \(AbrahamsA@dws.gov.za\)](mailto:AbrahamsA@dws.gov.za)

[SchraderC@dws.gov.za \(SchraderC@dws.gov.za\)](mailto:SchraderC@dws.gov.za)

Subject: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process



Notification of  
Availability o...

## Sophie Williams

---

**From:** Microsoft Outlook  
**To:** Sunday.mabaso@dmr.gov.za; nwabisa.qwanyashe@dmr.gov.za;  
Azwihangwisi.Mulaudzi@dmr.gov.za  
**Sent:** 26 September 2019 10:03  
**Subject:** Relayed: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process

**Delivery to these recipients or groups is complete, but no delivery notification was sent by the destination server:**

[Sunday.mabaso@dmr.gov.za](mailto:Sunday.mabaso@dmr.gov.za) ([Sunday.mabaso@dmr.gov.za](mailto:Sunday.mabaso@dmr.gov.za))

[nwabisa.qwanyashe@dmr.gov.za](mailto:nwabisa.qwanyashe@dmr.gov.za) ([nwabisa.qwanyashe@dmr.gov.za](mailto:nwabisa.qwanyashe@dmr.gov.za))

[Azwihangwisi.Mulaudzi@dmr.gov.za](mailto:Azwihangwisi.Mulaudzi@dmr.gov.za) ([Azwihangwisi.Mulaudzi@dmr.gov.za](mailto:Azwihangwisi.Mulaudzi@dmr.gov.za))

Subject: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process



Notification of  
Availability o...

## Sophie Williams

---

**From:** Microsoft Outlook  
**To:** ithatelo@salga.org.za  
**Sent:** 26 September 2019 10:03  
**Subject:** Relayed: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process

**Delivery to these recipients or groups is complete, but no delivery notification was sent by the destination server:**

[ithatelo@salga.org.za \(ithatelo@salga.org.za\)](mailto:ithatelo@salga.org.za)

Subject: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process



Notification of  
Availability o...

## Sophie Williams

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**From:** Microsoft Outlook  
**To:** amabunda@grand.ncape.gov.za  
**Sent:** 26 September 2019 10:03  
**Subject:** Undeliverable: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process



Your message to [amabunda@grand.ncape.gov.za](mailto:amabunda@grand.ncape.gov.za) couldn't be delivered.

[amabunda](#) wasn't found at [grand.ncape.gov.za](http://grand.ncape.gov.za), or the mailbox is unavailable.

<b>Projects</b>	<b>Office 365</b>	<b>amabunda</b>
<b>Action Required</b>		Recipient
Unknown To address		

### How to Fix It

The email address might be misspelled or it might not exist. Try one or more of the following:

- **Retype the recipient's address, then resend the message** - If you're using Outlook, open this non-delivery report message and click **Send Again** from the menu or ribbon. In Outlook on the web, select this message, and then click the "**To send this message again, click here.**" link located just above the message preview window. In the To or Cc line, delete and then retype the entire recipient's address (ignore any address suggestions). After typing the complete address, click **Send** to resend the message. If you're using an email program other than Outlook or Outlook on the web, follow its standard way for resending a message. Just be sure to delete and retype the recipient's entire address before resending it.
- **Remove the recipient from the recipient Auto-Complete List, then resend the message** - If you're using Outlook or Outlook on the web, follow the steps in the "Remove the recipient from the recipient Auto-Complete List" section of [this article](#). Then resend the message. Be sure to delete and retype the recipient's entire address before clicking **Send**.
- **Contact the recipient by some other means**, (by phone, for example) to confirm you're using the right address. Ask them if they've set up an email forwarding rule that could be forwarding your message to an incorrect address.

If the problem continues, forward this message to your email admin. If you're an email admin, refer to the **More Info for Email Admins** section below.

Was this helpful? [Send feedback to Microsoft.](#)

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## More Info for Email Admins

Status code: 550 5.1.351

When Office 365 tried to send the message, the external email server returned an error stating that the recipient is unknown or the mailbox is unavailable. This error was reported by an email server outside Office 365.

**If you or the sender can't fix the problem, contact the responsible party's email admin** - Give them the error code and error message from this non-delivery report (NDR) to help them troubleshoot the issue. To determine who the responsible party might be, check the error for information about where the problem is happening. For example, look for a domain name like contoso.com. A domain name in the error might suggest who is responsible for the error. It could be the recipient's email server, or it could be a third-party service that your organization or the recipient's organization is using to process or filter email messages.

Although the sender might be able to fix the issue by correcting the recipient address, it's likely that only the recipient's email admin can fix the problem. Unfortunately, it's unlikely Office 365 Support will be able to help with these kinds of externally reported errors.

### Original Message Details

Created Date: 9/26/2019 7:02:56 AM  
Sender Address: Projects@arcusconsulting.co.za  
Recipient Address: amabunda@grand.ncape.gov.za  
Subject: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process

### Error Details

Reported error: *550 5.1.351 Remote server returned unknown recipient or mailbox unavailable -> 550 rejected because recipient verify failed - user not found*  
DSN generated by: CWLP265MB1585.GBRP265.PROD.OUTLOOK.COM  
Remote server: securemail-pl-mx7.synaq.com

### Message Hops

HOP	TIME (UTC)	FROM	TO	WITH
1	9/26/2019 7:02:56 AM	CWLP265MB1089.GBRP265.PROD.OUTLOOK.COM	CWLP265MB1089.GBRP265.PROD.OUTLOOK.COM	mapi

## Original Message Headers

ARC-Seal: i=1; a=rsa-sha256; s=arcselector9901; d=microsoft.com; cv=none;

b=QNN0FQfkzK6JYZE6YhFiBZkWGOS3sJUNdz5AA5qKVMYTBUDcliHoDtRBJCunBklogR7Lt0SBdOP8ugSeGK7  
mawCFxH4sjCaVWoIAmkstjcvl2tGgtaCNXFmqBNh5D8AdfXrzYAJpEgt9cLl2lluL5VUZRp9O9JrHVZ9q2uju5  
gpeKscDiCbEHeOk1H9BCGt4S2PgEJPKHPj/N/rjtIFsHS9+ZF9AnKgaegfZe0Vvx+nLDjteaP+GcYgNT2Rbg9t  
D1SXoVrL6G6PpAxldCCvcOufZe87YIcaMNCNwPAP73pvJkg/jUJBRo7ecZMsHvOTx8CL3jJLSAuG5RG9Mub9wfa  
==

ARC-Message-Signature: i=1; a=rsa-sha256; c=relaxed/relaxed; d=microsoft.com;  
s=arcselector9901;  
h=From:Date:Subject:Message-ID:Content-Type:MIME-Version:X-MS-Exchange-SenderADCheck;  
bh=RQMULxnIAPFGuRACjlyH4EXY7ViwoJ+ZJjbIUlTp/sU=;

b=aT0szp2XZsmcw2xJsr3wuouR2pNYYZ2EzVcPf2FcmxOHme2ZbObDwD/UfVgaAzd+7i0SJ3Vlc5NYO0XobneL  
eJ8RvoFJReJJ9HT+mp2QBs7Fo99pi8MBFUyd6LlRXoaI8Ii+fmUKqRPiNn3eYzmKPJTHjV+hfGj6AqmJ5ij4o0  
8WlzlRL3zZth8fPlfjCeWeZXJ5MxLY+YlrBza+vOPFeQ5A8pmkQbZwQYoThbfCU01Yk4oMMwjYHaYzeFCFNOWGk  
W7Vq/UkX9hqWJl+Qxg3BcApfTsZZXNT3KUF5aUR+Flt7UGg+ZNRIrI+sUriwZzdLdavMuJHJV5KaCZS3/h8/NA  
==

ARC-Authentication-Results: i=1; mx.microsoft.com 1; spf=pass  
smtp.mailfrom=arcusconsulting.co.za; dmarc=pass action=none  
header.from=arcusconsulting.co.za; dkim=pass header.d=arcusconsulting.co.za;  
arc=none

DKIM-Signature: v=1; a=rsa-sha256; c=relaxed/relaxed;  
d=arcusconsultingltd.onmicrosoft.com;  
s=selector1-arcusconsultingltd-onmicrosoft-com;  
h=From:Date:Subject:Message-ID:Content-Type:MIME-Version:X-MS-Exchange-SenderADCheck;  
bh=RQMULxnIAPFGuRACjlyH4EXY7ViwoJ+ZJjbIUlTp/sU=;

b=mzcsYolXJj9dQPI/wZylCwNlGlySnlctot/Z+aiXrIEZwC3csFaKHF7sFkXjk3P7+ddqDesHMY0dpvgbDguY  
IsLVyCZ7okCfLYnyF0HPYCoYnEHY6jp+Dqofx1krAxhXFpw8h3rHgci/ct3NGElN/AvILpN/jbl/eWNDPzvVpA  
E=

Received: from CWLP265MB1089.GBRP265.PROD.OUTLOOK.COM (20.176.34.145) by  
CWLP265MB1585.GBRP265.PROD.OUTLOOK.COM (20.176.33.19) with Microsoft SMTP  
Server (version=TLS1\_2, cipher=TLS\_ECDHE\_RSA\_WITH\_AES\_256\_GCM\_SHA384) id  
15.20.2305.17; Thu, 26 Sep 2019 07:02:56 +0000

Received: from CWLP265MB1089.GBRP265.PROD.OUTLOOK.COM  
([fe80::40fd:9b6f:199e:8b76]) by CWLP265MB1089.GBRP265.PROD.OUTLOOK.COM  
([fe80::40fd:9b6f:199e:8b76%7]) with mapi id 15.20.2284.023; Thu, 26 Sep 2019  
07:02:56 +0000

From: Projects <Projects@arcusconsulting.co.za>

To: Projects <Projects@arcusconsulting.co.za>

Subject: Notification of Availability of the San Kraal and Phezukomoya WEF  
Amendments and Basic Assessment Process

Thread-Topic: Notification of Availability of the San Kraal and Phezukomoya  
WEF Amendments and Basic Assessment Process

Thread-Index: Adv0NbEZpQG0eCA2T9yLh2S4L0hEZQ==

Disposition-Notification-To: Projects <Projects@arcusconsulting.co.za>

Return-Receipt-To: <Projects@arcusconsulting.co.za>

Date: Thu, 26 Sep 2019 07:02:56 +0000



Message-ID:  
<CWLP265MB1089872E0EE5B2AD7A19DD2A93860@CWLP265MB1089.GBRP265.PROD.OUTLOOK.COM>  
Accept-Language: en-US  
Content-Language: en-US  
X-MS-Has-Attach: yes  
X-MS-TNEF-Correlator:  
authentication-results: spf=none (sender IP is )  
smtp.mailfrom=Projects@arcusconsulting.co.za;  
x-ms-exchange-messagesentrepresentingtype: 1  
x-originating-ip: [196.22.229.227]  
x-ms-publictraffictype: Email  
x-ms-office365-filtering-correlation-id: 94abc114-a289-48c7-c834-08d7424f8f3e  
x-ms-trafficdiagnostic: CWLP265MB1585:  
x-ms-exchange-purlcount: 3  
x-ms-exchange-transport-forked: True  
x-microsoft-antispam-prvs:  
<CWLP265MB1585DC63A3769CB68CC314D481860@CWLP265MB1585.GBRP265.PROD.OUTLOOK.COM>  
x-ms-oob-tlc-oobclassifiers: OLM:262;  
x-forefront-prvs: 0172F0EF77  
x-forefront-antispam-report:  
SFV:NSPM;SFS:(10019020)(376002)(346002)(39840400004)(366004)(136003)(396003)(189003)(199004)(6116002)(33656002)(3846002)(7110500001)(861006)(81166006)(81156014)(10916006)(8676002)(6436002)(733005)(6306002)(54896002)(15650500001)(55016002)(2420400007)(236005)(80792005)(9686003)(6862004)(626008)(316002)(2906002)(25786009)(476003)(26005)(99936001)(14454004)(256004)(478600001)(88996005)(5024004)(14444005)(486006)(86362001)(99286004)(606006)(186003)(5660300002)(7696005)(71190400001)(71200400001)(6200100001)(74316002)(8936002)(7736002)(52536014)(66556008)(66576008)(66476007)(7276002)(7336002)(7366002)(7416002)(64756008)(66446008)(7406005)(66946007)(102836004)(66066001)(6506007);DIR:OUT;SFP:1102;SCL:1;SRVR:CWLP265MB1585;H:CWLP265MB1089.GBRP265.PROD.OUTLOOK.COM;FPR:;SPF:None;LANG:en;PTR:InfoNoRecords;MX:1;A:1;  
received-spf: None (protection.outlook.com: arcusconsulting.co.za does not designate permitted sender hosts)  
x-ms-exchange-senderadcheck: 1  
x-microsoft-antispam: BCL:0;  
x-microsoft-antispam-message-info:  
wTAIj6fbWqem/8pDxOj3mieHmdM4Ft7hzwWCdwVdxs5DLpCNhlJKAmY9m/JkOsGPmkLzxR7R6Rhq/39zaYYdG1k0xcMviTB+EqOwBbfqUQCMVucSXiPkXY9rXE0i4CnctPqDsdvcaR5mYDdzpw3Iv/IspKC3uE42E/oOfyZ9BDLxQGejHCCyHlh11TC0JnmsOVXz1fXHowUWX9CeCEAN+kP38ckkbla9tXGtU+ETJnqyGf1+Ke5ChITJ1/983tnRAvEbnbz6KDshRMiHtK/fmFmLg94RFFGye8kRlKiA3ZRDps/7VicXxiRkfreX3f2uhS6Dee+yB0gII/r51vTcfwf/Bw6p5DKkm8+K91nwrI8xe+bElXiPdTFMb9P1Ey9Z4JDCOk0mnKKzKPNyeRClPwU0OvLQZo1opkgblAVrvPnKlh55F2ZDRQNjmnWGSx39Y2v+RtjCKjXLzY7tp+U9Q==  
Content-Type: multipart/mixed;  
boundary="\_007\_CWLP265MB1089872E0EE5B2AD7A19DD2A93860CWLP265MB1089GBRP\_"  
MIME-Version: 1.0  
X-OriginatorOrg: arcusconsulting.co.za  
X-MS-Exchange-CrossTenant-Network-Message-Id: 94abc114-a289-48c7-c834-08d7424f8f3e  
X-MS-Exchange-CrossTenant-originalarrivaltime: 26 Sep 2019 07:02:56.7581 (UTC)  
X-MS-Exchange-CrossTenant-fromentityheader: Hosted  
X-MS-Exchange-CrossTenant-id: d9bba7f2-9d82-4ebf-8cec-bcd827e07f80  
X-MS-Exchange-CrossTenant-mailboxtype: HOSTED  
X-MS-Exchange-CrossTenant-userprincipalname: IZKLc0eqZEi3loE5q4Qlyc8ItCoIwiNC3cXVPofwEJKv/ZKebhvp2mhDHIbFGvcAT6emeDEDmbrnW+Kxfh0dMyNkJJeJMVUdSnpGDbAcnATk=  
X-MS-Exchange-Transport-CrossTenantHeadersStamped: CWLP265MB1585

## Sophie Williams

---

**From:** Microsoft Outlook  
**To:** muna@iafrica.com  
**Sent:** 26 September 2019 10:03  
**Subject:** Relayed: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process

**Delivery to these recipients or groups is complete, but no delivery notification was sent by the destination server:**

[muna@iafrica.com](mailto:muna@iafrica.com) (muna@iafrica.com)

Subject: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process



Notification of  
Availability o...

## Sophie Williams

---

**From:** Microsoft Outlook  
**To:** Vuyokazi.sangoni@ecdsd.gov.za  
**Sent:** 26 September 2019 10:03  
**Subject:** Relayed: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process

**Delivery to these recipients or groups is complete, but no delivery notification was sent by the destination server:**

[Vuyokazi.sangoni@ecdsd.gov.za](mailto:Vuyokazi.sangoni@ecdsd.gov.za) ([Vuyokazi.sangoni@ecdsd.gov.za](mailto:Vuyokazi.sangoni@ecdsd.gov.za))

Subject: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process



Notification of  
Availability o...

## Sophie Williams

---

**From:** Microsoft Outlook  
**To:** ShawLS@telkom.co.za  
**Sent:** 26 September 2019 10:03  
**Subject:** Relayed: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process

**Delivery to these recipients or groups is complete, but no delivery notification was sent by the destination server:**

[ShawLS@telkom.co.za](mailto:ShawLS@telkom.co.za) ([ShawLS@telkom.co.za](mailto:ShawLS@telkom.co.za))

Subject: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process



Notification of  
Availability o...

## Sophie Williams

---

**From:** Microsoft Outlook  
**To:** lourensl@ewt.org.za  
**Sent:** 26 September 2019 10:03  
**Subject:** Relayed: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process

**Delivery to these recipients or groups is complete, but no delivery notification was sent by the destination server:**

[lourensl@ewt.org.za](mailto:lourensl@ewt.org.za) (lourensl@ewt.org.za)

Subject: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process



Notification of  
Availability o...

## Sophie Williams

---

**From:** Microsoft Outlook  
**To:** makayam@atns.co.za  
**Sent:** 26 September 2019 10:03  
**Subject:** Relayed: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process

**Delivery to these recipients or groups is complete, but no delivery notification was sent by the destination server:**

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

Subject: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process



Notification of  
Availability o...

## Sophie Williams

---

**From:** Microsoft Outlook  
**To:** mario.bratz@yahoo.com  
**Sent:** 26 September 2019 10:03  
**Subject:** Relayed: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process

**Delivery to these recipients or groups is complete, but no delivery notification was sent by the destination server:**

[mario.bratz@yahoo.com](mailto:mario.bratz@yahoo.com) ([mario.bratz@yahoo.com](mailto:mario.bratz@yahoo.com))

Subject: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process



Notification of  
Availability o...

## Sophie Williams

---

**From:** Microsoft Outlook  
**To:** alwyn@saaea.org  
**Sent:** 26 September 2019 10:03  
**Subject:** Relayed: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process

**Delivery to these recipients or groups is complete, but no delivery notification was sent by the destination server:**

[alwyn@saaea.org](mailto:alwyn@saaea.org) ([alwyn@saaea.org](mailto:alwyn@saaea.org))

Subject: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process



Notification of  
Availability o...



## Sophie Williams

---

**From:** Microsoft Outlook  
**To:** vbaduza@sahra.org.za; nhiggitt@sahra.org.za  
**Sent:** 26 September 2019 10:03  
**Subject:** Relayed: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process

**Delivery to these recipients or groups is complete, but no delivery notification was sent by the destination server:**

[vbaduza@sahra.org.za](mailto:vbaduza@sahra.org.za) ([vbaduza@sahra.org.za](mailto:vbaduza@sahra.org.za))

[nhiggitt@sahra.org.za](mailto:nhiggitt@sahra.org.za) ([nhiggitt@sahra.org.za](mailto:nhiggitt@sahra.org.za))

Subject: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process



Notification of  
Availability o...

## Sophie Williams

---

**From:** Microsoft Outlook  
**To:** info@experiencenortherncape.com  
**Sent:** 26 September 2019 10:03  
**Subject:** Relayed: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process

**Delivery to these recipients or groups is complete, but no delivery notification was sent by the destination server:**

[info@experiencenortherncape.com](mailto:info@experiencenortherncape.com) ([info@experiencenortherncape.com](mailto:info@experiencenortherncape.com))

Subject: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process



Notification of  
Availability o...

## Sophie Williams

---

**From:** Microsoft Outlook  
**To:** Rudzani.Nemukula@wessa.co.za  
**Sent:** 26 September 2019 10:03  
**Subject:** Undeliverable: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process



Your message to [Rudzani.Nemukula@wessa.co.za](mailto:Rudzani.Nemukula@wessa.co.za) couldn't be delivered.

[Rudzani.Nemukula](mailto:Rudzani.Nemukula@wessa.co.za) wasn't found at [wessa.co.za](http://wessa.co.za).

<b>Projects</b>	<b>Office 365</b>	<b>Rudzani.Nemukula</b>
<b>Action Required</b>		Recipient
Unknown To address		

### How to Fix It

The address might be misspelled or might not exist. Try one or more of the following:

- **Retype the recipient's address, then resend the message** - If you're using Outlook, open this non-delivery report message and click **Send Again** from the menu or ribbon. In Outlook on the web, select this message, and then click the "**To send this message again, click here.**" link located just above the message preview window. In the To or Cc line, delete and then retype the entire recipient's address (ignore any address suggestions). After typing the complete address, click **Send** to resend the message. If you're using an email program other than Outlook or Outlook on the web, follow its standard way for resending a message. Just be sure to delete and retype the recipient's entire address before resending it.
- **Remove the recipient from the recipient Auto-Complete List, then resend the message** - If you're using Outlook or Outlook on the web, follow the steps in the "Remove the recipient from the recipient Auto-Complete List" section of [this article](#). Then resend the message. Be sure to delete and retype the recipient's entire address before clicking **Send**.
- **Contact the recipient by some other means**, (by phone, for example) to confirm you're using the right address. Ask them if they've set up an email forwarding rule that could be forwarding your message to an incorrect address.

If the problem continues, ask the recipient to tell their email admin about the problem, and give them the error (and the name of the server that reported it) shown below. It's likely that only the recipient's email admin can fix this problem.

Was this helpful? [Send feedback to Microsoft.](#)

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## More Info for Email Admins

Status code: 550 5.4.1

This error occurred because a message was sent to an email address hosted by Office 365, but the address doesn't exist in the receiving organization's Office 365 directory. Directory Based Edge Blocking (DBEB) is enabled for wessa.co.za, and DBEB rejects messages addressed to recipients who don't exist in the receiving organization's Office 365 directory. This error is reported by the recipient domain's email server, but most often it can be fixed by the person who sent the message. If the steps in the **How to Fix It** section above don't fix the problem, and you're the email admin for the recipient, try one or more of the following:

**Check that the email address exists and is correct** - Confirm that the recipient address exists in your Office 365 directory, is correct, and is accepting messages.

**Synchronize your directories** - Make sure directory synchronization is working correctly, and that the recipient's email address exists in both Office 365 and in your on-premises directory.

**Check for errant forwarding rules** - Check for forwarding rules for the original recipient that might be trying to forward the message to an invalid address. Forwarding can be set up by an admin via mail flow rules or mailbox forwarding address settings, or by the recipient via the Forwarding or Inbox Rules features.

**Make sure the recipient has a valid license** - Make sure the recipient has an Office 365 license assigned to them. The recipient's email admin can use the Office 365 admin center to assign a license to them (Users > Active Users > Select the recipient > Assigned License > Edit).

**Make sure that mail flow settings and MX records are correct** - Misconfigured mail flow or MX record settings can cause this error. Check your Office 365 mail flow settings to make sure your domain and any mail flow connectors are set up correctly. Also, work with your domain registrar to make sure the MX records for your domain are set up correctly.

For more information and additional tips to fix this issue, see [this article](#).

## Original Message Details

Created Date:	9/26/2019 7:02:56 AM
Sender Address:	Projects@arcusconsulting.co.za
Recipient Address:	Rudzani.Nemukula@wessa.co.za
Subject:	Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process

## Error Details

Reported error: 550 5.4.1 [Rudzani.Nemukula@wessa.co.za]: Recipient address rejected: Access denied [HE1EUR01FT016.eop-EUR01.prod.protection.outlook.com]  
DSN generated by: CWLP265MB1585.GBRP265.PROD.OUTLOOK.COM  
Remote server: HE1EUR01FT016.mail.protection.outlook.com

## Message Hops

HOP	TIME (UTC)	FROM	TO	WITH
1	9/26/2019 7:02:56 AM	CWLP265MB1089.GBRP265.PROD.OUTLOOK.COM	CWLP265MB1089.GBRP265.PROD.OUTLOOK.COM	map
2	9/26/2019 7:02:56 AM	CWLP265MB1089.GBRP265.PROD.OUTLOOK.COM	CWLP265MB1585.GBRP265.PROD.OUTLOOK.COM	Microsoft cipher=TL

## Original Message Headers

ARC-Seal: i=1; a=rsa-sha256; s=arcselector9901; d=microsoft.com; cv=none;

b=QNN0FQfkzK6JYZE6YhFiBZkWGOS3sJUNdz5AA5qkVmYTBUDClIHoDtRBJCunBklogR7Lt0SBdOP8ugSeGK7mawCFxH4s jCaVWoIAmkst jcvl2tGgtaCNXFmqBNh5D8AdfXrzYAJpEgt9cLl2lluL5VUzRp9O9JrHVZ9q2uju5gpeKscDiCbEHeOk1H9BCGt4S2PgEJPKHPj/N/rjtIFsHS9+ZF9AnKgaegfZe0Vvx+nLDjteaP+GcYgNT2Rbg9tD1SXoVRlG6PpAxldCCvcOufZe87YIcaMnCNwPAP73pvJkg/jUJBRo7ecZMsHvOTx8CL3jJLSAuG5RG9Mub9wfa==

ARC-Message-Signature: i=1; a=rsa-sha256; c=relaxed/relaxed; d=microsoft.com; s=arcselector9901;

h=From:Date:Subject:Message-ID:Content-Type:MIME-Version:X-MS-Exchange-SenderADCheck; bh=RQMULxnIAPFGuRacjlyH4EXY7ViwoJ+ZJjbIUlTp/sU=;

b=aTOszp2XZsmcw2xJsr3wuouR2pNYYZ2EzVcPf2FcmxOHme2ZbObDwD/UfVgaAzd+7i0SJ3Vlc5NYO0XobneLeJ8RvoFJReJJ9HT+mp2QBs7Fo99pi8MBFUyd6LlRXoaI8Ii+fmUKqRPiNn3eYzmKPJTHjV+hfGj6AqmJ5ij4o08W1zRL3zZth8fPLfjCeWeZXJ5MxLY+YlrBza+vOPFeQ5A8pmkQbZwQYoThbfCU01Yk4oMMwjYHaYzeFCFNOWGkW7Vq/UkX9hqwJl+Qxg3BcApfTsZZXNT3KUF5aUR+F1t7UGg+ZNRIrI+sUriwZzdLdavMuJHJV5KaCZS3/h8/NA==

ARC-Authentication-Results: i=1; mx.microsoft.com 1; spf=pass

smtp.mailfrom=arcusconsulting.co.za; dmarc=pass action=none

header.from=arcusconsulting.co.za; dkim=pass header.d=arcusconsulting.co.za; arc=none

DKIM-Signature: v=1; a=rsa-sha256; c=relaxed/relaxed;

d=arcusconsultingltd.onmicrosoft.com;

s=selector1-arcusconsultingltd-onmicrosoft-com;

h=From:Date:Subject:Message-ID:Content-Type:MIME-Version:X-MS-Exchange-SenderADCheck;

bh=RQMULxnIAPFGuRacjlyH4EXY7ViwoJ+ZJjbIUlTp/sU=;

b=mzcsYolXJj9dQPI/wZylCwNlGlySnlctot/Z+aiXrIEZwC3csFaKHF7sFkXjk3P7+ddqDesHMY0dpvgbDguYIsLVyCZ7okCfLYnyF0HPYCoYnEHY6jp+Dqofx1krAxhXFpw8h3rHgci/ct3NGEln/AvILpN/jbl/eWNDPzvVpAE=

Received: from CWLP265MB1089.GBRP265.PROD.OUTLOOK.COM (20.176.34.145) by CWLP265MB1585.GBRP265.PROD.OUTLOOK.COM (20.176.33.19) with Microsoft SMTP Server (version=TLS1\_2, cipher=TLS\_ECDHE\_RSA\_WITH\_AES\_256\_GCM\_SHA384) id 15.20.2305.17; Thu, 26 Sep 2019 07:02:56 +0000

Received: from CWLP265MB1089.GBRP265.PROD.OUTLOOK.COM  
([fe80::40fd:9b6f:199e:8b76]) by CWLP265MB1089.GBRP265.PROD.OUTLOOK.COM  
([fe80::40fd:9b6f:199e:8b76%7]) with mapi id 15.20.2284.023; Thu, 26 Sep 2019  
07:02:56 +0000

From: Projects <Projects@arcusconsulting.co.za>  
To: Projects <Projects@arcusconsulting.co.za>  
Subject: Notification of Availability of the San Kraal and Phezukomoya WEF  
Amendments and Basic Assessment Process  
Thread-Topic: Notification of Availability of the San Kraal and Phezukomoya  
WEF Amendments and Basic Assessment Process  
Thread-Index: Adv0NbEZpQG0eCA2T9yLh2S4L0hEZQ==  
Disposition-Notification-To: Projects <Projects@arcusconsulting.co.za>  
Return-Receipt-To: <Projects@arcusconsulting.co.za>  
Date: Thu, 26 Sep 2019 07:02:56 +0000

Message-ID:  
<CWLP265MB1089872E0EE5B2AD7A19DD2A93860@CWLP265MB1089.GBRP265.PROD.OUTLOOK.COM>  
Accept-Language: en-US  
Content-Language: en-US  
X-MS-Has-Attach: yes  
X-MS-TNEF-Correlator:  
authentication-results: spf=none (sender IP is )  
smtp.mailfrom=Projects@arcusconsulting.co.za;  
x-ms-exchange-messagesentrepresentingtype: 1  
x-originating-ip: [196.22.229.227]  
x-ms-publictraffictype: Email  
x-ms-office365-filtering-correlation-id: 94abc114-a289-48c7-c834-08d7424f8f3e  
x-ms-trafficdiagnostic: CWLP265MB1585:  
x-ms-exchange-purlcount: 3  
x-ms-exchange-transport-forked: True  
x-microsoft-antispam-prvs:  
<CWLP265MB1585DC63A3769CB68CC314D481860@CWLP265MB1585.GBRP265.PROD.OUTLOOK.COM>  
x-ms-oob-tlc-oobclassifiers: OLM:262;  
x-forefront-prvs: 0172F0EF77  
x-forefront-antispam-report:  
SFV:NSPM;SFS:(10019020)(376002)(346002)(39840400004)(366004)(136003)(396003)(189003)(1  
99004)(6116002)(33656002)(3846002)(7110500001)(861006)(81166006)(81156014)(10916006)(8  
676002)(6436002)(733005)(6306002)(54896002)(15650500001)(55016002)(2420400007)(236005)  
(80792005)(9686003)(6862004)(626008)(316002)(2906002)(25786009)(476003)(26005)(9993600  
1)(14454004)(256004)(478600001)(88996005)(5024004)(14444005)(486006)(86362001)(9928600  
4)(606006)(186003)(5660300002)(7696005)(71190400001)(71200400001)(6200100001)(74316002  
) (8936002)(7736002)(52536014)(66556008)(66576008)(66476007)(7276002)(7336002)(7366002)  
(7416002)(64756008)(66446008)(7406005)(66946007)(102836004)(66066001)(6506007);DIR:OUT  
;SFP:1102;SCL:1;SRVR: CWLP265MB1585;H: CWLP265MB1089.GBRP265.PROD.OUTLOOK.COM;FPR:;SPF: N  
one;LANG:en;PTR: InfoNoRecords;MX:1;A:1;

received-spf: None (protection.outlook.com: arcusconsulting.co.za does not  
designate permitted sender hosts)  
x-ms-exchange-senderadcheck: 1  
x-microsoft-antispam: BCL:0;  
x-microsoft-antispam-message-info:  
wTAIj6fbWqem/8pDxOj3mieHmdM4Ft7hzwWCdwVdxs5DLpCNhLJKAmY9m/JkOsGPmkLzXR7R6Rhg/39zaYYdG1  
k0xcMviTB+EqOwBbfqUQCMVucSXiPkXY9rXE0i4CnctPqDsdvcaR5mYDdzpw3Iv/IspKC3uE42E/oOfyZ9BDLx  
QGejHCCyHlh11TC00JnmsOVXz1fXHowUWX9CeCEAN+kP38ckkbla9tXGtU+ETJnqyGf1+Ke5ChITJ1/983tnRA  
vEbnbz6KDshRMiHtK/fmMLg94RFFGye8kRlKiA3ZRDPs/7VicXxiRkfreX3f2uhS6Dee+yB0gII/r51vTcfwf

/Bw6p5DKkm8+K91nwRi8xe+bElXiPdTFMb9P1Ey9Z4JDCOk0mnKKzKPNyeRClPwU00vLQZo1opkgb1AVrvPnKL  
h55F2ZDRQNjmNWGSx39Y2v+RtjCKjXLzY7tp+U9Q==

Content-Type: multipart/mixed;

boundary="\_007\_CWLP265MB1089872E0EE5B2AD7A19DD2A93860CWLP265MB1089GBRP\_"

MIME-Version: 1.0

X-OriginatorOrg: arcusconsulting.co.za

X-MS-Exchange-CrossTenant-Network-Message-Id: 94abc114-a289-48c7-c834-08d7424f8f3e

X-MS-Exchange-CrossTenant-originalarrivaltime: 26 Sep 2019 07:02:56.7581

(UTC)

X-MS-Exchange-CrossTenant-fromentityheader: Hosted

X-MS-Exchange-CrossTenant-id: d9bba7f2-9d82-4ebf-8cec-bcd827e07f80

X-MS-Exchange-CrossTenant-mailboxtype: HOSTED

X-MS-Exchange-CrossTenant-userprincipalname:

IZKLc0eqZEi3loE5q4Qlyc8ItCoIwiNC3cXVPofwEJKv/ZKebhvp2mhDHIbFGvcAT6emeDEDMbrnW+Kxfh0dMy  
NkJJeJMVUdSnpGDbAcnATk=

X-MS-Exchange-Transport-CrossTenantHeadersStamped: CWLP265MB1585

## Sophie Williams

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**From:** Microsoft Outlook  
**To:** tollie@isat.co.za  
**Sent:** 26 September 2019 10:03  
**Subject:** Relayed: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process

**Delivery to these recipients or groups is complete, but no delivery notification was sent by the destination server:**

[tollie@isat.co.za](mailto:tollie@isat.co.za) ([tollie@isat.co.za](mailto:tollie@isat.co.za))

Subject: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process



Notification of  
Availability o...



## Sophie Williams

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**From:** Microsoft Outlook  
**To:** atiplady@ska.ac.za; temonama@ska.ac.za  
**Sent:** 26 September 2019 10:03  
**Subject:** Relayed: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process

**Delivery to these recipients or groups is complete, but no delivery notification was sent by the destination server:**

[atiplady@ska.ac.za \(atiplady@ska.ac.za\)](mailto:atiplady@ska.ac.za)

[temonama@ska.ac.za \(temonama@ska.ac.za\)](mailto:temonama@ska.ac.za)

Subject: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process



Notification of  
Availability o...

## Sophie Williams

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**From:** Microsoft Outlook  
**To:** stefan@safcei.org.za  
**Sent:** 26 September 2019 10:03  
**Subject:** Relayed: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process

**Delivery to these recipients or groups is complete, but no delivery notification was sent by the destination server:**

[stefan@safcei.org.za](mailto:stefan@safcei.org.za) ([stefan@safcei.org.za](mailto:stefan@safcei.org.za))

Subject: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process



Notification of  
Availability o...

## Sophie Williams

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**From:** Microsoft Outlook  
**To:** tomvdwalt@gmail.com; thozi.man@gmail.com; mtrc.ltd@gmail.com; potfontein@gmail.com; karoonegroup@gmail.com; madaboutbats@gmail.com; alfranzosmit@gmail.com; n.paardevlei@gmail.com; beskuitfontein@gmail.com; elizetaljaard5@gmail.com  
**Sent:** 26 September 2019 10:03  
**Subject:** Relayed: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process

**Delivery to these recipients or groups is complete, but no delivery notification was sent by the destination server:**

[tomvdwalt@gmail.com](mailto:tomvdwalt@gmail.com) (tomvdwalt@gmail.com)

[thozi.man@gmail.com](mailto:thozi.man@gmail.com) (thozi.man@gmail.com)

[mtrc.ltd@gmail.com](mailto:mtrc.ltd@gmail.com) (mtrc.ltd@gmail.com)

[potfontein@gmail.com](mailto:potfontein@gmail.com) (potfontein@gmail.com)

[karoonegroup@gmail.com](mailto:karoonegroup@gmail.com) (karoonegroup@gmail.com)

[madaboutbats@gmail.com](mailto:madaboutbats@gmail.com) (madaboutbats@gmail.com)

[alfranzosmit@gmail.com](mailto:alfranzosmit@gmail.com) (alfranzosmit@gmail.com)

[n.paardevlei@gmail.com](mailto:n.paardevlei@gmail.com) (n.paardevlei@gmail.com)

[beskuitfontein@gmail.com](mailto:beskuitfontein@gmail.com) (beskuitfontein@gmail.com)

[elizetaljaard5@gmail.com](mailto:elizetaljaard5@gmail.com) (elizetaljaard5@gmail.com)

Subject: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process



Notification of  
Availability o...

## Sophie Williams

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**From:** Microsoft Outlook  
**To:** phumla@gcis.co.za  
**Sent:** 26 September 2019 10:03  
**Subject:** Undeliverable: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process

### Delivery has failed to these recipients or groups:

[phumla@gcis.co.za](mailto:phumla@gcis.co.za) (phumla@gcis.co.za)

Your message couldn't be delivered. The Domain Name System (DNS) reported that the recipient's domain does not exist.

Contact the recipient by some other means (by phone, for example) and ask them to tell their email admin that it appears that their domain isn't properly registered at their domain registrar. Give them the error details shown below. It's likely that the recipient's email admin is the only one who can fix this problem.

For more information and tips to fix this issue see this article:  
<https://go.microsoft.com/fwlink/?LinkId=389361>.

### Diagnostic information for administrators:

Generating server: CWLP265MB1585.GBRP265.PROD.OUTLOOK.COM

phumla@gcis.co.za

Remote Server returned '550 5.4.310 DNS domain gcis.co.za does not exist [Message=InfoDomainNonexistent] [LastAttemptedServerName=gcis.co.za] [CWLGBR01FT016.eop-gbr01.prod.protection.outlook.com]'

Original message headers:

ARC-Seal: i=1; a=rsa-sha256; s=arcselector9901; d=microsoft.com; cv=none;

b=QNN0FQfkzK6JYZE6YhFiBZkWGOS3sJUNdz5AA5qKvMvYTBUDClIHoDtRBJCunBklogR7Lt0SBdOP8ugSeGK7mawCFxH4sjCaVWoIAMkstjcvl2tGgtaCNXFmqBNh5D8AdfXrzYAJpEgt9cLl2llul5VUzRp9O9JrHVZ9q2uju5gpeKscDiCbEHeOk1H9BCGt4S2PgEJPKHPj/N/rjtIFsHS9+ZF9AnKgaegfZe0Vvx+nLDjteaP+GcYgNT2Rbg9tD1SXoVRLG6PpAxldCCvcOufZe87YIcaMNCNwPAP73pvJkg/jUJBRo7ecZMsHvOTx8CL3jJLSAuG5RG9Mub9wfa==

ARC-Message-Signature: i=1; a=rsa-sha256; c=relaxed/relaxed; d=microsoft.com; s=arcselector9901;

h=From:Date:Subject:Message-ID:Content-Type:MIME-Version:X-MS-Exchange-SenderADCheck; bh=RQMulxnIAPfGuRacjlyH4EXY7ViwoJ+ZJjbIUlTp/sU=;

b=aToszp2XZsmcw2xJsR3wuouR2pNYYZ2EzVcPf2FcmxOHme2ZbObDwD/UfVgaAzd+7i0SJ3Vlc5NYO0XobneLeJ8RvoFJReJJ9HT+mp2QBs7Fo99pi8MBFUyd6LlRXoaI8Ii+fmUKqRPiNn3eYzmKPJTHjV+hfGj6AqmJ5ij4o08W1zRL3zZth8fPLfjCeWeZXJ5MxLY+YlrBza+vOPFeQ5A8pmkQbZwQYoThbfCU01Yk4oMMwjYHaYzeFCFNOWGkW7Vq/UkX9hqwJ1+Qxg3BcApfTsZZXNT3KUF5aUR+F1t7UGg+ZNRIRI+sUriwZzdLdavMuJHJV5KaCZS3/h8/NA==

ARC-Authentication-Results: i=1; mx.microsoft.com 1; spf=pass  
smtp.mailfrom=arcusconsulting.co.za; dmarc=pass action=none  
header.from=arcusconsulting.co.za; dkim=pass header.d=arcusconsulting.co.za;  
arc=none  
DKIM-Signature: v=1; a=rsa-sha256; c=relaxed/relaxed;  
d=arcusconsultingltd.onmicrosoft.com;  
s=selector1-arcusconsultingltd-onmicrosoft-com;  
h=From:Date:Subject:Message-ID:Content-Type:MIME-Version:X-MS-Exchange-SenderADCheck;  
bh=RQMULxnlApFGuRAcjlyH4EXY7ViwoJ+ZJjbIUlTp/sU=;

b=mzcsYolXJj9dQPI/wZylCwNlGlySnlctot/Z+aiXrIEZwC3csFaKHF7sFkXjk3P7+ddqDesHMY0dpvgbDguY  
IsLVyCZ7okCfLYnyF0HPYCoYnEHY6jp+Dqofx1krAxhXFpw8h3rHgci/ct3NGElN/AvILpN/jbl/eWNDPzvVpA  
E=

Received: from CWLP265MB1089.GBRP265.PROD.OUTLOOK.COM (20.176.34.145) by  
CWLP265MB1585.GBRP265.PROD.OUTLOOK.COM (20.176.33.19) with Microsoft SMTP  
Server (version=TLS1\_2, cipher=TLS\_ECDHE\_RSA\_WITH\_AES\_256\_GCM\_SHA384) id  
15.20.2305.17; Thu, 26 Sep 2019 07:02:56 +0000  
Received: from CWLP265MB1089.GBRP265.PROD.OUTLOOK.COM  
([fe80::40fd:9b6f:199e:8b76]) by CWLP265MB1089.GBRP265.PROD.OUTLOOK.COM  
([fe80::40fd:9b6f:199e:8b76%7]) with mapi id 15.20.2284.023; Thu, 26 Sep 2019  
07:02:56 +0000  
From: Projects <Projects@arcusconsulting.co.za>  
To: Projects <Projects@arcusconsulting.co.za>  
Subject: Notification of Availability of the San Kraal and Phezukomoya WEF  
Amendments and Basic Assessment Process  
Thread-Topic: Notification of Availability of the San Kraal and Phezukomoya  
WEF Amendments and Basic Assessment Process  
Thread-Index: Adv0NbEZpQG0eCA2T9yLh2S4L0hEZQ==  
Disposition-Notification-To: Projects <Projects@arcusconsulting.co.za>  
Return-Receipt-To: <Projects@arcusconsulting.co.za>  
Date: Thu, 26 Sep 2019 07:02:56 +0000  
Message-ID:  
<CWLP265MB1089872E0EE5B2AD7A19DD2A93860@CWLP265MB1089.GBRP265.PROD.OUTLOOK.COM>  
Accept-Language: en-US  
Content-Language: en-US  
X-MS-Has-Attach: yes  
X-MS-TNEF-Correlator:  
authentication-results: spf=none (sender IP is )  
smtp.mailfrom=Projects@arcusconsulting.co.za;  
x-ms-exchange-messagesentrepresentingtype: 1  
x-originating-ip: [196.22.229.227]  
x-ms-publictraffictype: Email  
x-ms-office365-filtering-correlation-id: 94abc114-a289-48c7-c834-08d7424f8f3e  
x-ms-trafficdiagnostic: CWLP265MB1585:  
x-ms-exchange-purlcount: 3  
x-ms-exchange-transport-forked: True  
x-microsoft-antispam-prvs:  
<CWLP265MB1585DC63A3769CB68CC314D481860@CWLP265MB1585.GBRP265.PROD.OUTLOOK.COM>  
x-ms-oob-tlc-oobclassifiers: OLM:262;  
x-forefront-prvs: 0172F0EF77  
x-forefront-antispam-report:  
SFV:NSPM;SFS:(10019020)(376002)(346002)(39840400004)(366004)(136003)(396003)(189003)(1  
99004)(6116002)(33656002)(3846002)(7110500001)(861006)(81166006)(81156014)(10916006)(8  
676002)(6436002)(733005)(6306002)(54896002)(15650500001)(55016002)(2420400007)(236005)  
(80792005)(9686003)(6862004)(626008)(316002)(2906002)(25786009)(476003)(26005)(9993600  
1)(14454004)(256004)(478600001)(88996005)(5024004)(14444005)(486006)(86362001)(9928600  
4)(606006)(186003)(5660300002)(7696005)(71190400001)(71200400001)(6200100001)(74316002  
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;SFP:1102;SCL:1;SRVR: CWLP265MB1585;H: CWLP265MB1089.GBRP265.PROD.OUTLOOK.COM;FPR:;SPF:N  
one;LANG:en;PTR:InfoNoRecords;MX:1;A:1;  
received-spf: None (protection.outlook.com: arcusconsulting.co.za does not  
designate permitted sender hosts)  
x-ms-exchange-senderadcheck: 1  
x-microsoft-antispam: BCL:0;

x-microsoft-antispam-message-info:  
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    boundary="\_007\_CWLP265MB1089872E0EE5B2AD7A19DD2A93860CWLP265MB1089GBRP\_"  
MIME-Version: 1.0  
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X-MS-Exchange-CrossTenant-Network-Message-Id: 94abc114-a289-48c7-c834-08d7424f8f3e  
X-MS-Exchange-CrossTenant-originalarrivaltime: 26 Sep 2019 07:02:56.7581  
    (UTC)  
X-MS-Exchange-CrossTenant-fromentityheader: Hosted  
X-MS-Exchange-CrossTenant-id: d9bba7f2-9d82-4ebf-8cec-bcd827e07f80  
X-MS-Exchange-CrossTenant-mailboxtype: HOSTED  
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NkJJeJMVUdSnpGDbAcnATk=  
X-MS-Exchange-Transport-CrossTenantHeadersStamped: CWLP265MB1585

## Sophie Williams

---

**From:** Microsoft Outlook  
**To:** Projects  
**Sent:** 26 September 2019 10:03  
**Subject:** Delivered: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process

**Your message has been delivered to the following recipients:**

[Projects \(Projects@arcusconsulting.co.za\)](mailto:Projects@arcusconsulting.co.za)

Subject: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process



Notification of  
Availability o...

## Sophie Williams

---

**From:** Microsoft Outlook  
**To:** mzolisi.matutu@srac.ecprov.gov.zal  
**Sent:** 26 September 2019 10:03  
**Subject:** Undeliverable: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process

### Delivery has failed to these recipients or groups:

[mzolisi.matutu@srac.ecprov.gov.zal](mailto:mzolisi.matutu@srac.ecprov.gov.zal) (mzolisi.matutu@srac.ecprov.gov.zal)

Your message couldn't be delivered. The Domain Name System (DNS) reported that the recipient's domain does not exist.

Contact the recipient by some other means (by phone, for example) and ask them to tell their email admin that it appears that their domain isn't properly registered at their domain registrar. Give them the error details shown below. It's likely that the recipient's email admin is the only one who can fix this problem.

For more information and tips to fix this issue see this article:  
<https://go.microsoft.com/fwlink/?LinkId=389361>.

### Diagnostic information for administrators:

Generating server: CWLP265MB1585.GBRP265.PROD.OUTLOOK.COM

mzolisi.matutu@srac.ecprov.gov.zal  
Remote Server returned '550 5.4.310 DNS domain srac.ecprov.gov.zal does not exist  
[Message=InfoDomainNonexistent] [LastAttemptedServerName=srac.ecprov.gov.zal] [CWLGBR01FT015.eop-gbr01.prod.protection.outlook.com]'

### Original message headers:

ARC-Seal: i=1; a=rsa-sha256; s=arcselector9901; d=microsoft.com; cv=none;

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ARC-Message-Signature: i=1; a=rsa-sha256; c=relaxed/relaxed; d=microsoft.com;  
s=arcselector9901;  
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bh=RQMULxnIAPFGuRACjlyH4EXY7ViwoJ+ZJjbIUlTp/sU=;

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ARC-Authentication-Results: i=1; mx.microsoft.com 1; spf=pass  
smtp.mailfrom=arcusconsulting.co.za; dmarc=pass action=none  
header.from=arcusconsulting.co.za; dkim=pass header.d=arcusconsulting.co.za;  
arc=none  
DKIM-Signature: v=1; a=rsa-sha256; c=relaxed/relaxed;  
d=arcusconsultingltd.onmicrosoft.com;  
s=selector1-arcusconsultingltd-onmicrosoft-com;  
h=From:Date:Subject:Message-ID:Content-Type:MIME-Version:X-MS-Exchange-SenderADCheck;  
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Received: from CWLP265MB1089.GBRP265.PROD.OUTLOOK.COM (20.176.34.145) by  
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15.20.2305.17; Thu, 26 Sep 2019 07:02:56 +0000  
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([fe80::40fd:9b6f:199e:8b76]) by CWLP265MB1089.GBRP265.PROD.OUTLOOK.COM  
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07:02:56 +0000  
From: Projects <Projects@arcusconsulting.co.za>  
To: Projects <Projects@arcusconsulting.co.za>  
Subject: Notification of Availability of the San Kraal and Phezukomoya WEF  
Amendments and Basic Assessment Process  
Thread-Topic: Notification of Availability of the San Kraal and Phezukomoya  
WEF Amendments and Basic Assessment Process  
Thread-Index: Adv0NbEZpQG0eCA2T9yLh2S4L0hEZQ==  
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Return-Receipt-To: <Projects@arcusconsulting.co.za>  
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x-ms-exchange-messagesentrepresentingtype: 1  
x-originating-ip: [196.22.229.227]  
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designate permitted sender hosts)  
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    (UTC)  
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X-MS-Exchange-CrossTenant-id: d9bba7f2-9d82-4ebf-8cec-bcd827e07f80  
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**BILLING COPY**

USE THIS WAYBILL NUMBER TO TRACK YOUR PARCEL



40109661771

**aramex**  
Store-to-Door Courier

BFN ☒ (051) 411-4999	CPT ☒ (021) 528-8600	DUR ☒ (031) 581-5800	ELS ☒ (043) 736-1083	GRJ ☒ (044) 874-0660	JNB ☒ (011) 457-3200	KIM ☒ (053) 841-0382	NLP ☒ (013) 752-3993
PLZ ☒ (041) 581-4612	PMB ☒ (033) 342-6756	PRY ☒ (012) 742-0300	PTG ☒ (015) 297-7798	RBG ☒ (014) 596-7775	RCB ☒ (087) 350-0657	STB ☒ (021) 867-8160	VAAL ☒ (016) 933-4297

PLEASE FILL IN STEPS 1 - 6 BELOW

www.aramex.co.za

Aramex South Africa (PTY) Ltd Reg. No. 1998/011447/07 VAT Reg. No. 430

1 DATE 15/10/2019

2	YOUR DETAILS HERE	SENDER'S NAME	ANEESAH ALWIE	
		YOUR CELL PHONE NO. (VERY IMPORTANT)	0790523776	
		COMPANY NAME (IF APPLICABLE)	ARCUS CONSULTANCY SERVICES SA (PTY) LTD	
		STREET ADDRESS	OFFICE 607, CUBE W6 ICON BUILDING, CAPE TOWN, 8001	
		CITY/TOWN	CAPE TOWN	VERY IMPORTANT
		SENDER'S REFERENCE	14/12/16/3/3/2/1028 and 1029 / 1/AMI & 2/AMI	SENDERS 8001
SENDER'S EMAIL ADDRESS		aneesah@arcusconsulting.co.za		CODE

3	RECEIVER'S DETAILS	RECEIVER'S NAME	EIA ADMIN FOR A.ESSOP and C. Musemburi	
		RECEIVER'S CELL PHONE NO. (VERY IMPORTANT)	012 399 8529 / 012 399 9416	
		RECEIVER'S EMAIL ADDRESS	A.ESSOP@environment.gov.za / cmusemburi@environment.gov.za	
		COMPANY NAME (IF APPLICABLE)	Department of Environmental Affairs, Integrated Environmental Authority	
		EXACT STREET ADDRESS (P.O. BOX NOT ACCEPTED)	Environment House, 473 Steve Biko Road	
		SUBURB	Arcadia	VERY IMPORTANT
		CITY/TOWN	Pretoria	DESTINATION CODE 0083
PROVINCE	Gauteng	SOUTH AFRICA		

4 SIGN HERE *Ae*

5	CONTENTS	2 X Envelopes with documents	SERVICE: ONX
	SPECIAL INSTRUCTIONS	Hand to Hand before 12h00 on Wednesday, 16/10/19	

**CONDITIONS**

The Shipper hereby declares the cargo has been secured in accordance with ICAO Standard (Annex 17), and has been received in a secure condition and protected from unauthorised access. The cargo is being taken into company custody in a secure condition for carriage by air according to the applicable regulations and the Air Services Licensing Act No. 115 of 1990.

0/8

ACCEPTED BY ARAMEX	TIME
NAME: Michael	DATE: 15/10/19

RECEIVED IN GOOD ORDER AND CONDITION	PRINT NAME (BLOCK LETTERS)
TIME	DATE: 00/00/0000
SIGNATURE	

---

**APPENDIX G: ORIGINAL COMMENTS AND RESPONSES ON THE DRAFT  
AMENDMENT REPORT**

## Sophie Williams

---

**From:** Projects  
**Sent:** 12 September 2019 09:58  
**To:** mario.bratz@yahoo.com  
**Subject:** RE: Ref:3329 Projects (fencing/civil works)

Good Day Mario

Thank you for your email and telephone call on 11 Spetember 2019 requesting to be registered as an I&AP.

You have been included as an I&AP for the San Kraal and Phezukomoya amendment and basic assessment application process.

Kind Regards

**Aneesah Alwie**  
Public Participation Assistant, South Africa

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Tel: +27 (0) 21 412 1529  
Email: [projects@arcusconsulting.co.za](mailto:projects@arcusconsulting.co.za)

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**Arcus Consultancy Services South Africa (Pty) Ltd**  
Office 220 Cube Workspace  
Cnr Long Street and Hans Strijdom Ave  
Cape Town  
8001

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[www.arcusconsulting.co.za](http://www.arcusconsulting.co.za)



**From:** Mario Bratz [mailto:mario.bratz@yahoo.com]  
**Sent:** Saturday, September 7, 2019 13:59  
**To:** Projects <Projects@arcusconsulting.co.za>  
**Subject:** Ref:3329 Projects (fencing/civil works)

**SWORN AFFIDAVIT - B-BBEE EXEMPTED MICRO ENTERPRISE - GENERAL**

I, the undersigned,

Full name & Surname	MARIO IVAN BRATZ
Identity number	760123 5205 083

Hereby declare under oath as follows:

- The contents of this statement are to the best of my knowledge a true reflection of the facts.
- I am a Member / Director / Owner of the following enterprise and am duly authorised to act on its behalf:

Enterprise Name:	SIYAJIKELEZA Developments (PTY) LTD
Trading Name (If Applicable):	SIYAJIKELEZA Developments PTY LTD
Registration Number:	2017-134367-07
Enterprise Physical Address:	09 Esau Road MIDROS MIDDELBURG E/CAPE 5900
Type of Entity (CC, (Pty) Ltd, Sole Prop etc.):	(PTY) LTD
Nature of Business:	Civil construction, fencing
Definition of "Black People"	As per the Broad-Based Black Economic Empowerment Act 53 of 2003 as Amended by Act No 46 of 2013 "Black People" is a generic term which means Africans, Coloureds and Indians -  (a) who are citizens of the Republic of South Africa by birth or descent, or (b) who became citizens of the Republic of South Africa by naturalisation- i. before 27 April 1994; or ii. on or after 27 April 1994 and who would have been entitled to acquire citizenship by naturalization prior to that date."
Definition of "Black Designated Groups"	"Black Designated Groups means:  (a) unemployed black people not attending and not required by law to attend an educational institution and not awaiting admission to an educational institution; (b) Black people who are youth as defined in the National Youth Commission Act of 1996; (c) Black people who are persons with disabilities as defined in the Code of Good Practice on employment of people with disabilities issued under the Employment Equity Act; (d) Black people living in rural and under developed areas; (e) Black military veterans who qualifies to be called a military veteran in terms of the Military Veterans Act 18 of 2011;"

**Contractor Grades**

Grade: ICE PE, Update Date: 2018-07-04

Grade: ISQ PE, Update Date: 2018-10-30

Grade: ICB PE, Update Date: 2017-04-20

[Back](#)

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Website technical enquiries contact

3. I hereby declare under Oath that:

- The Enterprise is 100 % Black Owned as per Amended Code Series 100 of the Amended Codes of Good Practice issued under section 9 (1) of B-BBEE Act No 53 of 2003 as Amended by Act No 46 of 2013.
- The Enterprise is 0 % Black Female Owned as per Amended Code Series 100 of the Amended Codes of Good Practice issued under section 9 (1) of B-BBEE Act No 53 of 2003 as Amended by Act No 46 of 2013.
- The Enterprise is 100 % Black Designated Group Owned as per Amended Code Series 100 of the Amended Codes of Good Practice issued under section 9 (1) of B-BBEE Act No 53 of 2003 as Amended by Act No 46 of 2013.
- Black Designated Group Owned % Breakdown as per the definition stated above:
  - Black Youth % = 0 %
  - Black Disabled % = 0 %
  - Black Unemployed % = 0 %
  - Black People living in Rural areas % = 0 %
  - Black Military Veterans % = 0 %

- Based on the Financial Statements/Management Accounts and other information available on the latest financial year-end of 2018, the annual Total Revenue was R10,000,000.00 (Ten Million Rands) or less
- Please Confirm on the below table the B-BBEE Level Contributor, by ticking the applicable box.

100% Black Owned	Level One (135% B-BBEE procurement recognition level)	X
At least 51% Black Owned	Level Two (125% B-BBEE procurement recognition level)	N/A
Less than 51% Black Owned	Level Four (100% B-BBEE procurement recognition level)	N/A

4. I know and understand the contents of this affidavit and I have no objection to take the prescribed oath and consider the oath binding on my conscience and on the Owners of the Enterprise which I represent in this matter.
5. The sworn affidavit will be valid for a period of 12 months from the date signed by commissioner.

Deponent Signature: M. Bey

Date: 25/06/2019

(Signature)  
Commissioner of Oaths  
Signature & stamp







Contact Details

MR. MARIO BRATZ

Cell: 0799797829.

Email: mario.bratz@yahoo.com

## Sophie Williams

---

**From:** Projects  
**Sent:** 12 September 2019 09:59  
**To:** Sherieve  
**Subject:** RE: I&AP

Good Day Alfranzo

Thank you for your email. You have been included on the I&AP Database for the San Kraal and Phezukomoya WEF amendment and basic assessment application process.

Kind Regards

**Aneesah Alwie**  
Public Participation Assistant, South Africa

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Tel: +27 (0) 21 412 1529  
Email: [projects@arcusconsulting.co.za](mailto:projects@arcusconsulting.co.za)

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**Arcus Consultancy Services South Africa (Pty) Ltd**  
Office 220 Cube Workspace  
Cnr Long Street and Hans Strijdom Ave  
Cape Town  
8001

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[www.arcusconsulting.co.za](http://www.arcusconsulting.co.za)



**From:** Sherieve [mailto:alfranzosmit@gmail.com]  
**Sent:** Wednesday, September 11, 2019 11:10  
**To:** Projects <Projects@arcusconsulting.co.za>  
**Subject:** I&AP

Good Morning

I would like to register as an I&AP for the projects around the Noupoort-Middleburg area. I'm a local from the area and a SMME owner. For both the wind energy and the solar energy projects. Hear from you soon.

WARM REGARDS  
Alfranzo  
0795008361  
RIEVE SURVEYS (pty ltd)

## Sophie Williams

---

**From:** John Geeringh <GeerinJH@eskom.co.za>  
**Sent:** 27 September 2019 11:09  
**To:** Projects  
**Subject:** RE: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process  
**Attachments:** Eskom requirements for work in or near Eskom servitudes WIND (3).doc; Renewable Energy Generation Plant Setbacks to Eskom Infrastructure Rev1 - signed.pdf

Please find attached the latest Eskom setbacks document with regard to renewable energy infrastructure in relation to Eskom infrastructure. Please ensure the applicant is aware of this document and its contents in terms of this amendment application. Should you have any queries, please contact me.

Kind regards

John Geeringh (Pr Sci Nat)  
Senior Consultant Environmental Management  
Eskom Transmission Division: Land & Rights  
Megawatt Park, D1Y42, Maxwell Drive, Sunninghill, Sandton.  
P O Box 1091, Johannesburg, 2000.  
Tel: 011 516 7233  
Cell: 083 632 7663  
Fax: 086 661 4064  
E-mail: john.geeringh@eskom.co.za



---

**From:** Projects [mailto:Projects@arcusconsulting.co.za]  
**Sent:** 26 September 2019 09:03 AM  
**To:** Projects  
**Subject:** Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process

Dear Interested and Affected Party

**Notice is hereby given of a Public Participation Process (PPP) to be undertaken in terms of the National Environmental Management Act, 1998 (Act No. 107 of 1998), as amended.**

The Draft Basic Assessment and Amendment Reports for the San Kraal and Phezukomoya Wind Energy Facility (WEF) and Grid Connection is available for public comment and review.

**The following is available for public review:**

- Volume I - Draft Basic Assessment Report (BAR) for the Grid Connection and associated infrastructure, Eastern and Northern Cape Province
- Volume II - Specialist Impact Assessment Reports

Volume I - San Kraal Wind Energy Facility Environmental Authorisation (EA) Amendment, Eastern and Northern Cape Province

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Volume II - Specialist Amendments Reports

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Volume II - Specialist Amendments Reports

Volume I - Hartebeesthoek West Wind Energy Facility EA Amendment, Eastern and Northern Cape Province

Volume II - Specialist Amendments Reports

The **Draft Basic Assessment Report** and the **four Draft EA Amendment Reports** are available for public review and comment for 30 days from the **26 September 2019** to the **25 October 2019 (both days inclusive)**, at the Noupport Library, and website: [www.arcusconsulting.co.za](http://www.arcusconsulting.co.za).

Please find attached a letter with further information regarding the availability of the San Kraal and Phezukomoya WEF Amendments and Grid Connection Basic Assessment Reports.

Kind Regards

**Aneesah Alwie**

Public Participation Assistant, South Africa

---

Tel: +27 (0) 21 412 1529

Email: [projects@arcusconsulting.co.za](mailto:projects@arcusconsulting.co.za)

**Arcus Consultancy Services South Africa (Pty) Ltd**

Office 220 Cube Workspace

Cnr Long Street and Hans Strijdom Ave

Cape Town

8001

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## Eskom requirements for work at or near Eskom infrastructure.


1. Eskom's rights and services must be acknowledged and respected at all times.
2. Eskom shall at all times retain unobstructed access to and egress from its servitudes.
3. Eskom's consent does not relieve the developer from obtaining the necessary statutory, land owner or municipal approvals.
4. Any cost incurred by Eskom as a result of non-compliance to any relevant environmental legislation will be charged to the developer.
5. If Eskom has to incur any expenditure in order to comply with statutory clearances or other regulations as a result of the developer's activities or because of the presence of his equipment or installation within the servitude restriction area, the developer shall pay such costs to Eskom on demand.
6. The use of explosives of any type within 500 metres of Eskom's services shall only occur with Eskom's previous written permission. If such permission is granted the developer must give at least fourteen working days prior notice of the commencement of blasting. This allows time for arrangements to be made for supervision and/or precautionary instructions to be issued in terms of the blasting process. It is advisable to make application separately in this regard.
7. Changes in ground level may not infringe statutory ground to conductor clearances or statutory visibility clearances. After any changes in ground level, the surface shall be rehabilitated and stabilised so as to prevent erosion. The measures taken shall be to Eskom's satisfaction.
8. Eskom shall not be liable for the death of or injury to any person or for the loss of or damage to any property whether as a result of the encroachment or of the use of the servitude area by the developer, his/her agent, contractors, employees, successors in title, and assignees. The developer indemnifies Eskom against loss, claims or damages including claims pertaining to consequential damages by third parties and whether as a result of damage to or interruption of or interference with Eskom's services or apparatus or otherwise. Eskom will not be held responsible for damage to the developer's equipment.
9. No mechanical equipment, including mechanical excavators or high lifting machinery, shall be used in the vicinity of Eskom's apparatus and/or services, without prior written permission having been granted by Eskom. If such permission is granted the developer must give at least seven working days' notice prior to the commencement of work. This allows time for arrangements to be made for supervision and/or precautionary instructions to be issued by the relevant Eskom Manager

Note: Where and electrical outage is required, at least fourteen work days are required to arrange it.

10. Eskom's rights and duties in the servitude shall be accepted as having prior right at all times and shall not be obstructed or interfered with.
11. Under no circumstances shall rubble, earth or other material be dumped within the servitude restriction area. The developer shall maintain the area concerned to Eskom's satisfaction. The developer shall be liable to Eskom for the cost of any remedial action which has to be carried out by Eskom.
12. The clearances between Eskom's live electrical equipment and the proposed construction work shall be observed as stipulated by *Regulation 15 of the Electrical Machinery Regulations of the Occupational Health and Safety Act, 1993 (Act 85 of 1993)*.
13. Equipment shall be regarded electrically live and therefore dangerous at all times.
14. In spite of the restrictions stipulated by Regulation 15 of the Electrical Machinery Regulations of the Occupational Health and Safety Act, 1993 (Act 85 of 1993), as an additional safety precaution, Eskom will not approve the erection of houses, or structures occupied or frequented by human beings, under the power lines or within the servitude restriction area.
15. Eskom may stipulate any additional requirements to highlight any possible exposure to Customers or Public to coming into contact or be exposed to any dangers of Eskom plant.
16. It is required of the developer to familiarise himself with all safety hazards related to Electrical plant.
17. Any third party servitudes encroaching on Eskom servitudes shall be registered against Eskom's title deed at the developer's own cost. If such a servitude is brought into being, its existence should be endorsed on the Eskom servitude deed concerned, while the third party's servitude deed must also include the rights of the affected Eskom servitude.

John Geeringh (Pr Sci Nat)

Senior Consultant Environmental Management  
Eskom GC: Land Development

	<b>SCOT</b>	<b>Technology</b>
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**Title: Renewable Energy Generation Plant Setbacks to Eskom Infrastructure**

**Unique Identifier: 240-65559775**

**Alternative Reference Number: N/A**

**Area of Applicability: Power Line Engineering**




**Documentation Type: Guideline**

**Revision: 1**

**Total Pages: 9**

**Next Review Date: N/A**

**Disclosure Classification: CONTROLLED DISCLOSURE**

Compiled by	Approved by	Authorised by
		
<b>J W Chetty</b> <b>Mechanical Engineer</b>	<b>B Ntshuntsha</b> <b>Chief Engineer (Lines)</b>	<b>R A Vajeth</b> <b>Snr Manager (Lines) and</b> <b>SCOT/SCI Chairperson</b>
<b>Date: 23/11/2018</b>	<b>Date: 24/11/2018</b>	<b>Date: 16/11/2018</b>

PCM Reference: 240-65132732 **LINE ENGINEERING SERVICES**  
 SCOT Study Committee Number/Name : **OVERHEAD LINES**

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## **EXECUTIVE SUMMARY**

In recent decades, the use of wind turbines, concentrated solar plants and photovoltaic plants have been on the increase as it serves as an abundant source of energy. This document specifies setbacks for wind turbines and the reasons for these setbacks from infrastructure as well as setbacks for concentrated solar plants and photovoltaic plants. Setbacks for wind turbines employed in other countries were compared and a general setback to be used by Eskom was suggested for use with wind turbines and other renewable energy generation plants.

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## **1. INTRODUCTION**

During the last few decades, a large amount of wind turbines have been installed in wind farms to accommodate for the large demand of energy and depleting fossil fuels. Wind is one of the most abundant sources of renewable energy. Wind turbines harness the energy of this renewable resource for integration in electricity networks. The extraction of wind energy is its primary function and thus the aerodynamics of the wind turbine is important. There are many different types of wind turbines which will all exhibit different wind flow characteristics. The most common wind turbine used commercially is the Horizontal Axis Wind Turbine. Wind flow characteristics of this turbine are important to analyse as it may have an effect on surrounding infrastructure.

Wind turbines also cause large turbulence downwind that may affect existing infrastructure. Debris or parts of the turbine blade, in the case of a failure, may be tossed behind the turbine and may lead to damage of infrastructure in the wake path.

This document outlines the minimum distances that need to be introduced between a wind turbine and Eskom infrastructure to ensure that debris and / or turbulence would not negatively impact on the infrastructure.

Safety distances of wind turbines from other structures as implemented by other countries were also considered and the reasons for their selection were noted.

Concentrated solar plants and photovoltaic plants setbacks away from substations were also to be considered to prevent restricting possible power line access routes to the substation.

## **2. SUPPORTING CLAUSES**

### **2.1 SCOPE**

This document provides guidance on the safe distance that a wind turbine should be located from any Eskom power line or substation. The document specifies setback distances for transmission lines (220 kV to 765 kV), distribution lines (6.6 kV to 132 kV) and all Eskom substations. Setbacks for concentrated solar plants and photovoltaic plants are also specified away from substations.

#### **2.1.1 Purpose**

Setbacks for wind turbines and power lines / substations are required for various reasons. These include possible catastrophic failure of the turbine blade that may release fragments and which may be thrown onto nearby power lines that may result in damage with associated unplanned outages. Turbulence behind the turbine may affect helicopter flight during routine Eskom live line maintenance and

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inspections that may lead to safety risk of the aircraft / personnel. Concentrated solar plants and photovoltaic plants setback away from substations were required to prevent substations from being boxed in by these renewable generation plants limiting line route access to the substations.

### 2.1.2 Applicability

This document is applicable to the siting of all new and existing wind turbines, concentrated solar plants and photovoltaic plants near power lines and substations.

## 2.2 NORMATIVE/INFORMATIVE REFERENCES

### 2.2.1 Normative

1. <http://www.envir.ee/orb.aw/class=file/action=preview/id=1170403/Hiiumaa+turbulence+impact+EMD.pdf>.
2. <http://www.energy.ca.gov/2005publications/CEC-500-2005-184/CEC-500-2005-184.PDF>
3. <http://www.adamscountywind.com/Revised%20Site/Windmills/Adams%20County%20Ordinance/Adams%20County%20Wind%20Ord.htm>
4. [http://www.dsireusa.org/incentives/incentive.cfm?Incentive\\_Code=PA11R&RE=1&EE=1](http://www.dsireusa.org/incentives/incentive.cfm?Incentive_Code=PA11R&RE=1&EE=1)
5. <http://www.wind-watch.org/documents/european-setbacks-minimum-distance-between-wind-turbines-and-habitations/>
6. <http://www.publications.parliament.uk/pa/ld201011/ldbills/017/11017.1-i.html>
7. [http://www.caw.ca/assets/pdf/Turbine\\_Safety\\_Report.pdf](http://www.caw.ca/assets/pdf/Turbine_Safety_Report.pdf)
8. Rogers J, Slegers N, Costello M. (2011) A method for defining wind turbine setback standards. Wind energy 10.1002/we.468

### 2.2.2 Informative

None

## 2.3 DEFINITIONS

Definition	Description
Setback	The minimum distance between a wind turbine and boundary line/dwelling/road/infrastructure/servitude etc.
Flicker	Effect caused when rotating wind turbine blades periodically cast shadows
Tip Height	The total height of the wind turbine ie. Hub height plus half rotor diameter (see Figure1)

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### 2.3.1 Disclosure Classification

**Controlled disclosure:** controlled disclosure to external parties (either enforced by law, or discretionary).

### 2.4 ABBREVIATIONS

Abbreviation	Description
None	

### 2.5 ROLES AND RESPONSIBILITIES

All personnel involved in the positioning wind turbines, concentrated solar plants and photovoltaic plants near power lines/substations must follow the setbacks outlined in this guideline.

### 2.6 PROCESS FOR MONITORING

Approval by Eskom in writing.

### 2.7 RELATED/SUPPORTING DOCUMENTS

None

## 3. DOCUMENT CONTENT

### 3.1 INTERNATIONAL SETBACK COMPARISON

Wind Turbine setbacks employed by various countries were considered. It was found that setbacks were determined for various reasons that include noise, flicker, turbine blade failure and wind effects. The distances (setbacks) varied based on these factors and were influenced by the type of infrastructure

Wind turbine setbacks varied for roads, power lines, dwellings, buildings and property and it was noted that the largest setbacks were employed for reasons of noise and flicker related issues [1-7]. Very few countries specified setbacks for power lines.

The literature survey [1-7], yielded information about studies and experiments were conducted to determine the distance that a broken fragment from a wind turbine might be thrown. Even though of low probability of hitting a power line [ $5.0 \times 10^{-5}$  <sup>[8]</sup>], the distances recorded were significant [750m <sup>[8]</sup>]

Setbacks were thus introduced to prevent any damage to Eskom infrastructure.

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Wind turbines may also cause changes in wind patterns with turbulent effects behind the hub. These factors dictate the wind turbine setbacks specified in this document.

Concentrated solar plants and photovoltaic plants also can limit access into the substation for power lines of all voltages. A setback distance must therefore be employed to prevent the substation from being boxed in by these generation plants. These setback distances are specified in this document.

### **3.2 ESKOM REQUIRED SETBACKS**

A formal application must be sent to and accepted by Eskom if any of the below mentioned setback distances are infringed upon:

- Eskom requires a setback distance of 3 times the tip height of the wind turbine from the edge of the closest Eskom servitude (including vacant servitudes) for transmission lines (220kV to 765kV) and Substations.
- Eskom requires a setback distance of 1 times the tip height of the wind turbine from the edge of the closest Eskom servitude (including vacant servitudes) for distribution lines (66 kV to 132 kV) and Substations.
- An application must be sent to Eskom regarding any proposed wind turbine, concentrated solar plants and photovoltaic activity within a 5 km radius of a substation for Eskom to comment on the application.
- Where concentrated solar plants and photovoltaic structures fall within a 2 km radius of the closest point of a transmission or distribution substation (66kV to 765kV), Eskom should be applied to for approval in writing during the planning phase of such plant or structures.
- Applicants must not position any wind turbine in the line of site between and two Eskom Radio Telecommunication masts. It must be proven that Eskom radio telecommunication systems (mainly microwave systems) will not be affected in any way by wind turbines.
- If the position or size of any turbine changes and subsequently infringes on any of the above stated setbacks, an application must be sent through to Eskom as per the point mentioned above.

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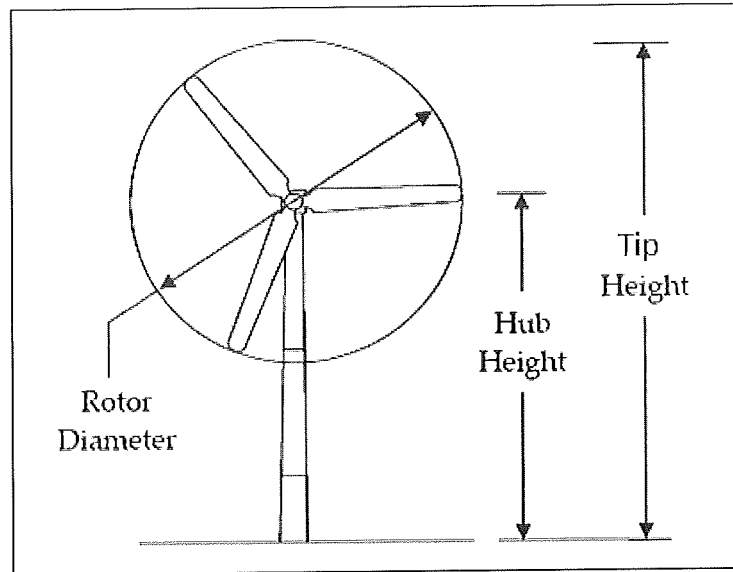


Figure 1: Horizontal Axis Wind Turbine <sup>[2]</sup>

**4. AUTHORISATION**

This document has been seen and accepted by:

Name & Surname	Designation
V Naidoo	Chief Engineer
Dr P H Pretorius	Electrical Specialist
J Geeringh	Snr Consultant Environ Mngt
B Haridass	Snr Consultant Engineer
R A Vajeth	Acting Snr Manager (Lines)

**5. REVISIONS**

Date	Rev.	Compiler	Remarks
November 2013	0	J W Chetty	First Publication - No renewable energy generation plant setback specification in existence
October 2018	1	JW Chetty	Modification to sub-section 3.2 to provide more clarity for application procedure

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## 6. DEVELOPMENT TEAM

The following people were involved in the development of this document:

Jonathan W Chetty (Mechanical Engineer)

Vivendhra Naidoo (Chief Engineer)

Dr Pieter H Pretorius (Electrical Specialist)

John Geeringh (Snr Consultant Environ Mngt)

Bharat Haridass (Snr Consultant Engineer)

Riaz A Vajeth (Acting Snr Manager (Lines))

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## Sophie Williams

---

**From:** Projects  
**Sent:** 24 October 2019 18:01  
**To:** Natasha Higgitt  
**Subject:** Re: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process

Dear Natasha,

Thank you for your email.

To provide clarity, the Phezukomoya DEA Reference Number is 14/12/16/3/3/2/1028 and 14/12/16/3/3/2/1028/AM1.

I will look into this motivation letter and correct accordingly where the incorrect reference number was used.

Thank you for checking with us.

Please do not hesitate to contact should you have any further queries.

Thank You  
Regards  
Aneesah Alwie

---

**From:** Natasha Higgitt <nhiggitt@sahra.org.za>  
**Sent:** Friday, October 18, 2019 7:18 AM  
**To:** Projects <Projects@arcusconsulting.co.za>  
**Subject:** RE: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process

Good morning,

I have begun to review the documents on each case and I have noticed something that I believe may be a typing error. The Amendment Motivation reports for Phezukomoya Split 1 and Hartebeesthoek West refer to the EA granted to the Phezukomoya WEF, but seem to provide the incorrect DEA EA number. According to the EA uploaded to the original EA application on SAHRIS (Case ID 11585), the EA ref number for Phezukomoya is 14/12/16/3/3/2/1028 and not 14/12/16/3/3/2/1029 as indicated in the Motivation reports on cases 14388 and 14387.

Please correct me if I am understanding anything incorrectly and I apologize if I have caused any alarm.

Kind regards,

---

**From:** Projects <Projects@arcusconsulting.co.za>  
**Sent:** Tuesday, October 15, 2019 1:31 PM  
**To:** Natasha Higgitt <nhiggitt@sahra.org.za>  
**Subject:** RE: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process

Dear Natasha,



The Draft Basic Assessment Report and the four Draft EA Amendment Reports were uploaded to SAHRIS and status changed to SUBMITTED.

Kind Regards

**Aneesah Alwie**

Public Participation Assistant, South Africa

---

Tel: +27 (0) 21 412 1529

Email: [projects@arcusconsulting.co.za](mailto:projects@arcusconsulting.co.za)

---

**Arcus Consultancy Services South Africa (Pty) Ltd**

Office 220 Cube Workspace

Cnr Long Street and Hans Strijdom Ave

Cape Town

8001

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[www.arcusconsulting.co.za](http://www.arcusconsulting.co.za)



---

**From:** Natasha Higgitt [mailto:[nhiggitt@sahra.org.za](mailto:nhiggitt@sahra.org.za)]

**Sent:** Friday, September 27, 2019 11:14

**To:** Projects <[Projects@arcusconsulting.co.za](mailto:Projects@arcusconsulting.co.za)>

**Subject:** RE: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process

Good afternoon,

Thank you for the notification. Please upload all documents to the relevant SAHRIS applications and change the status of the cases to SUBMITTED once completed.

Kind regards,

---

**From:** Projects <[Projects@arcusconsulting.co.za](mailto:Projects@arcusconsulting.co.za)>

**Sent:** Thursday, September 26, 2019 9:03 AM

**To:** Projects <[Projects@arcusconsulting.co.za](mailto:Projects@arcusconsulting.co.za)>

**Subject:** Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process

Dear Interested and Affected Party

**Notice is hereby given of a Public Participation Process (PPP) to be undertaken in terms of the National Environmental Management Act, 1998 (Act No. 107 of 1998), as amended.**

The Draft Basic Assessment and Amendment Reports for the San Kraal and Phezukomoya Wind Energy Facility (WEF) and Grid Connection is available for public comment and review.

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Volume I - Hartebeesthoek West Wind Energy Facility EA Amendment, Eastern and Northern Cape Province

Volume II - Specialist Amendments Reports

The **Draft Basic Assessment Report** and the **four Draft EA Amendment Reports** are available for public review and comment for 30 days from the **26 September 2019** to the **25 October 2019 (both days inclusive)**, at the Noupoot Library, and website: [www.arcusconsulting.co.za](http://www.arcusconsulting.co.za).

Please find attached a letter with further information regarding the availability of the San Kraal and Phezukomoya WEF Amendments and Grid Connection Basic Assessment Reports.

Kind Regards

**Aneesah Alwie**

Public Participation Assistant, South Africa

---

Tel: +27 (0) 21 412 1529

Email: [projects@arcusconsulting.co.za](mailto:projects@arcusconsulting.co.za)

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Office 220 Cube Workspace

Cnr Long Street and Hans Strijdom Ave

Cape Town

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**Natasha Higgitt**

Heritage Officer: Archaeology, Palaeontology and Meteorites Unit

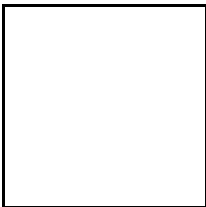
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T: +27 21 462 4502/ 8660| C:+27 82 507 0378| F:+27 21 462 4509

E: [nhiggitt@sahra.org.za](mailto:nhiggitt@sahra.org.za) | 111 Harrington Street | Cape Town |

[www.sahra.org.za](http://www.sahra.org.za)



**Natasha Higgitt**

Heritage Officer: Archaeology, Palaeontology and Meteorites Unit

South African Heritage Resources Agency

- *A nation united through heritage* -

T: +27 21 462 4502/ 8660| C:+27 82 507 0378| F:+27 21 462 4509

E: [nhiggitt@sahra.org.za](mailto:nhiggitt@sahra.org.za) | 111 Harrington Street | Cape Town |

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## Sophie Williams

---

**Subject:** FW: Phezukomoya WEF Amendments and Basic Assessment Process

---

**From:** Projects <[Projects@arcusconsulting.co.za](mailto:Projects@arcusconsulting.co.za)>  
**Sent:** 30 September 2019 12:43  
**To:** Alistair McMaster <[Alistair.McMaster@dedea.gov.za](mailto:Alistair.McMaster@dedea.gov.za)>  
**Cc:** Gerry Pienaar <[Gerry.Pienaar@dedea.gov.za](mailto:Gerry.Pienaar@dedea.gov.za)>  
**Subject:** RE: Phezukomoya WEF Amendments and Basic Assessment Process

Dear Alistair,

Thank you for your email. The proposed amendments and basic assessment process application(s) are available on the Arcus Website. Furthermore, an electronic CD copy was delivered to Mr. Gerry Pienaar, which should have been received on Wednesday, 25 September 2019.

Here is the link to the project on the Arcus website: <https://arcusconsulting.co.za/projects/proposed-san-kraal-and-phezukomoya-amendments/>

Please let me know if you have any further trouble accessing the project.

Kind Regards

**Aneesah Alwie**  
Public Participation Assistant, South Africa

---

Tel: +27 (0) 21 412 1529  
Email: [projects@arcusconsulting.co.za](mailto:projects@arcusconsulting.co.za)

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**Arcus Consultancy Services South Africa (Pty) Ltd**  
Office 220 Cube Workspace  
Cnr Long Street and Hans Strijdom Ave  
Cape Town  
8001

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[www.arcusconsulting.co.za](http://www.arcusconsulting.co.za)



---

**From:** Alistair McMaster [<mailto:Alistair.McMaster@dedea.gov.za>]  
**Sent:** Monday, September 30, 2019 10:52  
**To:** Projects <[Projects@arcusconsulting.co.za](mailto:Projects@arcusconsulting.co.za)>  
**Cc:** Gerry Pienaar <[Gerry.Pienaar@dedea.gov.za](mailto:Gerry.Pienaar@dedea.gov.za)>  
**Subject:** Phezukomoya WEF Amendments and Basic Assessment Process

Good day

In respect to the Phezukomoya WEF Amendments and Basic Assessment Process, the notification indicates that documents are available for review on your website. However, links to these documents do not appear to be obviously available on the site? Please assist with a link or the correct URL to the project documents.

Kind regards  
Alistair

Alistair McMaster  
Sustainable Energy

---

**Tel:** +27 (0)43 707 4091 | **Mobile:** +27 (0)71 865 3771 | **Em**



Province of the  
**EASTERN CAPE**

ECONOMIC DEVELOPMENT,  
ENVIRONMENTAL AFFAIRS & TOURISM

**From:** Projects  
**To:** Gerry Pienaar; Alistair McMaster  
**Subject:** RE: Phezukomoya WEF Amendments and Basic Assessment Process  
**Date:** Wednesday, October 2, 2019 10:02:00 AM  
**Attachments:** 28036430 - Gerry Pienaar Bisho.msa  
[image002.png](#)  
[image003.png](#)

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Good Morning Gerry

The courier had just advised me that when attempting to deliver the package to the address which you have provided me, i.e. Global Life Building, Bisho, they are not willing to sign for it.

Please can you confirm that the address and contact number is correct. Or please provide me with an alternate contact number for the courier to contact you once they are at the building to deliver the package.

Thank You  
Aneesah Alwie

---

**From:** Gerry Pienaar [mailto:Gerry.Pienaar@dedea.gov.za]  
**Sent:** Monday, September 30, 2019 12:45  
**To:** Projects <Projects@arcusconsulting.co.za>; Alistair McMaster <Alistair.McMaster@dedea.gov.za>  
**Subject:** RE: Phezukomoya WEF Amendments and Basic Assessment Process

CD not yet received, will have to check.

---

**From:** Projects <Projects@arcusconsulting.co.za>  
**Sent:** 30 September 2019 12:43  
**To:** Alistair McMaster <Alistair.McMaster@dedea.gov.za>  
**Cc:** Gerry Pienaar <Gerry.Pienaar@dedea.gov.za>  
**Subject:** RE: Phezukomoya WEF Amendments and Basic Assessment Process

Dear Alistair,

Thank you for your email. The proposed amendments and basic assessment process application(s) are available on the Arcus Website. Furthermore, an electronic CD copy was delivered to Mr. Gerry Pienaar, which should have been received on Wednesday, 25 September 2019.

Here is the link to the project on the Arcus website: <https://arcusconsulting.co.za/projects/proposed-san-kraal-and-phezukomoya-amendments/>

Please let me know if you have any further trouble accessing the project.

Kind Regards

**Aneesah Alwie**  
Public Participation Assistant, South Africa

Tel: +27 (0) 21 412 1529  
Email: [projects@arcusconsulting.co.za](mailto:projects@arcusconsulting.co.za)

**Arcus Consultancy Services South Africa (Pty) Ltd**  
Office 220 Cube Workspace  
Cnr Long Street and Hans Strijdom Ave  
Cape Town  
8001

[www.arcusconsulting.co.za](http://www.arcusconsulting.co.za)



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**From:** Alistair McMaster [mailto:Alistair.McMaster@dedea.gov.za]  
**Sent:** Monday, September 30, 2019 10:52  
**To:** Projects <Projects@arcusconsulting.co.za>  
**Cc:** Gerry Pienaar <Gerry.Pienaar@dedea.gov.za>  
**Subject:** Phezukomoya WEF Amendments and Basic Assessment Process

Good day

In respect to the Phezukomoya WEF Amendments and Basic Assessment Process, the notification indicates that documents are available for review on your website. However, links to these documents do not appear to be obviously available on the site? Please assist with a link or the correct URL to the project documents.

Kind regards  
Alistair

Alistair McMaster  
Sustainable Energy

---

**Tel:** +27 (0)43 707 4091 | **Mobile:** +27 (0)71 865 3771 | **Email:** [alistair.mcmaster@dedea.gov.za](mailto:alistair.mcmaster@dedea.gov.za)



Province of the  
**EASTERN CAPE**  
ECONOMIC DEVELOPMENT,  
ENVIRONMENTAL AFFAIRS & TOURISM





From: [Charlene Jones-Dennis X International](#)  
To: [Anesah Alwe](#)  
Cc: [riedwaan@xint.co.za](mailto:riedwaan@xint.co.za); "Shanton"  
Subject: 28036430 - Gerry Pienaar, Bisho  
Date: Wednesday, October 2, 2019 9:57:49 AM  
Attachments: [image001.png](#)  
Importance: High

Good day Anesa.

As per our East London office, they are not able to get hold of Gerry Pienaar to arrange for delivery and when he goes to the address, because they cant get hold of him, they refuse to sign for the package.

I was asked this morning to furnish alternative contact details to make arrangements for delivery.

Please can you assist.

Thank you.

**X International Couriers (Pty) Ltd**  
Reg No: 1485918377

LOCATION TEL FAX  
S.A. (CPT) +27 21 511 0110 +27 21 511 7077  
S.A. (JHB) +27 11 597 8332 +27 11 597 4267  
S.A. (DUR) +27 31 488 4488

28036430  
NO DELIVERIES TO A P.O. BOX

TO: RECIPIENT: **GERRY PIENAAR**  
**DEPARTMENT OF ECONOMIC DEVELOPMENT,  
ENVIRONMENTAL AFFAIRS AND TOURISM**  
**GLOBAL LIFE BUILDING**  
**BISHO, 6005**

CONTACT: TEL: CONTACT **GERRY PIENAAR** TEL: **043 606 7061**

INTERNATIONAL DOMESTIC  
COURIER DOCUMENTS  AIR FREIGHT TO DOOR  RAMP DAY  OVERNIGHT by 305000   
COURIER NOW DOC  AIR FREIGHT TO TERMINAL  OVERWRITE by 0800  AIR FREIGHT   
SALE DAY   
ROAD FREIGHT

These transit times are not applicable to regional areas

INSURANCE  VALUE

46x36x33

FULL DESCRIPTION OF CONTENTS / SPECIAL INSTRUCTIONS

SENDER: PRINT NAME **ANESAH ALWE** COLLECTED BY: **SHEPHERD** SERVICE CHARGES  
SIGNATURE *[Signature]* SIGNATURE *[Signature]* INSURANCE   
DATE: TIME: DATE: TIME: DATE: TIME: TOTAL

Signature Charlene

2

**RE: 14/12/16/3/3/2/1028/1/AM1 and 1412/16/3/3/2/1028/2/AM1**

## Projects

Tue 10/15/2019 2:11 PM

**To:** Azrah Essop <AEssop@environment.gov.za>; Ashlin Bodasing <AshlinB@arcusconsulting.co.za>; Projects <Projects@arcusconsulting.co.za>

**Cc:** EIAAdmin <EIAAdmin@environment.gov.za>; sheldon.vandrey@edf-re.co.za <sheldon.vandrey@edf-re.co.za>

 7 attachments (7 MB)

1028 Phezukomoya EA Certified Copy.pdf; 1028 Phezukomoya EA Amendment Certified Copy.pdf; Barend Pieter Erasmus.pdf; Jean Gilmer.pdf; Phezukomoya\_Letter\_of\_Consent-signed.pdf; Appendix 7\_Letter\_of\_Undertaking.pdf; Hartebeesthoek\_Letter\_of\_Consent-signed.pdf;

Good Day Azrah

**RE: 14/12/16/3/3/2/1028/1/AM1 and 1412/16/3/3/2/1028/2/AM1 – Additional Information**

The hard copy of the documents as requested in the letter(s) of acknowledgement will be delivered to your offices on Wednesday, 16 October 2019.

### **RE: ACKNOWLEDGMENT OF RECEIPT FOR PHEZUKOMOYA WIND ENERGY FACILITY**

Following submission of the application for amendment of environmental authorisation (EA) and draft amendment report for the abovementioned project on 26 September 2019, the acknowledgement of receipt letter, dated 2 October 2019, requested submission of the documents as below, please find this attached:

- Originally signed 'Letter of Consent of Signatory' and 'Letter of Undertaking' dated 26 August 2019;
- Originally certified copies of the EA and subsequent amendment; and
- The updated land owner consent in terms of "Gilroy Trust".

Kindly note that the updated land owner consent in terms of "Mrs Vivian van de Merwe" will be submitted with the final reports.

### **RE: ACKNOWLEDGMENT OF RECEIPT FOR HARTEBEESTHOEK WEST WIND ENERGY FACILITY**

Following submission of the application for amendment of environmental authorisation (EA) and draft amendment report for the abovementioned project on 26 September 2019, the acknowledgement of receipt letter, dated 2 October 2019, requested submission of the documents as below, please find this attached:

- Originally signed 'Letter of Signatory' and 'Letter of Undertaking' dated 26 August 2019;
- Originally certified copies of the EA and subsequent amendment; and
- The updated land owner consent in terms of "Barend Pieter Erasmus" and "Gilroy Trust".

Thank You.

Kind Regards

**Aneesah Alwie**

Tel: +27 (0) 21 412 1529

Email: [projects@arcusconsulting.co.za](mailto:projects@arcusconsulting.co.za)

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**Arcus Consultancy Services South Africa (Pty) Ltd**

Office 607 Cube Workspace  
Cnr Long Street and Hans Strijdom Ave  
Cape Town  
8001

---

[www.arcusconsulting.co.za](http://www.arcusconsulting.co.za)



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**From:** Azrah Essop [mailto:AEssop@environment.gov.za]

**Sent:** Wednesday, October 2, 2019 8:31

**To:** Ashlin Bodasing <AshlinB@arcusconsulting.co.za>; Projects <Projects@arcusconsulting.co.za>

**Cc:** EIAAdmin <EIAAdmin@environment.gov.za>; sheldon.vandrey@edf-re.co.za

**Subject:** 14/12/16/3/3/2/1028/1/AM1 and 1412/16/3/3/2/1028/2/AM1

Good day.

Please find herein the attached letter for the above mentioned.

I hope you find all in order.

Thank you.

**Azrah Essop**

Integrated Environmental Authorisations:

Strategic Infrastructure Development: Prioritised Infrastructure Projects

Tel: [\(012\) 399 8529](tel:(012)3998529)

Email: [AEssop@environment.gov.za](mailto:AEssop@environment.gov.za)



'Please consider the environment before you print this email'

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## environmental affairs

Department:  
Environmental Affairs  
REPUBLIC OF SOUTH AFRICA

Private Bag X 447 · PRETORIA · 0001 · Environment House · 473 Steve Biko Road, Arcadia · PRETORIA

**DEA Reference:** 14/12/16/3/3/2/1028/2/AM1

**Enquiries:** Ms Azrah Essop

**Tel:** 012 399 8529 **E-mail:** AEssop@environment.gov.za

Ashlin Bodasing  
Arcus Consultancy Services South Africa (Pty) Ltd  
Office 607, Icon Building  
Cube Work Space  
24 Hans Strijdom Avenue  
**CAPE TOWN**  
8001

**Tel:** 021 412 1529

**Email:** ashlinb@arcusconsulting.co.za / projects@arcusconsulting.co.za

### PER EMAIL

Dear Sir/Madam

**ACKNOWLEDGEMENT OF RECEIPT OF APPLICATION FOR AMENDMENT OF ENVIRONMENTAL AUTHORISATION ISSUED ON THE AUTHORISATION ISSUED ON 28 JUNE 2018 FOR THE PROPOSED 275 MW PHEZUKOMOYA WIND ENERGY FACILITY, 132KV GRID CONNECTION TRANSMISSION LINE AND ASSOCIATED INFRASTRUCTURE NEAR NOURPOORT WITHIN THE UMSOBOMVU AND INXUBA YETHEMBA LOCAL MUNICIPALITIES IN THE NORTHERN CAPE AND EASTERN CAPE PROVINCES.**

The Department confirms having received the application for amendment of environmental authorisation (EA) and draft amendment report for the abovementioned project on 26 September 2019. You have submitted these documents to comply with the Environmental Impact Assessment Regulations, 2014.

You are requested to submit the following documents via hardcopy and email (to the writer and CC EIAadmin@environment.gov.za):

- Originally signed 'Letter of Consent of Signatory' and 'Letter of Undertaking' dated 26 August 2019;
- Originally certified copies of the EA and subsequent amendment;
- Updated land owner consent in terms of "Barend Pieter Erasmus" and "Gillroy Trust", when available;
- Kindly mark the information as below for submission to the department:

*14/12/16/3/3/2/1028/2/AM1– Additional Information*

*Attention: Azrah Essop: Integrated Environmental Authorisations*

*Department of Environmental Affairs*

*Private Bag X447*

*Pretoria*

*0001*

Please note that your application for amendment of environmental authorisation falls within the ambit of amendments to be applied for in terms of Part 2 of Chapter 5 of the Environmental Impact Assessment Regulations (2014). You are therefore referred to regulation 32.

**You are also advised that the Public Participation Process must be conducted as outlined in Chapter 6 of the EIA Regulations, 2014, as amended.**

All documentation delivered to the physical address contained in this form must be delivered during the official Departmental Office Hours which is visible on the Departmental gate. EIA related documents (includes application forms, reports or any EIA related submissions) that are faxed; emailed; delivered to Security or placed in the Departmental Tender Box will not be accepted.

Yours sincerely



**Mr Sabelo Malaza**

**Chief Director: Integrated Environmental Authorisations**

**Department of Environmental Affairs:**

**Letter signed by: Ms Azrah Essop**

**Designation: Environmental Officer: Prioritised Infrastructure Projects**

**Date: 2 October 2019**

CC: Sheldon Vandrey

Hartebeesthoek Wind Power (Pty) Ltd

Email: Sheldon.vandrey@edf-re.co.za



26 August 2019

To : Department of Environmental Affairs  
473 Steve Biko Road,  
Arcadia  
Private Bag X 447  
Pretoria  
0001

Dear Sir/Madam,

**LETTER OF CONSENT OF SIGNATORY**

I, Louis Dewavrin, hereby confirm that Hartebeesthoek Wind Power (Pty) Ltd, Registration no. 2019/070085/07 is a wholly owned subsidiary of EDF Renewable (Pty) Ltd, Registration No. 2008/004442/07. I also confirm that Sheldon Vandrey has the authority to act as a signatory on behalf of Hartebeesthoek Wind Power (Pty) Ltd.

Should you require any additional information, please feel free to contact me. I appreciate your time on this matter.

I trust that the above is in order.

Yours sincerely,

A handwritten signature in black ink, appearing to read "LD", written over a horizontal line.

---

Louis Dewavrin  
Head of Development

Tel: +27 (0)41 506 4900  
Mobile: +27 (0) 71 917 0452  
Email: [louis.dewavrin@edf-re.co.za](mailto:louis.dewavrin@edf-re.co.za)



## environmental affairs

Department:  
Environmental Affairs  
REPUBLIC OF SOUTH AFRICA

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

DEA Reference: 14/12/16/3/3/2/1028

Enquiries: Ms Thabile Sangweni

Telephone: (012) 399 9409 E-mail: TSangweni@environment.gov.za

Mr Louis Dewavrin  
Phezukomoya Wind Power (Pty) Ltd  
PO Box 71664  
PORT ELIZABETH  
6001

Telephone Number: (041) 506 4910  
Email Address: ldewavrin@innowind.co



26 Aug 2019  
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OF THE ORIGINAL

### PER E-MAIL / MAIL

Dear Mr Dewavrin

### APPLICATION FOR ENVIRONMENTAL AUTHORISATION IN TERMS OF THE NATIONAL ENVIRONMENTAL MANAGEMENT ACT, 1998: GN R. 983/984/985 FOR THE 275MW PHEZUKOMOYA WIND ENERGY FACILITY, 132KV GRID CONNECTION TRANSMISSION LINE AND ASSOCIATED INFRASTRUCTURE NEAR NOUPOORT WITHIN THE UMSOBOMVU AND INXUBA YETHEMBA LOCAL MUNICIPALITIES IN THE NORTHERN CAPE AND EASTERN CAPE PROVINCES

With reference to the above application, please be advised that the Department has decided to grant an Environmental Authorisation (EA) to you. The Environmental Authorisation and reasons for the decision are attached herewith.

In terms of Regulation 4(2) of the National Environmental Management Act (NEMA): the Environmental Impact Assessment Regulations, 2014, as amended (the EIA Regulations), you are instructed to notify all registered interested and affected parties (I&APs), in writing within 14 (fourteen) days of the date of this EA, of the Department's decision as well as the provisions regarding the submission of appeals that are contained in the Regulations.

In terms of the Promotion of Administrative Justice Act, 2000 (Act No 3 of 2000), you are entitled to the right to fair, lawful and reasonable administrative action; and to written reasons for administrative action that affects you negatively. Further your attention is drawn to the provisions of the Protection of Personal Information Act, 2013 (Act no. 4 of 2013) which stipulates that the Department should conduct itself in a responsible manner when collecting, processing, storing and sharing an individual or another entity's personal information by holding the Department accountable should the Department abuses or compromises your personal information in any way.

Your attention is drawn to Chapter 2 of National Environmental Management Act, 1998 (Act No. 107 of 1998) National Appeal Regulations published under Government Notice R993 in Government Gazette No. 38303 dated 08 December 2014 (National Appeal Regulations, 2014), which prescribe the appeal procedure to be followed. Kindly include a copy of this document (National Appeal Regulations, 2014) with the letter of notification to interested and affected parties in this matter.



Should any person wish to lodge an appeal against this decision, he/she must submit the appeal to the appeal administrator, and a copy of the appeal to the applicant, any registered interested and affected party, and any organ of state with interest in the matter within 20 days from the date that the notification of the decision was sent to the registered interested and affected parties by the applicant; or the date that the notification of the decision was sent to the applicant by the Department, whichever is applicable.

**Appeals must be submitted in writing in the prescribed form to:**

The Director: Appeals and Legal Review of this Department at the below mentioned addresses.

By email: [appealsdirector@environment.gov.za](mailto:appealsdirector@environment.gov.za);

By hand: Environment House  
473 Steve Biko Street  
Arcadia  
Pretoria  
0083; or

By post: Private Bag X447  
Pretoria  
0001

COMMISSIONER OF OATHS (RSA)  
JAN LODEWIKUS WESSELS  
EX OFFICIO - PROFESSIONAL ACCOUNTANT (SA)  
SAIPA REGISTRATION NUMBER - 33041  
1 OAKDALE ROAD, NEWLANDS, CAPE TOWN  
REPUBLIC OF SOUTH AFRICA

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Please note that in terms of Section 43(7) of the NEMA, the lodging of an appeal will suspend the environmental authorisation or any provision or condition attached thereto. In the instance where an appeal is lodged, you may not commence with any activity authorised in the EA until such time that the appeal is finalised.

To obtain the prescribed appeal form and for guidance on the submission of appeals, please visit the Department's website at [https://www.environment.gov.za/documents/forms#legal authorisations](https://www.environment.gov.za/documents/forms#legal%20authorisations) or request a copy of the documents at [appealsdirector@environment.gov.za](mailto:appealsdirector@environment.gov.za).

Yours faithfully



**MF Vusi Skosana**  
**Acting Chief Director: Integrated Environmental Authorisations**  
**Department of Environmental Affairs**

Date: 28/06/2018

cc: A Bodasing	Arcus Consultancy	Email: <a href="mailto:ashlinb@arcusconsulting.co.za">ashlinb@arcusconsulting.co.za</a>
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**environmental affairs**

Department:  
Environmental Affairs  
REPUBLIC OF SOUTH AFRICA

COMMISSIONER OF OATHS (RSA)  
JAN LODEWIKUS WESSELS  
EX OFFICIO - PROFESSIONAL ACCOUNTANT (SA)  
SAIPA REGISTRATION NUMBER - 33041  
1 OAKDALE ROAD, NEWLANDS, CAPE TOWN  
REPUBLIC OF SOUTH AFRICA

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26 Aug 2019

# Environmental Authorisation

In terms of Regulation 25 of the Environmental Impact Assessment Regulations, 2014

**The 275MW Phezukomoya Wind Energy Facility (WEF), 132kV grid connection transmission line and associated infrastructure near Noupoort within the Umsobomvu and Inxuba Yethemba Local Municipalities in the Northern Cape and Eastern Cape Provinces**

**Pixley ka Seme and Chris Hani District Municipalities**

<b>Authorisation register number:</b>	<b>14/12/16/3/3/2/1028</b>
<b>Last amended:</b>	<b>First issue</b>
<b>Holder of authorisation:</b>	<b>Phezukomoya Wind Power (Pty) Ltd</b>
<b>Location of activity:</b>	<b>Kleinfontein (RE/ 117; 1/117); Edendale (12/1; RE/ 13/1; 21/1; De Rust (2/1; 3/1; 11/1; 18/1, 2); Hartebeeshoek (RE/ 182; 47/ 182); Winterhoek (RE/ 118); Bergplaas (RE/ 135; RE/ 136); Umsobomvu Local Municipality; Inxuba Yethemba Local Municipality; Pixley ka Seme District Municipality; Chris Hani District Municipality; Northern Cape Province; Eastern Cape Province</b>

This authorisation does not negate the holder of the authorisation's responsibility to comply with any other statutory requirements that may be applicable to the undertaking of the activity.

## Decision

The Department is satisfied, on the basis of information available to it and subject to compliance with the conditions of this environmental authorisation, that the applicant should be authorised to undertake the activities specified below.

Non-compliance with a condition of this environmental authorisation may result in criminal prosecution or other actions provided for in the National Environmental Management Act, 1998 and the EIA regulations.

Details regarding the basis on which the Department reached this decision are set out in Annexure 1.

## Activities authorised

By virtue of the powers conferred on it by the National Environmental Management Act, 1998 (Act No. 107 of 1998) and the Environmental Impact Assessment Regulations, 2014 the Department hereby authorises –

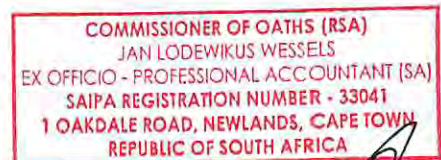
### **PHEZUKOMOYA WIND POWER (PTY) LTD**

(hereafter referred to as the holder of the authorisation)

with the following contact details –

Mr Louis Dewavrin  
Phezukomoya Wind Power (Pty) Ltd  
PO Box 71664  
**PORT ELIZABETH**  
6001

Telephone Number: (041) 506 4910  
Cell phone Number: (071) 917 0452  
Fax Number: (041) 585 1325  
Email Address: ldewavrin@innowind.co




26 Aug 2019  
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to undertake the following activities (hereafter referred to as "the activity") indicated in Listing Notice 1, Listing Notice 2 and Listing Notice 3 as amended (GN R. 983, 984 and 985 as amended):

Activity number	Activity description
<p><b>GN R. 983 Item 11:</b></p> <p><i>"The development of facilities or infrastructure for the transmission and distribution of electricity –</i></p> <p><i>(i) outside urban areas or industrial complexes with a capacity of more than 33 but less than 275 kV."</i></p>	<p>The WEF will require transmission lines in order to connect to the grid. Electrical reticulation will be installed to transfer electricity from the turbines to an on-site substation. Cables will be installed underground where feasible.</p>
<p><b>GN R. 983 Item 14:</b></p> <p><i>"The development and related operation of facilities or infrastructure, for the storage, or for the storage and handling, of a dangerous good, where such storage occurs in containers with a combined capacity of 80 cubic meters or more but not exceeding 500 cubic meters."</i></p>	<p>Estimated volume of hazardous materials stored on site over a period of 24 months will be 176.64m<sup>3</sup> for the construction phase and 197.62m<sup>3</sup> for the operational phase.</p>
<p><b>GN R. 983 Item 19:</b></p> <p><i>"The infilling or depositing of any material of more than 10 cubic metres into, or the dredging, excavation, removal or moving of soil, sand, shells, shell grit, pebbles or rock of more than 10 cubic metres from a watercourse."</i></p>	<p>The construction of the WEF would likely include the excavation of soil in watercourses/drainage line areas, and infilling/deposition may exceed 5 cubic metres and in some instances may exceed 10 cubic metres. The construction of associated infrastructure, such as access tracks crossing watercourses may require excavation and/or infilling of watercourse areas.</p>
<p><b>GN R. 983 Item 24:</b></p> <p><i>"The development of a road—</i></p> <p><i>(ii) with a reserve wider than 13,5 meters, or where no reserve exists where the road is wider than 8 metres."</i></p>	<p>Access roads will be required between turbines. These roads will be unsealed and will likely be between 8 - 14m in width. The roads will be up to 14m wide during construction, but will be reduced during operation.</p>
<p><b>GN R. 983 Item 56:</b></p> <p><i>"The widening of a road by more than 6 metres, or the lengthening of a road by more than 1 kilometre—</i></p>	<p>Existing farm access roads may need to be widened or lengthened. These roads would currently have no</p>

COMMISSIONER OF OATHS (RSA)  
 JAN LODEWIKUS WESSELS  
 EX OFFICIO - PROFESSIONAL ACCOUNTANT (SA)  
 SAIPA REGISTRATION NUMBER - 33041  
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 26 Aug 2019  
 15

Department of Environmental Affairs  
Environmental Authorisation Reg. No. 14/12/16/3/3/2/1028


<p>(ii) <i>where no reserve exists, where the existing road is wider than 8 metres; excluding where widening or lengthening occur inside urban areas.</i></p>	<p>road reserve and may be wider than 8 meters in some areas.</p>
<p><b>GN R. 984 Item 1:</b> <i>"The development of facilities or infrastructure for the generation of electricity from a renewable resource where the electricity output is 20 megawatts or more."</i></p>	<p>The Phezukomoya WEF will consist of a number of wind turbines for electricity generation of more than 20 megawatts (up to 275 MW).</p>
<p><b>GN R. 984 Item 6:</b> <i>"The development of facilities or infrastructure for any process or activity which requires a permit or licence or an amended permit or licence in terms of national or provincial legislation governing the generation or release of emissions, pollution or effluent."</i></p>	<p>The construction of the WEF may require a Water Use License in terms of the National Water Act, 1998 (Act No. 36 of 1998).</p>
<p><b>GN R. 984 Item 9:</b> <i>"The development of facilities or infrastructure for the transmission and distribution of electricity with a capacity of 275 kilovolts or more, outside an urban area or industrial complex."</i></p>	<p>The construction of a 132/400kV substation yard at the proposed Umsobomvu Substation.</p>
<p><b>GN R. 984 Item 15:</b> <i>"The clearance of an area of 20 hectares or more of indigenous vegetation, excluding where such clearance of indigenous vegetation is required for –</i> <i>(i) The undertaking of a linear activity;</i> <i>(ii) Maintenance purposes undertaken in accordance with a maintenance management plan"</i></p>	<p>The construction of the WEF will require the clearance of approximately 150 hectares of vegetation in total across the site.</p>
<p><b>GN R. 985 Item 4:</b> <i>"The development of a road wider than 4 metres with a reserve less than 13, 5 metres.</i> <b>g. <u>Northern Cape:</u></b> <b>Outside urban areas:</b> <b>(bb) National Protected Area Expansion Strategy</b> <b>Focus areas;</b></p>	<p>Internal and external access roads will be constructed, which are wider than 4m. The site falls outside of an urban area and parts of the site fall within a NPAESF Critical Biodiversity Area in the Northern Cape.</p>

COMMISSIONER OF OATHS (RSA)  
JAN LOBEWIKUS WESSELS  
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26 Aug 2019

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<p><i>(ee) Critical biodiversity areas as identified in systematic biodiversity plans adopted by the competent authority or in bioregional plans."</i></p>	
<p><b>GN R. 985 Item 12:</b>  <i>"The clearance of an area of 300 square metres or more of indigenous vegetation except where such clearance of indigenous vegetation is required for maintenance purposes undertaken in accordance with a maintenance management plan.</i></p> <p><b>g. Northern Cape:</b></p> <p><i>ii. Within critical biodiversity areas identified in bioregional plans."</i></p>	<p>The development will require the clearance of natural vegetation in excess of 300m<sup>2</sup> in areas of natural vegetation. A portion of the WEF is located within a Critical Biodiversity Area in the Northern Cape.</p>
<p><b>GN R. 985 Item 18:</b>  <i>"The widening of a road by more than 4 metres, or the lengthening of a road by more than 1 kilometre.</i></p> <p><b>g. Northern Cape:</b></p> <p><i>ii. Outside urban areas;</i></p> <p><i>(bb) National Protected Area Expansion Strategy</i>  <i>Focus areas;</i></p> <p><i>(ee) Critical Biodiversity Areas in systematic biodiversity plans adopted by the competent authority or in bioregional plans."</i></p>	<p>Existing farm roads may need to be widened or lengthened. The site lies outside urban areas, and contains NPAESF and CBAs in the Northern Cape section.</p> <div data-bbox="1082 1059 1513 1216" style="border: 1px solid red; padding: 5px; margin: 10px auto; width: fit-content;"> <p style="text-align: center; font-size: small;">COMMISSIONER OF OATHS (RSA)              JAN LODEWIKUS WESSELS              EX OFFICIO - PROFESSIONAL ACCOUNTANT (SA)              SAIPA REGISTRATION NUMBER - 33041              1 OAKDALE ROAD, NEWLANDS, CAPE TOWN              REPUBLIC OF SOUTH AFRICA</p> </div> <p style="text-align: center; margin-top: 10px;">26 Aug 2019              CERTIFIED A TRUE COPY              OF THE ORIGINAL</p> 

as described in the Environmental Impact Assessment Report (EIAR) dated March 2018 at:

Alternative (WEF preferred site)	Latitude	Longitude
North-West Corner	-31.1759	24.88607
North-East Corner	-31.20629	24.98597
South-West Corner	-31.3217	24.83593
South-East Corner	-31.28262	25.05602
Substation location (centre point)	-31.25053	24.92819

<b>Construction camp/laydown area</b>	-31.21531	24.90027
<b>Preferred powerline route (preferred alternative)</b>		
Start	-31.35427	24.82516
Middle	-31.30298	24.87821
End	-31.25263	24.92765
<b>Access to site</b>	-31.19549	24.87742
<b>Access to site</b>	-31.19526	24.96146


- for the proposed 275MW Phezukomoya WEF and associated infrastructure including electrical grid connection located south of the town of Noupoort, within the Umsobomvu Local Municipality in the Northern Cape Province, and a small portion within the Inxuba Yethemba Local Municipality in the Eastern Cape Province, hereafter referred to as "the property".

The facility will comprise the following:

- A maximum generating capacity of 275MW in total;
- 55 turbines with a generation capacity between 3 – 5MW and a rotor diameter of 150m, a hub height of 150m and blade length of 75m (all maximums);
- Foundations (25 x 25m) and hardstands associated with the wind turbines;
- Internal access roads of between 8m (during operation) and 14m (during construction) wide to each turbine;
- Medium voltage underground cabling between turbines and the on-site switching stations (each 10000m<sup>2</sup>), to be laid underground where technically feasible;
- Two overhead medium voltage cables between the on-site switching stations and on-site substation (approximately 3km and 5.6km in length) and between turbine rows where necessary;
- An on-site sub-station & OMS complex (180000m<sup>2</sup>) to facilitate stepping up the voltage from medium to high voltage (132kV) to enable the connection of the WEF to the national grid;
- A 16km 132kV high voltage overhead powerline from the on-site substation to the proposed Umsobomvu Substation to the national grid;
- A 100m corridor surrounding the Umsobomvu Substation so that the grid connection can turn into the substation from any direction;
- Temporary infrastructure including a construction camp with batching plant (90000m<sup>2</sup>); and
- A laydown area approximately 7500m<sup>2</sup> in extent, per turbine.

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**Technical details of the WEF:**

Component	Description/ Dimensions
Location of the site	Approximately 6km south-east of the town of Noupoort
Farm and SG Codes	» RE/118: C03000000000011800000 » RE/1/1: C048000000000000100001 » 18/1: C048000000000000100018 » RE/11/1: C04800000000000100011 » 3/1: C04800000000000100003 » 2/11: C04800000000001100002 » 2: C04800000000000200000 » 12/1: C04800000000000100012 » 21/1: C04800000000000100021 » RE/13/1: C04800000000000100013 » RE/117: C03000000000011700000 » RE/1/117: C03000000000011700001 » 47/182: C02100000000018200047 » RE/182: C02100000000018200000 » 15/182: C02100000000018200015 » RE/13: C04800000000001300000 » RE/181: C02100000000018100000
Site access	-31.195496°; 24.877421° and -31.195269°, 24.961468°
Export capacity	275MW
Proposed technology	Wind turbines
Number of Turbines	55
Hub height from ground level	150m
Rotor diameter	150m
Width and length of internal roads	Internal roads width: Up to 14m during construction and up to 8m during operation Internal roads length: Approximately 58km

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**Technical details for the proposed powerline:**

Component	Description/ Dimensions
Location of the site	Approximately 7 - 21km south of Noupoort
Length	Approximately 16km
Farm and SG Codes	Farm 21/1 Edendale C0480000000000100021 Farm 13/1 Edendale C0480000000000100013 Farm RE/1/1 Vrede C0480000000000100001 Farm RE/118 Winterhoek C03000000000011800000 Farm RE/135 Bergplaas C03000000000013500000 Farm RE/136 Bergplaas C03000000000013600000
Preferred site access	Existing gravel road off the N9 at -31.27279 24.9389
Export capacity	132kV
Proposed technology	Eskom specifications (concrete or steel monopole or lattice towers)
Height of poles	A max of 30m
Width and length of required servitude	34m in width and 16km in length

**Conditions of this Environmental Authorisation**

**Scope of authorisation**

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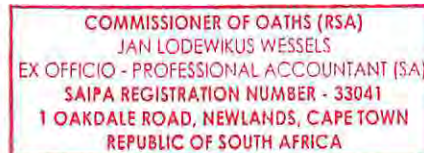
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1. The construction of the Phezukomoya Wind Energy Facility, 132kV grid connection transmission line and associated infrastructure with a maximum output capacity of 275MW as described above is hereby approved.
2. The occupants of the accommodation at S31.210196°, E24.896746° must be accommodated in alternative suitable accommodation on the farm before construction commences.
3. Authorisation of the activity is subject to the conditions contained in this environmental authorisation, which form part of the environmental authorisation and are binding on the holder of the authorisation.
4. The holder of the authorisation is responsible for ensuring compliance with the conditions contained in this environmental authorisation. This includes any person acting on the holder's behalf, including but not limited to, an agent, servant, contractor, sub-contractor, employee, consultant or person rendering a service to the holder of the authorisation.

5. The activities authorised may only be carried out at the property as described above.
6. Any changes to, or deviations from, the project description set out in this environmental authorisation must be approved, in writing, by the Department before such changes or deviations may be effected. In assessing whether to grant such approval or not, the Department may request such information as it deems necessary to evaluate the significance and impacts of such changes or deviations and it may be necessary for the holder of the authorisation to apply for further environmental authorisation in terms of the regulations.
7. The holder of an environmental authorisation must apply for an amendment of the environmental authorisation with the competent authority for any alienation, transfer or change of ownership rights in the property on which the activity is to take place.
8. This activity must commence within a period of five (05) years from the date of issue of this environmental authorisation. If commencement of the activity does not occur within that period, the authorisation lapses and a new application for environmental authorisation must be made in order for the activity to be undertaken.
9. Commencement with one activity listed in terms of this environmental authorisation constitutes commencement of all authorised activities.

**Notification of authorisation and right to appeal**



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10. The holder of the authorisation must notify every registered interested and affected party, in writing and within 14 (fourteen) calendar days of the date of this environmental authorisation, of the decision to authorise the activity.
11. The notification referred to must –
  - 11.1. specify the date on which the authorisation was issued;
  - 11.2. inform the interested and affected party of the appeal procedure provided for in the National Appeal Regulations, 2014;
  - 11.3. advise the interested and affected party that a copy of the authorisation will be furnished on request; and
  - 11.4. give the reasons of the competent authority for the decision.
12. The holder of the authorisation must publish a notice –
  - 12.1. informing interested and affected parties of the decision;
  - 12.2. informing interested and affected parties where the decision can be accessed; and
  - 12.3. drawing the attention of interested and affected parties to the fact that an appeal may be lodged against this decision in terms of the National Appeal Regulations, 2014.

### Commencement of the activity

13. The authorised activity shall not commence until the period for the submission of appeals has lapsed as per the National Appeal Regulations, 2014. In terms of section 43(7), an appeal under section 43 of the National Environmental Management Act, 1998 will suspend the environmental authorisation or any provision or condition attached thereto. In the instance where an appeal is lodged you may not commence with the activity until such time that the appeal has been finalised.

### Management of the activity

14. A copy of the final site layout map must be made available for comments by registered Interested and Affected Parties and the holder of this environmental authorisation must consider such comments. Once amended, the final development layout map must be submitted to the Department for written approval prior to commencement of the activity. All available biodiversity information must be used in the finalisation of the layout map. Existing infrastructure must be used as far as possible e.g. roads. The layout map must indicate the following:

- 14.1. Cable routes (where they are not along internal roads);
- 14.2. Position of wind turbines and associated infrastructure;
- 14.3. Internal roads indicating width;
- 14.4. Wetlands, drainage lines, rivers, stream and water crossing of roads and cables;
- 14.5. All sensitive features e.g. Critical Biodiversity Areas, Ecological Support Areas, heritage sites, wetlands, pans and drainage channels that will be affected by the facility and associated infrastructure;
- 14.6. Substation(s) inverters and/or transformer(s) sites including their entire footprint;
- 14.7. Connection routes (including pylon positions) to the distribution/transmission network;
- 14.8. All existing infrastructure on the site, such as roads;
- 14.9. Soil heaps (temporary for topsoil and subsoil and permanently for excess material);
- 14.10. Buildings, including accommodation; and,
- 14.11. All "no-go" and buffer areas.



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15. Furthermore, a shapefile of the approved development layout/footprint must be submitted to this Department within two months from the date of this decision. The shapefile must be created using the Hartebeesthoek 94 Datum and the data should be in Decimal Degree Format using the WGS 84 Spheroid. The shapefile must include at a minimum the following extensions i.e. .shp; .shx; .dbf; .prj; and, .xml (Metadata file). If specific symbology was assigned to the file, then the .avl and/or the .lyr file must also

be included. Data must be mapped at a scale of 1:10 000 (please specify if an alternative scale was used). The metadata must include a description of the base data used for digitizing. The shapefile must be submitted in a zip file using the EIA application reference number as the title. The shape file must be submitted to:

**Postal Address:**

Department of Environmental Affairs  
Private Bag X447  
Pretoria  
0001

**Physical address:**

Department of Environmental Affairs  
Environment House  
473 Steve Biko  
Arcadia  
Pretoria



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A handwritten signature in black ink, appearing to be a stylized name.

For Attention: Mr Muhammad Essop  
Integrated Environmental Authorisations  
Strategic Infrastructure Developments  
Telephone Number: (012) 399 9406  
Email Address: MEssop@environment.gov.za

16. The Environmental Management Programme (EMPr) submitted as part of the EIAr is not approved and must be amended to include measures as dictated by the final site lay-out map and micro-siting, and the provisions of this environmental authorisation. The EMPr must be made available for comments by registered Interested and Affected Parties and the holder of this environmental authorisation must consider such comments. Once amended, the final EMPr must be submitted to the Department for written approval prior to commencement of the activity. Once approved the EMPr must be implemented and adhered to.
17. The EMPr amendment must include the following:
  - 17.1. The requirements and conditions of this authorisation.
  - 17.2. All recommendations and mitigation measures recorded in the EIAr.

- 17.3. All mitigation measures as listed in the specialist reports must be included in the EMPr and implemented.
- 17.4. The final site layout map.
- 17.5. An alien invasive management plan to be implemented during construction and operation of the facility. The plan must include mitigation measures to reduce the invasion of alien species and ensure that the continuous monitoring and removal of alien species is undertaken.
- 17.6. A plant rescue and protection plan which allows for the maximum transplant of conservation important species from areas to be transformed. This plan must be compiled by a vegetation specialist familiar with the site in consultation with the ECO and be implemented prior to commencement of the construction phase.
- 17.7. A re-vegetation and habitat rehabilitation plan to be implemented during the construction and operation of the facility. Restoration must be undertaken as soon as possible after completion of construction activities to reduce the amount of habitat converted at any one time and to speed up the recovery to natural habitats.
- 17.8. A traffic management plan for the site access roads to ensure that no hazards would result from the increased truck traffic and that traffic flow would not be adversely impacted. This plan must include measures to minimize impacts on local commuters e.g. limiting construction vehicles travelling on public roadways during the morning and late afternoon commute time and avoid using roads through densely populated built-up areas so as not to disturb existing retail and commercial operations.
- 17.9. A construction and operational avifauna and bat monitoring plan.
- 17.10. A conservation management plan must be drafted and submitted to SAHRA for review and comment. The management plan, as recommended by SAHRA must be included in the final EMPr.
- 17.11. A storm water management plan to be implemented during the construction and operation of the facility. The plan must ensure compliance with applicable regulations and prevent off-site migration of contaminated storm water or increased soil erosion. The plan must include the construction of appropriate design measures that allow surface and subsurface movement of water along drainage lines so as not to impede natural surface and subsurface flows. Drainage measures must promote the dissipation of storm water run-off.
- 17.12. An erosion management plan for monitoring and rehabilitating erosion events associated with the facility. Appropriate erosion mitigation must form part of this plan to prevent and reduce the risk of any potential erosion.

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- 17.13. An effective monitoring system to detect any leakage or spillage of all hazardous substances during their transportation, handling, use and storage. This must include precautionary measures to limit the possibility of oil and other toxic liquids from entering the soil or storm water systems.
- 17.14. A fire management plan to be implemented during the construction and operational phases.
- 17.15. Measures to protect hydrological features such as streams, rivers, pans, wetlands, dams and their catchments, and other environmental sensitive areas from construction impacts including the direct or indirect spillage of pollutants.
- 17.16. An environmental sensitivity map indicating environmental sensitive areas and features identified during the EIA process.
- 17.17. A map combining the final layout map superimposed (overlain) on the environmental sensitivity map. This map must reflect the proposed location of the turbine as stated in the EIAr and this authorisation.
18. The final amended EMPr (once approved) must be implemented and strictly enforced during all phases of the project. It shall be seen as a dynamic document and shall be included in all contract documentation for all phases of the development when approved.
19. Changes to the approved EMPr must be submitted in accordance to the EIA Regulations applicable at the time.
20. The Department reserves the right to amend the approved EMPr should any impacts that were not anticipated or covered in the EIAr be discovered.

#### Frequency and process of updating the EMPr



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21. The EMPr must be updated where the findings of the environmental audit reports, contemplated in Condition 28 below, indicate insufficient mitigation of environmental impacts associated with the undertaking of the activity, or insufficient levels of compliance with the environmental authorisation or EMPr.
22. The updated EMPr must contain recommendations to rectify the shortcomings identified in the environmental audit report.
23. The updated EMPr must be submitted to the Department for approval together with the environmental audit report, as per Regulation 34 of GN R. 982. The updated EMPr must have been subjected to a public participation process, which process has been agreed to by the Department, prior to submission of the updated EMPr to the Department for approval.
24. In assessing whether to grant approval of an EMPr which has been updated as a result of an audit, the Department will consider the processes prescribed in Regulation 35 of GN R. 982. Prior to approving an

amended EMPr, the Department may request such amendments to the EMPr as it deems appropriate to ensure that the EMPr sufficiently provides for avoidance, management and mitigation of environmental impacts associated with the undertaking of the activity.

25. The holder of the authorisation must request comments on the proposed amendments to the impact management outcomes of the EMPr or amendments to the closure objectives of the closure plan from potentially interested and affected parties, including the competent authority, by using any of the methods provided for in the Act for a period of at least 30 days.

## Monitoring

26. The holder of the authorisation must appoint an experienced independent Environmental Control Officer (ECO) for the construction phase of the development that will have the responsibility to ensure that the mitigation/rehabilitation measures and recommendations referred to in this environmental authorisation are implemented and to ensure compliance with the provisions of the approved EMPr.

26.1. The ECO must be appointed before commencement of any authorised activities.

26.2. Once appointed, the name and contact details of the ECO must be submitted to the *Director: Compliance Monitoring* of the Department.

26.3. The ECO must keep record of all activities on site, problems identified, transgressions noted and a task schedule of tasks undertaken by the ECO.

26.4. The ECO must remain employed until all rehabilitation measures, as required for implementation due to construction damage, are completed and the site is ready for operation.

## Recording and reporting to the Department

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27. All documentation e.g. audit/monitoring/compliance reports and notifications, required to be submitted to the Department in terms of this environmental authorisation, must be submitted to the *Director: Compliance Monitoring* of the Department.
28. The holder of the environmental authorisation must, for the period during which the environmental authorisation and EMPr remain valid, ensure that project compliance with the conditions of the environmental authorisation and the EMPr are audited, and that the audit reports are submitted to the *Director: Compliance Monitoring* of the Department.
29. The frequency of auditing and of submission of the environmental audit reports must be as per the frequency indicated in the EMPr, taking into account the processes for such auditing as prescribed in Regulation 34 of GN R. 982.

30. The holder of the authorisation must, in addition, submit environmental audit reports to the Department within 30 days of completion of the construction phase (i.e. within 30 days of site handover) and a final environmental audit report within 30 days of completion of rehabilitation activities.
31. The environmental audit reports must be compiled in accordance with Appendix 7 of the EIA Regulations, 2014 and must indicate the date of the audit, the name of the auditor and the outcome of the audit in terms of compliance with the environmental authorisation conditions as well as the requirements of the approved EMPr.
32. Records relating to monitoring and auditing must be kept on site and made available for inspection to any relevant and competent authority in respect of this development.

#### **Notification to authorities**

33. A written notification of commencement must be given to the Department no later than fourteen (14) days prior to the commencement of the activity. Commencement for the purposes of this condition includes site preparation. The notice must include a date on which it is anticipated that the activity will commence, as well as a reference number.

#### **Operation of the activity**

34. A written notification of operation must be given to the Department no later than fourteen (14) days prior to the commencement of the activity operational phase.

#### **Site closure and decommissioning**

35. Should the activity ever cease or become redundant, the holder of the authorisation must undertake the required actions as prescribed by legislation at the time and comply with all relevant legal requirements administered by any relevant and competent authority at that time.

#### **Specific conditions**

##### Turbines position

36. Up to 55 wind turbines are approved.
37. All wind turbines must avoid all areas designated as "no-go" areas as well as their buffers.



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38. The final placement of turbines must follow a micro siting procedure involving a walk-through and identification of any sensitive areas by ecological, avifaunal, bat, surface water and heritage specialists.
39. Exclusion of sensitive ecological, avifaunal, bat, surface water and heritage areas from construction activities must inform micro siting of all development activities.
40. Should any occupied farm buildings be affected by shadow flicker, the holder of this Environmental Authorisation must provide mitigation measures to reduce the impact to an acceptable level as advised by a suitably qualified specialist.

#### Avifauna and bats

41. A 2.5km no-go buffer must be implemented around the Verreaux's Eagle nest.
42. If any priority species are confirmed to be breeding (e.g. if a nest site is found), construction activities within 500m of the breeding site must cease, and the avifaunal specialist must be contacted immediately for further assessment of the situation and instruction on how to proceed.
43. A 150m no-turbine set-back buffer zone (infrastructure is allowed) is required around the escarpment to minimise the risk of collisions for slope soaring species.
44. Turbines 7, 62 and 63 must be relocated to the top of the plateau as they pose a high collision risk on the slopes where they are situated.
45. No turbines must be constructed in no-go areas, while associated infrastructure (roads, powerlines and substations) must be avoided where possible in these areas.
46. Prior to construction, an avifaunal specialist must conduct a site walkthrough, covering the final road and powerline routes as well as the final turbine positions, to identify any nests/breeding/roosting activity of priority species, as well as any additional sensitive habitats. The results thereto must inform the final construction schedule in close proximity to that specific area, including reducing construction time, scheduling activities around avian breeding and/or movement schedules, and lowering levels of associated noise.
47. Care must be taken not to create habitat for prey species that could draw priority raptors into the area and expose them to collision risk. Rock piles must be covered with topsoil to prevent them from becoming habitat for Rock Hyrax (Dassie).
48. Curtailment must be applied from the start of operation on all turbines for every night of the year from dusk until dawn at ninety degree feathering of blades below manufacturer's cut-in speed so it is exactly parallel to the wind direction as to minimize free-wheeling blade rotation as much as possible without locking the blades.

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49. Should robust and scientifically defensible data gathered during the operational study phase reveal higher bat mortalities than currently anticipated, the mitigations in the following table must be applied to the turbines identified as causing the highest impacts.

Terms of mitigation implementation	
Peak activity (times to implement curtailment/mitigation)	1 - 31 October; sunset – 00:00 (midnight)
Environmental conditions in which to implement curtailment/mitigation	Wind speed below 7m/s and simultaneously Temperature above 14.5°C
Peak activity (times to implement curtailment/mitigation)	15 February – 31 March; sunset – 00:00 (midnight)
Environmental conditions in which to implement curtailment/mitigation	Wind speed below 6.5m/s and simultaneously Temperature above 15.5°C

50. A construction and operational avifauna and bat monitoring plan must be developed and implemented according to the latest BirdLife South Africa/Endangered Wildlife Trust: Best practice guidelines for avian monitoring and impact mitigation at proposed wind energy development sites in Southern Africa and the latest South African Bat Assessment Advisory Panel's (SABAAP) guidelines.
51. As an absolute minimum, avifauna and bat monitoring, to survey impacts resulting from the infrastructure on the bird communities with focus on assessing the displacement and disturbance effects of the development on the bird communities, as well as bird collisions and continue to gather information on the bird communities present in the area and monitor the effectiveness of the mitigation measures, must occur during the construction period and continue for at least three years during the operation of the facility. The results of this monitoring must be made available to the Department of Environmental Affairs (DEA), Birdlife South Africa (BLSA) and the South African Bat Assessment Advisory Panel (SABAAP) and must further advise the EMP where necessary.
52. The results of the pre-construction bird and bat monitoring assessments including all recommendations proposed by the reports dated March 2018, must inform the final layout and the construction schedule of the facility.
53. The facility must be designed in a manner that prevents infrastructure components from being used as perching or roosting substrates by birds and bats, as such is prohibited.
54. The holder of this environmental authorisation must restrict the construction activities to the footprint area. No access to the remainder of the property is allowed.
55. Anti-collision devices such as bird flappers must be installed where powerlines cross avifaunal corridors (e.g. grasslands, rivers, wetlands, and dams). The input of an avifaunal specialist must be obtained for

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the fitting of the anti-collision devices onto specific sections of the line once the exact positions of the towers have been surveyed and pegged. Additional areas of high sensitivity along the preferred alignment must also be identified by the avifaunal specialist for the fitment of anti-collision devices. These devices must be according to Eskom's Transmission and EWT's Guidelines.

56. A pre-construction walk through of the approved powerline alignment and turbine positions by a bat specialist, avifaunal specialist and ecologist, must be conducted to ensure that the micro-siting of the turbines, pylons and powerline alignments have the least possible impact, there are no nest sites of priority species on or close to the construction corridor and all protected plant species impacted are identified.


Vegetation, wetlands and water resources

57. No turbines must be placed within the high sensitivity areas.
58. All internal powerline/cables must follow internal access roads.
59. All powerlines linking the turbines to the onsite substation must be buried.
60. The 'no-go' areas of the development property must be clearly demarcated and must be excluded from the final layout plan.
61. An aquatic specialist must conduct an in-depth site walkover prior to the construction phase commencing, after the proposed construction footprint has been confirmed and demarcated. This is to assess the footprint for any freshwater habitats, allowing for slight alterations in the footprint, to prevent any impacts on the freshwater habitats due to the actions conducted during the construction phase.
62. Relevant permits must be obtained from relevant authorities for any removal or destruction of Threatened or Protected Species (TOPs).
63. Before the clearing of the site, the appropriate permits must be obtained from the Department of Agriculture, Forestry and Fisheries (DAFF) for the removal of plants listed in the National Forest Act and from the relevant provincial departments for the destruction of species protected in terms of the specific provincial legislation. Copies of the permits must be kept by the ECO.
64. Construction activities must be restricted to demarcated areas to restrict the impact on sensitive environmental features.
65. All areas of disturbed soil must be reclaimed using only indigenous grass and shrubs. Reclamation activities shall be undertaken according to the rehabilitation plan to be included in the final EMPr.
66. Topsoil from all excavations and construction activities must be salvaged and reapplied during reclamation.
67. No exotic plants must be used for rehabilitation purposes; only indigenous plants of the area must be utilised.



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68. No activities will be allowed to encroach into a water resource without a Water Use License being in place from the Department of Water and Sanitation.
69. Cleared alien vegetation must not be dumped on adjacent intact vegetation during clearing but must be temporarily stored in a demarcated area.
70. Removal of alien invasive species or other vegetation and follow-up procedures must be in accordance with the Conservation of Agricultural Resources Act, 1983 (Act 43 of 1983).
71. Contractors and construction workers must be clearly informed of the no-go areas.
72. Where roads pass right next to major water bodies, provisions must be made for fauna such as toads to pass under the roads by using culverts or similar structures.
73. Bridge design must be such that it minimises impact to riparian areas with minimal alterations to water flow and must allow the movement of fauna and flora.
74. The final development area should be surveyed for species suitable for search and rescue, which should be trans-located prior to the commencement of construction.
75. Electric fencing should not have any strands within 30cm of the ground, which should be sufficient to allow smaller mammals, reptiles and tortoises to pass through, but still remain effective as a security barrier.
76. Disturbed areas must be rehabilitated as soon as possible after construction with locally indigenous plants to enhance the conservation of existing natural vegetation on site.
77. Wetlands, rivers and river riparian areas must be treated as "no-go" areas and demarcated as such. No vehicles, machinery, personnel, construction material, fuel, oil, bitumen or waste must be allowed into these areas without the express permission of and supervision of the ECO, except for rehabilitation work in these areas.
78. Workers must be made aware of the importance of not destroying or damaging the vegetation along rivers and wetland areas and this awareness must be promoted throughout the construction phase.
79. Freshwater ecosystems located in close proximity to the construction areas must be inspected on a regular basis (but especially after rainfall) by the ECO for signs of disturbance, sedimentation and pollution from construction activities. If signs of disturbance, sedimentation or pollution are noted, immediate action must be taken to remedy the situation and, if necessary, a freshwater ecologist must be consulted for advice on the most suitable remediation measures.
80. No discharge of effluents or polluted water must be allowed into any rivers or wetland areas.
81. If construction areas are to be pumped of water (e.g. after rains), this water must be pumped into an appropriate settlement area, and not allowed to flow into any rivers or wetland areas.
82. Workers must be made aware of the importance of not polluting rivers or wetlands and of not undertaking activities that could result in such pollution, and this awareness must be promoted throughout the construction phase.

Roads and transportation

83. Existing road infrastructure must be used as far as possible for providing access to the proposed turbine positions. Where no road infrastructure exists, new roads must be placed within existing disturbed areas or environmental conditions must be taken into account to ensure that minimum amount of damage is caused to natural habitats.
84. Signs must be placed along construction roads to identify speed limits, travel restrictions, and other standard traffic control information. To minimize impacts on local commuters, consideration must be given to limiting construction vehicles travelling on public roadways during the morning and late afternoon commute time.
85. Internal access roads must be located to minimize stream crossings. All structures crossing streams must be located and constructed such that they do not decrease channel stability or increase water velocity.
86. A designated access to the site must be created and clearly marked to ensure safe entry and exit.
87. Signage must be erected at appropriate points warning of turning traffic and the construction site.
88. Necessary permits must be obtained for the oversized construction vehicles to transport turbine components.
89. Construction vehicles carrying materials to the site must avoid using roads through densely populated built-up areas so as not to disturb existing retail and commercial operations.
90. Signs must be placed along construction roads to identify speed limits, travel restrictions, and other standard traffic control information to minimize impacts on possible faunal species.
91. Road borders must be regularly maintained to ensure that vegetation remains short and that they therefore serve as an effective firebreak.
92. Roads must be designed such that changes to surface water runoff are avoided and erosion is not initiated.
93. All construction vehicles must adhere to a low speed limit to avoid collisions with susceptible species such as snakes and tortoises.

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Noise

94. The potential noise impact must be re-evaluated should the layout be changed such that any wind turbines are located closer than 1000m from a confirmed noise sensitive area.
95. Routine noise measurements must be conducted during the operation of the facility and a complaints register must be opened and made available to affected parties and to the Department on request.
96. The holder of this authorisation must ensure that the construction staff working in areas where the 8-hour ambient noise levels exceed 75dBA wear ear protection equipment.

97. The holder of this authorisation must ensure that all equipment and machinery are well maintained and equipped with silencers.
98. The holder of this authorisation must provide a prior warning to the community when a noisy activity e.g. blasting is to take place.
99. Construction staff must be trained in actions to minimise noise impacts.
100. The holder of this authorisation must ensure that the National Noise Control Regulations and SANS10103:2008 are adhered to and measures to limit noise from the work site are implemented.

#### Visual resources

101. No turbines must be placed within 1km of the N9, N10 and R389 provincial road.
102. The holder of this authorisation must reduce visual impacts during construction by minimising areas of surface disturbance, controlling erosion, using dust suppression techniques and restoring exposed soil as closely as possible to their original contour and vegetation.
103. A lighting engineer must be consulted to assist in the planning and placement of light fixtures in order to reduce visual impacts associated with glare and light trespass.
104. Lighting of main structures (turbines) and ancillary buildings must be designed to minimise light pollution without compromising safety, and turbines must be lit according to Civil Aviation Regulations.
105. Signage on or near wind turbines must be avoided unless they serve to inform the public about wind turbines and their function.
106. Commercial messages and graffiti on turbines are prohibited.

#### Human health and safety

107. A health and safety programme must be developed to protect both workers and the general public during construction, operation and decommissioning of the energy facility. The programme must establish a safety zone for wind turbines from residences and occupied buildings, roads, right-of-ways and other public access areas that is sufficient to prevent accidents resulting from the operation of the wind turbines.
108. Potential interference with public safety communication systems (e.g. radio traffic related to emergency activities) must be avoided.
109. The holder of this authorisation must obtain approval from the South Africa Civil Aviation Authority that the wind facility will not interfere with the performance of aerodrome radio Communication, Navigation and Surveillance (CNS) equipment, especially the radar, prior to commencement of the activity. A copy of the approval must be kept on site by the ECO.

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110. The holder of this authorisation must ensure that the operation of the wind facility complies with the relevant communication regulations or guidelines relating to electromagnetic interference, e.g. microwave, radio and television transmissions.
111. The holder of this authorisation must obtain approval from the South Africa Weather Services (WeatherSA) that the energy facility will not interfere with the performance of their equipment, especially radar, prior to commencement of the activity. A copy of the approval must be kept on site by the ECO.
112. The holder of this authorisation must train safety representatives, managers and workers in workplace safety. The construction process must be compliant with all safety and health measures as prescribed by the relevant act.
113. Liaison with land owners/farm managers must be done prior to construction in order to provide sufficient time for them to plan agricultural activities.
114. No unsupervised open fires for cooking or heating must be allowed on site.

#### Hazardous materials and waste management

115. Areas around fuel tanks must be bunded or contained in an appropriate manner as per the requirements of SABS 089:1999 Part 1.
116. Leakage of fuel must be avoided at all times and if spillage occurs, it must be remedied immediately.
117. Hazardous waste such as bitumen, oils, oily rags, paint tins etc. must be disposed of at an approved waste landfill site licensed to accept such waste.
118. No dumping or temporary storage of any materials may take place outside designated and demarcated laydown areas, and these must all be located within areas of low environmental sensitivity.
119. Hazardous substances must not be stored where there could be accidental leakage into surface or subterranean water.
120. Hazardous and flammable substances must be stored and used in compliance to the applicable regulations and safety instructions. Furthermore, no chemicals must be stored nor may any vehicle maintenance occur within 350m of the temporal zone of wetlands, a drainage line with or without an extensive floodplain or hillside wetlands.
121. Temporary bunds must be constructed around chemical storage to contain possible spills.
122. Spill kits must be made available on-site for the clean-up of spills.
123. An integrated waste management approach must be implemented that is based on waste minimisation and must incorporate reduction, recycling and re-use options where appropriate. Where solid waste is disposed of, such disposal shall only occur at a landfill licensed in terms of section 20(b) of the National Environment Management Waste Act, 2008 (Act 59 of 2008).

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124. The holder of this authorisation must provide sanitation facilities within the construction camps and along the road so that workers do not pollute the surrounding environment. These facilities must be removed from the site when the construction phase is completed as well as associated waste to be disposed of at a registered waste disposal site.
125. The holder of this authorisation must take note that no temporary site camps will be allowed outside the footprint of the development area as the establishment of such structures might trigger a listed activity as defined in the Environmental Impact Assessment Regulations, 2014 as amended.

#### Excavation and blasting activities

126. Underground cables and internal access roads must be aligned as much as possible along existing infrastructure to limit damage to vegetation and watercourses.
127. Foundations and trenches must be backfilled with originally excavated materials as much as possible. Excess excavation materials must be disposed of only in approved areas or, if suitable, stockpiled for use in reclamation activities.
128. Borrow materials must be obtained only from authorised and permitted sites. Permits must be kept on site by the ECO.
129. Anti-erosion measures such as silt fences must be installed in disturbed areas.

#### Air emissions

130. Dust abatement techniques must be used before and during surface clearing, excavation, or blasting activities.
131. Appropriate dust suppression techniques must be implemented on all exposed surfaces during periods of high wind. Such measures may include wet suppression, chemical stabilisation, the use of a wind fence, covering surfaces with straw chippings and re-vegetation of open areas.

#### Historical / cultural / paleontological resources

132. Mitigation requirements that involve the avoidance of, or professional collection of archaeological material from archaeological sites JG001-3, JR001 and JG026 must be implemented.
133. Should construction activities be within 100 metres from archaeological sites and historical sites, the sites must be demarcated and fenced off.
134. A 30m no-go buffer must be applied around identified burial grounds. Should it not be possible to retain the burial grounds in situ, a consultation process in terms of Section 36 of the NHRA and Chapter XI of the NHRA Regulations must be undertaken.

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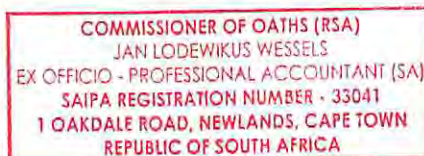
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135. If concentrations of archaeological heritage material, fossils and human remains are uncovered during construction, all work must cease immediately and be reported to the South African Heritage Resources Agency (SAHRA) so that a systematic and professional investigation / excavation can be undertaken.
136. Construction managers/foremen must be informed before construction starts of the possible types of heritage sites and cultural material that may be encountered and the procedures to follow when they find sites.
137. All buffers and no-go areas stipulated in the EIAR must be adhered to for both the facilities and all roads and powerlines.
138. All construction and maintenance crew and vehicles (except small vehicles which may use existing farm tracks) must be kept out of the buffer zones.
139. The final layout must be shown to the appointed archaeologist before implementation to confirm that all significant heritage resources have been adequately protected.

**General**



*[Handwritten Signature]*  
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140. The recommendations of the EAP in the EIAR dated March 2018 and the specialist studies attached must be adhered to. In the event of any conflicting mitigation measures and conditions of the Environmental Authorisation, the specific condition of this Environmental Authorisation will take preference.
141. A copy of this environmental authorisation, the audit and compliance monitoring reports, and the approved EMPr, must be made available for inspection and copying-
  - 141.1. at the site of the authorised activity;
  - 141.2. to anyone on request; and
  - 141.3. where the holder of the environmental authorisation has a website, on such publicly accessible website.
142. National government, provincial government, local authorities or committees appointed in terms of the conditions of this authorisation or any other public authority shall not be held responsible for any damages or losses suffered by the holder of the authorisation or his/her successor in title in any instance where construction or operation subsequent to construction be temporarily or permanently stopped for reasons of non-compliance by the holder of the authorisation with the conditions of authorisation as set out in this document or any other subsequent document emanating from these conditions of authorisation.

Date of environmental authorisation: 28/06/2018




Mr Vusi Skosana

Acting Chief Director: Integrated Environmental Authorisations  
Department of Environmental Affairs

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## Annexure 1: Reasons for Decision

### 1. Information considered in making the decision

In reaching its decision, the Department took, *inter alia*, the following into consideration -

- a) The listed activities as applied for in the amended application form received on 15 March 2018.
- b) The information contained in the EIA dated March 2018.
- c) The comments received from Air Navigation Services, Eastern Cape Department of Economic Development, Environmental Affairs and Tourism, Eskom, SAHRA, SKA-SA, the Commission of Land Restitution of Land Rights, the Department of Rural Development and Land Reform, the Department of Agriculture, Forestry and Fisheries, and Interested and Affected Parties as included in the EIA dated March 2018.
- d) Mitigation measures as proposed in the EIA and the EMP.
- e) The information contained in the specialist studies contained within the appendices of the EIA dated March 2018 and as appears below:

Title	Prepared by	Date
Avifauna Impact Assessment	Chris van Rooyen Consulting CC	September 2017
Bat Impact Assessment	Animalia	January 2018
Terrestrial ecology	Simon Todd Consulting	September 2016
Aquatic Impact Assessment	Scherman Colloty & Associates	October 2017
Social Impact Assessment	Tony Barbour & Schalk van Der Merwe	December 2017
Soils & Agricultural potential	ARC Institute for Soil, Climate & Water	April 2016
Noise Impact Assessment	Enviro Acoustic Resources (EAR)	September 2017
Heritage Impact Assessment	Aco Associates	November 2017
Visual Impact Assessment	Sivest	January 2018
Traffic Impact Assessment	Smec	January 2018
Wake Impact Analysis	3E	January 2018

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## 2. Key factors considered in making the decision

All information presented to the Department was taken into account in the Department's consideration of the application. A summary of the issues which, in the Department's view, were of the most significance is set out below.

- a) The findings of all the specialist studies conducted and their recommended mitigation measures.
- b) The need for the proposed project stems from the provision of electricity to the national grid.
- c) The EIA dated March 2018 identified all legislation and guidelines that have been considered in the preparation of the EIA.
- d) The location of turbines as presented in the final EIA.
- e) The methodology used in assessing the potential impacts identified in the EIA dated March 2018 and the specialist studies have been adequately indicated.
- f) A sufficient public participation process was undertaken and the applicant has satisfied the minimum requirements as prescribed in the EIA Regulations, 2014 for public involvement.

## 3. Findings

After consideration of the information and factors listed above, the Department made the following findings -

- a) The identification and assessment of impacts are detailed in the EIA dated March 2018 and sufficient assessment of the key identified issues and impacts have been completed.
- b) The procedure followed for impact assessment is adequate for the decision-making process.
- c) The information contained in the EIA dated March 2018 is deemed to be accurate and credible.
- d) The findings of the site inspection held on 22 May and 23 May 2018.
- e) The proposed mitigation of impacts identified and assessed adequately curtails the identified impacts.
- f) EMP measures for the pre-construction, construction and rehabilitation phases of the development were proposed and included in the EIA and will be implemented to manage the identified environmental impacts during the construction phase.

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In view of the above, the Department is satisfied that, subject to compliance with the conditions contained in the environmental authorisation, the authorised activities will not conflict with the general objectives of integrated environmental management laid down in Chapter 5 of the National Environmental Management Act, 1998 and that any potentially detrimental environmental impacts resulting from the authorised activities can be mitigated to acceptable levels. The environmental authorisation is accordingly granted.

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# environmental affairs

Department  
Environmental Affairs  
REPUBLIC OF SOUTH AFRICA

P.O. Box 2447 PRETORIA 001 Environment House - 473 Glynis Road, Arcadia - PRETORIA  
Tel: (27 12) 330 6372

Enquiries: Mr Ismael Abdur Telephone: 012 330 6330 E-mail: [isabdur@environment.gov.za](mailto:isabdur@environment.gov.za)

**Mr. Vuel Skosana**  
Director: Strategic co-ordination planning and support

Dear Mr. V Skosana

## APPOINTMENT AS ACTING CHIEF DIRECTOR: INTEGRATED ENVIRONMENTAL AUTHORISATIONS FOR THE PERIOD 18 JUNE 2018 UNTIL 29 JUNE 2018 (2 WEEKS).

I hereby inform you that I have decided to appoint you as the Acting Chief Director: Integrated environmental authorisations for the period 18 June 2018 until 29 June 2018 whilst Mr. Sabelo Mlaza is on Annual Leave.

All the correspondence and other documents that are usually signed by the Chief Director: Integrated Environmental Authorizations must be signed under Acting Chief Director: Integrated Environmental Authorisations during the above-mentioned period.

Your appointment in the above acting position remains subject to the provisions of the Public Service Act, 1994 (Proclamation No. 103 of 1994), as amended, the Government Employees Pension Fund Act, 1996 (Proclamation No. 21 of 1996), the regulations promulgated under these Acts and relevant circulars.

In the execution of your duties and the exercising of the powers delegated to you, you will furthermore be subjected to the provisions of the Public Finance Management Act, compliance with the Promotion of Access to Information Act, Promotion of Administrative Justice Act, the Minimum Information Security Standard, Departmental Policies and other applicable legislations with the Republic of South Africa. You are therefore advised to make yourself familiar with the provisions of this legislations and policies and the amendments thereof. (Copies of Departmental policies can be obtained from the Human Resource Office).

Please accept my heartfelt gratitude for all your assistance on behalf of the department.

Yours sincerely

Mr Ismael Abdur

DDG : LACE

Date:

14/06/2018

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### ACKNOWLEDGEMENT

I ACCEPT / DO NOT ACCEPT appointment  
as Acting Chief Director: Integrated  
environmental authorisations

Signed: [Signature]

Date: 14/06/2018



## environmental affairs

Department:  
Environmental Affairs  
REPUBLIC OF SOUTH AFRICA

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

DEA Reference: 14/12/16/3/3/2/1028/AM1  
Enquiries: Ms Thabile Sangweni  
Telephone: (012) 399 9409 E-mail: TSangweni@environment.gov.za

Mr Louis Dewavrin  
Phezukomoya Wind Power (Pty) Ltd  
PO Box 71664  
PORT ELIZABETH  
6001

Telephone Number: (041) 506 4910  
Email Address: ldewavrin@innowind.co

PER E-MAIL / MAIL

Dear Mr Dewavrin

### AMENDMENT OF THE ENVIRONMENTAL AUTHORISATION ISSUED ON 28 JUNE 2018 FOR THE 275MW PHEZUKOMOYA WIND ENERGY FACILITY, 132kV GRID CONNECTION TRANSMISSION LINE AND ASSOCIATED INFRASTRUCTURE NEAR NOUPOORT WITHIN THE UMSOBOMVU AND INXUBA YETHEMBA LOCAL MUNICIPALITIES IN THE NORTHERN AND EASTERN CAPE PROVINCES

The Environmental Authorisation (EA) issued for the abovementioned project by this Department on 28 June 2018 and the request for amendment of the EA received by the Department on 10 July 2018, refer.

In terms of Regulation 27(4) of the Environmental Impact Assessment (EIA) Regulations, 2014, as amended this Department has decided to initiate the amendment to the abovementioned EA to correct the administrative errors as follows:

#### Correction of land parcel numbers on Page 1 of the EA:

- Edendale (12/1, RE/13; 21/1);
- De Rust (2/11; 3/1; RE/11/1; 18/1; 2)

#### Inclusion of a land parcel on Page 1 of the EA:

- Holbrook (RE/181)

#### Amendment to page 6 of the EA to include additional access points required due to the complexity of the site:

- Access Point 1: -31.195496; 24.877421
- Access Point 2: -31.195269; 24.961468
- Access Point 3: -31.278405; 24.940615
- Access Point 4: -31.268857; 24.941613
- Access Point 5: -31.206607; 25.052748



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A handwritten signature in black ink, consisting of several overlapping loops and a long horizontal stroke extending to the right.



**Amendment to page 7 of the EA to reflect the following:**

- Export capacity: Up to 275MW
- Number of turbines: Up to 55

**Amendment to the technical details table of the proposed powerline on page 8 of the EA to reflect the correct height of poles and change the preferred site access:**

- Height of poles: A maximum of 45m
- Site access: -31. 278405; 24. 940615

This amendment letter must be read in conjunction with the EA issued on 28 June 2018.

Yours faithfully




**Mr Sabelo Malaza**  
**Chief Director: Integrated Environmental Authorisations**  
**Department of Environmental Affairs**

Date: *30/07/2018*

CC:	A Bodasing	Arcus Consultancy Services South Africa (Pty) Ltd.	Tel: 021 412 1529	ashlinb@arcusconsulting.co.za
	D Moleko	Northern Cape Department of Environment and Nature Conservation	Tel: 053 807 7467	dmoleko@ncpg.gov.za
	G Pienaar	Eastern Cape Department of Finance, Economic Development, Environmental Affairs and Tourism	Tel: 043 605 7051	Gerry.pienaar@dedea.gov.za

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**Consent in terms of Regulation 39 of the 2014 NEMA EIA Regulations, as amended, by the landowner or person in control of the land that the proposed activity/ies may be undertaken on the land in question**

**When to use this form**

Note: This form must be completed when application is made for environmental authorisation in terms of the 2014 NEMA EIA Regulations, as amended where the applicant is not the owner of the land on which the proposed activity will take place.

- (1) It is the responsibility of the applicant to ascertain whether subsequent versions of the form have been released by the Department.
- (2) This form must be attached to the application form.
- (3) Unless protected by law, all information contained in the form will become public information.

**CONTACT INFORMATION**

<b>Name of land owner/ person in control of the land</b>	Barend Pieter Erasmus		
<b>Trading name (if any):</b>			
<b>Contact person:</b>	Beskuitfontein Trust – Barend Pieter Erasmus		
<b>Physical address:</b>	Middelburg		
<b>Postal address:</b>	Posbus 62		
<b>Postal code:</b>	5900	<b>Cell:</b>	082 558 717
<b>Telephone:</b>		<b>Fax:</b>	
<b>E-mail:</b>	Beskuitfontein@gmail.com		
	If there is more than one landowner/person in control of the land, please attach a list of their contact details to this application and tick the box.		
			<input type="checkbox"/> <b>Extra page attached</b>

**CONSENT**

1. I/we the undersigned (*insert the name/s of the owner/s of the land*)

**Beskuitfontein Trust**

of identity number/registration number (*insert the owner/s ID number/s or the registration number of the legal entity*)

**Trust IT No. 1878/96**

am/ are the registered owner/s of the property (*insert description of the property/ies and title deed numbers*)

**REMAINING EXTENT OF PORTION 1 (BESKUIT FONTEIN) OF THE FARM TWEE FONTEIN 11, INXUBA YETHEMBA MUNICIPALITY, DIVISION OF MIDDELBURG, PROVINCE OF THE EASTERN CAPE, Extent of 1792, 4159 Hectares held by Deed Nr. T43835/1997**

**REMAINING EXTENT OF FARM NUMBER 13, INXUBA YETHEMBA MUNICIPALITY, DIVISION OF MIDDELBURG, PROVINCE OF THE EASTERN CAPE, Extent of 389, 1196 Hectares held by Deed Nr. T43835/1997**

**REMAINING EXTENT OF PORTION 4 (BESKUIT FONTEIN) OF THE FARM TWEE FONTEIN 11, DIVISION OF MIDDELBURG, PROVINCE OF THE EASTERN CAPE, Title Deed No. \_\_\_\_\_**

**REMAINING EXTENT OF (BESKUIT FONTEIN) OF THE FARM TWEE FONTEIN 11, DIVISION OF MIDDELBURG, PROVINCE OF THE EASTERN CAPE, Title Deed No. \_\_\_\_\_**

**REMAINING EXTENT OF PORTION 8 (BESKUIT FONTEIN) OF THE FARM TWEE FONTEIN 11, DIVISION OF MIDDELBURG, PROVINCE OF THE EASTERN CAPE, Title Deed No. \_\_\_\_\_**

**REMAINING EXTENT OF PORTION 6 (BESKUIT FONTEIN) OF THE FARM TWEE FONTEIN 11, DIVISION OF MIDDELBURG, PROVINCE OF THE EASTERN CAPE, Title Deed No. \_\_\_\_\_**

**REMAINING EXTENT OF PORTION 3 (BESKUIT FONTEIN) OF THE FARM TWEE FONTEIN 8, DIVISION OF MIDDELBURG, PROVINCE OF THE EASTERN CAPE, Title Deed No. \_\_\_\_\_**

**REMAINING EXTENT OF PORTION 4 (BESKUIT FONTEIN) OF THE FARM TWEE FONTEIN 11, DIVISION OF MIDDELBURG, PROVINCE OF THE EASTERN CAPE, Title Deed No. \_\_\_\_\_**

**FARM TWEE FONTEIN 5 DIVISION OF MIDDELBURG, PROVINCE OF THE EASTERN CAPE, Title Deed No. \_\_\_\_\_**

located at (*insert physical address or a brief description of the location of the property*)

**RE/1/11- INXUBA YETHEMBA MUNICIPALITY, EASTERN CAPE  
RE/13- INXUBA YETHEMBA MUNICIPALITY, EASTERN CAPE  
6 / 11 - INXUBA YETHEMBA MUNICIPALITY, EASTERN CAPE  
5 - UMSOBOMVU MUNICIPALITY, NORTHERN CAPE  
4 / 8 - INXUBA YETHEMBA MUNICIPALITY, EASTERN CAPE  
3/8 - INXUBA YETHEMBA MUNICIPALITY, EASTERN CAPE  
RE/8/11 - INXUBA YETHEMBA MUNICIPALITY, EASTERN CAPE**

**RE/11 - INXUBA YETHEMBA MUNICIPALITY, EASTERN CAPE**  
**4/11 - INXUBA YETHEMBA MUNICIPALITY, EASTERN CAPE**

2. I/ we hereby give consent to the applicant /person to whom the rights are to be transferred  
(insert the name/s of the applicant/person/s)

**San Kraal Wind Power (PTY) LTD**  
**Phezukomoya Wind Power (PTY) LTD**  
**Hartebeesthoek Wind Power (PTY) LTD**  
**EDF Renewables (PTY) LTD**

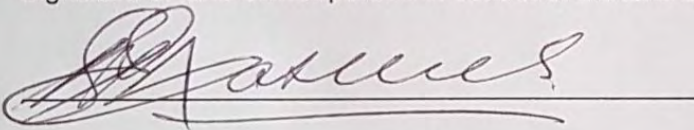
of identity number/registration number (insert the owner/s ID number/s or the registration number of the legal entity)

**San Kraal Wind Power (PTY) LTD - REGISTRATION NO. 2012/185566/07**  
**Phezukomoya Wind Power (PTY) LTD - REGISTRATION NO. 2012/184986/07**  
**Hartebeesthoek Wind Power (PTY) LTD - REGISTRATION NO. 2019/070085/07**  
**EDF Renewables (PTY) LTD - REGISTRATION NO. 2008/004442/07**

to undertake the following activity(ies) on the property (insert a brief description of the project and identified activity(ies) in question and amendment that will be applied for):

**For the construction and development of a wind energy facility and grid connection and associated infrastructure.**

Signature of land owner/person in control of the land or authorised representative



Name of authorised person if the landowner is a legal entity \_\_\_\_\_

19.9.19

Date

\_\_\_\_\_

**Consent in terms of Regulation 39 of the 2014 NEMA EIA Regulations, as amended, by the landowner or person in control of the land that the proposed activity/ies may be undertaken on the land in question**

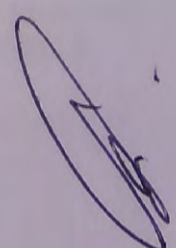
**When to use this form**

Note: This form must be completed when application is made for environmental authorisation in terms of the 2014 NEMA EIA Regulations, as amended, where the applicant is not the owner of the land on which the proposed activity will take place.

- (1) It is the responsibility of the applicant to ascertain whether subsequent versions of the form have been released by the Department.
- (2) This form must be attached to the application form.
- (3) Unless protected by law, all information contained in the form will become public information.

**CONTACT INFORMATION**

<b>Name of land owner/ person in control of the land</b>	Gillroy Trust		
<b>Trading name (if any):</b>			
<b>Contact person:</b>	Jean Leroy Gillmer		
<b>Physical address:</b>	Droëfontein Farm		
<b>Postal address:</b>	Box 124 Noupoort		
<b>Postal code:</b>	5950	<b>Cell:</b>	073 449 3359
<b>Telephone:</b>	049 843 1434	<b>Fax:</b>	
<b>E-mail:</b>	Jean.gillmer@karoomail.co.za		
If there is more than one landowner/person in control of the land, please attach a list of their contact details to this application and tick the box.			
			<input type="checkbox"/> <b>Extra page attached</b>



## CONSENT

1. I/we the undersigned (insert the name/s of the owner/s of the land)

**Gillroy Trust**

of identity number/registration number (insert the owner/s ID number/s or the registration number of the legal entity)

**NR IT 203/2000**

am/ are the registered owner/s of the property (insert description of the property/ies and title deed numbers)

**PORTION 3 (DE RUST) OF THE FARM NAAU POORT NO.1, INXUBA YETHEMBA MUNICIPALITY, DIVISION OF MIDDELBURG, PROVINCE OF THE EASTERN CAPE, Extent 420,9469 Hectares, Held By Deed of Transfer Nr. T21980/2013**

**REMAINDER OF PORTION 5 OF THE FARM NAAU POORT NO.1, INXUBA YETHEMBA MUNICIPALITY, DIVISION OF MIDDELBURG, PROVINCE OF THE EASTERN CAPE, Extent 42,2537 Hectares, Held By Deed of Transfer Nr. T21980/2013**

**REMAINDER OF PORTION 11 OF THE FARM NAAU POORT NO.1, INXUBA YETHEMBA MUNICIPALITY, DIVISION OF MIDDELBURG, PROVINCE OF THE EASTERN CAPE, Extent 169,8938 Hectares, Held By Deed of Transfer Nr. T21980/2013**

**REMAINDER OF PORTION 12 OF THE FARM NAAU POORT NO.1, INXUBA YETHEMBA MUNICIPALITY, DIVISION OF MIDDELBURG, PROVINCE OF THE EASTERN CAPE, Extent 648,3953 Hectares, Held By Deed of No. 66810/1999**

**PORTION 18 (A PORTION OF PORTION 9) OF THE FARM NAAU POORT NO.1, INXUBA YETHEMBA MUNICIPALITY, DIVISION OF MIDDELBURG, PROVINCE OF THE EASTERN CAPE, Extent 8529 Square Meters, Held by Deed of Transfer Nr. T21980/2013**

**THE FARM NO.2, INXUBA YETHEMBA MUNICIPALITY, DIVISION OF MIDDELBURG, PROVINCE OF THE EASTERN CAPE, Extent 121,0965 Hectares, Held By Deed of Transfer Nr. T21980/2013**

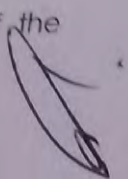
**PORTION 2 (DE RUST ANNEX) (A PORTION OF PORTION 1) OF THE FARM TWEE FONTEIN NO.11, INXUBA YETHEMBA MUNICIPALITY, DIVISION OF MIDDELBURG, PROVINCE OF THE EASTERN CAPE, Extent 576.4460 Hectares, Held By Deed of Transfer Nr. T21980/2013**

**REMAINING EXTENT OF PORTION 1 (VRIEDEN) OF THE NAAUW POORT NO.1 INXUBA YETHEMBA MUNICIPALITY, DIVISION OF MIDDELBURG, PROVINCE OF THE EASTERN CAPE, Extent of 2826,0033 Hectares held by Deed Nr. T34571/2010**

**Portion 21 of the Farm Naauw Poort No. 1, Inxuba Yethemba Municipality, Division of Middelburg, Province of the Eastern Cape, In Extent 297,2284 (Two Hundred and Ninety Seven comma Two Two Eight Four) Hectares, Held by Title Deed No. T58369/2014**

**Remainder of Portion 13 (a Portion of Portion 11) of the Farm Naauw Poort No. 1, Division of Middelburg, Province of the Eastern Cape, In Extent 230,5488 (Two Hundred and Thirty comma Five Four Eight Eight) Hectares, Held Title Deed No. T21532/2014**

located at (insert physical address or a brief description of the location of the property)



3/1 - INXUBA YETHEMBA MUNICIPALITY, EASTERN CAPE - 31°16.167'S and 24°58.252'E  
RE/5/1 - INXUBA YETHEMBA MUNICIPALITY, EASTERN CAPE - 31°15.227'S and  
24°56.544'E  
RE/11/1 - INXUBA YETHEMBA MUNICIPALITY, EASTERN CAPE - 31°14.034'S and  
24°56.641'E  
18/1 - INXUBA YETHEMBA MUNICIPALITY, EASTERN CAPE - 31°16.196'S and 24°56.740'E  
2 - INXUBA YETHEMBA MUNICIPALITY, EASTERN CAPE - 31°15.889'S and 24°59.114'E  
2/11 - INXUBA YETHEMBA MUNICIPALITY, EASTERN CAPE - 31°16.814'S and 24°58.785'E  
12/1 - INXUBA YETHEMBA MUNICIPALITY, EASTERN CAPE - 31°14.034'S and 24°56.641'E  
RE/1/1 - 31°16'48.78"S and 24°55'18.74"E, 11 km SW of the town of Noupoot  
21/1 - INXUBA YETHEMBA MUNICIPALITY, EASTERN CAPE - 31°15.288'S and 24°55.052'E  
13/1 - INXUBA YETHEMBA MUNICIPALITY, EASTERN CAPE - 31°16.188'S and 24°56.709'E

2. I/ we hereby give consent to the applicant /person to whom the rights are to be transferred (*insert the name/s of the applicant/person/s*)


**San Kraal Wind Power (PTY) LTD  
Phezukomoya Wind Power (PTY) LTD  
Hartebeesthoek Wind Power (PTY) LTD  
EDF Renewables (PTY) LTD**

of identity number/registration number (*insert the owner/s ID number/s or the registration number of the legal entity*)

**San Kraal Wind Power (PTY) LTD - REGISTRATION NO. 2012/185566/07  
Phezukomoya Wind Power (PTY) LTD - REGISTRATION NO. 2012/184986/07  
Hartebeesthoek Wind Power (PTY) LTD - REGISTRATION NO. 2019/070085/07  
EDF Renewables (PTY) LTD - REGISTRATION NO. 2008/004442/07**

to undertake the following activity(ies) on the property (*insert a brief description of the project and identified activity(ies) in question and amendment that will be applied for*):

**For the construction and development of a wind energy facility and grid connection and associated infrastructure.**

  
\_\_\_\_\_  
Signature of land owner/person in control of the land or authorised representative

\_\_\_\_\_  
Name of authorised person if the landowner is a legal entity

\_\_\_\_\_  
Date

26 August 2019

To: Department of Environmental Affairs  
Environment House  
473 Steve Biko Road  
Arcadia, Pretoria  
**Att: Chief Director – Integrated Environmental Authorisations**

Dear Sir/Madam,

**LETTER OF UNDERTAKING**

**RE: PHEZUKOMOYA WIND ENERGY FACILITY AND ASSOCIATED INFRASTRUCTURE SPLIT AMENDMENT**  
**DEA REFERENCE: 14/12/16/3/3/2/1028 AND 14/12/16/3/3/2/1028/AM1**

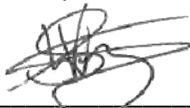
This letter serves to inform you that Phezukomoya Wind Power (Pty) Ltd (Registration number: 2012/184986/07) and Hartebeesthoek Wind Power (Pty) Ltd (Registration number: 2019/070085/07) are wholly owned subsidiaries of EDF Renewables (Pty) Ltd. As such EDF Renewables, hereby confirms that it authorises the current Phezukomoya Environmental Authorisation (“EA”) (Ref: 14/12/16/3/3/2/1028) issued in the name of Phezukomoya Wind Power (Pty) Ltd, to be amended and split into two separate EA’s:

- The Phezukomoya Wind Energy Facility EA (to be owned by Phezukomoya Wind Power (Pty) Ltd), and
- The Hartebeesthoek West Wind Energy Facility EA (to be owned by Hartebeesthoek Wind Power (Pty) Ltd)

Phezukomoya Wind Power (Pty) Ltd and Hartebeesthoek Wind Power (Pty) Ltd are two legal entities that were registered by EDF Renewables to own and operate the Phezukomoya and Hartebeesthoek West wind energy projects. EDF Renewables (Pty) Ltd is the sole shareholder in these companies and confirms to the Department that as a new holder of the EA, Phezukomoya Wind Power (Pty) Ltd and Hartebeesthoek Wind Power (Pty) Ltd undertake to take on the full responsibility of the EA and may be held liable for non-compliance.

Should you require any additional information, please feel free to contact me. I trust that the above is in order and await your reply.

Yours sincerely,



---

Sheldon Vandrey  
Project Manager

Tel: +27 (0)41 506 4900  
Mobile: +27 (0) 82 325 6062  
Email: [sheldon.vandrey@edf-re.co.za](mailto:sheldon.vandrey@edf-re.co.za)



14/12/16/3/3/2/1028/2/AM1

EIAAdmin <EIAAdmin@environment.gov.za>

Fri 10/18/2019 9:01 AM

To: Ashlin Bodasing <AshlinB@arcusconsulting.co.za>; Projects <Projects@arcusconsulting.co.za>; Sheldon Vandrey <Sheldon.vandrey@edf-re.co.za>; D. Moleko <dmoleko@ncpg.gov.za>; mpela@umsobomvumun.co.za <mpela@umsobomvumun.co.za>; Gerry Pienaar <Gerry.Pienaar@dedea.gov.za>  
Cc: Azrah Essop <AEssop@environment.gov.za>; EIAAdmin <EIAAdmin@environment.gov.za>

📎 1 attachments (151 KB)

14-12-16-3-3-2-1028-2-AM1.pdf;

Good day.

Please find herein the attached letter for the above mentioned.

I hope you find all in order.

Thank you.

Kind Regards,  
Integrated Environmental Authorisations:  
IEM Systems and Tools Coordination  
Tel (012) 399 8630 / 9370 / 9367  
Email: [EIAAdmin@environment.gov.za](mailto:EIAAdmin@environment.gov.za)



***Please be informed that the Departmental EIA related templates were updated. It can be downloaded from the Departmental web address at [https://www.environment.gov.za/documents/forms#legal\\_authorisations](https://www.environment.gov.za/documents/forms#legal_authorisations).***

'Please consider the environment before you print this email'

This message and any attachments transmitted with it are intended solely for the addressee(s) and may be legally privileged and/or confidential. If you have received this message in error please destroy it and notify the sender. Any unauthorized usage, disclosure, alteration or dissemination is prohibited. The Department of Environmental Affairs accepts no responsibility for any loss whether it be direct, indirect or consequential, arising from information made available and actions resulting there from. The views and opinions expressed in this e-mail message may not necessarily be those of Management.



## **environmental affairs**

Department  
Environmental Affairs  
**REPUBLIC OF SOUTH AFRICA**

Private Bag X 447· PRETORIA · 0001· Environment House · 473 Steve Biko Road, Arcadia, · PRETORIA

**DEA Reference:** 14/12/16/3/3/1028/2/AM1

**Enquiries:** Ms Azrah Essop

**Telephone:** (012) 399 8529 **E-mail:** [AEssop@environment.gov.za](mailto:AEssop@environment.gov.za)

Ms Ashlin Bodasing  
Arcus Consultancy Services South Africa (Pty) Ltd  
Office 607  
Icon Building  
Cube Work Space  
24 Hans Strijdom Avenue  
**CAPE TOWN**  
8001

Telephone Number: (021) 412 1529

Email Address: [ashlinb@arcusconsulting.co.za](mailto:ashlinb@arcusconsulting.co.za) / [projects@arcusconsulting.co.za](mailto:projects@arcusconsulting.co.za)

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

Dear Ms Bodasing

### **COMMENTS ON THE DRAFT AMENDMENT REPORT FOR THE APPLICATION FOR SPLIT AMENDMENT OF THE ENVIRONMENTAL AUTHORISATION ISSUED ON 28 JUNE 2018 FOR THE PROPOSED 275MW PHEZUKOMOYA WIND ENERGY FACILITY, NEAR NOUPOORT, UMSOBOMVU AND INXUBA YETHEMBA LOCAL MUNICIPALITIES IN THE NORTHERN AND EASTERN CAPE PROVINCES – HARTEBEESTHOEK WEST WIND ENERGY FACILITY**

The Environmental Authorisation (EA) issued for the above application by this Department on 28 June 2018 (14/12/16/3/3/2/1028); the Application for Environmental Authorisation (EA) and Draft Amendment report received by the Department on 26 September 2019 and the acknowledgement letter from the Department dated 02 October 2019, refer.

The application for amendment of the EA addresses the following:

- i. The applicant, Phezukomoya Wind Power (Pty) Ltd intends to split the EA for 14/12/16/3/3/2/1028 into two smaller projects within the authorised boundary, to be known as Phezukomoya Split 1 (separate application) and Hartebeesthoek Wind Energy Facility (this amendment application).
- ii. In addition, the applicant intends to amend the following
  - a. Split of the authorised Phezukomoya WEF into two smaller projects within the authorised boundary i.e Phezukomoya Split 1 and Hartebeesthoek Wind Energy Facilities (WEF) (Split 2 – HBH West);
  - b. Name and coordinates of the development;
  - c. Change to the holder of the authorisation to Hartebeesthoek Wind Power (Pty) Ltd;
  - d. Hub Height of up to 137m, rotor diameter of 175m and turbine output of up to 6.2MW;
  - e. Project output of up to 74.4MW;
  - f. Turbine numbers reduced to 12 turbines and

- g. A new final layout.
- iii. The amendment is requested as the authorised technology is no longer the most efficient turbine model and it will ensure their project is amongst the forefront of technological advancements. The amendment will result in fewer turbines with increased MW that would be less than or equal to the overall authorised 275 MW.
- iv. There are no amendments being applied for in terms of the grid connection and associated infrastructure related to the original EA with reference number 14/12/16/3/3/2/1028.
- v. Two Separate amendment applications and reports have been submitted to the Department in order to facilitate the split of the EA. The applications are currently registered with the Department as 14/12/16/3/3/2/1028/1/AM1 and 14/12/16/3/3/2/1028/2/AM1.

The Department has the following comments on the abovementioned application (14/12/16/3/3/2/1028/2/AM1):

**(a) Public Participation Process**

The following information must be submitted with the Final Amendment Report:

- i. A list of registered interested and affected parties as per Regulation 42 of the NEMA EIA Regulations, 2014, as amended;
- ii. Please ensure that copies of original comments received from I&APs and organs of state, which have jurisdiction in respect of the proposed activity are submitted to the Department with the final Amendment Report. Kindly ensure that the Square Kilometer Array (SKA) comments and comments from this Departments Biodiversity and Conservation Directorate are included in the document.
- iii. Proof of correspondence with the various stakeholders, including organs of state which have jurisdiction in respect of the proposed activity, must be included in the final Amendment Report. Should you be unable to obtain such comments, proof should be submitted to the Department of the attempts that were made to obtain the comments.
- iv. All issues raised and comments received during the circulation of the draft amendment report from I&APs and organs of state which have jurisdiction in respect of the proposed activity are adequately addressed in the final amendment report, including comments from this Department, and must be incorporated into a Comments and Response Report;
- v. Please refrain from summarising comments made by I&APs. All comments from I&APs must be copied verbatim and responded to clearly. Please note that a response such as "noted" is not regarded as an adequate response to an I&AP's comments

**(b) General**

- vi. The requirements of the acknowledgement letter 02 October 2019 must also be fulfilled.
- vii. The Department requires that you clearly indicate which conditions in the EA are applicable to the above project i.e. 14/12/16/3/3/2/1028/2/AM1. Ensure that the Environmental Management Programme (EMPr) has mitigations and measures applicable only to the abovementioned project as well.

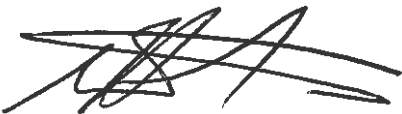
- viii. Further, clearly indicate whether conditions for the grid infrastructure are to be removed in entirety or retained to some extent. It would be best to list which conditions of the EA are relevant to amendment process.
- ix. You are requested to submit one (1) unprotected electronic copy (1 CD/USB) and one (1) hard copy of the final Amendment Report to the Department. Please ensure that this copy contains an electronic version of the amendment application form.

You are also advised to comply with the requirements of the Regulations 32 of the EIA Regulations 2014, as amended.

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

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

Yours sincerely



**Mr Sabelo Malaza**  
**Chief Director: Integrated Environmental Authorisations**  
**Department of Environmental Affairs**  
**Letter signed by: Mr Wayne Hector**  
**Designation: Deputy Director: Prioritised Infrastructure Projects**  
**Date: 17/10/19**

CC: Sheldon Vandrey	Hartebeesthoek Wind Power (Pty) Ltd	Email: <a href="mailto:Sheldon.vandrey@edf-re.co.za">Sheldon.vandrey@edf-re.co.za</a>
Dineo Moleko	Northern Cape Department of Environment and Nature Conservation	Email: <a href="mailto:dmoleko@ncpg.gov.za">dmoleko@ncpg.gov.za</a>
Amos Mpela	Umsobomvu Local Municipality	Email: <a href="mailto:mpela@umsobomvumun.co.za">mpela@umsobomvumun.co.za</a>
Gerry Pienaar	Eastern Cape Department of Finance, Economic Development, Environmental Affairs and Tourism	Email: <a href="mailto:Gerry.pienaar@dedea.gov.za">Gerry.pienaar@dedea.gov.za</a>

## Sophie Williams

---

**From:** Projects  
**Sent:** 22 October 2019 10:32  
**To:** Busang Sethole  
**Cc:** Musa Baloye  
**Subject:** Re: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process

Good Day Busang,

Thank you for your email. The downloadable links to the basic assessment reports are available.

Please follow this direct link to the project on the Arcus website:

<https://arcusconsulting.co.za/projects/proposed-san-kraal-and-phezukomoya-amendments/>

Please do not hesitate to contact should you have any further queries.

Please note that the comment period closes on 25 October 2019, please confirm that your comment will be received in due time.

Thank You,  
Regards  
Aneesah Alwie

---

**From:** Busang Sethole <bsethole@ska.ac.za>  
**Sent:** Monday, October 21, 2019 12:05 PM  
**To:** Projects <Projects@arcusconsulting.co.za>  
**Cc:** Musa Baloye <mbaloye@ska.ac.za>  
**Subject:** Fwd: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process

Good Day Aneesha

I am not sure if it is only me, but I am not able to find any downloadable documents on the link you have provided. Please may you kindly provide us with the full link where we can have this documents downloaded.

BR,

**Busang Sethole**  
**Spectrum and Telecommunications Analyst**  
South African Radio Astronomy Observatory (SARAO)  
Address: 17 Baker Street,  
Rosebank, Johannesburg, 2196  
Tel: [+27 \(0\) 11 268 3449](tel:+270112683449) | Cell [+27 \(0\) 79 465 5064](tel:+270794655064)  
Email: [bsethole@ska.ac.za](mailto:bsethole@ska.ac.za)  
Website: [www.ska.ac.za](http://www.ska.ac.za)

----- Forwarded message -----

**From:** Adrian Tiplady <[atiplady@ska.ac.za](mailto:atiplady@ska.ac.za)>  
**Date:** Fri, Sep 27, 2019 at 4:59 PM

Subject: Fwd: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process

To: Selaelo Matlhane <[smatlhane@ska.ac.za](mailto:smatlhane@ska.ac.za)>, Busang Sethole <[bsethole@ska.ac.za](mailto:bsethole@ska.ac.za)>, [mbaloye@ska.ac.za](mailto:mbaloye@ska.ac.za) <[mbaloye@ska.ac.za](mailto:mbaloye@ska.ac.za)>

----- Forwarded Message -----

**Subject:**Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process

**Date:**Thu, 26 Sep 2019 07:02:56 +0000

**From:**Projects <[Projects@arcusconsulting.co.za](mailto:Projects@arcusconsulting.co.za)>

**To:**Projects <[Projects@arcusconsulting.co.za](mailto:Projects@arcusconsulting.co.za)>

Dear Interested and Affected Party

**Notice is hereby given of a Public Participation Process (PPP) to be undertaken in terms of the National Environmental Management Act, 1998 (Act No. 107 of 1998), as amended.**

The Draft Basic Assessment and Amendment Reports for the San Kraal and Phezukomoya Wind Energy Facility (WEF) and Grid Connection is available for public comment and review.

**The following is available for public review:**

Volume I - Draft Basic Assessment Report (BAR) for the Grid Connection and associated infrastructure, Eastern and Northern Cape Province

Volume II - Specialist Impact Assessment Reports

Volume I - San Kraal Wind Energy Facility Environmental Authorisation (EA) Amendment, Eastern and Northern Cape Province

Volume II - Specialist Amendments Reports

Volume I - Hartebeesthoek East Wind Energy Facility EA Amendment, Eastern and Northern Cape Province

Volume II - Specialist Amendments Reports

Volume I - Phezukomoya Wind Energy Facility EA Amendment, Eastern and Northern Cape Province

Volume II - Specialist Amendments Reports

Volume I - Hartebeesthoek West Wind Energy Facility EA Amendment, Eastern and Northern Cape Province

Volume II - Specialist Amendments Reports

The **Draft Basic Assessment Report** and the **four Draft EA Amendment Reports** are available for public review and comment for 30 days from the **26 September 2019** to the **25 October 2019 (both days inclusive)**, at the Noupoort Library, and website: [www.arcusconsulting.co.za](http://www.arcusconsulting.co.za).

Please find attached a letter with further information regarding the availability of the San Kraal and Phezukomoya WEF Amendments and Grid Connection Basic Assessment Reports.

Kind Regards

**Aneesah Alwie**

Public Participation Assistant, South Africa

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Tel: +27 (0) 21 412 1529

Email: [projects@arcusconsulting.co.za](mailto:projects@arcusconsulting.co.za)

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**Arcus Consultancy Services South Africa (Pty) Ltd**

Office 220 Cube Workspace

Cnr Long Street and Hans Strijdom Ave

Cape Town

8001

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[www.arcusconsulting.co.za](http://www.arcusconsulting.co.za)

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## Sophie Williams

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**From:** Projects  
**Sent:** 22 October 2019 10:43  
**To:** Gerry Pienaar; Projects  
**Cc:** ncumisa.manyonga@dedea.gov.za  
**Subject:** RE: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process  
**Attachments:** 3329 San Kraal and Phezukomoya WEF Amendments and BA Process Notificatio....pdf

Dear Gerry Pienaar,

Following notification of the Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Reports, from the **26 September 2019** to the **25 October 2019 (both days inclusive)**, please can you confirm if the Department of Economic Development Environmental Affairs and Tourism, Eastern Cape Provincial Department, will be providing comment on the mentioned reports.

If you have any questions or queries please do not hesitate to contact me.

Thank You,  
Regards  
Aneesah Alwie

---

**From:** Projects <Projects@arcusconsulting.co.za>  
**Sent:** Thursday, September 26, 2019 7:02 AM  
**To:** Projects <Projects@arcusconsulting.co.za>  
**Subject:** Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process

Dear Interested and Affected Party

**Notice is hereby given of a Public Participation Process (PPP) to be undertaken in terms of the National Environmental Management Act, 1998 (Act No. 107 of 1998), as amended.**

The Draft Basic Assessment and Amendment Reports for the San Kraal and Phezukomoya Wind Energy Facility (WEF) and Grid Connection is available for public comment and review.

**The following is available for public review:**

Volume I - Draft Basic Assessment Report (BAR) for the Grid Connection and associated infrastructure, Eastern and Northern Cape Province

Volume II - Specialist Impact Assessment Reports

Volume I - San Kraal Wind Energy Facility Environmental Authorisation (EA) Amendment, Eastern and Northern Cape Province

Volume II - Specialist Amendments Reports

Volume I - Hartebeesthoek East Wind Energy Facility EA Amendment, Eastern and Northern Cape Province

Volume II - Specialist Amendments Reports

Volume I - Phezukomoya Wind Energy Facility EA Amendment, Eastern and Northern Cape Province

Volume II - Specialist Amendments Reports



Volume I - Hartebeesthoek West Wind Energy Facility EA Amendment, Eastern and Northern Cape Province  
Volume II - Specialist Amendments Reports

The **Draft Basic Assessment Report** and the **four Draft EA Amendment Reports** are available for public review and comment for 30 days from the **26 September 2019** to the **25 October 2019 (both days inclusive)**, at the Noupport Library, and website: [www.arcusconsulting.co.za](http://www.arcusconsulting.co.za).

Please find attached a letter with further information regarding the availability of the San Kraal and Phezukomoya WEF Amendments and Grid Connection Basic Assessment Reports.

Kind Regards

**Aneesah Alwie**

Public Participation Assistant, South Africa

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Tel: +27 (0) 21 412 1529

Email: [projects@arcusconsulting.co.za](mailto:projects@arcusconsulting.co.za)

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**Arcus Consultancy Services South Africa (Pty) Ltd**

Office 220 Cube Workspace

Cnr Long Street and Hans Strijdom Ave

Cape Town

8001

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[www.arcusconsulting.co.za](http://www.arcusconsulting.co.za)

## Sophie Williams

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**From:** Projects  
**Sent:** 22 October 2019 10:48  
**To:** D. Moleko; Projects  
**Cc:** denc@ncpg.gov.za  
**Subject:** RE: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process  
**Attachments:** 3329 San Kraal and Phezukomoya WEF Amendments and BA Process Notificatio....pdf

Dear Dineo Moleko

Following notification of the Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Reports, from the **26 September 2019** to the **25 October 2019 (both days inclusive)**, please can you confirm if the Department of Environment and Nature Conservation, Northern Cape Provincial Department, will be providing comment on the mentioned reports.

If you have any questions or queries please do not hesitate to contact me.

Thank You,  
Regards  
Aneesah Alwie

---

**From:** Projects <Projects@arcusconsulting.co.za>  
**Sent:** Thursday, September 26, 2019 7:02 AM  
**To:** Projects <Projects@arcusconsulting.co.za>  
**Subject:** Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process

Dear Interested and Affected Party

**Notice is hereby given of a Public Participation Process (PPP) to be undertaken in terms of the National Environmental Management Act, 1998 (Act No. 107 of 1998), as amended.**

The Draft Basic Assessment and Amendment Reports for the San Kraal and Phezukomoya Wind Energy Facility (WEF) and Grid Connection is available for public comment and review.

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Volume II - Specialist Amendments Reports

Volume I - Hartebeesthoek East Wind Energy Facility EA Amendment, Eastern and Northern Cape Province

Volume II - Specialist Amendments Reports

Volume I - Phezukomoya Wind Energy Facility EA Amendment, Eastern and Northern Cape Province

Volume II - Specialist Amendments Reports

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Volume II - Specialist Amendments Reports

The **Draft Basic Assessment Report** and the **four Draft EA Amendment Reports** are available for public review and comment for 30 days from the **26 September 2019** to the **25 October 2019 (both days inclusive)**, at the Noupoot Library, and website: [www.arcusconsulting.co.za](http://www.arcusconsulting.co.za).

Please find attached a letter with further information regarding the availability of the San Kraal and Phezukomoya WEF Amendments and Grid Connection Basic Assessment Reports.

Kind Regards

**Aneesah Alwie**

Public Participation Assistant, South Africa

---

Tel: +27 (0) 21 412 1529

Email: [projects@arcusconsulting.co.za](mailto:projects@arcusconsulting.co.za)

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**Arcus Consultancy Services South Africa (Pty) Ltd**

Office 220 Cube Workspace

Cnr Long Street and Hans Strijdom Ave

Cape Town

8001

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[www.arcusconsulting.co.za](http://www.arcusconsulting.co.za)

## Sophie Williams

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**From:** Projects  
**Sent:** 22 October 2019 10:56  
**To:** pmakitla@environment.gov.za; slekota@environment.gov.za; Projects  
**Subject:** RE: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process  
**Attachments:** 3329 San Kraal and Phezukomoya WEF Amendments and BA Process Notificatio....pdf

Dear Biodiversity Control Officers,

Following notification of the Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Reports, from the **26 September 2019** to the **25 October 2019 (both days inclusive)**, please can you confirm if the Department of Environment, Forestry & Fisheries: Biodiversity Conservation Directorate, Department of Environmental Affairs, will be providing comment on the mentioned reports.

If you have any questions or queries please do not hesitate to contact me.

Thank You,  
Regards  
Aneesah Alwie

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**From:** Projects <Projects@arcusconsulting.co.za>  
**Sent:** Thursday, September 26, 2019 7:02 AM  
**To:** Projects <Projects@arcusconsulting.co.za>  
**Subject:** Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process

Dear Interested and Affected Party

**Notice is hereby given of a Public Participation Process (PPP) to be undertaken in terms of the National Environmental Management Act, 1998 (Act No. 107 of 1998), as amended.**

The Draft Basic Assessment and Amendment Reports for the San Kraal and Phezukomoya Wind Energy Facility (WEF) and Grid Connection is available for public comment and review.

**The following is available for public review:**

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The **Draft Basic Assessment Report** and the **four Draft EA Amendment Reports** are available for public review and comment for 30 days from the **26 September 2019** to the **25 October 2019 (both days inclusive)**, at the Noupport Library, and website: [www.arcusconsulting.co.za](http://www.arcusconsulting.co.za).

Please find attached a letter with further information regarding the availability of the San Kraal and Phezukomoya WEF Amendments and Grid Connection Basic Assessment Reports.

Kind Regards

**Aneesah Alwie**

Public Participation Assistant, South Africa

---

Tel: +27 (0) 21 412 1529

Email: [projects@arcusconsulting.co.za](mailto:projects@arcusconsulting.co.za)

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8001

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## **APPENDIX H: COMMENTS AND RESPONSES TABLE**

Ref.	Name and Organisation	Date and Method	Comment	Response
<b>Draft Basic Assessment Report Phase</b>				
1	Mario Bratz  I&AP	7 September 2019  by Email	<p><b>From:</b> Mario Bratz [mailto:mario.bratz@yahoo.com]  <b>Sent:</b> Saturday, September 7, 2019 13:59  <b>To:</b> Projects &lt;Projects@arcusconsulting.co.za&gt;  <b>Subject:</b> Ref:3329 Projects (fencing/civil works)</p> <p>No email context, only an attachment (see Vol. I, Appendix G)</p>	<p><b>From:</b> Projects  <b>Sent:</b> Thursday, September 12, 2019 6:57 AM  <b>To:</b> mario.bratz@yahoo.com &lt;mario.bratz@yahoo.com&gt;  <b>Subject:</b> RE: Ref:3329 Projects (fencing/civil works)</p> <p>Good Day Mario</p> <p>Thank you for your email and telephone call on 11 September 2019 requesting to be registered as an I&amp;AP.</p> <p>You have been included as an I&amp;AP for the San Kraal and Phezukomoya amendment and basic assessment application process.</p> <p>Kind Regards  <b>Aneesah Alwie</b>  Public Participation Assistant, South Africa</p>
2	Alfranzo Smit  I&AP  Local and SMME Owner	11 September 2019  by Email	<p><b>From:</b> Sherieve [mailto:alfranzosmit@gmail.com]  <b>Sent:</b> Wednesday, September 11, 2019 11:10  <b>To:</b> Projects &lt;Projects@arcusconsulting.co.za&gt;  <b>Subject:</b> I&amp;AP</p> <p>Good Morning</p> <p>I would like to register as an I&amp;AP for the projects around the Noupport-Middleburg area.</p> <p>I'm a local from the area and a SMME owner.</p> <p>For both the wind energy and the solar energy projects. Hear from you soon.</p> <p>WARM REGARDS</p> <p>Alfranzo  0795008361  RIEVE SURVEYS (pty ltd)</p>	<p><b>From:</b> Projects  <b>Sent:</b> Thursday, September 12, 2019 6:58 AM  <b>To:</b> Sherieve &lt;alfranzosmit@gmail.com&gt;  <b>Subject:</b> RE: I&amp;AP</p> <p>Good Day Alfranzo</p> <p>Thank you for your email. You have been included on the I&amp;AP Database for the San Kraal and Phezukomoya WEF amendment and basic assessment application process.</p> <p>Kind Regards  <b>Aneesah Alwie</b>  Public Participation Assistant, South Africa</p>
3	John Geeringh  Senior Consultant Environmental Management  Eskom Transmission Division: Land & Rights	27 September 2019  by Email	<p><b>From:</b> John Geeringh &lt;GeerinJH@eskom.co.za&gt;  <b>Sent:</b> Friday, September 27, 2019 8:09 AM  <b>To:</b> Projects &lt;Projects@arcusconsulting.co.za&gt;  <b>Subject:</b> RE: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process</p> <p>Please find attached the latest Eskom setbacks document with regard to renewable energy infrastructure in relation to Eskom infrastructure. Please ensure the applicant is aware of this document and its contents in terms of this amendment application. Should you have any queries, please contact me.</p> <p>Kind regards  John Geeringh (Pr Sci Nat)  Senior Consultant Environmental Management</p>	<p><b>No response required by EAP. Email was forwarded onto the applicant for awareness.</b></p>

Ref.	Name and Organisation	Date and Method	Comment	Response
<b>Draft Basic Assessment Report Phase</b>				
			<p>Eskom Transmission Division: Land &amp; Rights  Megawatt Park, D1Y42, Maxwell Drive, Sunninghill, Sandton.  P O Box 1091, Johannesburg, 2000.  Tel: 011 516 7233  Cell: 083 632 7663  Fax: 086 661 4064  E-mail: john.geeringh@eskom.co.za</p>	
4	Natasha Higgitt  SAHRA	27 September 2019  by Email	<p><b>From:</b> Natasha Higgitt [mailto:nhiggitt@sahra.org.za]  <b>Sent:</b> Friday, September 27, 2019 11:14  <b>To:</b> Projects &lt;Projects@arcusconsulting.co.za&gt;  <b>Subject:</b> RE: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process</p> <p>Good afternoon,</p> <p>Thank you for the notification. Please upload all documents to the relevant SAHRIS applications and change the status of the cases to SUBMITTED once completed.</p> <p>Kind regards,</p>	<p><b>From:</b> Projects  <b>Sent:</b> Tuesday, October 15, 2019 11:31 AM  <b>To:</b> Natasha Higgitt &lt;nhiggitt@sahra.org.za&gt;  <b>Subject:</b> RE: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process</p> <p>Dear Natasha,</p> <p>The Draft Basic Assessment Report and the four Draft EA Amendment Reports were uploaded to SAHRIS and status changed to SUBMITTED.</p> <p>Kind Regards</p> <p><b>Aneesah Alwie</b>  Public Participation Assistant, South Africa</p>
	Natasha Higgitt  SAHRA	18 October 2019  by Email	<p><b>From:</b> Natasha Higgitt &lt;nhiggitt@sahra.org.za&gt;  <b>Sent:</b> Friday, October 18, 2019 7:18 AM  <b>To:</b> Projects &lt;Projects@arcusconsulting.co.za&gt;  <b>Subject:</b> RE: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process</p> <p>Good morning,</p> <p>I have begun to review the documents on each case and I have noticed something that I believe may be a typing error. The Amendment Motivation reports for Phezukomoya Split 1 and Hartebeesthoek West refer to the EA granted to the Phezukomoya WEF, but seem to provide the incorrect DEA EA number. According to the EA uploaded to the original EA application on SAHRIS (Case ID 11585), the EA ref number for Phezukomoya is <u>14/12/16/3/3/2/1028</u> and not <u>14/12/16/3/3/2/1029</u> as indicated in the Motivation reports on cases 14388 and 14387.</p> <p>Please correct me if I am understanding anything incorrectly and I apologize if I have caused any alarm.</p> <p>Kind regards,</p>	<p><b>From:</b> Projects &lt;Projects@arcusconsulting.co.za&gt;  <b>Sent:</b> Thursday, October 24, 2019 3:00 PM  <b>To:</b> Natasha Higgitt &lt;nhiggitt@sahra.org.za&gt;  <b>Subject:</b> Re: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process</p> <p>Dear Natasha,</p> <p>Thank you for your email.</p> <p>To provide clarity, the Phezukomoya DEA Reference Number is 14/12/16/3/3/2/1028 and 14/12/16/3/3/2/1028/AM1.</p> <p>I will look into this motivation letter and correct accordingly where the incorrect reference number was used.</p> <p>Thank you for checking with us.</p> <p>Please do not hesitate to contact should you have any further queries.</p> <p>Thank You</p> <p>Regards</p> <p>Aneesah Alwie</p>
5	Alistair McMaster	30 September 2019	<p><b>From:</b> Alistair McMaster [mailto:Alistair.McMaster@dedia.gov.za]  <b>Sent:</b> Monday, September 30, 2019 10:52  <b>To:</b> Projects &lt;Projects@arcusconsulting.co.za&gt;</p>	<p><b>From:</b> Projects  <b>Sent:</b> Monday, September 30, 2019 12:42 PM  <b>To:</b> Alistair McMaster &lt;Alistair.McMaster@dedia.gov.za&gt;</p>



Ref.	Name and Organisation	Date and Method	Comment	Response
<b>Draft Basic Assessment Report Phase</b>				
	<b>DEDEA: Eastern Cape Provincial Authority</b>	<b>by Email</b>	<p><b>Cc:</b> Gerry Pienaar &lt;Gerry.Pienaar@dedea.gov.za&gt;  <b>Subject:</b> Phezukomoya WEF Amendments and Basic Assessment Process</p> <p>Good day</p> <p>In respect to the Phezukomoya WEF Amendments and Basic Assessment Process, the notification indicates that documents are available for review on your website. However, links to these documents do not appear to be obviously available on the site? Please assist with a link or the correct URL to the project documents.</p> <p>Kind regards  Alistair</p>	<p><b>Cc:</b> Gerry Pienaar &lt;Gerry.Pienaar@dedea.gov.za&gt;  <b>Subject:</b> RE: Phezukomoya WEF Amendments and Basic Assessment Process</p> <p>Dear Alistair,</p> <p>Thank you for your email. The proposed amendments and basic assessment process application(s) are available on the Arcus Website. Furthermore, an electronic CD copy was delivered to Mr. Gerry Pienaar, which should have been received on Wednesday, 25 September 2019.</p> <p>Here is the link to the project on the Arcus website:  <a href="https://arcusconsulting.co.za/projects/proposed-san-kraal-and-phezukomoya-amendments/">https://arcusconsulting.co.za/projects/proposed-san-kraal-and-phezukomoya-amendments/</a></p> <p>Please let me know if you have any further trouble accessing the project.</p> <p>Kind Regards  <b>Aneesah Alwie</b>  Public Participation Assistant, South Africa</p>
6	<b>Gerry Pienaar</b> <b>DEDEA: Eastern Cape Provincial Authority</b>	<b>30 September 2019</b> <b>by Email</b>	<p><b>From:</b> Gerry Pienaar [mailto:Gerry.Pienaar@dedea.gov.za]  <b>Sent:</b> Monday, September 30, 2019 12:45  <b>To:</b> Projects &lt;Projects@arcusconsulting.co.za&gt;; Alistair McMaster &lt;Alistair.McMaster@dedea.gov.za&gt;  <b>Subject:</b> RE: Phezukomoya WEF Amendments and Basic Assessment Process</p> <p>CD not yet received, will have to check</p>	<p><b>From:</b> Projects  <b>Sent:</b> Wednesday, October 2, 2019 10:02 AM  <b>To:</b> Gerry Pienaar &lt;Gerry.Pienaar@dedea.gov.za&gt;; Alistair McMaster &lt;Alistair.McMaster@dedea.gov.za&gt;  <b>Subject:</b> RE: Phezukomoya WEF Amendments and Basic Assessment Process</p> <p>Good Morning Gerry</p> <p>The courier had just advised me that when attempting to deliver the package to the address which you have provided me, i.e. Global Life Building, Bisho, they are not willing to sign for it.</p> <p>Please can you confirm that the address and contact number is correct. Or please provide me with an alternate contact number for the courier to contact you once they are at the building to deliver the package.</p> <p>Thank You  Aneesah Alwie</p>
7	<b>Azrah Essop</b> <b>DEA: Integrated Environmental Authorisations</b>	<b>2 October 2019</b> <b>by Email</b>	<p><b>From:</b> Azrah Essop [mailto:AEssop@environment.gov.za]  <b>Sent:</b> Wednesday, October 2, 2019 8:31  <b>To:</b> Ashlin Bodasing &lt;AshlinB@arcusconsulting.co.za&gt;; Projects &lt;Projects@arcusconsulting.co.za&gt;  <b>Cc:</b> EIAAdmin &lt;EIAAdmin@environment.gov.za&gt;; sheldon.vandrey@edf-re.co.za  <b>Subject:</b> 14/12/16/3/3/2/1028/1/AM1 and 1412/16/3/3/2/1028/2/AM1</p> <p>Good day.  Please find herein the attached letter for the above mentioned.</p>	<p><b>From:</b> Projects  <b>Sent:</b> Tuesday, October 15, 2019 2:12 PM  <b>To:</b> Azrah Essop &lt;AEssop@environment.gov.za&gt;; Ashlin Bodasing &lt;AshlinB@arcusconsulting.co.za&gt;; Projects &lt;Projects@arcusconsulting.co.za&gt;  <b>Cc:</b> EIAAdmin &lt;EIAAdmin@environment.gov.za&gt;; sheldon.vandrey@edf-re.co.za &lt;sheldon.vandrey@edf-re.co.za&gt;  <b>Subject:</b> RE: 14/12/16/3/3/2/1028/1/AM1 and 1412/16/3/3/2/1028/2/AM1</p> <p>Good Day Azrah</p>

Ref.	Name and Organisation	Date and Method	Comment	Response
<b>Draft Basic Assessment Report Phase</b>				
			<p>I hope you find all in order. Thank you. <b>Azrah Essop</b> Integrated Environmental Authorisations: Strategic Infrastructure Development: Prioritised Infrastructure Projects Tel: <a href="tel:0123998529">(012) 399 8529</a> Email: <a href="mailto:AEssop@environment.gov.za">AEssop@environment.gov.za</a></p>	<p><b>RE: 14/12/16/3/3/2/1028/1/AM1 and 1412/16/3/3/2/1028/2/AM1 – Additional Information</b></p> <p>The hard copy of the documents as requested in the letter(s) of acknowledgement will be delivered to your offices on Wednesday, 16 October 2019.</p>
<p><b>Email attachment (2)</b></p>	<p>DEA Reference: 14/12/16/3/3/2/1028/2/AM1 Enquiries: Ms Azrah Essop Tel:012 399 8529 <a href="mailto:AEssop@environment.gov.za">E-mail:AEssop@environment.gov.za</a></p> <p>Ashlin Bodasing Arcus Consultancy Services South Africa (Pty) Ltd Office 607, Icon Building Cube Work Space 24 Hans Strijdom Avenue CAPE TOWN 8001 Tel: 021412 1529 Email: <a href="mailto:ashlinb@arcusconsulting.co.za">ashlinb@arcusconsulting.co.za</a> / <a href="mailto:projects@arcusconsulting.co.za">projects@arcusconsulting.co.za</a></p> <p>PER EMAIL</p> <p>Dear Sir/Madam</p> <p>ACKNOWLEDGEMENT OF RECEIPT OF APPLICATION FOR AMENDMENT OF ENVIRONMENTAL AUTHORISATION ISSUED ON THE AUTHORISATION ISSUED ON 28 JUNE 2018 FOR THE PROPOSED 275 MW PHEZUKOMOYA WIND ENERGY FACILITY, 132KV GRID CONNECTION TRANSMISSION LINE AND ASSOCIATED INFRASTRUCTURE NEAR NOURPOORT WITHIN THE UMSOBOMVU AND INXUBA YETHEMBA LOCAL MUNICIPALITIES IN THE NORTHERN CAPE AND EASTERN CAPE PROVINCES.</p> <p>The Department confirms having received the application for amendment of environmental authorisation (EA) and draft amendment report for the abovementioned project on 26 September 2019. You have submitted these documents to comply with the Environmental Impact Assessment Regulations, 2014.</p> <p>You are requested to submit the following documents via hardcopy and email (to the writer and <a href="mailto:CC EIAAdmin@environment.gov.za">CC EIAAdmin@environment.gov.za</a>):</p> <ul style="list-style-type: none"> <li>• Originally signed 'Letter of Consent of Signatory' and 'Letter of Undertaking' dated 26 August 2019;</li> <li>• Originally certified copies of the EA and subsequent amendment;</li> <li>• Updated land owner consent in terms of "Barend Pieter Erasmus" and "Gillroy Trust", when available;</li> </ul>	<p><b><u>RE: ACKNOWLEDGMENT OF RECEIPT FOR PHEZUKOMOYA WIND ENERGY FACILITY</u></b></p> <p>Following submission of the application for amendment of environmental authorisation (EA) and draft amendment report for the abovementioned project on 26 September 2019, the acknowledgement of receipt letter, dated 2 October 2019, requested submission of the documents as below, please find this attached:</p> <ul style="list-style-type: none"> <li>• Originally signed 'Letter of Consent of Signatory' and 'Letter of Undertaking' dated 26 August 2019;</li> <li>• Originally certified copies of the EA and subsequent amendment; and</li> <li>• The updated land owner consent in terms of "Gilroy Trust".</li> </ul> <p>Kindly note that the updated land owner consent in terms of "Mrs Vivian van de Merwe" will be submitted with the final reports. (attachment included in Vol I: Appendix G)</p>		

Ref.	Name and Organisation	Date and Method	Comment	Response
<b>Draft Basic Assessment Report Phase</b>				
			<ul style="list-style-type: none"> <li>Kindly mark the information as below for submission to the department:  14/12/16/3/3/2/1028/2/AM1- <i>Additional Information</i>  Attention: Azrah Essop: <i>Integrated Environmental Authorisations</i>  Department of Environmental Affairs  Private Bag X447 Pretoria  0001</li> </ul> <p>Please note that your application for amendment of environmental authorisation falls within the ambit of amendments to be applied for in terms of Part 2 of Chapter 5 of the Environmental Impact Assessment Regulations (2014). You are therefore referred to regulation 32.</p> <p><b>You are also advised that the Public Participation Process must be conducted as outlined in Chapter 6 of the EIA Regulations, 2014, as amended.</b></p> <p>All documentation delivered to the physical address contained in this form must be delivered during the official Departmental Office Hours which is visible on the Departmental gate. EIA related documents (includes application forms, reports or any EIA related submissions) that are faxed; emailed; delivered to Security or placed in the Departmental Tender Box will not be accepted.</p> <p>Yours sincerely  <b>Mr Sabelo Malaza</b>  <b>Chief Director: Integrated Environmental Authorisations</b>  <b>Department of Environmental Affairs:</b>  <b>Letter signed by: Ms Azrah Essop</b>  <b>Designation: Environmental Officer: Prioritised Infrastructure Projects</b>  <b>Date: 2 October 2019</b></p>	
	<b>EIA Admin</b>  <b>DEA:</b> <b>Integrated Environmental Authorisations</b>	<b>18 October 2019</b>  <b>By Email</b>	<b>From:</b> EIAAdmin <EIAAdmin@environment.gov.za> <b>Sent:</b> Friday, October 18, 2019 9:01 AM <b>To:</b> Ashlin Bodasing <AshlinB@arcusconsulting.co.za>; Projects <Projects@arcusconsulting.co.za>; Sheldon Vandrey <Sheldon.vandrey@edf-re.co.za>; D. Moleko <dmoleko@ncpg.gov.za>; mpela@umsobomvumun.co.za <mpela@umsobomvumun.co.za>; Gerry Pienaar <Gerry.Pienaar@dedia.gov.za> <b>Cc:</b> Azrah Essop <AEssop@environment.gov.za>; EIAAdmin <EIAAdmin@environment.gov.za> <b>Subject:</b> 14/12/16/3/3/2/1028/2/AM1  Good day.  Please find herein the attached letter for the above mentioned.  I hope you find all in order.  Thank you.	<b>Response provided to the attachment below and in Section 3.2 of the Final Amendment Report.</b>

Ref.	Name and Organisation	Date and Method	Comment	Response
<b>Draft Basic Assessment Report Phase</b>				
			Kind Regards, Integrated Environmental Authorisations: IEM Systems and Tools Coordination Tel (012) 399 8630 / 9370 / 9367 Email: <a href="mailto:EIAdmin@environment.gov.za">EIAdmin@environment.gov.za</a>	
	<b>Email attachment</b> <b>14/12/16/3/3/2/1028/2/AM1</b>		<p>DEA Reference: 14/12/16/3/3/1028/2/AM1            Enquiries: MS Azrah Essop            Telephone: (012) 399 8529 E-mail: <a href="mailto:AEssop@environment.gov.za">AEssop@environment.gov.za</a></p> <p>Ashlin Bodasing            Arcus Consultancy Services South Africa (Pty) Ltd            Office 607            Icon Building Cube Work Space            24 Hans Strijdom Avenue            CAPE TOWN            8001            Telephone Number: (021) 412 1529            Email Address: <a href="mailto:ashlinb@arcusconsulting.co.za">ashlinb@arcusconsulting.co.za</a> / <a href="mailto:projects@arcusconsulting.co.za">projects@arcusconsulting.co.za</a></p> <p>PER MAIL / E-MAIL</p> <p>Dear Ms Bodasing</p> <p>COMMENTS ON THE DRAFT AMENDMENT REPORT FOR THE APPLICATION FOR SPLIT AMENDMENT OF THE ENVIRONMENTAL AUTHORISATION ISSUED ON 28 JUNE 2018 FOR THE PROPOSED 275MW PHEZUKOMOYA WIND ENERGY FACILITY, NEAR NOUPOORT, UMSOBOMVU AND INXUBA YETHEMBA LOCAL MUNICIPALITIES IN THE NORTHERN AND EASTERN CAPE PROVINCES</p> <p>The Environmental Authorisation (EA) issued for the above-mentioned application by this Department on 28 June 2018 (14/12/16/3/3/2/1028); the Application for Environmental Authorisation (EA) and Draft Amendment report received by the Department on 26 September 2019 and the acknowledgement letter from the Department dated 02 October 2019, refer.</p> <p>The application for amendment of the EA addresses the following:</p> <ol style="list-style-type: none"> <li>i. The applicant, Phezukomoya Wind Power (Pty) Ltd intends to split the EA for 14/12/16/3/3/2/1028 into two smaller projects within the authorised boundary, to be known as Phezukomoya Split 1 (separate application) and Hartebeesthoek Wind Energy Facility (this amendment application).</li> <li>ii. In addition, the applicant intends to amend the following               <ol style="list-style-type: none"> <li>a. Split of the authorised Phezukomoya WEF into two smaller projects within the authorised boundary i.e. Phezukomoya Split 1 and Hartebeesthoek Wind Energy Facilities (WEF) (Split 2 –</li> </ol> </li> </ol>	<p>Point (i.) to (v.) is true and correct.</p>

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			<p>HBH West);</p> <p>b. Name and coordinates of the development</p> <p>c. Change the holder of the authorisation to Hartebeesthoek Wind Power (Pty) Ltd;</p> <p>d. Hub Height of up to 137m, rotor diameter of 175m and turbine output of up to 6.2 MW;</p> <p>e. Project output of up to 74.4MW;</p> <p>f. Turbine numbers reduced to 12 turbines and</p> <p>g. A new final layout.</p> <p>iii. The amendment is requested as the authorised technology is no longer the most efficient turbine model and it will ensure their project is amongst the forefront of technological advancements. The amendment will result in fewer turbines with increased MW that would be less than or equal to the overall authorised 275 MW.</p> <p>iv. There are no amendments being applied for in terms of the grid connection and associated infrastructure related to the original EA with reference number 14/12/16/3/3/2/1028.</p> <p>v. Two separate amendment applications and reports have been submitted to the Department in order to facilitate the split of the EA. The applications are currently registered with the Department as 14/12/16/3/3/2/1028/1/AM1 and 14/12/16/3/3/2/1028/2/AM1.</p> <p><u>The Department has the following comments on the abovementioned application (14/12/16/3/3/2/1028/2/AM1):</u></p> <p><b>(a) Public Participation Process</b></p> <p>The following information must be submitted with the Final Amendment Report:</p> <p>i. A list of registered interested and affected parties as per Regulation 42 of the NEMA EIA Regulations, 2014, as amended:</p> <p>ii. Please ensure that copies of original comments received from I&amp;APs and organs of state, which have jurisdiction in respect of the proposed activity are submitted to the Department with the final Amendment Report. Kindly ensure that the Square Kilometer Array (SKA) comments and comments from this Department's Directorate Biodiversity and Conservation are included in the document.</p> <p>iii. Proof of correspondence with the various stakeholders, including organs of state which have jurisdiction in respect of the proposed activity, must be included in the final Amendment Report. Should you be unable to obtain such comments, proof should be submitted to</p>	<p>The list of registered interested and affected parties has been updated and is included in Appendix D, as per Regulation 42 of the NEMA EIA Regulations, 2014, as amended.</p> <p>All original comments received from organs of state and from I&amp;APs in respect of the proposed activity have been included in this final submission for authorisation in Appendix G and H. Where comments were not received from an organ of state within the comment period, the EAP followed up to request comment. Proof of this correspondence is also included in this final submission in Appendix G and H.</p> <p>Proof of all correspondence during the amendment application process is included in this final amendment report submission in Appendix G and H.</p>

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			<p>the Department of the attempts that were made to obtain the comments.</p> <p>iv. All issues raised and comments received during the circulation of the draft Amendment Report from I&amp;APs and organs of state which have jurisdiction in respect of the proposed activity are adequately addressed in the final amendment report, including comments from this Department, and must be incorporated into a Comments and Response Report;</p> <p>v. Please refrain from summarising comments made by I&amp;APs. All comments from I&amp;APs must be copied verbatim and responded to clearly. Please note that a response such as "noted" is not regarded as an adequate response to an I&amp;AP's comments.</p> <p><b>(b) General</b></p> <p>vi. The requirements of the acknowledgement letter 2 October 2019 must also be fulfilled.</p> <p>vii. The Department requires that you clearly indicate which conditions in the EA are applicable to the above project i.e. 14/12/16/3/3/2/1028/2/AM1. Ensure that the Environmental Management Programme (EMPr) has mitigations and measures applicable only to the abovementioned project as well.</p> <p>viii. Further, clearly indicate whether conditions for the grid infrastructure are to be removed in entirety or retained to some extent. It would be best to list which conditions of the EA are relevant to amendment process.</p> <p>ix. You are requested to submit one (1) unprotected electronic copy (1 CD / USB) and one (1) hard copy of the final Amendment Report to the Department. Please ensure that this copy contains an electronic version of the amendment application form.</p> <p>You are also advised to comply with the requirements of the Regulations 32 of the EIA Regulations 2014, as amended.</p> <p>Further note that in terms of Regulation 45 of the EIA Regulations 2014, this application will lapse if the applicant fails to meet any of the timeframes prescribed in terms of the these Regulations, unless an extension has been granted in terms of Regulation 3(7).</p> <p>You are hereby reminded of Section 24F of the National Environmental Management Act, Act No 107 of 1998, as amended, that no activity may</p>	<p>All issues raised and comments received during the comment period have been included in this report and responded to where applicable. The comments and response table (Appendix H) has been updated to reflect this.</p> <p>The EAP has not summarised any comments received. All comments included in the comments and response table, are included as they were received. Copies of the comments received have also been included to ensure that nothing has been misrepresented, see Appendix G and H.</p> <p>The requirements included in the acknowledgement letter dated 2 October 2019 have been fulfilled.</p> <p>The EAP has indicated which condition in the original EA are applicable to this project in Section 2.1 of the Amendment Report. The EMPr contained the mitigation measures applicable to this project.</p> <p>Table 2.3 lists the conditions of authorisation that are relevant to the amendment process. All conditions in the EA related to grid infrastructure are to be retained. The application for additional grid infrastructure is separate and will require additional set of conditions.</p> <p>One USB and one hard copy of the final report is submitted. The amendment application form has been included as requested.</p> <p>The EAP has complied with the requirements of the Regulations 32 of the EIA Regulations 2014, as amended.</p> <p>This is acknowledged and the EAP will ensure that the final report is submitted within the regulated timeframes.</p> <p>The applicant has been made aware of the Section 24F of NEMA, 1998, as amended.</p>

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			<p>commence prior to an environmental authorisation being granted by the Department.</p> <p>Yours sincerely Mr Sabelo Malaza Chief Director: Integrated Environmental Authorisations Department of Environmental Affairs Letter signed by: Mr Wayne Hector Designation: Deputy Director: Prioritised Infrastructure Projects Date: 17/10/2019</p>	
8	<b>Busang Sethole</b>  <b>Spectrum and Telecommunications Analyst</b>  <b>South African Radio Astronomy Observatory (SARAO)</b>	<b>21 October 2019</b>  <b>by Email</b>	<p><b>From:</b> Busang Sethole &lt;bsethole@ska.ac.za&gt; <b>Sent:</b> Monday, October 21, 2019 12:05 PM <b>To:</b> Projects &lt;Projects@arcusconsulting.co.za&gt; <b>Cc:</b> Musa Baloye &lt;mbaloye@ska.ac.za&gt; <b>Subject:</b> Fwd: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process</p> <p>Good Day Aneesha</p> <p>I am not sure if it is only me, but I am not able to find any downloadable documents on the link you have provided. Please may you kindly provide us with the full link where we can have this documents downloaded.</p> <p>BR</p> <p><b>Busang Sethole</b> <b>Spectrum and Telecommunications Analyst</b> South African Radio Astronomy Observatory (SARAO) Address: 17 Baker Street, Rosebank, Johannesburg, 2196 Tel: +27 (0) 11 268 3449   Cell+27 (0) 79 465 5064 Email: <a href="mailto:bsethole@ska.ac.za">bsethole@ska.ac.za</a> Website: <a href="http://www.ska.ac.za">www.ska.ac.za</a></p>	<p><b>From:</b> Projects &lt;Projects@arcusconsulting.co.za&gt; <b>Sent:</b> Tuesday, October 22, 2019 7:31 AM <b>To:</b> Busang Sethole &lt;bsethole@ska.ac.za&gt; <b>Cc:</b> Musa Baloye &lt;mbaloye@ska.ac.za&gt; <b>Subject:</b> Re: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process</p> <p>Good Day Busang,</p> <p>Thank you for your email. The downloadable links to the basic assessment reports are available.</p> <p>Please follow this direct link to the project on the Arcus website: <a href="https://arcusconsulting.co.za/projects/proposed-san-kraal-and-phezukomoya-amendments/">https://arcusconsulting.co.za/projects/proposed-san-kraal-and-phezukomoya-amendments/</a></p> <p>Please do not hesitate to contact should you have any further queries.</p> <p>Please note that the comment period closes on 25 October 2019, please confirm that your comment will be received in due time.</p> <p>Thank You, Regards Aneesah Alwie</p>
9	<b>Aneesah Alwie</b>  <b>EAP Assistant</b> <b>Arcus</b>	<b>22 October 2019</b>  <b>by Email</b>	<p><b>From:</b> Projects &lt;Projects@arcusconsulting.co.za&gt; <b>Sent:</b> Tuesday, October 22, 2019 7:43 AM <b>To:</b> Gerry Pienaar &lt;Gerry.Pienaar@dedea.gov.za&gt;; Projects &lt;Projects@arcusconsulting.co.za&gt; <b>Cc:</b> ncumisa.manyonga@dedea.gov.za &lt;ncumisa.manyonga@dedea.gov.za&gt; <b>Subject:</b> RE: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process</p> <p>Dear Gerry Pienaar,</p> <p>Following notification of the Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Reports, from the <b>26 September 2019</b> to the <b>25 October 2019 (both days inclusive)</b>, please can you confirm if the Department of Economic Development Environmental Affairs</p>	<p><b>No response received from Department of Economic Development Environmental Affairs and Tourism, Eastern Cape Provincial Department.</b></p>

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			<p>and Tourism, Eastern Cape Provincial Department, will be providing comment on the mentioned reports.</p> <p>If you have any questions or queries please do not hesitate to contact me.</p> <p>Thank You,</p> <p>Regards</p> <p>Aneesah Alwie</p>	
10	Aneesah Alwie EAP Assistant Arcus	22 October 2019 by Email	<p><b>From:</b> Projects &lt;Projects@arcusconsulting.co.za&gt;  <b>Sent:</b> Tuesday, October 22, 2019 7:48 AM  <b>To:</b> D. Moleko &lt;dmoleko@ncpg.gov.za&gt;; Projects &lt;Projects@arcusconsulting.co.za&gt;  <b>Cc:</b> denc@ncpg.gov.za &lt;denc@ncpg.gov.za&gt;  <b>Subject:</b> RE: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process</p> <p>Dear Dineo Moleko</p> <p>Following notification of the Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Reports, from the <b>26 September 2019</b> to the <b>25 October 2019 (both days inclusive)</b>, please can you confirm if the Department of Environment and Nature Conservation, Northern Cape Provincial Department, will be providing comment on the mentioned reports.</p> <p>If you have any questions or queries please do not hesitate to contact me.</p> <p>Thank You,</p> <p>Regards</p> <p>Aneesah Alwie</p>	<b>No response received from Department of Environment and Nature Conservation, Northern Cape Provincial Department.</b>
11	Aneesah Alwie EAP Assistant Arcus	22 October 2019 by Email	<p><b>From:</b> Projects &lt;Projects@arcusconsulting.co.za&gt;  <b>Sent:</b> Tuesday, October 22, 2019 7:56 AM  <b>To:</b> pmakitla@environment.gov.za &lt;pmakitla@environment.gov.za&gt;; slekota@environment.gov.za &lt;slekota@environment.gov.za&gt;; Projects &lt;Projects@arcusconsulting.co.za&gt;  <b>Subject:</b> RE: Notification of Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Process</p> <p>Dear Biodiversity Control Officers,</p> <p>Following notification of the Availability of the San Kraal and Phezukomoya WEF Amendments and Basic Assessment Reports, from the <b>26 September 2019</b> to the <b>25 October 2019 (both days inclusive)</b>, please can you confirm if the Department of Environment, Forestry &amp; Fisheries: Biodiversity Conservation Directorate, Department of Environmental Affairs, will be providing comment on the mentioned reports.</p> <p>If you have any questions or queries please do not hesitate to contact me.</p>	<b>No response received from Department of Environment, Forestry &amp; Fisheries: Biodiversity Conservation Directorate, Department of Environmental Affairs.</b>



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			Thank You, Regards Aneesah Alwie	