



## environmental affairs

Department:  
Environmental Affairs  
REPUBLIC OF SOUTH AFRICA

### APPLICATION FORM FOR ENVIRONMENTAL AUTHORISATION

	(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, 1998 (Act No. 107 of 1998), (the Act) and the Environmental Impact Assessment Regulations, 2010 (the Regulations)

#### PROJECT TITLE

Proposed Umsinde Emoyeni Wind Energy Facility Grid Connection, Near Murraysburg, Western Cape: Phase 1

#### Kindly note that:

1. This application form is current as of 1 April 2014. It is the responsibility of the applicant to ascertain whether subsequent versions of the form have been published or produced by the competent authority.
2. The application must be typed within the spaces provided in the form. The sizes of the spaces provided are not necessarily indicative of the amount of information to be provided. Spaces are provided in tabular format and will extend automatically when each space is filled with typing.
3. Where applicable **black out** the boxes that are not applicable in the form.
4. Incomplete applications will be rejected in terms of Regulation 13(2) of GN R. 543 and returned to the applicant for revision and resubmission.
5. The use of the phrase "not applicable" in the form must be done with circumspection. Should it be done in respect of material information required by the competent authority for assessing the application, it may result in the rejection of the application as provided for in the Regulations.
6. This application must be handed in at the offices of the relevant competent authority as determined by the Act and Regulations.
7. No faxed or e-mailed applications will be accepted. An electronic copy of the signed application form must be submitted together with two hardcopies (one of which must contain the original signatures).
8. Unless protected by law, all information filled in on this application form will become public information on receipt by the competent authority. Any interested and affected party should and shall be provided with the information contained in this application on request, during any stage of the application process.

9. Should a specialist report or report on a specialised process be submitted at any stage for any part of this application, the terms of reference for such report and declaration of interest of the specialist must also be submitted.
10. Proof of payment must accompany this application. The application will not be processed without proof of payment unless one of the exclusions provided for the Fee Regulations (Fees for consideration and processing of applications for environmental authorisations and amendments thereto Government Notice No.141, published on 28 February 2014) is applicable AND such information in section 1 of this application form has been confirmed by this Department.

### **Departmental Details**

The application must be addressed to the Chief Directorate: Integrated Environmental Authorisations at:

**Postal address:**

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

**Physical address:**

Department of Environmental Affairs  
Fedsure Forum Building (corner of Pretorius and Lillian Ngoyi Streets)  
4<sup>th</sup> Floor South Tower  
315 Pretorius Street  
Pretoria  
0002

Queries must be addressed to the contact below:

Tel: 012-395-1768  
Fax: 012-320-7539  
E-mail: [EIAAdmin@environment.gov.za](mailto:EIAAdmin@environment.gov.za)

***Please note that this form must be copied to the relevant provincial environmental department/s.***

View the Department's website at [http://www.environment.gov.za/](http://www.environment.gov.za) for the latest version of the documents.

1. **PROOF OF PAYMENT**

Applicants are required to tick the appropriate box below to indicate that either proof of payment is attached or that, in the applicant's view, an exclusion applies. Proof and a motivation for exclusions must be attached to this application form in **Appendix 1**.

Proof of payment attached as **Appendix 1**  Y

Exclusion applies

An applicant is excluded from paying fees if:

The activity is a community based project funded by a government grant; or  
The applicant is an organ of state.

TYPE OF EXCLUSION	Tick where applicable. Proper motivation must be attached to the application
The activity is a community based project funded by a government grant	
The applicant is an organ of state	

FEE AMOUNT	Fee
Application for an environmental authorisation for which basic assessment is required in terms of the Environmental Impact Assessment Regulations	R2 000
Application for an environmental authorisation, for which S&EIR is required in terms of the Environmental Impact Assessment Regulations	R10 000

Department of Environmental Affairs' details for the payment of application fees:

<p>Payment Enquiries: Tel: 012 310 3798/ 012 310 3117 Email: <a href="mailto:eiafee@environment.gov.za">eiafee@environment.gov.za</a></p> <p>Banking details: ABSA Bank Branch code: 632005 Account number: 1044 2400 72 Current account Reference number : Reference number to be provided in the specific format indicating centre point coordinates of site in decimal degrees to 5 or 6 decimal places: latitude/longitude eg. -33.918861/18.423300</p> <p>Proof of payment must accompany the application form: Indicate reference number below.</p> <p>Tax exemption status: Status: Tax exempted</p> <p>Reference number: -31.712326/23.666383</p>
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## 2. PROJECT DESCRIPTION

Please provide a **detailed** description of the project.

The project will consist of up to 65 km of above ground electrical transmission and distribution infrastructure to connect the proposed Umsinde Emoyeni Wind Energy Facility (WEF) (included in a the stand alone EA application for the WEF) to the Eskom national grid network.

Note: Distribution infrastructure is all that which is equal or below 132 kV and transmission is that which is above 132 kV.

The Project will start from the onsite substation from which electricity will be transferred via a (up to three) double circuit 132 kV overhead line to the existing Eskom Gamma substation which will be upgraded as described below.

The type of structures which will support the overhead lines is yet to be determined and may include:

- Concrete, steel or wood monopoles;
- Guy line supported steel structures;
- Free standing metal lattice towers; or
- Multi-pole structures such as H-towers or K-towers.

The route of the distribution infrastructure to the Eskom Gamma substation is yet to be determined but will fall within the area subject to this application. The route will include a servitude corridor of up to 73 m in width. The route of the distribution infrastructure will be determined during the EIA process including the specialist studies.

At the Eskom Gamma substation the distribution overhead lines will connect into a newly constructed 400/132 kV substation yard which will be located on a concrete foundation covering up to 600 m x 600 m. This will include transformers and switch gear required to connect the energy into the existing Eskom national grid network. A 400 kV transmission line turn-in intended to connect the Gamma Substation (or the newly to be constructed 400/132kV yard) with the nearby 400 kV transmission lines will require a power line servitude with a width of 55 m to be established. The exact route of this would be determined by Eskom if the project was granted consent however the potential environmental issues will be considered in the EIA process.

A WEF and grid development are currently being proposed at Ishwati neighbouring the site. In the event that both this project and Ishwati proceed the grid connection will be shorter than described above and will connect into the Ishwati grid infrastructure. The description above however identifies the worst case scenario and hence forms the basis of the EIA.

One EIA will be prepared for this Project as well as:

- Application for Umsinde Emoyeni Wind Energy Facility Near Murraysburg, Western Cape: Phase 1;
- Application for Umsinde Emoyeni Wind Energy Facility Near Murraysburg, Western Cape: Phase 2; and
- Application for Electrical Grid Connection and Associated Infrastructure for Umsinde Emoyeni Wind Energy Facility Near Murraysburg, Western Cape: Phase 2.



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**3. GENERAL INFORMATION**

Applicant name:	<b>EMOYENI WIND FARM PROJECT Proprietary Limited (EWFP)</b>		
Applicant ID number:	2008/015881/07		
Responsible position, e.g. Director, CEO, etc.:	<b>EMOYENI WIND FARM PROJECT Proprietary Limited (EWFP)</b>		
Company Trading name (if any):	Managing Director		
Company Registration no (if any):	Peter Venn		
	Unit 3 Demar Square 45 Bell Crescent Close Westlake business Park 7945		
Contact person (if different to project applicant):	Postnet Suite Private Bag X26 Cape Town		
Physical address:	<b>EMOYENI WIND FARM PROJECT Proprietary Limited (EWFP)</b>		
Postal address:	2008/015881/07		
Postal code:	7966	Cell:	083 689 3063
Telephone:	021 701 1292	Fax:	021 702 4053
E-mail:	peter.venn@windlab.com	BBBEE status	3
Provincial Authority:	Western Cape Department of Environmental Affairs and Development Planning		
Contact person:	Directorate: Integrated Environmental Management (Region A1) Mr Kobus Munro		
Postal address:	Private Bag X 6509 George		
Postal code:	6530	Cell:	n/a
Telephone:	044 805 8600	Fax:	021 874 2423
E-mail:	kobus.munro@westerncape.gov.za		
Provincial Authority:	Northern Cape Department of Environmental Affairs and Nature Conservation		
Contact person:	Impact Assessment Ms Dineo Moleko		
Postal address:	Private Bag X6102Kimberly		
Postal code:	8300	Cell:	n/a
Telephone:	053 807 7467	Fax:	053 831 3530
E-mail:	dmoleko@ncpg.gov.za		
Local municipality			
Contact person:			
Postal address:			
Postal code:		Cell:	
Telephone:		Fax:	

E-mail:

In instances where there is more than one local authority involved, please attach a list of those local authorities with their contact details as **Appendix 3**.

Landowner:			
Contact person:			
Postal address:			
Postal code:		Cell:	
Telephone:		Fax:	
E-mail:			

In instances where there is more than one landowner, please attach a list of those landowners with their contact details as **Appendix 4**. If the applicant is not the owner or person in control of the land, proof of notice to the landowner or person in control of the land on which the activity is to be undertaken must be submitted in **Appendix 4**.

Identified Competent Authority to consider the application:	Department of Environmental Affairs (DEA)
Reason(s) in terms of S 24C of NEMA 1998 as amended	<p>The Project is being developed by an Independent Power Producer (IPP). As stated in Department of Environmental Affairs and Tourism Notice 162 of 2010, Section 4.1, the "Provincial environmental authorities have agreed that the DEA shall also be the Competent Authority for EIA applications from IPPs or those involving co-generation, where these are included in the NERP (National Electricity Response Plan)".</p> <p>Furthermore this Project boundary spans two provinces, the Northern and Western Cape.</p> <p>The relevant provincial environmental authorities will be included, as a commenting authority, in the list of key Interested and Affected Parties.</p>

#### 4. ENVIRONMENTAL ASSESSMENT PRACTITIONER (EAP) INFORMATION

EAP:	Jennifer Slack		
Professional affiliation/registration:	Member of the South African branch of the International Association of Impact Assessment (IAIA-SA) Associate member of the Institute of Environmental Assessment and Management (IEMA) Certification to the Board of Environmental Assessment Practitioners of South Africa (EAP-SA) pending.		
Contact person (if different from EAP):	n/a		
Company:	Arcus Renewable Energy Consulting Ltd/EIMS		
Physical address:	Room 211 Cube Workspace Icon Building Cnr Long Street and Hans Strijdom Road Cape Town 8001		
Postal address:	PO Box 6191 Roggebaai		
Postal code:	8012	Cell:	0767428526
Telephone:	0214121529	Fax:	n/a
E-mail:	JenniferS@arcusconsulting.co.za		

If an EAP has not been appointed please ensure that an independent EAP is appointed as stipulated by Regulation 16 of GN R.543, dated June 2010, prior to the commencement of the process. The declaration of independence and the Curriculum Vitae (indicating the experience with environmental impact assessment and the relevant application processes) of the EAP must also be submitted to the Department.

## 5. SITE DESCRIPTION

Provide a detailed description of the site involved in the application.

Province	Western Cape	Northern Cape
District Municipality	Central Karoo	Pixley ka Seme
Local Municipality	Beaufort West	Ubuntu
Ward number(s)	1	3
Nearest town(s)	Murraysburg	Richmond
Farm name(s) and number(s)	<b>Murraysburg RD</b> Portion 0 (Remaining Extent) Of Farm No. 28 (Swavel Kranse) Portion 1 Of Farm No. 29 (Hout Kloof) Portion 2 (Kapoksfontein) Of the Farm De Hoop No. 30 Portion 3 (a portion of Portion1) Of the Farm De Hoop No. 30 Portion 1 of the Farm Matjeskloof No 27 The Farm Voetpad No 51 Remaining Extent of Farm 30 (De Hoop) Portion 7 (De Tafel)(Portion of Portion 2) of the Farm Driefontein No. 26 Portion 1 of the Farm MiddelValy No 52 Remainder of the Farm Klein Driefontien No. 152 Portion 3 (portion of portion 1) of the Farm Driefontein No 26 Remainder of portion 2 of the Farm Driefontein No 26 Portion 10 (a portion of Portion 1) of the Farm Driefontein No 26 The Farm Rhenosterfontein No. 50 Portion 7 (a portion of Portion 6) of the Farm Witteklip No 32 Portion 1 of Farm Klein Driefontein No.152 Portion 2 (portion of portion 9) of the Farm Witteklip No. 32 Remainder of Portion 1 (Springfontein) of the Farm De Hoop No 30 Portion 4 of the Farm De Hoop No 30 Portion 4 (a portion of portion 1) of the Farm Driefontein No 26 Portion 2 (Hartebeesfontein) of the Farm Swavel Kranse No 28 Remainder of the Farm Leeuwenfontein No. 6 Portion 2 of the Farm Leeuwenfontein No. 6 Remainder of Portion 1 (Zwaggershoek-Success) of the Farm Leeuwenfontein No. 6 Portion 2 (portion of portion 1) of the Farm Allemansfontein No. 7 Portion 3 (Voorspoed) (Portion of portion 1) of the Farm Leeuwenfontein No. 6 Portion 4 (Spes Bona) (a portion of portion 1) of the	



	<p>Farm Allemansfontein No. 7  The Farm Klein Los Kop No. 5  Portion 3 (Rooi Koppies) of the Farm Driefontein No. 8  Remainder of the Farm Driefontein No. 8  Portion 1 (Krieger's Fontein) of the Farm Driefontein No. 8  The Farm Riet Poort No. 9  Portion 3 of the Farm Badfontein No. 10  Remainder of the Farm Schietkuil No. 3  Portion 2 of the Farm Schietkuil No. 3</p> <p><b>Richmond RD</b>  Portion 1 of the farm Klipplaat No 109 *  Portion 3 (portion of Portion 2) of the farm Klipplaat No 109 *  [*Please note that these properties are recorded on the title deed as being in the Richmond RD, Northern Cape Province, however they are in the Murraysburg RD Western Cape Province. The project applicant is assisting the landowner to have the title deed amended so as to reflect the correct Registration Division and Province.]  Portion 4 (Annex Klipplaat) (a portion of portion 2) of the Farm Klipplaat No 109  Portion 7 (Middelste Rivier) of the Farm Klipplaat No 109  Portion 6 Of Farm 109 (Klipplaat)  The Remainder of Portion 2 of the Farm Klipplaat No. 109  The Remainder of the Farm Klipplaat No.109</p>
Portion number(s)	Please note the portion numbers are included in the property descriptions as per the respective title deeds in the above cell.

SG 21 Digit Code(s)

(If there are more than 4, please attach a list with the rest of the codes as **Appendix 5**)

1	2	3	4	5															

Are there any other applications for Environmental Authorisation on the same property?		YES	<input checked="" type="checkbox"/>
If YES, please indicate the following:			
Competent Authority	Department of Environmental Affairs		
Reference Number	12/12/20/2351 14/12/16/3/3/2/410 14/12/16/3/3/2/411		
Project Name	Ishwati Emoyeni Wind Energy Facility Eskom Transmission Grid Connection Infrastructure Eskom Distribution Grid Connection Infrastructure		

Please provide details of the steps taken to ascertain this information:  
 The above mentioned applications apply to a certain area within the site boundary. Landowners of the entire site will be contacted to confirm if there are any further relevant environmental authorizations of relevance.

## 6. ACTIVITIES TO BE AUTHORISED

For an application for authorisation that involves more than one listed activity that, together, make up one development proposal, all the listed activities pertaining to this application must be indicated.

<b>Detailed description of listed activities associated with the project</b>	
Listed activity as described in GN R.544, 545 and 546	Description of project activity that triggers listed activity – if activities in GN R. 546 are triggered, indicate the triggering criteria as described in the second column of GN R. 543
<i>e.g. GN R.544 Item XX(x): The construction of a bridge within 32m of a water course</i>	<i>e.g. A bridge measuring 5 m in height and 10m in length, no wider than 8 meters will be built over the Vaal river</i>
<b>GN R.544 (18 June 2010) National Environmental Management Act, 1998 (Act No. 107 of 1998) Listing Notice 1: List of Activities and Competent Authorities Identified in Terms of Sections 24(2) and 24D (Basic Assessment)</b>	
GN R.544 10 (i) The construction 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 kV.	The project will require the installation of 132 kV overhead lines.
GN R.544. 11 (iii) (x) and (xi) The construction of: (iii) bridges; (x) buildings exceeding 50 m <sup>2</sup> in size; or (xi) infrastructure or structures covering 50 m <sup>2</sup> or more where such construction occurs within a watercourse or within 32 m of a watercourse, measured from the edge of a watercourse, excluding where such construction will occur behind the development setback line.	In the event access is required over watercourses to construct the grid connection bridges maybe required.  The substation building footprint if not known and may trigger this clause.  The total footprint of the infrastructure and structures is likely to exceed 50 m <sup>2</sup> but this will be confirmed as the design process proceeds throughout the EIA process.  The location of these installations in relation to watercourses will be determined throughout the EIA process.
GN R.544 13. The construction 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 but not exceeding 500 m <sup>3</sup> .	Fuel may be required to be stored on the site for the onsite machinery primarily during the construction phase. This will be stored at a volume of less than 500 m <sup>3</sup> .  The proposed Substations are likely to require the use of transformer oils and other hazardous substances, during the operational phase. The combined volumes will be determined at a later stage, but may exceed the

	specified thresholds
GN R.544 18. (i) The infilling or depositing of any material of more than 5 cubic metres into, or the dredging, excavation, removal or moving of soil, sand, shells, shell grit, pebbles or rock from (i) a watercourse	Borrow pits for the sourcing of aggregate material maybe required on the project site. It is not yet known the location of these in relation to watercourses however this clause may be triggered depending on the availability of aggregate locations.
GN R.544 23. (ii) The transformation of undeveloped, vacant or derelict land to – (ii) residential, retail, commercial, recreational, industrial or institutional use, outside an urban area and where the total area to be transformed is bigger than 1 hectare but less than 20 hectares;	The project is located on currently undeveloped land. The combined footprint of the grid infrastructure may, cumulatively, exceed 1 hectare but is likely to be less than 20 hectares.  The final footprint will be confirmed through the EIA process.
GN R.544 24. The transformation of land bigger than 1000 m <sup>2</sup> in size, to residential, retail, commercial, industrial or institutional use, where, at the time of the coming into effect of this Schedule such land was zoned open space, conservation or had an equivalent zoning.	According to the available spatial data there are no designated conservation or public open space areas within the Project. However this will be clarified through the consultations with the relevant local authority during the EIA process.
GN R.544. 26. Any process or activity identified in terms of section 53(1) of the National Environmental Management: Biodiversity Act, 2004 (Act No. 10 of 2004).	At present this section of the NEMBA is not yet defined so it does not apply at this time. However in the event that this comes into force during the EIA process and protected species are found to be present due regard would be given to its content.
GN R.544. 27 (ii) The decommissioning of existing facilities or infrastructure, for – electricity transmission and distribution with a threshold of more than 132 kV;	In the event any electrical infrastructure is required to be removed to be upgraded this clause may be triggered. This will only be determined during the EIA.
GN R.544. 38. The expansion of facilities for the transmission and distribution of electricity where the expanded capacity will exceed 275 kV and the development footprint will increase.	The project will install a network of infrastructure for the transfer for electricity to the existing Eskom grid network. Depending in the tie in arrangement with the existing Eskom substation there may be a need to expand or alter the existing Eskom Transmission infrastructure within and adjacent to the substation.
GN R.544. 39 (iii) The expansion of: (iii) bridges within a watercourse or within 32 m of a watercourse, measured from the edge of a watercourse, where such expansion will result in an increased development footprint.	In the event a bridge is located which is required to access the construction route but requires upgrading this maybe expanded through this project. It is not yet known if this will be required at this stage.
GN R.544. 47. (i) and (ii) The widening of a road by more than 6 m, or the lengthening of a road by more than 1 km - (i) where the existing reserve is wider than 13,5 m; or (ii) where no reserve exists, where the existing road is wider than 8 m.	Where roads are present and may require widening for access reasons during construction this clause maybe applicable.
<b>GN R.545 (18 June 2010)</b>	

<b>National Environmental Management Act, 1998 (Act No. 107 of 1998)</b> <b>Listing Notice 2: List of Activities and Competent Authorities Identified in Terms of Sections 24(2) and 24D (Scoping and EIA)</b>	
GN R.545. 8. The construction of facilities or infrastructure for the transmission and distribution of electricity with a capacity of 275 kV or more, outside an urban area or industrial complex.	A 400 kV line will be required at least as a new turn-in from the gamma substation to an existing Eskom 400kV line. The voltage of other lines within the Project will be confirmed during the detail electrical engineering design process.
GN. R545. 15. Physical alteration of undeveloped, vacant or derelict land for residential, retail, commercial, recreational, industrial or institutional use where the total area to be transformed is 20 Ha or more.	The footprint of the project is not yet known and the need for this clause will be confirmed through the detailed design.
<b>GN R.546 (18 June 2010)</b> <b>National Environmental Management Act, 1998 (Act No. 107 of 1998)</b> <b>Listing Notice 3: List of Activities and Competent Authorities Identified in Terms of Sections 24(2) and 24D (Basic Assessment)</b>	
GN. R.546. 4. The construction of a road wider than 4 m with a reserve less than 13.5 m. <b>(d) In Western Cape:</b> ii. All areas outside urban areas;	Access tracks will be required between the grid infrastructure for construction and maintenance purposes. These will be unsealed and will likely be between 4-9m in width however this will be confirmed throughout the EIA process.  The site covers a small portion that falls within the Karoo Escarpment Grassland (NPAESFA) of the Western Cape Province.  The majority of the proposed site falls outside of urban areas.
GN. R.546. 10. The construction of facilities or infrastructure for the storage, or storage and handling of a dangerous good, where such storage occurs in containers with a combined capacity of 30 but not exceeding 80 m <sup>3</sup> <b>(a) In Northern Cape Province:</b> ii. Outside urban areas, in: (ii) Areas on the watercourse side of the development setback line or within 100m from the edge of a watercourse where no such setback line has been determined. <b>(e) In Western Cape:</b> ii. All areas outside urban areas;	Storage of fuel on site, for use during the construction phase, will be required. The volume stored will be less than 500 m <sup>3</sup> .  The proposed Substations are likely to require the use of transformer oils and other hazardous substances, during the operational phase. The combined volumes will be determined at a later stage, but may exceed the specified thresholds.  The majority of the proposed study area falls outside of urban areas. Considering the extensive size of the proposed study area and the extent of potential watercourses within the study area, there is a possibility that fuel storage facilities may be located within 100m from the edge of a watercourse. The exact volumes and locations for such storage facilities will be determined during the EIA process.
GN. R.546. 12. The clearance of an area of 300 m <sup>2</sup> or more of vegetation where 75% or more of the vegetative cover constitutes indigenous vegetation.	
GN. R.546. 13	The area of vegetation to be removed, and the nature

<p>The clearance of an area of 1 Ha or more of vegetation where 75% or more of the vegetative cover constitutes indigenous Vegetation.</p> <p><b>(b) National Protected Area Expansion Strategy Focus Areas (NPAESFA).</b></p> <p><b>(c) In the Northern Cape and Western Cape:</b></p> <p>ii. Outside urban areas, the following:</p> <p>(bb) National Protected Area Expansion Strategy Focus Areas (NPAESFA)</p>	<p>of this vegetation, will be determined through the ongoing design and the specialists ecological studies.</p> <p>Considering the extent of the project study area and the undeveloped nature of the receiving environment, it is possible that this activity will be triggered. The applicability of this activity will be determined during the EIA process.</p> <p>The site covers a small portion that falls within the Karoo Escarpment Grassland (NPAESFA) of the Western Cape Province.</p>
<p>GN. R.546. 14</p> <p>The clearance of an area of 5 Ha or more of vegetation where 75% or more of the vegetative cover constitutes indigenous Vegetation....</p> <p><b>(a) In the Northern Cape and Western Cape:</b></p> <p>i. All areas outside urban areas.</p>	<p>The area of vegetation to be removed, and the nature of this vegetation, will be determined through the ongoing design and the specialists ecological studies.</p> <p>Considering the extent of the project study area and the undeveloped nature of the receiving environment, it is possible that this activity will be triggered. The applicability of this activity will be determined during the EIA process.</p>
<p>GN. R.546. 16 (iii) and (iv)</p> <p>The construction of:</p> <p>(iii) buildings with a footprint exceeding 10 m<sup>2</sup> in size; or</p> <p>(iv) infrastructure covering 10 m<sup>2</sup> or more where such construction occurs within a watercourse or within 32 m of a watercourse, measured from the edge of a watercourse.</p> <p><b>(d) In the Western Cape:</b></p> <p>ii. Outside Urban Areas, In:</p> <p>(bb) National Protected Area Expansion Strategy Focus Areas (NPAESFA).</p>	<p>The majority of the proposed study area falls outside of urban areas. Considering the extensive size of the proposed study area and the extent of potential watercourses within the study area, there is a possibility that construction of infrastructure and buildings may be located within 32m from the edge of a watercourse.</p> <p>The site covers a small portion that falls within the Karoo Escarpment Grassland (NPAESFA) of the Western Cape Province.</p>
<p>GN. R.546. 19.</p> <p>The widening of a road by more than 4 m, or the lengthening of a road by more than 1 km.</p> <p><b>(a) In the Northern Cape:</b></p> <p>ii. Outside urban areas, in:</p> <p>(ii) Areas on the watercourse side of the development setback line or within 100m from the edge of a watercourse where no such setback line has been determined</p> <p><b>(d) In the Western Cape:</b></p> <p>ii. All areas outside urban areas.</p>	<p>Where existing tracks/roads exist within the site these maybe widened or lengthened to facilitate the access tracks of 4-9m which will be used to access the turbines.</p> <p>The proposed study area falls outside of urban areas. Considering the extensive size of the proposed study area and the extent of potential watercourses within the study area, there is a possibility that roads may be upgraded and may be located within 100m from the edge of a watercourse. The exact extents and locations for such storage facilities will be determined during the EIA process.</p>

Please note that any authorisation that may result from this application will only cover activities specifically applied for. Co-ordinate points indicating the location of each listed activity must be provided with the relevant report (i.e. either BAR or EIR).

Please provide a project map indicating any sensitive areas (e.g. critical biodiversity area, World Heritage Site, etc.) overlaid by the study area in **Appendix 6**.

A project schedule, indicating the different phases and timelines of the project, must be attached as **Appendix 7**.

## **7. PUBLIC PARTICIPATION**

Provide details of the public participation process proposed for the application as required by Regulation 54(2) of GN R. 543, dated June 2010.

The Public Participation Process (PPP) will take place throughout the EIA process. The main purpose of the PPP is:

- To identify Interested and Affected Parties (I&APs) that will be affected by the proposed activity;
- To identify parties that have an interest in the proposals and/or the environment under consideration;
- Establish a record of the procedure by which I&APs were identified and afforded the opportunity to participate at all appropriate stages of the process;
- The provision of opportunities to I&APs to express their views regarding the scope of the Environmental Reports, including alternatives and issues that were investigated;
- Provide a detailed list of issues that were identified and in particular, environmental issues; and
- Maintain a record of all correspondence and views of I&APs.

### Interested and Affected Party Identification

The identification of Interested and Affected Parties (I&APs) or stakeholders will be carried out in three separate tasks namely:

- I&APs identified during the screening process (i.e. available stakeholder information review);
- I&APs identified as landowners within the study area; and
- I&APs who register as a result of the advertising and notification process.

Landowners will be identified through three main mechanisms, namely:

- Available databases from previous project within the vicinity of the study area, etc;
- Landowner information obtained from a detailed deeds search (if required); and
- One on one consultation with the landowners within the study area.

I&APs will be registered on a Microsoft Excel database and will be split into a landowner database and a database containing the information of all other key stakeholders (to be referred to as key I&APs). The I&AP databases will include the full contact details of all parties identified and contacted in the EIA process and all parties who reply to advertisements and other notices or contact the PPP consultant regarding the proposed project.

The I&AP database will be expanded and updated throughout the span of the project and will be represented spatially on the GIS mapping.

### Consultation Events

In accordance with the requirements of Regulation 54 of GN R. 543 the following public consultation

events will be undertaken:

- Initial notification:
  - Site notice placement (60 notices, 30 in English and 30 in Afrikaans) at key points in the vicinity of the study area;
  - Distribution of notification letters, faxes and/or emails (letters in English and Afrikaans, and will include an map of study area, a Background Information Document, and registration/ comment sheet) to all registered I&APs;
  - Advertisements (in English and Afrikaans) placed in the following newspapers: The Courier (covering areas near Murraysburg in the Western Cape) and Die Burger (covering areas near Richmond in the Northern Cape) to accommodate the span of the proposed study area.; and
  - Placement of A3 notices (in English and Afrikaans) at public locations (e.g. Murraysburg and Richmond police stations; Murraysburg and Richmond public libraries; shopping centres or supermarkets in Murraysburg and Richmond; etc.).
- Scoping Phase:
  - Draft Scoping Report (DSR) available for public review at the Murraysburg and Richmond Libraries, the Ubuntu and Beaufort West local municipalities, as well as the EIMS website. The comment period for reviewing the DSR will be 45 days;
  - Notification letters, faxes and/or emails will be distributed to registered I&APs (including all affected landowners) regarding the availability of the DSR for comment; and
  - A public meeting to present findings of the DSR will be arranged and the details thereof included in the notification regarding the availability of the DSR.
- EIA Phase:
  - Draft EIA Report (DEIR) available for public review at the Murraysburg and Richmond Libraries, the Ubuntu and Beaufort West local municipalities, as well as the EIMS website. The comment period for reviewing the DEIR will be 45 days;
  - Notification letters, faxes and/or emails will be distributed to registered I&APs (including all affected landowners) regarding the availability of the DEIR for comment; and
  - A public meeting to present findings of the DEIR will be arranged and the details thereof included in the notification regarding the availability of the DEIR.

#### Ongoing Communication

Throughout the project, stakeholders will be encouraged to get into contact with the PPP team to raise issues, ask questions or make suggestions. Communication will be via telephone or in written form. Once a contact has been made, the issue/question/suggestion will be logged on the Issues and Responses Report and a response will be provided to the stakeholder.

#### Issues and Response Report

An Issues and Responses Report (IRR) will be compiled for the project. This report will represent a living record of the public consultation process. The IRR will capture the following information:

- Date of comment/question;
- Method of comment/question (e.g. public meeting, letter, etc.);
- Name and organisation of the person who made the comment/asked the question;
- The comment/question. The IRR will be grouped according to the themes of the issues and concerns raised; and

- An answer to the question/response to the comment or a reference as to where such information may be obtained in the Scoping Report and EIR.

The final IRR will include a column which will reflect the associated section in the Draft Environmental Management Plan (EMP) and/or Final EIR in which the issue is addressed.

Informing stakeholders of the Record of Decision (RoD)

At the end of the project, the relevant competent authority will issue an Environmental Authorisation, should the project be approved. Notification regarding the competent authority's decision and the appeal procedure will be distributed to all registered I&APs within 12 days of the issuing of the decision. This task will include the advertisement of the EA in the same newspapers used for advert previous notifications.

The appeal process will be carried out in accordance with the requirements of the EIA Regulations.

**8. OTHER AUTHORISATIONS REQUIRED**

LEGISLATION	AUTHORISATION REQUIRED		APPLICATION SUBMITTED	
<b>SEMA's</b>				
National Environmental Management: Air Quality Act	■	NO	■	NO
National Environmental Management: Biodiversity Act <sup>1</sup>	YES	NO	■	NO
National Environmental Management: Integrated Coastal Management Act	■	NO	■	NO
National Environmental Management: Protected Areas Act	■	NO	■	NO
National Environmental Management: Waste Act <sup>2</sup>	YES	NO	■	NO
<b>National legislation</b>				
Mineral Petroleum Development Resources Act	YES	■	■	NO
National Water Act <sup>3</sup>	YES	NO	■	NO
National Heritage Resources Act <sup>4</sup>	YES	■	■	NO
Others: Please specify	■	NO	■	NO

1. The Biodiversity Act requires certain permits for the disturbance of specific species. As yet as the EIA has not yet started the presence of these species is not yet known and hence it cannot be determined if a permit will be required under this Act. This will be determined through the EIA process.
2. In the event stockpiling of materials is required this may be covered by the Waste Act. Similarly this will be confirmed through the EIA process.
3. The National Water Act (Act No. 36 of 1998) may require a Water Use License to be obtained for the Project. This will be determined as the EIA process and Project design progresses. A Water Specialist has been appointed and will provide guidance and inputs on this matter. Liaison with the Department of Water Affairs will continue throughout the EIA process. In the event it is required the permits will be applied for after the EIA process is complete in line with the requirements of the Department of Water Affairs.
4. The Heritage Resource Act (Act No. 25 of 1999) Authorisation will be required for the Project and will be applied for by the appointed Heritage Specialist through liaison with Heritage Western Cape and South African Heritage Resources Agency (SAHRA).

If authorisation is necessary in terms of the National Environmental Management: Waste Act, please contact the Department for guidance on the **Integrated Permitting System**.

**9. LIST OF APPENDICES**

		SUBMITTED	
Appendix 1	Proof of Payment	YES	■





## environmental affairs

Department:  
Environmental Affairs  
REPUBLIC OF SOUTH AFRICA

### APPLICATION FORM FOR ENVIRONMENTAL AUTHORISATION

	(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, 1998 (Act No. 107 of 1998), (the Act) and the Environmental Impact Assessment Regulations, 2010 (the Regulations)

#### PROJECT TITLE

Proposed Umsinde Emoyeni Wind Energy Facility Grid Connection, Near Murraysburg, Western Cape: Phase 2

#### Kindly note that:

1. This application form is current as of 1 April 2014. It is the responsibility of the applicant to ascertain whether subsequent versions of the form have been published or produced by the competent authority.
2. The application must be typed within the spaces provided in the form. The sizes of the spaces provided are not necessarily indicative of the amount of information to be provided. Spaces are provided in tabular format and will extend automatically when each space is filled with typing.
3. Where applicable **black out** the boxes that are not applicable in the form.
4. Incomplete applications will be rejected in terms of Regulation 13(2) of GN R. 543 and returned to the applicant for revision and resubmission.
5. The use of the phrase "not applicable" in the form must be done with circumspection. Should it be done in respect of material information required by the competent authority for assessing the application, it may result in the rejection of the application as provided for in the Regulations.
6. This application must be handed in at the offices of the relevant competent authority as determined by the Act and Regulations.
7. No faxed or e-mailed applications will be accepted. An electronic copy of the signed application form must be submitted together with two hardcopies (one of which must contain the original signatures).
8. Unless protected by law, all information filled in on this application form will become public information on receipt by the competent authority. Any interested and affected party should and shall be provided with the information contained in this application on request, during any stage of the application process.

9. Should a specialist report or report on a specialised process be submitted at any stage for any part of this application, the terms of reference for such report and declaration of interest of the specialist must also be submitted.
10. Proof of payment must accompany this application. The application will not be processed without proof of payment unless one of the exclusions provided for the Fee Regulations (Fees for consideration and processing of applications for environmental authorisations and amendments thereto Government Notice No.141, published on 28 February 2014) is applicable AND such information in section 1 of this application form has been confirmed by this Department.

#### **Departmental Details**

**The application must be addressed to the Chief Directorate: Integrated Environmental Authorisations at:**

**Postal address:**

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

**Physical address:**

Department of Environmental Affairs  
Fedsure Forum Building (corner of Pretorius and Lillian Ngoyi Streets)  
4<sup>th</sup> Floor South Tower  
315 Pretorius Street  
Pretoria  
0002

Queries must be addressed to the contact below:

Tel: 012-395-1768  
Fax: 012-320-7539  
E-mail: [EIAAdmin@environment.gov.za](mailto:EIAAdmin@environment.gov.za)

***Please note that this form must be copied to the relevant provincial environmental department/s.***

View the Department's website at <http://www.environment.gov.za/> for the latest version of the documents.

**1. PROOF OF PAYMENT**

Applicants are required to tick the appropriate box below to indicate that either proof of payment is attached or that, in the applicant's view, an exclusion applies. Proof and a motivation for exclusions must be attached to this application form in **Appendix 1**.

Proof of payment attached as **Appendix 1**  Y

Exclusion applies

An applicant is excluded from paying fees if:

The activity is a community based project funded by a government grant; or  
The applicant is an organ of state.

TYPE OF EXCLUSION	Tick where applicable. Proper motivation must be attached to the application
The activity is a community based project funded by a government grant	
The applicant is an organ of state	

FEE AMOUNT	Fee
Application for an environmental authorisation for which basic assessment is required in terms of the Environmental Impact Assessment Regulations	R2 000
Application for an environmental authorisation, for which S&EIR is required in terms of the Environmental Impact Assessment Regulations	R10 000

Department of Environmental Affairs' details for the payment of application fees:

<p>Payment Enquiries: Tel: 012 310 3798/ 012 310 3117 Email: <a href="mailto:eiafee@environment.gov.za">eiafee@environment.gov.za</a></p> <p>Banking details: ABSA Bank Branch code: 632005 Account number: 1044 2400 72 Current account Reference number : Reference number to be provided in the specific format indicating centre point coordinates of site in decimal degrees to 5 or 6 decimal places: latitude/longitude eg. -33.918861/18.423300</p> <p>Proof of payment must accompany the application form: Indicate reference number below.</p> <p>Tax exemption status: Status: Tax exempted</p> <p>Reference number: -31.740596/23.792357</p>
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## 2. PROJECT DESCRIPTION

Please provide a **detailed** description of the project.

The project will consist of up to 65 km of above ground electrical transmission and distribution infrastructure to connect the proposed Umsinde Emoyeni Wind Energy Facility (WEF) (included in a the stand alone EA application for the WEF) to the Eskom national grid network.

Note: Distribution infrastructure is all that which is equal or below 132 kV and transmission is that which is above 132 kV.

The Project will start from the onsite substation from which electricity will be transferred via a (up to three) double circuit 132 kV overhead line to the existing Eskom Gamma substation which will be upgraded as described below.

The type of structures which will support the overhead lines is yet to be determined and may include:

- Concrete, steel or wood monopoles;
- Guy line supported steel structures;
- Free standing metal lattice towers; or
- Multi-pole structures such as H-towers or K-towers.

The route of the distribution infrastructure to the Eskom Gamma substation is yet to be determined but will fall within the area subject to this application. The route will include a servitude corridor of up to 73 m in width. The route of the distribution infrastructure will be determined during the EIA process including the specialist studies.

At the Eskom Gamma substation the distribution overhead lines will connect into a newly constructed 400/132 kV substation yard which will be located on a concrete foundation covering up to 600 m x 600 m. This will include transformers and switch gear required to connect the energy into the existing Eskom national grid network. A 400 kV transmission line turn-in intended to connect the Gamma Substation (or the newly to be constructed 400/132kV yard) with the nearby 400 kV transmission lines will require a power line servitude with a width of 55 m to be established. The exact route of this would be determined by Eskom if the project was granted consent however the potential environmental issues will be considered in the EIA process.

A WEF and grid development are currently being proposed at Ishwati neighbouring the site. In the event that both this project and Ishwati proceed the grid connection will be shorter than described above and will connect into the Ishwati grid infrastructure. The description above however identifies the worst case scenario and hence forms the basis of the EIA.

One EIA will be prepared for this Project as well as:

- Application for Umsinde Emoyeni Wind Energy Facility Near Murraysburg, Western Cape: Phase 1;
- Application for Umsinde Emoyeni Wind Energy Facility Near Murraysburg, Western Cape: Phase 2; and
- Application for Electrical Grid Connection and Associated Infrastructure for Umsinde Emoyeni Wind Energy Facility Near Murraysburg, Western Cape: Phase 1.

Does the project form part of any of the Strategic Infrastructure Projects (SIPs) as described in the National Development Plan, 2011?	YES	<input checked="" type="checkbox"/>
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If YES, please indicate which SIPs are applicable in **Appendix 2**.  
Please note that you may be requested to provide confirmation of SIP applications from the relevant sector representative.  
Please indicate which sector the project falls under by crossing out the relevant block in the table below:

**Table 1**

[Redacted]		[Redacted]	
Infrastructure – electricity (generation, transmission & distribution)	Y	[Redacted]	
[Redacted]		[Redacted]	
[Redacted]		[Redacted]	
[Redacted]		[Redacted]	
[Redacted]		[Redacted]	
[Redacted]		[Redacted]	
[Redacted]		[Redacted]	
[Redacted]		[Redacted]	
[Redacted]		[Redacted]	
[Redacted]		[Redacted]	
[Redacted]		[Redacted]	
[Redacted]		[Redacted]	
[Redacted]		[Redacted]	
[Redacted]		[Redacted]	
[Redacted]		[Redacted]	
[Redacted]		[Redacted]	
[Redacted]		[Redacted]	
[Redacted]		[Redacted]	
[Redacted]		[Redacted]	
[Redacted]		[Redacted]	

**Table 2**

Does the listed activity/ies applied for form part of a larger project which is not a listed activity itself e.g. a road that is a listed activity that is needed to access a drilling site where the drilling does not constitute a listed activity.	<input checked="" type="checkbox"/>	NO
If indicated yes above, please provide a brief description on how the activity/ies relate to the larger project that forms part there of:		

--

### 3. GENERAL INFORMATION

Applicant name:	<b>EMOYENI WIND FARM PROJECT Proprietary Limited (EWFP)</b>		
Applicant ID number:	2008/015881/07		
Responsible position, e.g. Director, CEO, etc.:	<b>EMOYENI WIND FARM PROJECT Proprietary Limited (EWFP)</b>		
Company Trading name (if any):	Managing Director		
Company Registration no (if any):	Peter Venn		
	Unit 3 Demar Square 45 Bell Crescent Close Westlake business Park 7945		
Contact person (if different to project applicant):	Postnet Suite Private Bag X26 Cape Town		
Physical address:	<b>EMOYENI WIND FARM PROJECT Proprietary Limited (EWFP)</b>		
Postal address:	2008/015881/07		
Postal code:	7966	Cell:	083 689 3063
Telephone:	021 701 1292	Fax:	021 702 4053
E-mail:	peter.venn@windlab.com	BBBEE status	3
Provincial Authority:	Western Cape Department of Environmental Affairs and Development Planning		
Contact person:	Directorate: Integrated Environmental Management (Region A1) Mr Kobus Munro		
Postal address:	Private Bag X 6509 George		
Postal code:	6530	Cell:	n/a
Telephone:	044 805 8600	Fax:	021 874 2423
E-mail:	kobus.munro@westerncape.gov.za		
Provincial Authority:	Northern Cape Department of Environmental Affairs and Nature Conservation		
Contact person:	Impact Assessment Ms Dineo Moleko		
Postal address:	Private Bag X6102Kimberly		
Postal code:	8300	Cell	n/a
Telephone:	053 807 7467	Fax	053 831 3530
E-mail:	dmoleko@ncpg.gov.za		
Local municipality:			
Contact person:			
Postal address:			
Postal code:		Cell:	
Telephone:		Fax:	

E-mail:

In instances where there is more than one local authority involved, please attach a list of those local authorities with their contact details as **Appendix 3**.

Landowner:		
Contact person:		
Postal address:		
Postal code:	Cell:	
Telephone:	Fax:	
E-mail:		

In instances where there is more than one landowner, please attach a list of those landowners with their contact details as **Appendix 4**. If the applicant is not the owner or person in control of the land, proof of notice to the landowner or person in control of the land on which the activity is to be undertaken must be submitted in **Appendix 4**.

Identified Competent Authority to consider the application:	Department of Environmental Affairs (DEA)
Reason(s) in terms of S 24C of NEMA 1998 as amended	<p>The Project is being developed by an Independent Power Producer (IPP). As stated in Department of Environmental Affairs and Tourism Notice 162 of 2010, Section 4.1, the "Provincial environmental authorities have agreed that the DEA shall also be the Competent Authority for EIA applications from IPPs or those involving co-generation, where these are included in the NERP (National Electricity Response Plan)".</p> <p>Furthermore this Project boundary spans two provinces, the Northern and Western Cape.</p> <p>The relevant provincial environmental authorities will be included, as a commenting authority, in the list of key Interested and Affected Parties.</p>

#### 4. ENVIRONMENTAL ASSESSMENT PRACTITIONER (EAP) INFORMATION

EAP:	Jennifer Slack	
Professional affiliation/registration:	<p>Member of the South African branch of the International Association of Impact Assessment (IAIA-SA)</p> <p>Associate member of the Institute of Environmental Assessment and Management (IEMA)</p> <p>Certification to the Board of Environmental Assessment Practitioners of South Africa (EAP-SA) pending.</p>	
Contact person (if different from EAP):	n/a	
Company:	Arcus Renewable Energy Consulting Ltd/EIMS	
Physical address:	<p>Room 211 Cube Workspace</p> <p>Icon Building</p> <p>Cnr Long Street and Hans Strijdom Road</p> <p>Cape Town</p> <p>8001</p>	
Postal address:	<p>PO Box 6191</p> <p>Roggebaai</p>	
Postal code:	8012	Cell: 0767428526
Telephone:	0214121529	Fax: n/a
E-mail:	JenniferS@arcusconsulting.co.za	

If an EAP has not been appointed please ensure that an independent EAP is appointed as stipulated by Regulation 16 of GN R.543, dated June 2010, prior to the commencement of the process. The declaration of independence and the Curriculum Vitae (indicating the experience with environmental impact assessment and the relevant application processes) of the EAP must also be submitted to the Department.

## 5. SITE DESCRIPTION

Provide a detailed description of the site involved in the application.

Province	Western Cape	Northern Cape
District Municipality	Central Karoo	Pixley ka Seme
Local Municipality	Beaufort West	Ubuntu
Ward number(s)	1	3
Nearest town(s)	Murraysburg	Richmond
Farm name(s) and number(s)	<b>Murraysburg RD</b> Portion 0 (Remaining Extent) Of Farm No. 28 (Swavel Kranse) Portion 1 Of Farm No. 29 (Hout Kloof) Portion 2 (Kapoksfontein) Of the Farm De Hoop No. 30 Portion 3 (a portion of Portion1) Of the Farm De Hoop No. 30 Portion 1 of the Farm Matjeskloof No 27 The Farm Voetpad No 51 Remaining Extent of Farm 30 (De Hoop) Portion 7 (De Tafel)(Portion of Portion 2) of the Farm Driefontein No. 26 Portion 1 of the Farm MiddelValy No 52 Remainder of the Farm Klein Driefontien No. 152 Portion 3 (portion of portion 1) of the Farm Driefontein No 26 Remainder of portion 2 of the Farm Driefontein No 26 Portion 10 (a portion of Portion 1) of the Farm Driefontein No 26 The Farm Rhenosterfontein No. 50 Portion 7 (a portion of Portion 6) of the Farm Witteklip No 32 Portion 1 of Farm Klein Driefontein No.152 Portion 2 (portion of portion 9) of the Farm Witteklip No. 32 Remainder of Portion 1 (Springfontein) of the Farm De Hoop No 30 Portion 4 of the Farm De Hoop No 30 Portion 4 (a portion of portion 1) of the Farm Driefontein No 26 Portion 2 (Hartebeesfontein) of the Farm Swavel Kranse No 28 Remainder of the Farm Leeuwenfontein No. 6 Portion 2 of the Farm Leeuwenfontein No. 6 Remainder of Portion 1 (Zwaggershoek-Success) of the Farm Leeuwenfontein No. 6 Portion 2 (portion of portion 1) of the Farm Allemansfontein No. 7 Portion 3 (Voorspoed) (Portion of portion 1) of the Farm Leeuwenfontein No. 6 Portion 4 (Spes Bona) (a portion of portion 1) of the	





Please provide details of the steps taken to ascertain this information:  
 The above mentioned applications apply to a certain area within the site boundary. Landowners of the entire site will be contacted to confirm if there are any further relevant environmental authorizations of relevance.

## 6. ACTIVITIES TO BE AUTHORISED

For an application for authorisation that involves more than one listed activity that, together, make up one development proposal, all the listed activities pertaining to this application must be indicated.

<b>Detailed description of listed activities associated with the project</b>	
Listed activity as described in GN R.544, 545 and 546	Description of project activity that triggers listed activity – if activities in GN R. 546 are triggered, indicate the triggering criteria as described in the second column of GN R. 543
<i>e.g. GN R.544 Item XX(x): The construction of a bridge within 32m of a water course</i>	<i>e.g. A bridge measuring 5 m in height and 10m in length, no wider than 8 meters will be built over the Vaal river</i>
<b>GN R.544 (18 June 2010) National Environmental Management Act, 1998 (Act No. 107 of 1998) Listing Notice 1: List of Activities and Competent Authorities Identified in Terms of Sections 24(2) and 24D (Basic Assessment)</b>	
GN R.544 10 (i) The construction 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 kV.	The project will require the installation of 132 kV overhead lines.
GN R.544. 11 (iii) (x) and (xi) The construction of: (iii) bridges; (x) buildings exceeding 50 m <sup>2</sup> in size; or (xi) infrastructure or structures covering 50 m <sup>2</sup> or more where such construction occurs within a watercourse or within 32 m of a watercourse, measured from the edge of a watercourse, excluding where such construction will occur behind the development setback line.	In the event access is required over watercourses to construct the grid connection bridges maybe required.  The substation building footprint if not known and may trigger this clause.  The total footprint of the infrastructure and structures is likely to exceed 50 m <sup>2</sup> but this will be confirmed as the design process proceeds throughout the EIA process.  The location of these installations in relation to watercourses will be determined throughout the EIA process.
GN R.544 13. The construction 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 but not exceeding 500 m <sup>3</sup> .	Fuel may be required to be stored on the site for the onsite machinery primarily during the construction phase. This will be stored at a volume of less than 500 m <sup>3</sup> .  The proposed Substations are likely to require the use of transformer oils and other hazardous substances, during the operational phase. The combined volumes will be determined at a later stage, but may exceed the

	specified thresholds
GN R.544 18. (i) The infilling or depositing of any material of more than 5 cubic metres into, or the dredging, excavation, removal or moving of soil, sand, shells, shell grit, pebbles or rock from (i) a watercourse	Borrow pits for the sourcing of aggregate material maybe required on the project site. It is not yet known the location of these in relation to watercourses however this clause may be triggered depending on the availability of aggregate locations.
GN R.544 23. (ii) The transformation of undeveloped, vacant or derelict land to – (ii) residential, retail, commercial, recreational, industrial or institutional use, outside an urban area and where the total area to be transformed is bigger than 1 hectare but less than 20 hectares;	The project is located on currently undeveloped land. The combined footprint of the grid infrastructure may, cumulatively, exceed 1 hectare but is likely to be less than 20 hectares.  The final footprint will be confirmed through the EIA process.
GN R.544 24. The transformation of land bigger than 1000 m <sup>2</sup> in size, to residential, retail, commercial, industrial or institutional use, where, at the time of the coming into effect of this Schedule such land was zoned open space, conservation or had an equivalent zoning.	According to the available spatial data there are no designated conservation or public open space areas within the Project. However this will be clarified through the consultations with the relevant local authority during the EIA process.
GN R.544. 26. Any process or activity identified in terms of section 53(1) of the National Environmental Management: Biodiversity Act, 2004 (Act No. 10 of 2004).	At present this section of the NEMBA is not yet defined so it does not apply at this time. However in the event that this comes into force during the EIA process and protected species are found to be present due regard would be given to its content.
GN R.544. 27 (ii) The decommissioning of existing facilities or infrastructure, for – electricity transmission and distribution with a threshold of more than 132 kV;	In the event any electrical infrastructure is required to be removed to be upgraded this clause may be triggered. This will only be determined during the EIA.
GN R.544. 38. The expansion of facilities for the transmission and distribution of electricity where the expanded capacity will exceed 275 kV and the development footprint will increase.	The project will install a network of infrastructure for the transfer for electricity to the existing Eskom grid network. Depending in the tie in arrangement with the existing Eskom substation there may be a need to expand or alter the existing Eskom Transmission infrastructure within and adjacent to the substation.
GN R.544. 39 (iii) The expansion of: (iii) bridges within a watercourse or within 32 m of a watercourse, measured from the edge of a watercourse, where such expansion will result in an increased development footprint.	In the event a bridge is located which is required to access the construction route but requires upgrading this maybe expanded through this project. It is not yet known if this will be required at this stage.
GN R.544. 47. (i) and (ii) The widening of a road by more than 6 m, or the lengthening of a road by more than 1 km - (i) where the existing reserve is wider than 13,5 m; or (ii) where no reserve exists, where the existing road is wider than 8 m.	Where roads are present and may require widening for access reasons during construction this clause maybe applicable.
<b>GN R.545 (18 June 2010)</b>	

<b>National Environmental Management Act, 1998 (Act No. 107 of 1998)</b> <b>Listing Notice 2: List of Activities and Competent Authorities Identified in Terms of Sections 24(2) and 24D (Scoping and EIA)</b>	
GN R.545. 8. The construction of facilities or infrastructure for the transmission and distribution of electricity with a capacity of 275 kV or more, outside an urban area or industrial complex.	A 400 kV line will be required at least as a new turn-in from the gamma substation to an existing Eskom 400kV line. The voltage of other lines within the Project will be confirmed during the detail electrical engineering design process.
GN. R545. 15. Physical alteration of undeveloped, vacant or derelict land for residential, retail, commercial, recreational, industrial or institutional use where the total area to be transformed is 20 Ha or more.	The footprint of the project is not yet known and the need for this clause will be confirmed through the detailed design.
<b>GN R.546 (18 June 2010)</b> <b>National Environmental Management Act, 1998 (Act No. 107 of 1998)</b> <b>Listing Notice 3: List of Activities and Competent Authorities Identified in Terms of Sections 24(2) and 24D (Basic Assessment)</b>	
GN. R.546. 4. The construction of a road wider than 4 m with a reserve less than 13.5 m. <b>(d) In Western Cape:</b> ii. All areas outside urban areas;	Access tracks will be required between the grid infrastructure for construction and maintenance purposes. These will be unsealed and will likely be between 4-9m in width however this will be confirmed throughout the EIA process.  The site covers a small portion that falls within the Karoo Escarpment Grassland (NPAESFA) of the Western Cape Province.  The majority of the proposed site falls outside of urban areas.
GN. R.546. 10. The construction of facilities or infrastructure for the storage, or storage and handling of a dangerous good, where such storage occurs in containers with a combined capacity of 30 but not exceeding 80 m <sup>3</sup> <b>(a) In Northern Cape Province:</b> ii. Outside urban areas, in: (ii) Areas on the watercourse side of the development setback line or within 100m from the edge of a watercourse where no such setback line has been determined. <b>(e) In Western Cape:</b> ii. All areas outside urban areas;	Storage of fuel on site, for use during the construction phase, will be required. The volume stored will be less than 500 m <sup>3</sup> .  The proposed Substations are likely to require the use of transformer oils and other hazardous substances, during the operational phase. The combined volumes will be determined at a later stage, but may exceed the specified thresholds.  The majority of the proposed study area falls outside of urban areas. Considering the extensive size of the proposed study area and the extent of potential watercourses within the study area, there is a possibility that fuel storage facilities may be located within 100m from the edge of a watercourse. The exact volumes and locations for such storage facilities will be determined during the EIA process.
GN. R.546. 12. The clearance of an area of 300 m <sup>2</sup> or more of vegetation where 75% or more of the vegetative cover constitutes indigenous vegetation.	
GN. R.546. 13	The area of vegetation to be removed, and the nature

<p>The clearance of an area of 1 Ha or more of vegetation where 75% or more of the vegetative cover constitutes indigenous Vegetation.</p> <p><b>(b) National Protected Area Expansion Strategy Focus Areas (NPAESFA).</b></p> <p><b>(c) In the Northern Cape and Western Cape:</b></p> <p>ii. Outside urban areas, the following:</p> <p>(bb) National Protected Area Expansion Strategy Focus Areas (NPAESFA)</p>	<p>of this vegetation, will be determined through the ongoing design and the specialists ecological studies.</p> <p>Considering the extent of the project study area and the undeveloped nature of the receiving environment, it is possible that this activity will be triggered. The applicability of this activity will be determined during the EIA process.</p> <p>The site covers a small portion that falls within the Karoo Escarpment Grassland (NPAESFA) of the Western Cape Province.</p>
<p>GN. R.546. 14</p> <p>The clearance of an area of 5 Ha or more of vegetation where 75% or more of the vegetative cover constitutes indigenous Vegetation....</p> <p><b>(a) In the Northern Cape and Western Cape:</b></p> <p>i. All areas outside urban areas.</p>	<p>The area of vegetation to be removed, and the nature of this vegetation, will be determined through the ongoing design and the specialists ecological studies.</p> <p>Considering the extent of the project study area and the undeveloped nature of the receiving environment, it is possible that this activity will be triggered. The applicability of this activity will be determined during the EIA process.</p>
<p>GN. R.546. 16 (iii) and (iv)</p> <p>The construction of:</p> <p>(iii) buildings with a footprint exceeding 10 m<sup>2</sup> in size; or</p> <p>(iv) infrastructure covering 10 m<sup>2</sup> or more where such construction occurs within a watercourse or within 32 m of a watercourse, measured from the edge of a watercourse.</p> <p><b>(d) In the Western Cape:</b></p> <p>ii. Outside Urban Areas, In:</p> <p>(bb) National Protected Area Expansion Strategy Focus Areas (NPAESFA).</p>	<p>The majority of the proposed study area falls outside of urban areas. Considering the extensive size of the proposed study area and the extent of potential watercourses within the study area, there is a possibility that construction of infrastructure and buildings may be located within 32m from the edge of a watercourse.</p> <p>The site covers a small portion that falls within the Karoo Escarpment Grassland (NPAESFA) of the Western Cape Province.</p>
<p>GN. R.546. 19.</p> <p>The widening of a road by more than 4 m, or the lengthening of a road by more than 1 km.</p> <p><b>(a) In the Northern Cape:</b></p> <p>ii. Outside urban areas, in:</p> <p>(ii) Areas on the watercourse side of the development setback line or within 100m from the edge of a watercourse where no such setback line has been determined</p> <p><b>(d) In the Western Cape:</b></p> <p>ii. All areas outside urban areas.</p>	<p>Where existing tracks/roads exist within the site these maybe widened or lengthened to facilitate the access tracks of 4-9m which will be used to access the turbines.</p> <p>The proposed study area falls outside of urban areas. Considering the extensive size of the proposed study area and the extent of potential watercourses within the study area, there is a possibility that roads may be upgraded and may be located within 100m from the edge of a watercourse. The exact extents and locations for such storage facilities will be determined during the EIA process.</p>

Please note that any authorisation that may result from this application will only cover activities specifically applied for. Co-ordinate points indicating the location of each listed activity must be provided with the relevant report (i.e. either BAR or EIR).

Please provide a project map indicating any sensitive areas (e.g. critical biodiversity area, World Heritage Site, etc.) overlaid by the study area in **Appendix 6**.

A project schedule, indicating the different phases and timelines of the project, must be attached as **Appendix 7**.

## **7. PUBLIC PARTICIPATION**

Provide details of the public participation process proposed for the application as required by Regulation 54(2) of GN R. 543, dated June 2010.

The Public Participation Process (PPP) will take place throughout the EIA process. The main purpose of the PPP is:

- To identify Interested and Affected Parties (I&APs) that will be affected by the proposed activity;
- To identify parties that have an interest in the proposals and/or the environment under consideration;
- Establish a record of the procedure by which I&APs were identified and afforded the opportunity to participate at all appropriate stages of the process;
- The provision of opportunities to I&APs to express their views regarding the scope of the Environmental Reports, including alternatives and issues that were investigated;
- Provide a detailed list of issues that were identified and in particular, environmental issues; and
- Maintain a record of all correspondence and views of I&APs.

### Interested and Affected Party Identification

The identification of Interested and Affected Parties (I&APs) or stakeholders will be carried out in three separate tasks namely:

- I&APs identified during the screening process (i.e. available stakeholder information review);
- I&APs identified as landowners within the study area; and
- I&APs who register as a result of the advertising and notification process.

Landowners will be identified through three main mechanisms, namely:

- Available databases from previous project within the vicinity of the study area, etc;
- Landowner information obtained from a detailed deeds search (if required); and
- One on one consultation with the landowners within the study area.

I&APs will be registered on a Microsoft Excel database and will be split into a landowner database and a database containing the information of all other key stakeholders (to be referred to as key I&APs). The I&AP databases will include the full contact details of all parties identified and contacted in the EIA process and all parties who reply to advertisements and other notices or contact the PPP consultant regarding the proposed project.

The I&AP database will be expanded and updated throughout the span of the project and will be represented spatially on the GIS mapping.

### Consultation Events

In accordance with the requirements of Regulation 54 of GN R. 543 the following public consultation

events will be undertaken:

- Initial notification:
  - Site notice placement (60 notices, 30 in English and 30 in Afrikaans) at key points in the vicinity of the study area;
  - Distribution of notification letters, faxes and/or emails (letters in English and Afrikaans, and will include an map of study area, a Background Information Document, and registration/ comment sheet) to all registered I&APs;
  - Advertisements (in English and Afrikaans) placed in the following newspapers: The Courier (covering areas near Murraysburg in the Western Cape) and Die Burger (covering areas near Richmond in the Northern Cape) to accommodate the span of the proposed study area.; and
  - Placement of A3 notices (in English and Afrikaans) at public locations (e.g. Murraysburg and Richmond police stations; Murraysburg and Richmond public libraries; shopping centres or supermarkets in Murraysburg and Richmond; etc.).
- Scoping Phase:
  - Draft Scoping Report (DSR) available for public review at the Murraysburg and Richmond Libraries, the Ubuntu and Beaufort West local municipalities, as well as the EIMS website. The comment period for reviewing the DSR will be 45 days;
  - Notification letters, faxes and/or emails will be distributed to registered I&APs (including all affected landowners) regarding the availability of the DSR for comment; and
  - A public meeting to present findings of the DSR will be arranged and the details thereof included in the notification regarding the availability of the DSR.
- EIA Phase:
  - Draft EIA Report (DEIR) available for public review at the Murraysburg and Richmond Libraries, the Ubuntu and Beaufort West local municipalities, as well as the EIMS website. The comment period for reviewing the DEIR will be 45 days;
  - Notification letters, faxes and/or emails will be distributed to registered I&APs (including all affected landowners) regarding the availability of the DEIR for comment; and
  - A public meeting to present findings of the DEIR will be arranged and the details thereof included in the notification regarding the availability of the DEIR.

#### Ongoing Communication

Throughout the project, stakeholders will be encouraged to get into contact with the PPP team to raise issues, ask questions or make suggestions. Communication will be via telephone or in written form. Once a contact has been made, the issue/question/suggestion will be logged on the Issues and Responses Report and a response will be provided to the stakeholder.

#### Issues and Response Report

An Issues and Responses Report (IRR) will be compiled for the project. This report will represent a living record of the public consultation process. The IRR will capture the following information:

- Date of comment/question;
- Method of comment/question (e.g. public meeting, letter, etc.);
- Name and organisation of the person who made the comment/asked the question;
- The comment/question. The IRR will be grouped according to the themes of the issues and concerns raised; and

- An answer to the question/response to the comment or a reference as to where such information may be obtained in the Scoping Report and EIR.

The final IRR will include a column which will reflect the associated section in the Draft Environmental Management Plan (EMP) and/or Final EIR in which the issue is addressed.

Informing stakeholders of the Record of Decision (RoD)

At the end of the project, the relevant competent authority will issue an Environmental Authorisation, should the project be approved. Notification regarding the competent authority's decision and the appeal procedure will be distributed to all registered I&APs within 12 days of the issuing of the decision. This task will include the advertisement of the EA in the same newspapers used for advert previous notifications.

The appeal process will be carried out in accordance with the requirements of the EIA Regulations.

**8. OTHER AUTHORISATIONS REQUIRED**

LEGISLATION	AUTHORISATION REQUIRED		APPLICATION SUBMITTED	
<b>SEMA's</b>				
National Environmental Management: Air Quality Act	■	NO	■	NO
National Environmental Management: Biodiversity Act <sup>1</sup>	YES	NO	■	NO
National Environmental Management: Integrated Coastal Management Act	■	NO	■	NO
National Environmental Management: Protected Areas Act	■	NO	■	NO
National Environmental Management: Waste Act <sup>2</sup>	YES	NO	■	NO
<b>National legislation</b>				
Mineral Petroleum Development Resources Act	YES	■	■	NO
National Water Act <sup>3</sup>	YES	NO	■	NO
National Heritage Resources Act <sup>4</sup>	YES	■	■	NO
Others: Please specify	■	NO	■	NO

1. The Biodiversity Act requires certain permits for the disturbance of specific species. As yet as the EIA has not yet started the presence of these species is not yet known and hence it cannot be determined if a permit will be required under this Act. This will be determined through the EIA process.
2. In the event stockpiling of materials is required this may be covered by the Waste Act. Similarly this will be confirmed through the EIA process.
3. The National Water Act (Act No. 36 of 1998) may require a Water Use License to be obtained for the Project. This will be determined as the EIA process and Project design progresses. A Water Specialist has been appointed and will provide guidance and inputs on this matter. Liaison with the Department of Water Affairs will continue throughout the EIA process. In the event it is required the permits will be applied for after the EIA process is complete in line with the requirements of the Department of Water Affairs.
4. The Heritage Resource Act (Act No. 25 of 1999) Authorisation will be required for the Project and will be applied for by the appointed Heritage Specialist through liaison with Heritage Western Cape and South African Heritage Resources Agency (SAHRA).

If authorisation is necessary in terms of the National Environmental Management: Waste Act, please contact the Department for guidance on the **Integrated Permitting System**.

**9. LIST OF APPENDICES**

		SUBMITTED	
Appendix 1	Proof of Payment	YES	■



Appendix 1	Strategic Infrastructure Projects	YES		
Appendix 2	List of Local Municipalities (with contact details)	YES		
Appendix 3	List of land owners (with contact details) and proof of notification of land owners.	YES		
Appendix 4	List of SGIDs	YES		
Appendix 5	Project map	YES		
Appendix 6	Project schedule	YES		
Appendix 7	Declaration of Applicant	YES		
Appendix 9	Declaration of EAP	YES		

Appendix 1	Strategic Infrastructure Projects	YES		
Appendix 2	List of Local Municipalities (with contact details)	YES		
Appendix 3	List of land owners (with contact details) and proof of notification of land owners.	YES		
Appendix 4	List of SGIDs	YES		
Appendix 5	Project map	YES		
Appendix 6	Project schedule	YES		
Appendix 7	Declaration of Applicant	YES		
Appendix 9	Declaration of EAP	YES		

**APPENDIX 1**  
**PROOF OF PAYMENT/ MOTIVATION FOR EXCLUSION**



**NOTIFICATION OF PAYMENT**

To whom it may concern:

First National Bank hereby confirms that the following payment has been made:

Date Actioned : 2014-04-02  
Time Actioned : 14:49:36  
Trace ID : L4CNX8LB48

**Payer Details**

Payment From : WINDLAB DEVELOPMENTS SOUTH AFRICA  
Amount : 10000.00

**Payee Details**

Recipient/Account no : ...240072  
Recipient Name : Department of Environmental Af  
Bank : ABSA Bank  
Branch Code : 632005  
Reference : Windlab\_-31.712326/23.666383  
Channel : INTERNET

**END OF NOTIFICATION**

To authenticate this Payment Notification please visit our website at <https://www.fnb.co.za>, click on Online Banking, select the "Verify Payment" option and follow the on-screen instructions

Our customer (the payer) has requested FirstRand Bank Limited to send this notification of payment to you. Should you have any queries regarding the contents of this notice, please contact the payer. FirstRand Bank Limited does not guarantee or warrant the accuracy and integrity of the information and data transmitted electronically and we accept no liability whatsoever for any loss, expense, claim or damage, whether direct, indirect or consequential, arising from the transmission of the information and data.

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An Authorised Financial Services and Credit Provider (NCRCP20).



**NOTIFICATION OF PAYMENT**

To whom it may concern:

First National Bank hereby confirms that the following payment has been made:

Date Actioned : 2014-04-02  
Time Actioned : 14:49:37  
Trace ID : LSDNX8LB48

**Payer Details**

Payment From : WINDLAB DEVELOPMENTS SOUTH AFRICA  
Amount : 10000.00

**Payee Details**

Recipient/Account no : ...240072  
Recipient Name : Department of Environmental Af  
Bank : ABSA Bank  
Branch Code : 632005  
Reference : Windlab\_-31.740596/23.792357  
Channel : INTERNET

**END OF NOTIFICATION**

To authenticate this Payment Notification please visit our website at <https://www.fnb.co.za>, click on Online Banking, select the "Verify Payment" option and follow the on-screen instructions

Our customer (the payer) has requested FirstRand Bank Limited to send this notification of payment to you. Should you have any queries regarding the contents of this notice, please contact the payer. FirstRand Bank Limited does not guarantee or warrant the accuracy and integrity of the information and data transmitted electronically and we accept no liability whatsoever for any loss, expense, claim or damage, whether direct, indirect or consequential, arising from the transmission of the information and data.

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**APPENDIX 2  
STRATEGIC INFRASTRUCTURE PROJECTS**

<p><b>SIP 1: Unlocking the northern mineral belt with Waterberg as the catalyst</b></p> <ul style="list-style-type: none"> <li>• Unlock mineral resources</li> <li>• Rail, water pipelines, energy generation and transmission infrastructure</li> <li>• Thousands of direct jobs across the areas unlocked</li> <li>• Urban development in Waterberg - first major post-apartheid new urban centre will be a "green" development project</li> <li>• Rail capacity to Mpumalanga and Richards Bay</li> <li>• Shift from road to rail in Mpumalanga</li> <li>• Logistics corridor to connect Mpumalanga and Gauteng.</li> </ul>	n/a
<p><b>SIP 2: Durban-Free State-Gauteng logistics and industrial corridor</b></p> <ul style="list-style-type: none"> <li>• Strengthen the logistics and transport corridor between SA's main industrial hubs</li> <li>• Improve access to Durban's export and import facilities</li> <li>• Integrate Free State Industrial Strategy activities into the corridor</li> <li>• New port in Durban</li> <li>• Aerotropolis around OR Tambo International Airport.</li> </ul>	n/a
<p><b>SIP 3: South-Eastern node &amp; corridor development</b></p> <ul style="list-style-type: none"> <li>• New dam at Mzimvubu with irrigation systems</li> <li>• N2-Wild Coast Highway which improves access into KwaZulu-Natal and national supply chains</li> <li>• Strengthen economic development in Port Elizabeth through a manganese rail capacity from Northern Cape</li> <li>• A manganese sinter (Northern Cape) and smelter (Eastern Cape)</li> <li>• Possible Mthombo refinery (Coega) and transshipment hub at Ngqura and port and rail upgrades to improve industrial capacity and performance of the automotive sector.</li> </ul>	n/a
<p><b>SIP 4: Unlocking the economic opportunities in North West Province</b></p> <ul style="list-style-type: none"> <li>• Acceleration of investments in road, rail, bulk water, water treatment and transmission infrastructure</li> <li>• Enabling reliable supply and basic service delivery</li> <li>• Facilitate development of mining, agricultural activities and tourism opportunities</li> <li>• Open up beneficiation opportunities in North West Province.</li> </ul>	n/a
<p><b>SIP 5: Saldanha-Northern Cape development corridor</b></p> <ul style="list-style-type: none"> <li>• Integrated rail and port expansion</li> <li>• Back-of-port industrial capacity (including an IDZ)</li> <li>• Strengthening maritime support capacity for oil and gas along African West Coast</li> <li>• Expansion of iron ore mining production and beneficiation.</li> </ul>	n/a
<p><b>SIP 6: Integrated municipal infrastructure project</b> Develop national capacity to assist the 23 least resourced districts (19 million people) to address all the maintenance backlogs and upgrades required in water, electricity and sanitation bulk infrastructure. The road maintenance programme will enhance service delivery capacity thereby impacting positively on the population.</p>	n/a
<p><b>SIP 7: Integrated urban space and public transport programme</b> Coordinate planning and implementation of public transport, human settlement, economic and social infrastructure and location decisions into sustainable urban settlements connected by densified transport corridors. This will focus on the 12 largest urban centres of the country, including all the metros in South Africa. Significant work is underway on urban transport</p>	n/a

integration.	
<p><b>SIP 8: Green energy in support of the South African economy</b> Support sustainable green energy initiatives on a national scale through a diverse range of clean energy options as envisaged in the Integrated Resource Plan (IRP2010) and support bio-fuel production facilities.</p> <p><i>Indicate capacity in MW:</i></p>	n/a
<p><b>SIP 9: Electricity generation to support socioeconomic development</b> Accelerate the construction of new electricity generation capacity in accordance with the IRP2010 to meet the needs of the economy and address historical imbalances. Monitor implementation of major projects such as new power stations: Medupi, Kusile and Ingula.</p> <p><i>Indicate capacity in MW:</i></p>	Y
<p><b>SIP 10: Electricity transmission and distribution for all</b> Expand the transmission and distribution network to address historical imbalances, provide access to electricity for all and support economic development. Align the 10-year transmission plan, the services backlog, the national broadband roll-out and the freight rail line development to leverage off regulatory approvals, supply chain and project development capacity.</p>	n/a
<p><b>SIP 11: Agri-logistics and rural infrastructure</b> Improve investment in agricultural and rural infrastructure that supports expansion of production and employment, small-scale farming and rural development, including facilities for storage (silos, fresh-produce facilities, packing houses); transport links to main networks (rural roads, branch train-line, ports), fencing of farms, irrigation schemes to poor areas, improved R&amp;D on rural issues (including expansion of agricultural colleges), processing facilities (abattoirs, dairy infrastructure), aquaculture incubation schemes and rural tourism infrastructure.</p>	n/a
<p><b>SIP 12: Revitalisation of public hospitals and other health facilities</b> Build and refurbish hospitals, other public health facilities and revamp 122 nursing colleges. Extensive capital expenditure to prepare the public healthcare system to meet the requirements of the National Health Insurance (NHI) system. The SIP contains major builds for 6 hospitals.</p>	n/a
<p><b>SIP 13: National school build programme</b> A national school build programme driven by uniformity in planning, procurement, contract management and provision of basic services. Replace inappropriate school structures and address basic service backlog and provision of basic services under the Accelerated School Infrastructure Delivery Initiative (ASIDI). In addition, address national backlogs in classrooms, libraries, computer labs and admin buildings. Improving the learning environment will strengthen outcomes especially in rural schools, as well as reduce overcrowding.</p>	n/a
<p><b>SIP 14: Higher education infrastructure</b> Infrastructure development for higher education, focusing on lecture rooms, student accommodation, libraries and laboratories, as well as ICT connectivity. Development of university towns with a combination of facilities from residence, retail to recreation and transport. Potential to ensure shared infrastructure such as libraries by universities, FETs and other educational institutions. Two new universities will be built - in Northern Cape and Mpumalanga.</p>	n/a
<p><b>SIP 15: Expanding access to communication technology</b> Provide for broadband coverage to all households by 2020 by establishing core Points of Presence (POPs) in district municipalities, extend new Infracore fibre networks across provinces linking districts, establish POPs and fibre connectivity at local level, and further penetrate the network into deep rural areas. While the private sector will invest in ICT infrastructure for urban and corporate networks,</p>	n/a

<p>government will co-invest for township and rural access, as well as for e-government, school and health connectivity.</p> <p>The school roll-out focus is initially on the 125 Dinaledi (science and maths-focussed) schools and 1525 district schools. Part of digital access to all South Africans includes TV migration nationally from analogue to digital broadcasting.</p>	
<p><b>SIP 16: SKA &amp; Meerkat</b></p> <p>SKA is a global mega-science project, building an advanced radio-telescope facility linked to research infrastructure and high-speed ICT capacity and provides an opportunity for Africa and South Africa to contribute towards global advanced science projects.</p>	n/a
<p><b>SIP 17: Regional integration for African cooperation and development</b></p> <p>Participate in mutually beneficial infrastructure projects to unlock long-term socio-economic benefits by partnering with fast growing African economies with projected growth ranging between 3% and 10%.</p> <p>The projects involving transport, water and energy also provide competitively-priced, diversified, short and medium to long-term options for the South African economy where, for example, electricity transmission in Mozambique (Cesul) could assist in providing cheap, clean power in the short-term whilst Grand Inga in the DRC is long-term.</p> <p>All these projects complement the Free Trade Area (FTA) discussions to create a market of 600 million people in South, Central and East Africa.</p>	n/a
<p><b>SIP 18: Water and sanitation infrastructure</b></p> <p>A 10-year plan to address the estimated backlog of adequate water to supply 1.4m households and 2.1m households to basic sanitation.</p> <p>The project will involve provision of sustainable supply of water to meet social needs and support economic growth. Projects will provide for new infrastructure, rehabilitation and upgrading of existing infrastructure, as well as improve management of water infrastructure.</p>	n/a



**APPENDIX 3 (IF APPLICABLE)  
LIST OF LOCAL MUNICIPALITIES**

The proposed study area is largely within Western Cape Province near the town of Murraysburg. However, a portion of the proposed study area also falls within the Northern Cape Province towards the town of Richmond. As a result, two district and local municipalities are included in this project and the table below presents the associated contact details.

<b>Affected Municipality</b>	<b>Western Cape Province</b>	<b>Northern Cape Province</b>
District Municipality	Central Karoo	Pixley ka Seme
Local Municipality	Beaufort West	Ubuntu
Contact Person(s)	Municipal Manager : Mr Jafta Booysen Private Bag X582 Beaufort West 6970 Tel: 023 414 8020 Fax: 023 415 1373/ 023 415 8105 Email: <a href="mailto:jaffie@beaufortwestmun.co.za">jaffie@beaufortwestmun.co.za</a>  Ward 1 Councillor: Ms Latitia Deyce Private Bag X582 Beaufort West 6970 Tel: 072 777 3234	Municipal Manager: Mr Martin Fillis Private Bag X329 Victoria West 7070 Tel: 053 621 0026 Fax: 053 621 0368 Email: <a href="mailto:mfillis@mweb.co.za">mfillis@mweb.co.za</a>  Ward 3 Councillor: Ms Cheryl Jantjies Private Bag X329 Victoria West 7070 Tel: 079 069 8253

**APPENDIX 4  
LIST OF LAND OWNERS  
PROOF OF NOTIFICATION OF LAND OWNERS**

<b>Landowner:</b>	Soldaatkop Estates		
<b>Properties</b>	Portion 1 of Farm Klein Driefontein No.152 Portion 2 (portion of portion 9) of the Farm Witteklip No. 32		
<b>Contact person:</b>	Geoff Kingwill		
<b>Postal address:</b>	PO Box 514, Graaff Reinet		
<b>Postal code:</b>	6280	<b>Cell:</b>	083 281 3205
<b>Telephone:</b>	049 854 9231	<b>Fax:</b>	049 854 9700
<b>E-mail:</b>	geoff@kingwill.co.za		

<b>Landowner:</b>	Denyl Kingwill Family Trust		
<b>Properties</b>	Portion 7 (De Tafel)(Portion of Portion 2) of the Farm Driefontein No. 26 Portion 1 of the Farm MiddelValy No 52 Remainder of the Farm Klein Driefontien No. 152		
<b>Contact person:</b>	Kayne Kingwill		
<b>Postal address:</b>	PO Box 785, Graaff Reinet		
<b>Postal code:</b>	6280	<b>Cell:</b>	083 962 2799
<b>Telephone:</b>	049 892 5511	<b>Fax:</b>	086 550 8365
<b>E-mail:</b>	kayne@telkomsa.net		

<b>Landowner:</b>	Daniel Christoffel Retief		
<b>Properties</b>	Remaining Extent Of Farm No. 30 (De Hoop)		
<b>Contact person:</b>	Niel Retief		
<b>Postal address:</b>	PO Box 16, Graaff Reinet		
<b>Postal code:</b>	6280	<b>Cell:</b>	-
<b>Telephone:</b>	049 854 9120	<b>Fax:</b>	-
<b>E-mail:</b>	-		

<b>Landowner:</b>	Klipplaat Trust		
<b>Properties</b>	The Remainder of Portion 2 of the Farm Klipplaat No. 109, The Remainder of the Farm Klipplaat No.109;		
<b>Contact person:</b>	Dr AP Marais		
<b>Postal address:</b>	PO Box 459, Graaff Reinet		
<b>Postal code:</b>	6280	<b>Cell:</b>	
<b>Telephone:</b>	049 892 2171	<b>Fax:</b>	049 892 2689

<b>E-mail:</b>	dakman@intekom.co.za
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<b>Landowner:</b>	Grootdriefontein Boerdery Trust		
<b>Properties</b>	Portion 3 (a portion of portion 1) of the Farm Driefontein No 26 Remainder of portion 2 of the Farm Driefontein No 26 Portion 10 (a portion of Portion 1) of the Farm Driefontein No 26		
<b>Contact person:</b>	Percy Reynolds		
<b>Postal address:</b>	PO Box 367, Murraysburg		
<b>Postal code:</b>	6995	<b>Cell:</b>	
<b>Telephone:</b>	049 854 9131	<b>Fax:</b>	
<b>E-mail:</b>	percy.karin.reynolds@gmail.com		

<b>Landowner:</b>	CHJ Slabbert		
<b>Properties</b>	Portion 1 of the Farm Matjeskloof No 27, The Farm Voetpad No 51		
<b>Contact person:</b>	Chris Slabbert		
<b>Postal address:</b>	PO Box 221, Graaff Reinet		
<b>Postal code:</b>	6280	<b>Cell:</b>	
<b>Telephone:</b>	049 854 9211	<b>Fax:</b>	
<b>E-mail:</b>	chris.slabbert3@gmail.com		

<b>Landowner:</b>	Grootplaats Farms CC & Schanskraal Farming CC		
<b>Properties</b>	<u>Grootplaats Farms CC:</u> The Farm Rhenosterfontein No. 50  <u>Schanskraal Farming CC:</u> Portion 7 (a portion of Portion 6) of the Farm Witteklip No 32		
<b>Contact person:</b>	John Butterworth		
<b>Postal address:</b>	PO Box 208, Graaff Reinet		
<b>Postal code:</b>	6280	<b>Cell:</b>	
<b>Telephone:</b>	049 854 9221	<b>Fax:</b>	049 854 9221
<b>E-mail:</b>	jbutts@vodamail.co.za		

<b>Landowner:</b>	Springfontein Trust		
<b>Properties</b>	Remainder of Portion 1 (Springfontein) of the Farm De Hoop No 30 Portion 4 of the Farm De Hoop No 30		
<b>Contact person:</b>	Andrew Wallis		
<b>Postal address:</b>	PO Box 79, Graaff Reinet		
<b>Postal code:</b>	6280	<b>Cell:</b>	
<b>Telephone:</b>	049 854 9130	<b>Fax:</b>	
<b>E-mail:</b>	springfontein@nashuaisp.co.za		

<b>Landowner:</b>	Trouberg Trust		
<b>Properties</b>	Portion 4 (a portion of portion 1) of the Farm Driefontein No 26 Portion 2 (Hartebeesfontein) of the Farm Swavel Kranse No 28		
<b>Contact person:</b>	Martin Hesselink		
<b>Postal address:</b>	PO Box 321, Murraysburg		
<b>Postal code:</b>	6995	<b>Cell:</b>	072 139 6969
<b>Telephone:</b>	049 854 9113	<b>Fax:</b>	
<b>E-mail:</b>	trouberg@vodamail.co.za		

<b>Landowner:</b>	Bakensklip Trust		
<b>Properties</b>	Portion 1 of the farm Klipplaat No 109 Portion 3 (portion of Portion 2) of the farm Klipplaat No 109		
<b>Contact person:</b>	Kobus van Heerden		
<b>Postal address:</b>	Po Box 358, Murraysburg		
<b>Postal code:</b>	6995	<b>Cell:</b>	076 87 111 00
<b>Telephone:</b>	049 853 9903	<b>Fax:</b>	
<b>E-mail:</b>	magdavanheerden@yahoo.com		

<b>Landowner:</b>	Alwyn Petrus van der Merwe – Trustees		
<b>Properties</b>	Portion 0 (Remaining Extent) Of Farm No. 28 (Swavel Kranse) Portion 1 Of Farm No. 29 (Hout Kloof) Portion 2 (Kapokfontein) Of the Farm De Hoop No. 30 Portion 3 (a portion of Portion1) Of the Farm De Hoop No. 30 Portion 6 Of Farm No. 109 (Klipplaat)		
<b>Contact person:</b>	Mrs K Hoogendijk		
<b>Postal address:</b>	PO Box 1033, Sanlamhof		
<b>Postal code:</b>	7532	<b>Cell:</b>	
<b>Telephone:</b>	021 915 3172	<b>Fax:</b>	021 948 1606
<b>E-mail:</b>	karenho@absa.co.za		

<b>Landowner:</b>	SE van der Merwe Trust		
<b>Properties</b>	Portion 4 (Annex Klipplaat) (a portion of portion 2) of the Farm Klipplaat No 109 Portion 7 (Middelste Rivier) of the Farm Klipplaat No 109		
<b>Contact person:</b>	Fanus van der Merwe		
<b>Postal address:</b>	PO Box 444, Murraysburg		
<b>Postal code:</b>	6995	<b>Cell:</b>	
<b>Telephone:</b>	053 693 0824	<b>Fax:</b>	
<b>E-mail:</b>			

<b>Landowner:</b>	Rietpoort Trust		
<b>Properties</b>	Remainder of the Farm Driefontein No. 8 Portion 1 (Krieger's Fontein) of the Farm Driefontein No. 8		

	The Farm Riet Poort No. 9 Portion 3 of the Farm Badfontein No. 10		
<b>Contact person:</b>	Peter Kingwill		
<b>Postal address:</b>	PO Box 399, Murraysburg		
<b>Postal code:</b>	6995	<b>Cell:</b>	083 236 9342
<b>Telephone:</b>	049 844 9612	<b>Fax:</b>	
<b>E-mail:</b>	pkingwill@nashuaisp.co.za		

<b>Landowner:</b>	Misthoek Trust		
<b>Properties</b>	Remainder of the Farm Leeuwenfontein No. 6 Portion 2 of the Farm Leeuwenfontein No. 6		
<b>Contact person:</b>	Jacques Theron		
<b>Postal address:</b>	PO Box 380, Murraysburg		
<b>Postal code:</b>	6995	<b>Cell:</b>	083 623 7891
<b>Telephone:</b>	049 852 9330	<b>Fax:</b>	
<b>E-mail:</b>	misthoek@pop.co.za		

<b>Landowner:</b>	Landsig Trust		
<b>Properties</b>	Remainder of Portion 1 (Zwaggershoek-Success) of the Farm Leeuwenfontein No. 6 Portion 2 (portion of portion 1) of the Farm Allemansfontein No. 7 Portion 3 (Voorspoed) (Portion of portion 1) of the Farm Leeuwenfontein No. 6		
<b>Contact person:</b>	Rikus Theron		
<b>Postal address:</b>	PO Box 380, Murraysburg		
<b>Postal code:</b>	6995	<b>Cell:</b>	083 623 7891
<b>Telephone:</b>	049 844 9203	<b>Fax:</b>	
<b>E-mail:</b>	landsig@mtnloaded.co.za		

<b>Landowner:</b>	Loskop Boerdery Trust		
<b>Properties</b>	Portion 4 (Spes Bona) (a portion of portion 1) of the Farm Allemansfontein No. 7 The Farm Klein Los Kop No. 5 Portion 3 (Rooi Koppies) of the Farm Driefontein No. 8		
<b>Contact person:</b>	Johan Theron		
<b>Postal address:</b>	PO Box 380 Murraysburg		
<b>Postal code:</b>	6995	<b>Cell:</b>	082 334 3763
<b>Telephone:</b>	049 851 9704	<b>Fax:</b>	
<b>E-mail:</b>	johan@lossekop.co.za roelof@lossekop.co.za		

<b>Landowner:</b>	Rooikop Trust		
<b>Properties</b>	Remainder of the Farm Schietkuil No. 3		
<b>Contact person:</b>	Izak van Heerden		
<b>Postal address:</b>			

Postal code:		Cell:	083 265 0851
Telephone:	049 851 9050	Fax:	
E-mail:	izakvanheerden@telkomsa.net		

Landowner:	SANRAL		
Properties	Portion 2 of the Farm Schietkuil No. 3		
Contact person:	Colene Runkel		
Postal address:	Parc du Cap, Building 5, cnr Mispel Street & Willie van Schoor Avenue, Bellville		
Postal code:		Cell:	
Telephone:	021 957 4613	Fax:	021 946 1630
E-mail:	Runkelc@nra.co.za		

*Environmental Impact Management Services (Pty) Ltd*  
*Registration Number: 1992/005927/07*  
*Directors: T. Nkhahle, A. Smith, L. Whitlow*

notification documents of the proposed activity will be sent out to all key I&APs (e.g. landowners, local authorities, national and provincial government departments, etc.).

As landowner of **Portion 4 of the farm Driefontein 26, Murraysburg Road** and **Portion 2 of farm Swavel Kranse 28, Murraysburg Road**, you have been registered on our I&AP database in relation to the WEF component of the project and we would like you invite you to take part in this process (please refer to the attached map for an indication of where your properties are within the study area).

Should you have any comments or concerns regarding the project, or should you require any additional information, please contact EIMS telephonically, or in writing, using the contact details below. Comments will be taken up into an Issues and Responses Report (IRR) that will be submitted to the competent authority, the DEA, at different intervals during the EIA Process, in order to inform their decision-making.

Any comments, objections, and responses to the applications must be submitted to EIMS using the following contact details:

- ✎ Contact person: Nobuhle Hughes
- ✎ E-mail: [emoyeni@eims.co.za](mailto:emoyeni@eims.co.za)
- ✎ Fax: (011) 787 3059
- ✎ Tel: (011) 789 7170
- ✎ Postal address: P.O. Box 2083, Pinetown, 2123
- ✎ Reference No: 0999

EIMS will provide further process notification and information shortly. Please do not hesitate to contact the undersigned should you have any queries or concerns.

Sincerely,

Nobuhle Hughes

**APPENDIX 5 (IF APPLICABLE)  
LIST OF SGIDS**

C	0	5	2	0	0	0	0	0	0	0	0	0	0	2	6	0	0	0	0	2
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C	0	5	2	0	0	0	0	0	0	0	0	0	0	2	6	0	0	0	0	4
C	0	5	2	0	0	0	0	0	0	0	0	0	0	2	6	0	0	0	0	7
C	0	5	2	0	0	0	0	0	0	0	0	0	0	2	6	0	0	0	1	0
C	0	5	2	0	0	0	0	0	0	0	0	0	0	2	7	0	0	0	0	1
C	0	5	2	0	0	0	0	0	0	0	0	0	0	2	8	0	0	0	0	0
C	0	5	2	0	0	0	0	0	0	0	0	0	0	2	8	0	0	0	0	2
C	0	5	2	0	0	0	0	0	0	0	0	0	0	2	9	0	0	0	0	1
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C	0	5	2	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	4
C	0	5	2	0	0	0	0	0	0	0	0	0	0	3	2	0	0	0	0	2
C	0	5	2	0	0	0	0	0	0	0	0	0	0	3	2	0	0	0	0	7
C	0	5	2	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0
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C	0	5	2	0	0	0	0	0	0	0	0	0	0	5	2	0	0	0	0	1
C	0	5	2	0	0	0	0	0	0	0	0	0	1	5	2	0	0	0	0	0
C	0	5	2	0	0	0	0	0	0	0	0	0	1	5	2	0	0	0	0	1
C	0	6	3	0	0	0	0	0	0	0	0	0	1	0	9	0	0	0	0	0
C	0	6	3	0	0	0	0	0	0	0	0	0	1	0	9	0	0	0	0	1
C	0	6	3	0	0	0	0	0	0	0	0	0	1	0	9	0	0	0	0	2
C	0	6	3	0	0	0	0	0	0	0	0	0	1	0	9	0	0	0	0	3
C	0	6	3	0	0	0	0	0	0	0	0	0	1	0	9	0	0	0	0	4
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C	0	6	3	0	0	0	0	0	0	0	0	0	1	0	9	0	0	0	0	7
<b>1</b>		<b>2</b>		<b>3</b>									<b>4</b>						<b>5</b>	

C	0	5	2	0	0	0	0	0	0	0	0	0	0	0	8	0	0	0	0	1
C	0	5	2	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	3
C	0	5	2	0	0	0	0	0	0	0	0	0	0	0	9	0	0	0	0	0
C	0	5	2	0	0	0	0	0	0	0	0	0	0	0	6	0	0	0	0	0
C	0	5	2	0	0	0	0	0	0	0	0	0	0	0	8	0	0	0	0	3
C	0	5	2	0	0	0	0	0	0	0	0	0	0	0	8	0	0	0	0	0
C	0	5	2	0	0	0	0	0	0	0	0	0	0	0	7	0	0	0	0	4
C	0	5	2	0	0	0	0	0	0	0	0	0	0	0	7	0	0	0	0	2
C	0	5	2	0	0	0	0	0	0	0	0	0	0	0	6	0	0	0	0	3
C	0	5	2	0	0	0	0	0	0	0	0	0	0	0	6	0	0	0	0	1
C	0	5	2	0	0	0	0	0	0	0	0	0	0	0	6	0	0	0	0	2
C	0	5	2	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0
C	0	5	2	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0



- Site Boundary Coordinate
- Grid Application Boundary

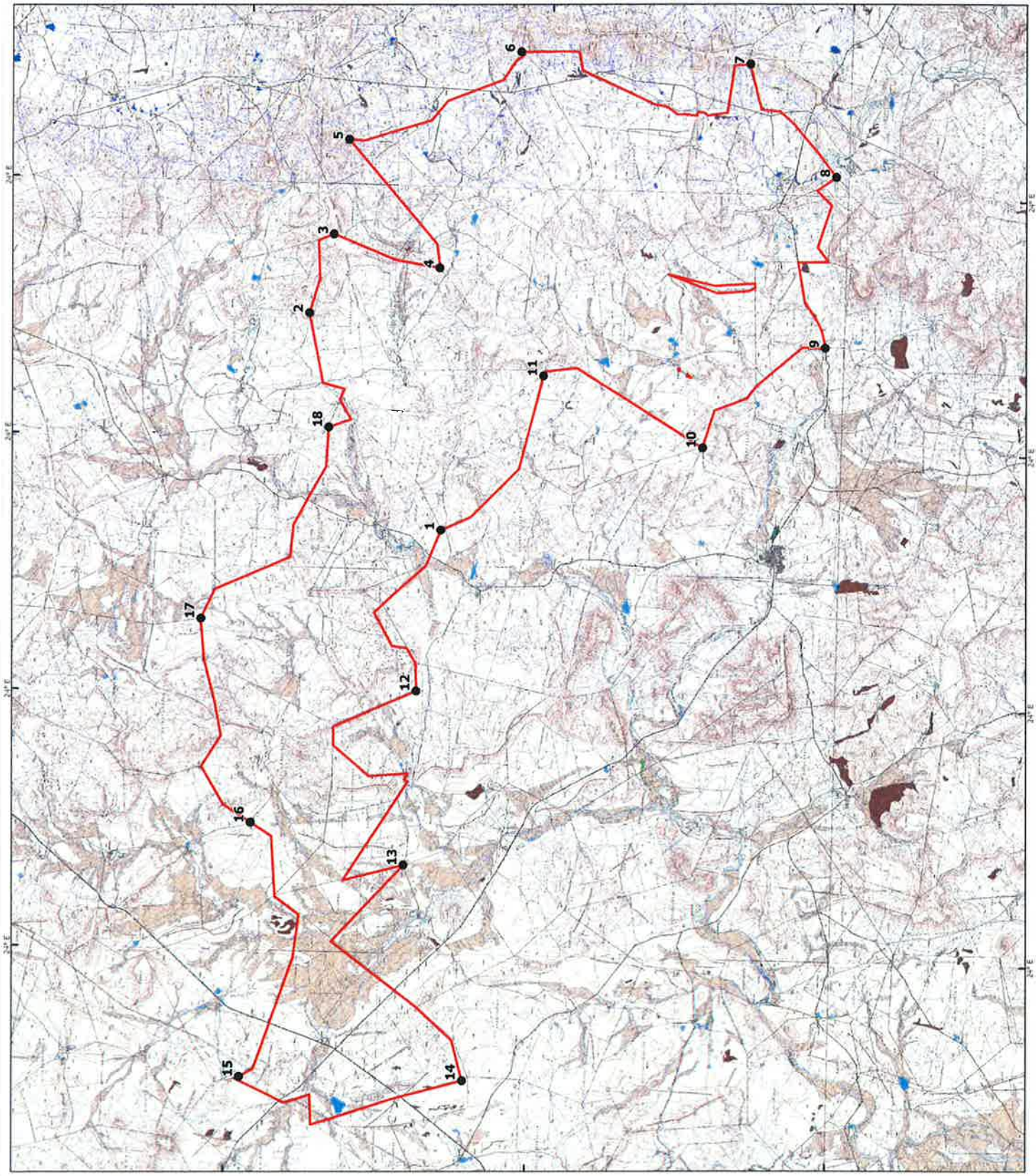
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2	23.91557	-31.7026
3	23.96721	-31.715
4	23.94695	-31.7743
5	24.02909	-31.7219
6	24.08915	-31.8158
7	24.08511	-31.9436
8	24.01291	-31.993
9	23.90116	-31.9894
10	23.83413	-31.9226
11	23.87837	-31.8334
12	23.671265	-31.76746
13	23.55768	-31.76277
14	23.418406	-31.797686
15	23.417988	-31.674428
16	23.583205	-31.677398
17	23.715136	-31.647033
18	23.841553	-31.715045



Produced: LHu  
 Reviewed: VM  
 Approved: JS  
 Ref: 1525/REP/002  
 Date: 13/03/2014

**Grid Application Site Boundary**  
 Figure 1

**umSinde Emoyeni WEF**  
**Grid Application**

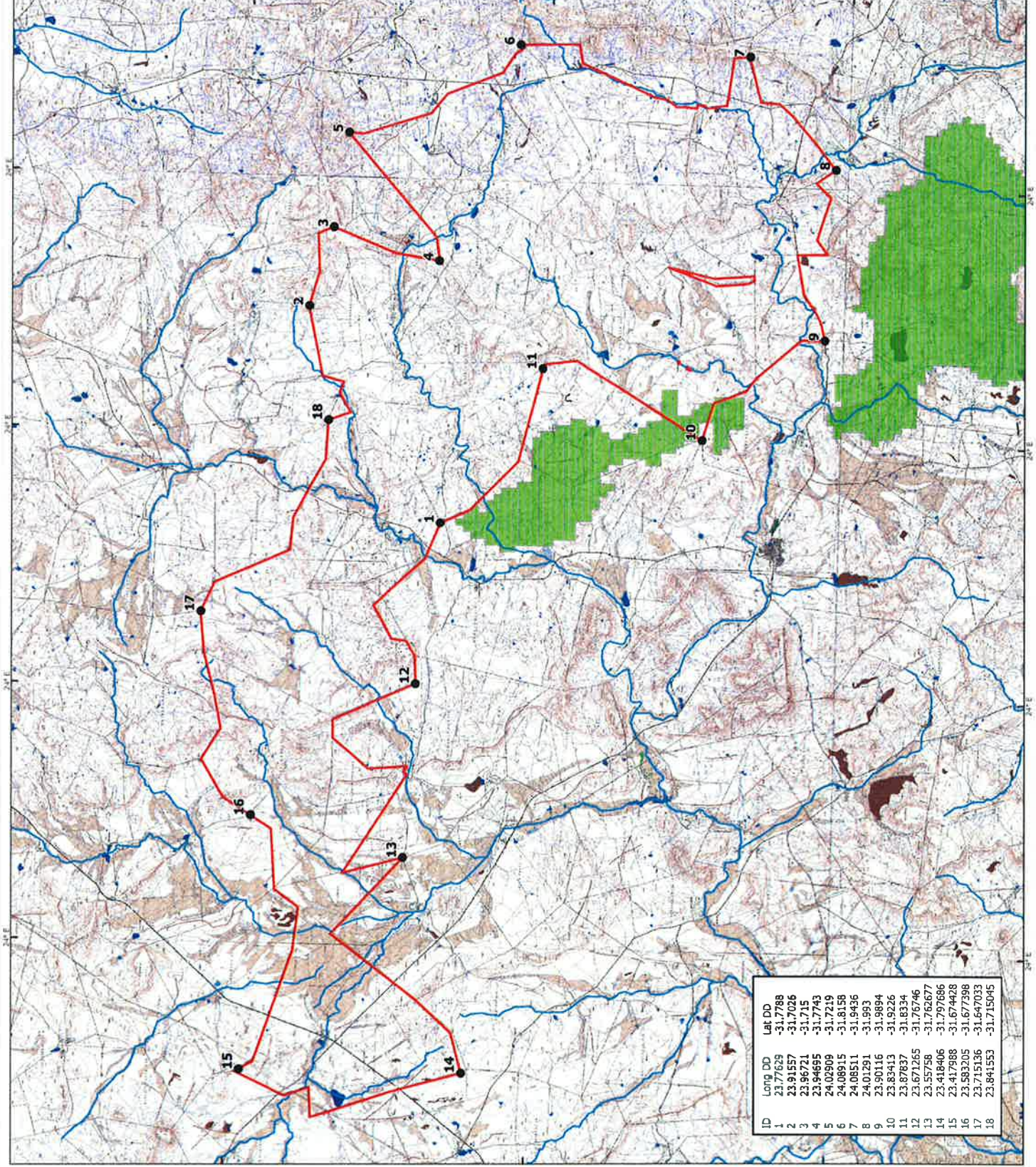


- Site Boundary
- Site Boundary Coordinate
- NFEPA River
- NPAES
- NFEPA Wetlands
- Informal Protected Area
- Formal Protected Area
- Protected Areas NBA
- Heritage Feature
- Ramsar Site
- Ecosystem Status
- CE
- EN
- VU

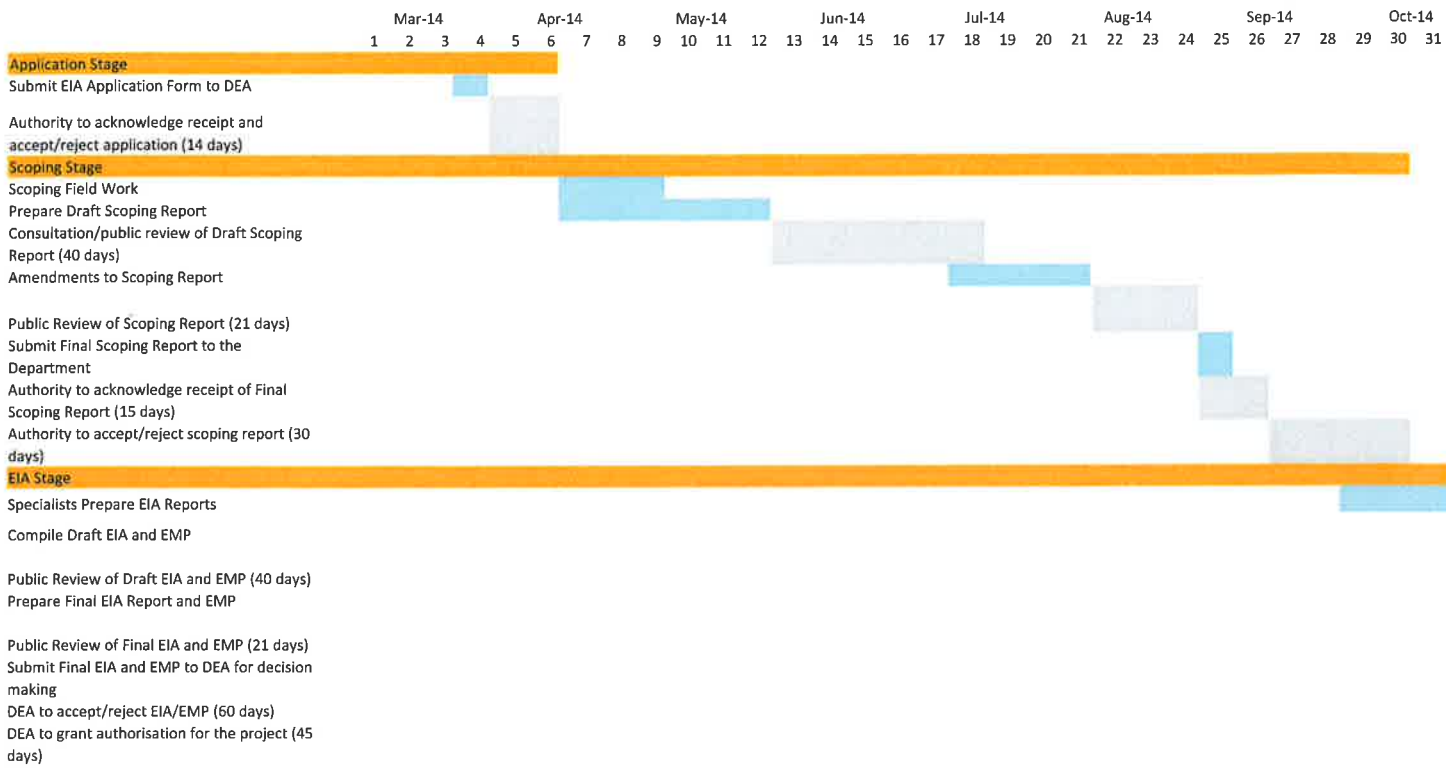


1:225,000 Scale @ A3  
 0 4.5 9 km  
 Produced: SC  
 Reviewed: VM  
 Approved: JS  
 Ref: 1525/REP/004  
 Date: 13/03/2014

**Listing Notice 3 Grid Application**  
 Figure 2  
**umSinde Emoyeni WEF**  
 Grid Application



**APPENDIX 7  
PROJECT SCHEDULE**



**APPENDIX 8  
DECLARATION OF THE APPLICANT**

**APPENDIX 8  
DECLARATION OF THE APPLICANT**

I, **Peter Carl Venn** declare that I -

- am, or represent<sup>1</sup>, the applicant in this application;
- have appointed / will appoint (delete that which is not applicable) an environmental assessment practitioner to act as the independent environmental assessment practitioner for this application / will obtain exemption from the requirement to obtain an environmental assessment practitioner<sup>2</sup>;
- will provide the environmental assessment practitioner and the competent authority with access to all information at my disposal that is relevant to the application;
- will be responsible for the costs incurred in complying with the Regulations, including but not limited to –
  - costs incurred in connection with the appointment of the environmental assessment practitioner or any person contracted by the environmental assessment practitioner;
  - costs incurred in respect of the undertaking of any process required in terms of the Regulations;
  - costs in respect of any fee prescribed by the Minister or MEC in respect of the Regulations;
  - costs in respect of specialist reviews, if the competent authority decides to recover costs; and
  - the provision of security to ensure compliance with conditions attached to an environmental authorisation, should it be required by the competent authority;
- will ensure that the environmental assessment practitioner is competent to comply with the requirements of the Regulations and will take reasonable steps to verify that the EAP
  - know the Act and the regulations, and how they apply to the proposed development
  - know any applicable guidelines
  - perform the work objectively, even if the findings do not favour the applicant
  - disclose all information which is important to the application and the proposed development
  - have expertise in conducting environmental impact assessments
  - complies with the Regulations
- will inform all registered interested and affected parties of any suspension of the application as well as of any decisions taken by the competent authority in this regard;
- am responsible for complying with the conditions of any environmental authorisation issued by the competent authority;
- hereby indemnify the Government of the Republic, the competent authority and all its officers, agents and employees, from any liability arising out of the content of any report, any procedure or any action which the applicant or environmental assessment practitioner is responsible for in terms of these Regulations;
- will not hold the competent authority responsible for any costs that may be incurred by the applicant in proceeding with an activity prior to obtaining an environmental authorisation or prior to an appeal being decided in terms of these Regulations;
- will perform all other obligations as expected from an applicant in terms of the Regulations;
- all the particulars furnished by me in this form are true and correct; and
- I realise that a false declaration is an offence in terms of regulation 71 and is punishable in terms of section 24F of the Act.

---

<sup>1</sup> If this is signed on behalf of the applicant, proof of such authority from the applicant must be attached.

<sup>2</sup> If exemption is obtained from appointing an EAP, the responsibilities of an EAP will automatically apply to the person conducting the environmental impact assessment in terms of the Regulations.



Signature<sup>3</sup> of the applicant<sup>4</sup>/ Signature on behalf of the applicant:

*Emoyeni Wind Farm Project (pty) Ltd.*

Name of company (if applicable):

*1<sup>st</sup> APRIL 2014*

Date:

<sup>3</sup> Only original signatures will be accepted. No scanned, copied or faxed signatures will be accepted.

<sup>4</sup> If the applicant is a juristic person, a signature on behalf of the applicant is required as well as proof of such authority. An EAP may not sign on behalf of an applicant.

**APPENDIX 9  
DECLARATION OF THE EAP**

I, JEWIFER SLACK declare that –

General declaration:

- I act as the independent environmental practitioner in this application
- 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
- I declare that there are no circumstances that may compromise my objectivity in performing such work;
- I have expertise in conducting environmental impact assessments, including knowledge of the Act, Regulations and any guidelines that have relevance to the proposed activity;
- I will comply with the Act, Regulations and all other applicable legislation;
- I will take into account, to the extent possible, the matters listed in regulation 8 of the Regulations when preparing the application and any report relating to the application;
- I have no, and will not engage in, conflicting interests in the undertaking of the activity;
- 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;
- I will ensure that information containing all relevant facts in respect of the application is distributed or made available to interested and affected parties and the public and that participation by interested and affected parties is facilitated in such a manner that all interested and affected parties will be provided with a reasonable opportunity to participate and to provide comments on documents that are produced to support the application;
- I will ensure that the comments of all interested and affected parties are considered and recorded in reports that are submitted to the competent authority in respect of the application, provided that comments that are made by interested and affected parties in respect of a final report that will be submitted to the competent authority may be attached to the report without further amendment to the report;
- I will keep a register of all interested and affected parties that participated in a public participation process; and
- I will provide the competent authority with access to all information at my disposal regarding the application, whether such information is favourable to the applicant or not
- all the particulars furnished by me in this form are true and correct;
- will perform all other obligations as expected from an environmental assessment practitioner in terms of the Regulations; and
- I realise that a false declaration is an offence in terms of regulation 71 of the Regulations and is punishable in terms of section 24F of the Act.



**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:

~~\_\_\_\_\_~~  
~~\_\_\_\_\_~~  
~~\_\_\_\_\_~~  
~~\_\_\_\_\_~~



Signature of the environmental assessment practitioner:

ARCUS CONSULTING LTD

Name of company:

1<sup>ST</sup> APRIL 2014

Date:

# CURRICULUM VITAE

*Jennifer Slack*

*Associate Director*

Email: [JenniferS@arcusconsulting.co.za](mailto:JenniferS@arcusconsulting.co.za) Tel: +27 (0) 76 742 8526



ARCUS

## Specialisms

- Environmental Impact Assessment (EIA)
- Project Management
- Environmental Permitting and Consents
- Environmental Auditing for Due Diligence and Compliance
- Environmental Management Systems (EMS)

## Summary of Experience

Jennifer is an Associate Director within the Arcus environment team. She has over 12 years experience in supporting clients in both private and public sector organisations with environmental performance and compliance.

Jennifer has experience in all phases of project development including feasibility and due diligence, consenting and EIA, operational permitting applications and management, legislative compliance and performance monitoring, and EMS's. She has experience in a wide range of sectors including power (thermal and renewable), urban regeneration, chemicals and pharmaceuticals, and heavy industrial. Jennifer's key strengths lie in utilising and adapting her strong project management skills to new types of projects, consenting regimes and markets such as the coordination and submission of the consent application (including EIA) for 1GW Beatrice offshore wind farm, the first application of its type in Scottish territorial waters; and EIA's for new/experimental carbon capture technology for coal plants. She has worked in various geographical locations across the UK, Europe, the Middle East and is currently based in South Africa.

She has completed an MSc in Environmental Impact Assessment and Management and is a qualified Project Manager with the internationally recognised Project Management Institute.

Jennifer is also an experienced, registered environmental auditor who has undertaken audits for due diligence, compliance and EMS purposes. This range of experience has allowed Jennifer to develop techniques which are adaptable to the specific purpose. Projects include a compliance audit of a large industrial complex in the Ukraine and project management and auditing of a multi-site acquisition due diligence for an oil refining and supply company. Jennifer is a senior EMS consultant who throughout her career she has successfully assisted numerous organisations in obtaining and maintaining accreditation to the International Standard ISO14001.

Jennifer has been providing environmental consultancy services in South Africa since September 2012. She has acted as an environmental coordinator for design and EIA inputs into over 10 renewable energy projects.

## Professional History

- 2011 - present** – Arcus Consultancy Services Ltd, UK and South Africa.
- 2005-2011** – Senior Environmental Consultant, URS Corporation Ltd, Manchester, UK
- 2002-2005** – Environmental Consultant, JP Envirosystems Ltd, Sheffield, UK

## Qualifications and Professional Interests

- **University of Manchester, 2001-2002**  
MA Environmental Impact Assessment and Management
- **University of Sheffield, 1998-2001**  
BSc (Hons) Physical Geography, 2:1
- Member of the Institute of Environmental Management and Assessment (IEMA)
- Accredited IEMA Auditor

## Project Experience

### *Environmental Impact Assessment*

- Environmental Assessment Practitioner (EAP) for the umSinde Emoyeni Wind Energy Facility, Western Cape, South Africa (Windlab (Pty) Ltd);

## CURRICULUM VITAE

- Senior reviewer and environmental coordinator for environmental inputs into the Elliot Wind Energy Facility, Eastern Cape, South Africa (Rainmaker (Pty) Ltd);
- International advisor and environmental coordinator for environmental inputs into the Oyster Bay Wind Energy Facility, Eastern Cape, South Africa (RES South Africa (Pty) Ltd);
- EIA Coordinator for the 1GW, 277 turbine Beatrice Offshore Wind Farm in Scotland, UK, including 70km of offshore and 30km of onshore transmission works, cable and converter station development (SSE Renewables/Repsol Nuevas Energias);
- Environmental Management Plan for a CCGT power station in Peru having regard to the Equator Principles (AEI);
- EIA Coordinator and Project Director of an offshore test turbine site including onshore grid connection and civil engineering infrastructure (Scottish Enterprise/Samsung Heavy Industries);
- Project Manager and Lead Environmental Consultant of a nationwide site search and evaluation project for offshore turbines on behalf of a government development organisation including an evaluation of key environmental and technical constraints such as transportation planning and grid connection options (Scottish Enterprise);
- EIA Coordinator and Project Manager of the Manchester Town Hall Transformation Project incorporating 4 urban regeneration projects (Manchester City Council);
- Coordination and senior review of multi disciplinary environmental planning support to a 73ha residential lead urban masterplan project which included sustainability appraisal, transport planning and local renewable power generation options (SP+ Consortia);
- EIA Coordinator for a turbine test facility for new designs of offshore turbines up to 200m high blade tip requiring an in depth appreciation of the planning regime and new forthcoming designs in the offshore market (SSE Renewables);
- Project Manager and EIA Coordinator for the development of a biomass power station (Gaia Power);
- Project Manager and technical EIA consultant for a 100MW multi-fuel thermal power station. The project was located on the same site as a coal fired power station to which Jennifer provided permitting and consenting advise with regard to the installation of flue gas desulphurisation and a new design of carbon capture technologies (SSE);
- EIA advisor for rail extensions and rail head extension for a large coal fired power station in northern England (SSE).

### *Environmental Management Systems:*

- Development of a company wide ISO14001 accredited EMS for a multi site engineering firm for sites located in UK, Europe and the Middle East (Weir Group);
- Development and implementation of an EMS for a large steel works located in northern England and subsequent internal auditing (Weir Warman);
- Pre-certification EMS Auditing of food and drink manufacturing sites (PepsiCo).

### *Environmental Auditing:*

- Project Management of the compliance auditing and ground investigations for the installation of bio-ethanol storage facilities across 10 oil storage terminals across the UK (BP);
- Co-ordination of multi-site due diligence project across the UK and Europe for the proposed acquisition of an engineering company on behalf of US based client (Confidential);
- Compliance assessment of a multi disciplinary metal processing site in Ukraine on behalf of European Bank of Reconstruction and Development (EBRD).
- Preparation of a permit application and supporting EMS documentation for an aerospace manufacturing sites within the UK (Smiths Aerospace);
- Management and preparation of a permit application for agency of the Ministry of Defence in Scotland.



## environmental affairs

Department:  
Environmental Affairs  
REPUBLIC OF SOUTH AFRICA

### APPLICATION FORM FOR ENVIRONMENTAL AUTHORISATION

	(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, 1998 (Act No. 107 of 1998), (the Act) and the Environmental Impact Assessment Regulations, 2010 (the Regulations)

#### PROJECT TITLE

Proposed Umsinde Emoyeni Wind Energy Facility Near Murraysburg, Western Cape: Phase 1

#### Kindly note that:

1. This application form is current as of 1 April 2014. It is the responsibility of the applicant to ascertain whether subsequent versions of the form have been published or produced by the competent authority.
2. The application must be typed within the spaces provided in the form. The sizes of the spaces provided are not necessarily indicative of the amount of information to be provided. Spaces are provided in tabular format and will extend automatically when each space is filled with typing.
3. Where applicable **black out** the boxes that are not applicable in the form.
4. Incomplete applications will be rejected in terms of Regulation 13(2) of GN R. 543 and returned to the applicant for revision and resubmission.
5. The use of the phrase "not applicable" in the form must be done with circumspection. Should it be done in respect of material information required by the competent authority for assessing the application, it may result in the rejection of the application as provided for in the Regulations.
6. This application must be handed in at the offices of the relevant competent authority as determined by the Act and Regulations.
7. No faxed or e-mailed applications will be accepted. An electronic copy of the signed application form must be submitted together with two hardcopies (one of which must contain the original signatures).
8. Unless protected by law, all information filled in on this application form will become public information on receipt by the competent authority. Any interested and affected party should and shall be provided with the information contained in this application on request, during any stage of the application process.

9. Should a specialist report or report on a specialised process be submitted at any stage for any part of this application, the terms of reference for such report and declaration of interest of the specialist must also be submitted.
10. Proof of payment must accompany this application. The application will not be processed without proof of payment unless one of the exclusions provided for the Fee Regulations (Fees for consideration and processing of applications for environmental authorisations and amendments thereto Government Notice No.141, published on 28 February 2014) is applicable AND such information in section 1 of this application form has been confirmed by this Department.

#### **Departmental Details**

The application must be addressed to the Chief Directorate: Integrated Environmental Authorisations at:

**Postal address:**

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

**Physical address:**

Department of Environmental Affairs  
Fedsure Forum Building (corner of Pretorius and Lillian Ngoyi Streets)  
4<sup>th</sup> Floor South Tower  
315 Pretorius Street  
Pretoria  
0002

Queries must be addressed to the contact below:

Tel: 012-395-1768  
Fax: 012-320-7539  
E-mail: [EIAAdmin@environment.gov.za](mailto:EIAAdmin@environment.gov.za)

***Please note that this form must be copied to the relevant provincial environmental department/s.***

View the Department's website at <http://www.environment.gov.za/> for the latest version of the documents.

1. **PROOF OF PAYMENT**

Applicants are required to tick the appropriate box below to indicate that either proof of payment is attached or that, in the applicant's view, an exclusion applies. Proof and a motivation for exclusions must be attached to this application form in **Appendix 1**.

Proof of payment attached as **Appendix 1**

Exclusion applies

An applicant is excluded from paying fees if:

The activity is a community based project funded by a government grant; or  
The applicant is an organ of state.

TYPE OF EXCLUSION	Tick where applicable. Proper motivation must be attached to the application
The activity is a community based project funded by a government grant	
The applicant is an organ of state	

FEE AMOUNT	Fee
Application for an environmental authorisation for which basic assessment is required in terms of the Environmental Impact Assessment Regulations	R2 000
Application for an environmental authorisation, for which S&EIR is required in terms of the Environmental Impact Assessment Regulations	R10 000

Department of Environmental Affairs' details for the payment of application fees:

<p>Payment Enquiries: Tel: 012 310 3798/ 012 310 3117 Email: <a href="mailto:eiafee@environment.gov.za">eiafee@environment.gov.za</a></p> <p>Banking details: ABSA Bank Branch code: 632005 Account number: 1044 2400 72 Current account Reference number : Reference number to be provided in the specific format indicating centre point coordinates of site in decimal degrees to 5 or 6 decimal places: latitude/longitude eg. -33.918861/18.423300</p> <p>Proof of payment must accompany the application form: Indicate reference number below.</p> <p>Tax exemption status: Status: Tax exempted</p> <p>Reference number: -31.783269/23.897913</p>
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## 2. PROJECT DESCRIPTION

Please provide a **detailed** description of the project.

The project will consist of the installation of up to 98 wind turbines spaced across the project site each with a capacity of up to 1.5-3.5 MW per turbine. The contracted capacity that the wind farm will supply to the national grid will be 140 MW however in line with the Renewable Energy Independent Producers Procurement Programme the Project can have an installed capacity of up to 147 MW.

The turbines will have a hub height of up to 120 m and a rotor diameter of up to 130 m. The height to tip (i.e. the maximum height of the turbine when the tip of the rotor blade is at its highest point above the ground) will not exceed 180 m. Each turbine may require a transformer to be located adjacent to the turbine on a concrete plinth.

The turbines will be placed on steel and concrete foundations which will each occupy an area of up to 20 m x 20 m in total up to 3 m deep. During construction laydown areas (unsealed) will be required next to each turbine and will occupy an area up to 45 m x 25 m. Up to three additional laydown areas of up to 150 m x 60 m for equipment and component storage may be temporary required on site during construction, and there will be a site office and maintenance compound.

The turbines will be accessed through a network of unsealed tracks which will be established across the project site. These access tracks will be up to 9 m wide during construction, but will be reduced to 4-6 m during operation. Existing farm access tracks will be upgraded where possible. Some aggregate for the construction of these tracks may be sourced from borrow pits within the development site.

Limited fuel storage will be required on the site for construction vehicle use. This will be less than 500 m<sup>3</sup> at any one time.

The electricity from the turbines will be transferred via a 33 kV electrical network to an onsite substation. Where practical and where site conditions allow, these electrical cables will be routed underground (where this is not possible, for limited sections a 33 kV overhead line on single pole pylons will be used). The substation will house electrical infrastructure such as transformers and switch gear to enable the energy to be transferred into the Eskom national grid. The substation will be placed on a concrete foundation with the substation compound occupying an area of up to 200 m x 250 m. There will be an on-site office compound of up to 150 m x 80 m, including site offices, parking and an operation and maintenance facility.

The turbines will be connected to the Eskom Transmission and Distribution network through overhead power lines. However, these are subject to separate Environmental Authorisations.

One EIA will be prepared for this Project as well as:

- Application for Umsinde Emoyeni Wind Energy Facility Near Murraysburg, Western Cape: Phase 2;
- Application for Electrical Grid Connection and Associated Infrastructure for Umsinde Emoyeni Wind Energy Facility Near Murraysburg, Western Cape: Phase 1; and
- Application for Electrical Grid Connection and Associated Infrastructure for Umsinde Emoyeni Wind Energy Facility Near Murraysburg, Western Cape: Phase 2.





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### 3. GENERAL INFORMATION

Applicant name:	<b>EMOYENI WIND FARM PROJECT Proprietary Limited(EWFP)</b>		
Applicant ID number:	2008/015881/07		
Responsible position, e.g. Director, CEO, etc.:	<b>EMOYENI WIND FARM PROJECT Proprietary Limited (EWFP)</b>		
Company Trading name (if any):	Managing Director		
Company Registration no (if any):	Peter Venn		
	Unit 3 Demar Square 45 Bell Crescent Close Westlake business Park 7945		
Contact person (if different to project applicant):	Postnet Suite Private Bag X26 Cape Town		
Physical address:	<b>EMOYENI WIND FARM PROJECT Proprietary Limited(EWFP)</b>		
Postal address:	2008/015881/07		
Postal code:	7966	Cell:	083 689 3063
Telephone:	021 701 1292	Fax:	021 702 4053
E-mail:	peter.venn@windlab.com	BBBEE status	3

Provincial Authority:	Western Cape Department of Environmental Affairs and Development Planning		
Contact person:	Directorate: Integrated Environmental Management (Region A1) Mr Kobus Munro		
Postal address:	Private Bag X 6509 George		
Postal code:	6530	Cell:	n/a
Telephone:	044 805 8600	Fax:	021 874 2423
E-mail:	kobus.munro@westerncape.gov.za		

Provincial Authority:	Northern Cape Department of Environmental Affairs and Nature Conservation		
Contact person:	Impact Assessment Ms Dineo Moleko		
Postal address:	Private Bag X6102Kimberly		
Postal code:	8300	Cell:	n/a
Telephone:	053 807 7467	Fax:	053 831 3530
E-mail:	dmoleko@ncpg.gov.za		

Local municipality			
Contact person:			
Postal address:			
Postal code:		Cell:	
Telephone:		Fax:	
E-mail:			

In instances where there is more than one local authority involved, please attach a list of those local authorities with their contact details as **Appendix 3**.

Landowner:			
Contact person:			
Postal address:			
Postal code:	Cell:		
Telephone:	Fax:		
E-mail:			

In instances where there is more than one landowner, please attach a list of those landowners with their contact details as **Appendix 4**. If the applicant is not the owner or person in control of the land, proof of notice to the landowner or person in control of the land on which the activity is to be undertaken must be submitted in **Appendix 4**.

Identified Competent Authority to consider the application:	Department of Environmental Affairs (DEA)
Reason(s) in terms of S 24C of NEMA 1998 as amended	<p>The Project is being developed by an Independent Power Producer (IPP). As stated in Department of Environmental Affairs and Tourism Notice 162 of 2010, Section 4.1, the "Provincial environmental authorities have agreed that the DEA shall also be the Competent Authority for EIA applications from IPPs or those involving co-generation, where these are included in the NERP (National Electricity Response Plan)".</p> <p>The DEA, is the designated competent authority for renewable energy projects which are considered as nationally important.</p> <p>Furthermore this Project spans two provinces, the Northern and Western Cape.</p> <p>The relevant provincial environmental authorities will be included, as a commenting authority, in the list of key Interested and Affected Parties.</p>

#### 4. ENVIRONMENTAL ASSESSMENT PRACTITIONER (EAP) INFORMATION

EAP:	Jennifer Slack		
Professional affiliation/registration:	Member of the South African branch of the International Association of Impact Assessment (IAIA-SA) Associate member of the Institute of Environmental Assessment and Management (IEMA) Certification to the Board of Environmental Assessment Practitioners of South Africa (EAP-SA) pending.		
Contact person (if different from EAP):	n/a		
Company:	Arcus Renewable Energy Consulting Ltd/ (EIMS has been appointed to assist in the public consultation component of the EIA).		
Physical address:	Room 211 Cube Workspace Icon Building Cnr Long Street and Hans Strijdom Road Cape Town 8001		
Postal address:	PO Box 6191 Roggebaai		
Postal code:	8012	Cell:	0767428526
Telephone:	0214121529	Fax:	n/a

E-mail:

JenniferS@arcusconsulting.co.za

If an EAP has not been appointed please ensure that an independent EAP is appointed as stipulated by Regulation 16 of GN R.543, dated June 2010, prior to the commencement of the process. The declaration of independence and the Curriculum Vitae (indicating the experience with environmental impact assessment and the relevant application processes) of the EAP must also be submitted to the Department.

## 5. SITE DESCRIPTION

Provide a detailed description of the site involved in the application.

NOTE: 4 applications are being submitted simultaneously all of which include the farm names and numbers stipulated below. This is because within these land portions there will be 2 x 140 (147) MW wind farms, each with an accompanying grid connection application. The location of each wind farm and its grid connection within these farm portions is not yet confirmed. It will need to be informed by the EIA process. As such all the farm portions are included in all applications as the infrastructure for any of the 4 applications may, by the time of final design, be located in these farm portions.

Province	Western Cape	Northern Cape
District Municipality	Central Karoo	Pixley ka Seme
Local Municipality	Beaufort West	Ubuntu
Ward number(s)	1	3
Nearest town(s)	Murraysburg	Richmond
Farm name(s) and number(s)	<b>Murraysburg RD</b> Portion 0 (Remaining Extent) Of Farm No. 28 (Swavel Kranse) Portion 1 Of Farm No. 29 (Hout Kloof) Portion 2 (Kapoksfontein) Of the Farm De Hoop No. 30 Portion 3 (a portion of Portion1) Of the Farm De Hoop No. 30 Portion 1 of the Farm Matjeskloof No 27 The Farm Voetpad No 51 Remaining Extent of Farm 30 (De Hoop) Portion 7 (De Tafel)(Portion of Portion 2) of the Farm Driefontein No. 26 Portion 1 of the Farm MiddelValy No 52 Remainder of the Farm Klein Driefontien No. 152 Portion 3 (portion of portion 1) of the Farm Driefontein No 26 Remainder of portion 2 of the Farm Driefontein No 26 Portion 10 (a portion of Portion 1) of the Farm Driefontein No 26 The Farm Rhenosterfontein No. 50 Portion 7 (a portion of Portion 6) of the Farm Witteklip No 32 Portion 1 of Farm Klein Driefontein No.152 Portion 2 (portion of portion 9) of the Farm Witteklip No. 32 Remainder of Portion 1 (Springfontein) of the Farm De Hoop No 30 Portion 4 of the Farm De Hoop No 30 Portion 4 (a portion of portion 1) of the Farm Driefontein No 26 Portion 2 (Hartebeesfontein) of the Farm Swavel Kranse	



	GN R. 543
<i>e.g. GN R.544 Item XX(x): The construction of a bridge within 32m of a water course</i>	<i>e.g. A bridge measuring 5 m in height and 10m in length, no wider than 8 meters will be built over the Vaal river</i>
<b>GN R.544 (18 June 2010)</b> <b>National Environmental Management Act, 1998 (Act No. 107 of 1998)</b> <b>Listing Notice 1: List of Activities and Competent Authorities Identified in Terms of Sections 24(2) and 24D (Basic Assessment)</b>	
GN R.544 10 (i) The construction 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 kV.	33kV electrical reticulation will be installed to transfer the electricity from the turbines to the 33/132kV onsite substation. The powerlines will be installed underground where possible.
GN R.544 11. (iii) (x) and (xi) The construction of: (iii) bridges; (x) buildings exceeding 50 m <sup>2</sup> in size; or (xi) infrastructure or structures covering 50 m <sup>2</sup> or more where such construction occurs within a watercourse or within 32 m of a watercourse, measured from the edge of a watercourse, excluding where such construction will occur behind the development setback line.	<p>Bridges maybe required to cross watercourses on the project site for the access tracks. The location and extent of these watercrossings will be determined through the EIA process.</p> <p>The footprint of the building is not yet known and will be confirmed through the EIA phase.</p> <p>The footprint of the turbines and associated infrastructure will exceed 50 m<sup>2</sup>.</p> <p>The exact position of the WEF and all associated infrastructure and activities will only be identified at the conclusion of, and informed by, the EIA process. Considering the extent of the project study area and the fact that the study area includes watercourses it is anticipated that this listed activity will be triggered.</p>
GN R.544 13. The construction 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 but not exceeding 500 m <sup>3</sup> .	<p>Storage of fuel on site, for use during the construction phase, will be required. The volume stored will be less than 500 m<sup>3</sup>.</p> <p>The proposed Substation is likely to require the use of transformer oils and other hazardous substances, during the operational phase. The combined volumes will be determined at a later stage, but may exceed the specified thresholds.</p>
GN R.544 18. (i) The infilling or depositing of any material of more than 5 cubic metres into, or the dredging, excavation, removal or moving of soil, sand, shells, shell grit, pebbles or rock from (i) a watercourse	<p>Borrow pits for the sourcing of aggregate material will be required on the project site. It is not yet known the location of these in relation to watercourses however this clause may be triggered depending on the availability of aggregate locations.</p> <p>In addition the construction of the turbines and associated infrastructure (depending on the exact locations) may require excavation and/or infilling of watercourse areas. The extent and location of the likely triggers to this listed activity will be clarified during the EIA process.</p>
GN R.544 22 (i) and (ii) The construction of a road, outside urban	Access tracks will be required between the turbines. These will be unsealed and will likely be between 4-9m

areas, (i) with a reserve wider than 13,5 m or, (ii) where no reserve exists where the road is wider than 8 m.	in width. These access tracks will be up to 9 m wide during construction, but will be reduced to 4-6 m during operation. However this will be confirmed during the EIA process.
GN R.544 23. (ii) The transformation of undeveloped, vacant or derelict land to – (ii) residential, retail, commercial, recreational, industrial or institutional use, outside an urban area and where the total area to be transformed is bigger than 1 hectare but less than 20 hectares;	The project is located on currently undeveloped land. The combined footprint of the turbines, laydown areas, road and electrical reticulation, on-site office and substation is not yet known. It is highly likely to exceed 1 hectare. Whether it will exceed 20 hectares is not known. This clause may apply and hence has been included subject to confirmation through the EIA process.
GN R.544 24. The transformation of land bigger than 1000 m <sup>2</sup> in size, to residential, retail, commercial, industrial or institutional use, where, at the time of the coming into effect of this Schedule such land was zoned open space, conservation or had an equivalent zoning.	According to the available spatial data there are no designated conservation or public open space areas within the Project. However this will be clarified through the consultations with the relevant local authority during the EIA process.
GN R.544. 26. Any process or activity identified in terms of section 53(1) of the National Environmental Management: Biodiversity Act, 2004 (Act No. 10 of 2004).	At present this section of the NEMBA is not yet defined so it does not apply at this time. However in the event that this comes into force during the EIA process and protected species are found to be present due regard would be given to its content.
GN R.544. 39 (iii) The expansion of: (iii) bridges within a watercourse or within 32 m of a watercourse, measured from the edge of a watercourse, where such expansion will result in an increased development footprint.	As the route of the access tracks and infrastructure locations has not yet been determined it is possible, if bridges exist, that these may be utilised through extension to facilitate the project.
GN R.544. 47. (i) and (ii) The widening of a road by more than 6 m, or the lengthening of a road by more than 1 km - (i) where the existing reserve is wider than 13,5 m; or (ii) where no reserve exists, where the existing road is wider than 8 m.	Where existing tracks/roads exist within the site these maybe widened or lengthened to facilitate the access tracks of 4-9m which will be used to access the turbines.
<b>GN R.545 (18 June 2010)</b> <b>National Environmental Management Act, 1998 (Act No. 107 of 1998)</b> <b>Listing Notice 2: List of Activities and Competent Authorities Identified in Terms of Sections 24(2) and 24D (Scoping and EIA)</b>	
GN R.545. 1. The construction of facilities or infrastructure for the generation of electricity where the electricity output is 20 MW or more.	Construction of a wind energy facility up to 147 MW in installed capacity.  The facility is comprised of individual, spatially separated, turbines with an individual generating capacity of 1.5 – 3.5MW each.
GN. R545. 15. Physical alteration of undeveloped, vacant or derelict land for residential, retail, commercial, recreational, industrial or institutional use where the total area to be transformed is 20	The project is located on currently undeveloped land the combined footprint of the turbines, laydown areas and substation may exceed 20 hectares (subject to the final design) and hence this clause may be triggered.

Ha or more.	
<b>GN R.546 (18 June 2010)</b> <b>National Environmental Management Act, 1998 (Act No. 107 of 1998)</b> <b>Listing Notice 3: List of Activities and Competent Authorities Identified in Terms of Sections 24(2) and 24D (Basic Assessment)</b>	
GN. R.546. 4. The construction of a road wider than 4 m with a reserve less than 13.5 m. <b>(d) In Western Cape:</b> ii. All areas outside urban areas;	Access tracks will be required between the turbines and other infrastructure onsite. These will be unsealed and will likely be between 4-9m in width however this will be confirmed throughout the EIA process. These access tracks will be up to 9 m wide during construction, but will be reduced to 4-6 m during operation. The site covers a small portion that falls within the Karoo Escarpment Grassland (NPAESFA) of the Western Cape Province.  The proposed site falls outside of urban areas.
GN. R.546. 10. The construction of facilities or infrastructure for the storage, or storage and handling of a dangerous good, where such storage occurs in containers with a combined capacity of 30 but not exceeding 80 m <sup>3</sup> <b>(a) In Northern Cape Province:</b> ii. Outside urban areas, in: (ii) Areas on the watercourse side of the development setback line or within 100m from the edge of a watercourse where no such setback line has been determined. <b>(e) In Western Cape:</b> ii. All areas outside urban areas;	Storage of fuel on the site will be required however the volume of this storage is not yet confirmed and hence this clause maybe applicable.  The proposed study area falls outside of urban areas. Considering the extensive size of the proposed study area and the extent of potential watercourses within the study area, there is a possibility that fuel storage facilities may be located within 100m from the edge of a watercourse. The exact volumes and locations for such storage facilities will be determined during the EIA process.
GN. R.546. 12. The clearance of an area of 300 m <sup>2</sup> or more of vegetation where 75% or more of the vegetative cover constitutes indigenous vegetation.	Spatial information available indicates this clause will not be applicable however the volume of vegetation to be removed, and the nature of this vegetation, will be determined through the ongoing design and the specialists ecological studies. This will determine conclusively if this clause is applicable to the project.
GN. R.546. 13 The clearance of an area of 1 Ha or more of vegetation where 75% or more of the vegetative cover constitutes indigenous Vegetation. <b>(c) In the Northern Cape and Western Cape:</b> ii. Outside urban areas, the following: (bb) National Protected Area Expansion Strategy Focus Areas (NPAESFA).	The volume of vegetation to be removed, and the nature of this vegetation, will be determined through the ongoing design and the specialists ecological studies.  The study area covers a small portion that falls within the Karoo Escarpment Grassland (NPAESFA) of the Western Cape Province.  This clause may be applicable to the project.
GN. R.546. 14 The clearance of an area of 5 Ha or more of vegetation where 75% or more of the vegetative cover constitutes indigenous Vegetation.... <b>(a) In the Northern Cape and Western Cape:</b>	The area of vegetation to be removed, and the nature of this vegetation, will be determined through the ongoing design and the specialists ecological studies.  Considering the extent of the project study area and the undeveloped nature of the receiving environment, it is possible that this activity will be triggered. The

<p>i. All areas outside urban areas.</p>	<p>applicability of this activity will be determined during the EIA process.</p>
<p>GN. R.546. 16 (iii) and (iv) The construction of: (iii) buildings with a footprint exceeding 10 m<sup>2</sup> in size; or (iv) infrastructure covering 10 m<sup>2</sup> or more where such construction occurs within a watercourse or within 32 m of a watercourse, measured from the edge of a watercourse. <b>(d) In the Western Cape:</b> ii. Outside urban areas, in: (bb) National Protected Area Expansion Strategy Focus Areas (NPAESFA).</p>	<p>The footprint of the turbines and associated infrastructure will exceed covering 50 m<sup>2</sup>. The location of buildings and infrastructure in relation to watercourses has not yet been determined and will be confirmed through the ongoing design and EIA process. This clause may be applicable.</p> <p>The study area covers a small portion that falls within the Karoo Escarpment Grassland (NPAESFA) of the Western Cape Province.</p>
<p>GN. R.546. 19. The widening of a road by more than 4 m, or the lengthening of a road by more than 1 km. <b>(a) In the Northern Cape:</b> ii. Outside urban areas, in: (ii) Areas on the watercourse side of the development setback line or within 100m from the edge of a watercourse where no such setback line has been determined <b>(d) In the Western Cape:</b> ii. All areas outside urban areas.</p>	<p>Where existing tracks/roads exist within the site these maybe widened or lengthened to facilitate the access tracks of 4-9m which will be used to access the turbines. These access tracks will be up to 9 m wide during construction, but will be reduced to 4-6 m during operation.</p> <p>The majority of the proposed study area falls outside of urban areas. Considering the extensive size of the proposed study area and the extent of potential watercourses within the study area, there is a possibility that roads may be upgraded and may be located within 100m from the edge of a watercourse. The exact extents and locations for such storage facilities will be determined during the EIA process.</p>

Please note that any authorisation that may result from this application will only cover activities specifically applied for. Co-ordinate points indicating the location of each listed activity must be provided with the relevant report (i.e. either BAR or EIR).

Please provide a project map indicating any sensitive areas (e.g. critical biodiversity area, World Heritage Site, etc.) overlaid by the study area in **Appendix 6**.

A project schedule, indicating the different phases and timelines of the project, must be attached as **Appendix 7**.

## 7. PUBLIC PARTICIPATION

Provide details of the public participation process proposed for the application as required by Regulation 54(2) of GN R. 543, dated June 2010.

<p>The Public Participation Process (PPP) will take place throughout the EIA process. The main purpose of the PPP is:</p> <ul style="list-style-type: none"> <li>• To identify Interested and Affected Parties (I&amp;APs) that will be affected by the proposed activity;</li> <li>• To identify parties that have an interest in the proposals and/or the environment under</li> </ul>
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consideration;

- Establish a record of the procedure by which I&APs were identified and afforded the opportunity to participate at all appropriate stages of the process;
- The provision of opportunities to I&APs to express their views regarding the scope of the Environmental Reports, including alternatives and issues that were investigated;
- Provide a detailed list of issues that were identified and in particular, environmental issues; and
- Maintain a record of all correspondence and views of I&APs.

#### Interested and Affected Party Identification

The identification of Interested and Affected Parties (I&APs) or stakeholders will be carried out in three separate tasks namely:

- I&APs identified during the screening process (i.e. available stakeholder information review);
- I&APs identified as landowners within the study area; and
- I&APs who register as a result of the advertising and notification process.

Landowners will be identified through three main mechanisms, namely:

- Available databases from previous projects within the vicinity of the study area, etc;
- Landowner information obtained from a detailed deeds search (if required); and
- One on one consultation with the landowners within the study area.

I&APs will be registered on a Microsoft Excel database and will be split into a landowner database and a database containing the information of all other key stakeholders (to be referred to as key I&APs). The I&AP databases will include the full contact details of all parties identified and contacted in the EIA process and all parties who reply to advertisements and other notices or contact the PPP consultant regarding the proposed project.

The I&AP database will be expanded and updated throughout the span of the project and will be represented spatially on the GIS mapping.

#### Consultation Events

In accordance with the requirements of Regulation 54 of GN R. 543 the following public consultation events will be undertaken:

- Initial notification:
  - Site notice placement (60 notices, 30 in English and 30 in Afrikaans) at key points in the vicinity of the study area;
  - Distribution of notification letters, faxes and/or emails (letters in English and Afrikaans, and will include an map of study area, a Background Information Document, and registration/ comment sheet) to all registered I&APs;
  - Advertisements (in English and Afrikaans) placed in the following newspapers: The Courier (covering areas near Murraysburg in the Western Cape) and Die Burger (covering areas near Richmond in the Northern Cape) to accommodate the span of the proposed study area.; and
  - Placement of A3 notices (in English and Afrikaans) at public locations (e.g. Murraysburg and Richmond police stations; Murraysburg and Richmond public libraries; shopping centres or supermarkets in Murraysburg and Richmond; etc.).
- Scoping Phase:
  - Draft Scoping Report (DSR) available for public review at the Murraysburg and Richmond Libraries, the Ubuntu and Beaufort West local municipalities, as well as the

EIMS website. The comment period for reviewing the DSR will be 45 days;

- Notification letters, faxes and/or emails will be distributed to registered I&APs (including all affected landowners) regarding the availability of the DSR for comment; and
  - A public meeting to present findings of the DSR will be arranged and the details thereof included in the notification regarding the availability of the DSR.
- EIA Phase:
    - Draft EIA Report (DEIR) available for public review at the Murraysburg and Richmond Libraries, the Ubuntu and Beaufort West local municipalities, as well as the EIMS website. The comment period for reviewing the DEIR will be 45 days;
    - Notification letters, faxes and/or emails will be distributed to registered I&APs (including all affected landowners) regarding the availability of the DEIR for comment; and
    - A public meeting to present findings of the DEIR will be arranged and the details thereof included in the notification regarding the availability of the DEIR.

Ongoing Communication

Throughout the project, stakeholders will be encouraged to get into contact with the PPP team to raise issues, ask questions or make suggestions. Communication will be via telephone or in written form. Once a contact has been made, the issue/question/suggestion will be logged on the Issues and Responses Report and a response will be provided to the stakeholder.

Issues and Response Report

An Issues and Responses Report (IRR) will be compiled for the project. This report will represent a living record of the public consultation process. The IRR will capture the following information:

- Date of comment/question;
- Method of comment/question (e.g. public meeting, letter, etc.);
- Name and organisation of the person who made the comment/asked the question;
- The comment/question. The IRR will be grouped according to the themes of the issues and concerns raised; and
- An answer to the question/response to the comment or a reference as to where such information may be obtained in the Scoping Report and EIR.

The final IRR will include a column which will reflect the associated section in the Draft Environmental Management Plan (EMP) and/or Final EIR in which the issue is addressed.

Informing stakeholders of the Record of Decision (RoD)

At the end of the project, the relevant competent authority will issue an Environmental Authorisation, should the project be approved. Notification regarding the competent authority's decision and the appeal procedure will be distributed to all registered I&APs within 12 days of the issuing of the decision. This task will include the advertisement of the EA in the same newspapers used for advert previous notifications.

The appeal process will be carried out in accordance with the requirements of the EIA Regulations.

**8. OTHER AUTHORISATIONS REQUIRED**

LEGISLATION	AUTHORISATION REQUIRED	APPLICATION SUBMITTED
SEMAs		

National Environmental Management: Air Quality Act	■	NO	■	NO
National Environmental Management: Biodiversity Act <sup>1</sup>	YES	NO	■	NO
National Environmental Management: Integrated Coastal Management Act	■	NO	■	NO
National Environmental Management: Protected Areas Act	■	NO	■	NO
National Environmental Management: Waste Act <sup>2</sup>	YES	NO	■	NO
<b>National legislation</b>				
Mineral Petroleum Development Resources Act	YES	■	■	NO
National Water Act <sup>3</sup>	YES	NO	■	NO
National Heritage Resources Act <sup>4</sup>	YES	■	■	NO
Others: Please specify	■	NO	■	NO

Please provide proof of submission of applications in **Appendix 12**.

1. The Biodiversity Act requires certain permits for the disturbance of specific species. As yet as the EIA has not yet started the presence of these species is not yet known and hence it cannot be determined if a permit will be required under this Act. This will be determined through the EIA process.
2. In the event stockpiling of materials is required this may be covered by this Act. Similarly this will be confirmed through the EIA process.
3. The National Water Act (Act No. 36 of 1998) may require a Water Use License to be obtained for the Project. This will be determined as the EIA process and Project design progresses. A Water Specialist has been appointed and will provide guidance and inputs on this matter. Liaison with the Department of Water Affairs will continue throughout the EIA process and an application will be made to the Department of Water Affairs after completion of the EIA if necessary.
4. The Heritage Resource Act (Act No. 25 of 1999) Authorisation will be required for the Project and will be applied for by the appointed Heritage Specialist through liaison with Heritage Western Cape and South African Heritage Resources Agency (SAHRA).

If authorisation is necessary in terms of the National Environmental Management: Waste Act, please contact the Department for guidance on the **Integrated Permitting System**.

## 9. LIST OF APPENDICES

		SUBMITTED	
Appendix 1	Proof of Payment	YES	■
Appendix 1	Strategic Infrastructure Projects	YES	■
Appendix 2	List of Local Municipalities (with contact details)	YES	■
Appendix 3	List of land owners (with contact details) and proof of notification of land owners.	YES	■
Appendix 4	List of SGIDs	YES	■
Appendix 5	Project map	YES	■
Appendix 6	Project schedule	YES	■
Appendix 7	Declaration of Applicant	YES	■
Appendix 9	Declaration of EAP	YES	■



## environmental affairs

Department:  
Environmental Affairs  
REPUBLIC OF SOUTH AFRICA

### APPLICATION FORM FOR ENVIRONMENTAL AUTHORISATION

	(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, 1998 (Act No. 107 of 1998), (the Act) and the Environmental Impact Assessment Regulations, 2010 (the Regulations)

#### PROJECT TITLE

Proposed Umsinde Emoyeni Wind Energy Facility Near Murraysburg, Western Cape: Phase 2

#### Kindly note that:

1. This application form is current as of 1 April 2014. It is the responsibility of the applicant to ascertain whether subsequent versions of the form have been published or produced by the competent authority.
2. The application must be typed within the spaces provided in the form. The sizes of the spaces provided are not necessarily indicative of the amount of information to be provided. Spaces are provided in tabular format and will extend automatically when each space is filled with typing.
3. Where applicable **black out** the boxes that are not applicable in the form.
4. Incomplete applications will be rejected in terms of Regulation 13(2) of GN R. 543 and returned to the applicant for revision and resubmission.
5. The use of the phrase "not applicable" in the form must be done with circumspection. Should it be done in respect of material information required by the competent authority for assessing the application, it may result in the rejection of the application as provided for in the Regulations.
6. This application must be handed in at the offices of the relevant competent authority as determined by the Act and Regulations.
7. No faxed or e-mailed applications will be accepted. An electronic copy of the signed application form must be submitted together with two hardcopies (one of which must contain the original signatures).
8. Unless protected by law, all information filled in on this application form will become public information on receipt by the competent authority. Any interested and affected party should and shall be provided with the information contained in this application on request, during any stage of the application process.

9. Should a specialist report or report on a specialised process be submitted at any stage for any part of this application, the terms of reference for such report and declaration of interest of the specialist must also be submitted.
10. Proof of payment must accompany this application. The application will not be processed without proof of payment unless one of the exclusions provided for the Fee Regulations (Fees for consideration and processing of applications for environmental authorisations and amendments thereto Government Notice No.141, published on 28 February 2014) is applicable AND such information in section 1 of this application form has been confirmed by this Department.

### **Departmental Details**

**The application must be addressed to the Chief Directorate: Integrated Environmental Authorisations at:**

**Postal address:**

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

**Physical address:**

Department of Environmental Affairs  
Fedsure Forum Building (corner of Pretorius and Lillian Ngoyi Streets)  
4<sup>th</sup> Floor South Tower  
315 Pretorius Street  
Pretoria  
0002

Queries must be addressed to the contact below:

Tel: 012-395-1768  
Fax: 012-320-7539  
E-mail: [EIAAdmin@environment.gov.za](mailto:EIAAdmin@environment.gov.za)

***Please note that this form must be copied to the relevant provincial environmental department/s.***

View the Department's website at <http://www.environment.gov.za/> for the latest version of the documents.

1. **PROOF OF PAYMENT**

Applicants are required to tick the appropriate box below to indicate that either proof of payment is attached or that, in the applicant's view, an exclusion applies. Proof and a motivation for exclusions must be attached to this application form in **Appendix 1**.

Proof of payment attached as **Appendix 1**

Exclusion applies

An applicant is excluded from paying fees if:

The activity is a community based project funded by a government grant; or  
The applicant is an organ of state.

TYPE OF EXCLUSION	Tick where applicable. Proper motivation must be attached to the application
The activity is a community based project funded by a government grant	
The applicant is an organ of state	

FEE AMOUNT	Fee
Application for an environmental authorisation for which basic assessment is required in terms of the Environmental Impact Assessment Regulations	R2 000
Application for an environmental authorisation, for which S&EIR is required in terms of the Environmental Impact Assessment Regulations	R10 000

Department of Environmental Affairs' details for the payment of application fees:

<p>Payment Enquiries: Tel: 012 310 3798/ 012 310 3117 Email: <a href="mailto:eiafee@environment.gov.za">eiafee@environment.gov.za</a></p> <p>Banking details: ABSA Bank Branch code: 632005 Account number: 1044 2400 72 Current account Reference number : Reference number to be provided in the specific format indicating centre point coordinates of site in decimal degrees to 5 or 6 decimal places: latitude/longitude eg. -33.918861/18.423300</p> <p>Proof of payment must accompany the application form: Indicate reference number below.</p> <p>Tax exemption status: Status: Tax exempted</p> <p>Reference number: -31.887266/23.979037</p>
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## 2. PROJECT DESCRIPTION

Please provide a **detailed** description of the project.

The project will consist of the installation of up to 98 wind turbines spaced across the project site each with a capacity of up to 1.5-3.5 MW per turbine. The contracted capacity that the wind farm will supply to the national grid will be 140 MW however in line with the Renewable Energy Independent Producers Procurement Programme the Project can have an installed capacity of up to 147 MW.

The turbines will have a hub height of up to 120 m and a rotor diameter of up to 130 m. The height to tip (i.e. the maximum height of the turbine when the tip of the rotor blade is at its highest point above the ground) will not exceed 180 m. Each turbine may require a transformer to be located adjacent to the turbine on a concrete plinth.

The turbines will be placed on steel and concrete foundations which will each occupy an area of up to 20 m x 20 m in total up to 3 m deep. During construction laydown areas (unsealed) will be required next to each turbine and will occupy an area up to 45 m x 25 m. Up to three additional laydown areas of up to 150 m x 60 m for equipment and component storage may be temporary required on site during construction, and there will be a site office and maintenance compound.

The turbines will be accessed through a network of unsealed tracks which will be established across the project site. These access tracks will be up to 9 m wide during construction, but will be reduced to 4-6 m during operation. Existing farm access tracks will be upgraded where possible. Some aggregate for the construction of these tracks may be sourced from borrow pits within the development site.

Limited fuel storage will be required on the site for construction vehicle use. This will be less than 500 m<sup>3</sup> at any one time.

The electricity from the turbines will be transferred via a 33 kV electrical network to an onsite substation. Where practical and where site conditions allow, these electrical cables will be routed underground (where this is not possible, for limited sections a 33 kV overhead line on single pole pylons will be used). The substation will house electrical infrastructure such as transformers and switch gear to enable the energy to be transferred into the Eskom national grid. The substation will be placed on a concrete foundation with the substation compound occupying an area of up to 200 m x 250 m. There will be an on-site office compound of up to 150 m x 80 m, including site offices, parking and an operation and maintenance facility.

The turbines will be connected to the Eskom Transmission and Distribution network through overhead power lines. However, these are subject to separate Environmental Authorisations.

One EIA will be prepared for this Project as well as:

- Application for Umsinde Emoyeni Wind Energy Facility Near Murraysburg, Western Cape: Phase 1;
- Application for Electrical Grid Connection and Associated Infrastructure for Umsinde Emoyeni Wind Energy Facility Near Murraysburg, Western Cape: Phase 1; and
- Application for Electrical Grid Connection and Associated Infrastructure for Umsinde Emoyeni Wind Energy Facility Near Murraysburg, Western Cape: Phase 2.





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### 3. GENERAL INFORMATION

Applicant name:	<b>EMOYENI WIND FARM PROJECT Proprietary Limited(EWFP)</b>		
Applicant ID number:	2008/015881/07		
Responsible position, e.g. Director, CEO, etc.:	<b>EMOYENI WIND FARM PROJECT Proprietary Limited (EWFP)</b>		
Company Trading name (if any):	Managing Director		
Company Registration no (if any):	Peter Venn		
	Unit 3 Demar Square 45 Bell Crescent Close Westlake business Park 7945		
Contact person (if different to project applicant):	Postnet Suite Private Bag X26 Cape Town		
Physical address:	<b>EMOYENI WIND FARM PROJECT Proprietary Limited(EWFP)</b>		
Postal address:	2008/015881/07		
Postal code:	7966	Cell:	083 689 3063
Telephone:	021 701 1292	Fax:	021 702 4053
E-mail:	peter.venn@windlab.com	BBBEE status	3

Provincial Authority:	Western Cape Department of Environmental Affairs and Development Planning		
Contact person:	Directorate: Integrated Environmental Management (Region A1) Mr Kobus Munro		
Postal address:	Private Bag X 6509 George		
Postal code:	6530	Cell:	n/a
Telephone:	044 805 8600	Fax:	021 874 2423
E-mail:	kobus.munro@westerncape.gov.za		

Provincial Authority:	Northern Cape Department of Environmental Affairs and Nature Conservation		
Contact person:	Impact Assessment Ms Dineo Moleko		
Postal address:	Private Bag X6102Kimberly		
Postal code:	8300	Cell:	n/a
Telephone:	053 807 7467	Fax:	053 831 3530
E-mail:	dmoleko@ncpg.gov.za		

Local municipality			
Contact person:			
Postal address:			
Postal code:		Cell:	
Telephone:		Fax:	
E-mail:			

In instances where there is more than one local authority involved, please attach a list of those local authorities with their contact details as **Appendix 3**.

Landowner:			
Contact person:			
Postal address:			
Postal code:	Cell:		
Telephone:	Fax:		
E-mail:			

In instances where there is more than one landowner, please attach a list of those landowners with their contact details as **Appendix 4**. If the applicant is not the owner or person in control of the land, proof of notice to the landowner or person in control of the land on which the activity is to be undertaken must be submitted in **Appendix 4**.

Identified Competent Authority to consider the application:	Department of Environmental Affairs (DEA)
Reason(s) in terms of S 24C of NEMA 1998 as amended	<p>The Project is being developed by an Independent Power Producer (IPP). As stated in Department of Environmental Affairs and Tourism Notice 162 of 2010, Section 4.1, the "Provincial environmental authorities have agreed that the DEA shall also be the Competent Authority for EIA applications from IPPs or those involving co-generation, where these are included in the NERP (National Electricity Response Plan)".</p> <p>The DEA, is the designated competent authority for renewable energy projects which are considered as nationally important.</p> <p>Furthermore this Project spans two provinces, the Northern and Western Cape.</p> <p>The relevant provincial environmental authorities will be included, as a commenting authority, in the list of key Interested and Affected Parties.</p>

#### 4. ENVIRONMENTAL ASSESSMENT PRACTITIONER (EAP) INFORMATION

EAP:	Jennifer Slack		
Professional affiliation/registration:	Member of the South African branch of the International Association of Impact Assessment (IAIA-SA) Associate member of the Institute of Environmental Assessment and Management (IEMA) Certification to the Board of Environmental Assessment Practitioners of South Africa (EAP-SA) pending.		
Contact person (if different from EAP):	n/a		
Company:	Arcus Renewable Energy Consulting Ltd/ (EIMS has been appointed to assist in the public consultation component of the EIA).		
Physical address:	Room 211 Cube Workspace Icon Building Cnr Long Street and Hans Strijdom Road Cape Town 8001		
Postal address:	PO Box 6191 Roggebaai		
Postal code:	8012	Cell:	0767428526
Telephone:	0214121529	Fax:	n/a

E-mail:

JenniferS@arcusconsulting.co.za

If an EAP has not been appointed please ensure that an independent EAP is appointed as stipulated by Regulation 16 of GN R.543, dated June 2010, prior to the commencement of the process. The declaration of independence and the Curriculum Vitae (indicating the experience with environmental impact assessment and the relevant application processes) of the EAP must also be submitted to the Department.

## 5. SITE DESCRIPTION

Provide a detailed description of the site involved in the application.

NOTE: 4 applications are being submitted simultaneously all of which include the farm names and numbers stipulated below. This is because within these land portions there will be 2 x 140 (147) MW wind farms, each with an accompanying grid connection application. The location of each wind farm and its grid connection within these farm portions is not yet confirmed. It will need to be informed by the EIA process. As such all the farm portions are included in all applications as the infrastructure for any of the 4 applications may, by the time of final design, be located in these farm portions.

Province	Western Cape	Northern Cape
District Municipality	Central Karoo	Pixley ka Seme
Local Municipality	Beaufort West	Ubuntu
Ward number(s)	1	3
Nearest town(s)	Murraysburg	Richmond
Farm name(s) and number(s)	<b>Murraysburg RD</b> Portion 0 (Remaining Extent) Of Farm No. 28 (Swavel Kranse) Portion 1 Of Farm No. 29 (Hout Kloof) Portion 2 (Kapoksfontein) Of the Farm De Hoop No. 30 Portion 3 (a portion of Portion1) Of the Farm De Hoop No. 30 Portion 1 of the Farm Matjeskloof No 27 The Farm Voetpad No 51 Remaining Extent of Farm 30 (De Hoop) Portion 7 (De Tafel)(Portion of Portion 2) of the Farm Driefontein No. 26 Portion 1 of the Farm MiddelValy No 52 Remainder of the Farm Klein Driefontien No. 152 Portion 3 (portion of portion 1) of the Farm Driefontein No 26 Remainder of portion 2 of the Farm Driefontein No 26 Portion 10 (a portion of Portion 1) of the Farm Driefontein No 26 The Farm Rhenosterfontein No. 50 Portion 7 (a portion of Portion 6) of the Farm Witteklip No 32 Portion 1 of Farm Klein Driefontein No.152 Portion 2 (portion of portion 9) of the Farm Witteklip No. 32 Remainder of Portion 1 (Springfontein) of the Farm De Hoop No 30 Portion 4 of the Farm De Hoop No 30 Portion 4 (a portion of portion 1) of the Farm Driefontein No 26 Portion 2 (Hartebeesfontein) of the Farm Swavel Kranse	



	GN R. 543
<i>e.g. GN R.544 Item XX(x): The construction of a bridge within 32m of a water course</i>	<i>e.g. A bridge measuring 5 m in height and 10m in length, no wider than 8 meters will be built over the Vaal river</i>
<b>GN R.544 (18 June 2010)</b> <b>National Environmental Management Act, 1998 (Act No. 107 of 1998)</b> <b>Listing Notice 1: List of Activities and Competent Authorities Identified in Terms of Sections 24(2) and 24D (Basic Assessment)</b>	
GN R.544 10 (i) The construction 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 kV.	33kV electrical reticulation will be installed to transfer the electricity from the turbines to the 33/132kV onsite substation. The powerlines will be installed underground where possible.
GN R.544 11. (iii) (x) and (xi) The construction of: (iii) bridges; (x) buildings exceeding 50 m <sup>2</sup> in size; or (xi) infrastructure or structures covering 50 m <sup>2</sup> or more where such construction occurs within a watercourse or within 32 m of a watercourse, measured from the edge of a watercourse, excluding where such construction will occur behind the development setback line.	Bridges maybe required to cross watercourses on the project site for the access tracks. The location and extent of these watercrossings will be determined through the EIA process.  The footprint of the building is not yet known and will be confirmed through the EIA phase.  The footprint of the turbines and associated infrastructure will exceed 50 m <sup>2</sup> .  The exact position of the WEF and all associated infrastructure and activities will only be identified at the conclusion of, and informed by, the EIA process. Considering the extent of the project study area and the fact that the study area includes watercourses it is anticipated that this listed activity will be triggered.
GN R.544 13. The construction 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 but not exceeding 500 m <sup>3</sup> .	Storage of fuel on site, for use during the construction phase, will be required. The volume stored will be less than 500 m <sup>3</sup> .  The proposed Substation is likely to require the use of transformer oils and other hazardous substances, during the operational phase. The combined volumes will be determined at a later stage, but may exceed the specified thresholds.
GN R.544 18. (i) The infilling or depositing of any material of more than 5 cubic metres into, or the dredging, excavation, removal or moving of soil, sand, shells, shell grit, pebbles or rock from (i) a watercourse	Borrow pits for the sourcing of aggregate material will be required on the project site. It is not yet known the location of these in relation to watercourses however this clause may be triggered depending on the availability of aggregate locations.  In addition the construction of the turbines and associated infrastructure (depending on the exact locations) may require excavation and/or infilling of watercourse areas. The extent and location of the likely triggers to this listed activity will be clarified during the EIA process.
GN R.544 22 (i) and (ii) The construction of a road, outside urban	Access tracks will be required between the turbines. These will be unsealed and will likely be between 4-9m

areas, (i) with a reserve wider than 13,5 m or, (ii) where no reserve exists where the road is wider than 8 m.	in width. These access tracks will be up to 9 m wide during construction, but will be reduced to 4-6 m during operation. However this will be confirmed during the EIA process.
GN R.544 23. (ii) The transformation of undeveloped, vacant or derelict land to – (ii) residential, retail, commercial, recreational, industrial or institutional use, outside an urban area and where the total area to be transformed is bigger than 1 hectare but less than 20 hectares;	The project is located on currently undeveloped land. The combined footprint of the turbines, laydown areas, road and electrical reticulation, on-site office and substation is not yet known. It is highly likely to exceed 1 hectare. Whether it will exceed 20 hectares is not known. This clause may apply and hence has been included subject to confirmation through the EIA process.
GN R.544 24. The transformation of land bigger than 1000 m <sup>2</sup> in size, to residential, retail, commercial, industrial or institutional use, where, at the time of the coming into effect of this Schedule such land was zoned open space, conservation or had an equivalent zoning.	According to the available spatial data there are no designated conservation or public open space areas within the Project. However this will be clarified through the consultations with the relevant local authority during the EIA process.
GN R.544. 26. Any process or activity identified in terms of section 53(1) of the National Environmental Management: Biodiversity Act, 2004 (Act No. 10 of 2004).	At present this section of the NEMBA is not yet defined so it does not apply at this time. However in the event that this comes into force during the EIA process and protected species are found to be present due regard would be given to its content.
GN R.544. 39 (iii) The expansion of: (iii) bridges within a watercourse or within 32 m of a watercourse, measured from the edge of a watercourse, where such expansion will result in an increased development footprint.	As the route of the access tracks and infrastructure locations has not yet been determined it is possible, if bridges exist, that these may be utilised through extension to facilitate the project.
GN R.544. 47. (i) and (ii) The widening of a road by more than 6 m, or the lengthening of a road by more than 1 km - (i) where the existing reserve is wider than 13,5 m; or (ii) where no reserve exists, where the existing road is wider than 8 m.	Where existing tracks/roads exist within the site these maybe widened or lengthened to facilitate the access tracks of 4-9m which will be used to access the turbines.
<b>GN R.545 (18 June 2010)</b> <b>National Environmental Management Act, 1998 (Act No. 107 of 1998)</b> <b>Listing Notice 2: List of Activities and Competent Authorities Identified in Terms of Sections 24(2) and 24D (Scoping and EIA)</b>	
GN R.545. 1. The construction of facilities or infrastructure for the generation of electricity where the electricity output is 20 MW or more.	Construction of a wind energy facility up to 147 MW in installed capacity.  The facility is comprised of individual, spatially separated, turbines with an individual generating capacity of 1.5 – 3.5MW each.
GN. R545. 15. Physical alteration of undeveloped, vacant or derelict land for residential, retail, commercial, recreational, industrial or institutional use where the total area to be transformed is 20	The project is located on currently undeveloped land the combined footprint of the turbines, laydown areas and substation may exceed 20 hectares (subject to the final design) and hence this clause may be triggered.

Ha or more.	
<b>GN R.546 (18 June 2010)</b> <b>National Environmental Management Act, 1998 (Act No. 107 of 1998)</b> <b>Listing Notice 3: List of Activities and Competent Authorities Identified in Terms of Sections 24(2) and 24D (Basic Assessment)</b>	
GN. R.546. 4. The construction of a road wider than 4 m with a reserve less than 13.5 m. <b>(d) In Western Cape:</b> ii. All areas outside urban areas;	Access tracks will be required between the turbines and other infrastructure onsite. These will be unsealed and will likely be between 4-9m in width however this will be confirmed throughout the EIA process. These access tracks will be up to 9 m wide during construction, but will be reduced to 4-6 m during operation. The site covers a small portion that falls within the Karoo Escarpment Grassland (NPAESFA) of the Western Cape Province.  The proposed site falls outside of urban areas.
GN. R.546. 10. The construction of facilities or infrastructure for the storage, or storage and handling of a dangerous good, where such storage occurs in containers with a combined capacity of 30 but not exceeding 80 m <sup>3</sup> <b>(a) In Northern Cape Province:</b> ii. Outside urban areas, in: (ii) Areas on the watercourse side of the development setback line or within 100m from the edge of a watercourse where no such setback line has been determined. <b>(e) In Western Cape:</b> ii. All areas outside urban areas;	Storage of fuel on the site will be required however the volume of this storage is not yet confirmed and hence this clause maybe applicable.  The proposed study area falls outside of urban areas. Considering the extensive size of the proposed study area and the extent of potential watercourses within the study area, there is a possibility that fuel storage facilities may be located within 100m from the edge of a watercourse. The exact volumes and locations for such storage facilities will be determined during the EIA process.
GN. R.546. 12. The clearance of an area of 300 m <sup>2</sup> or more of vegetation where 75% or more of the vegetative cover constitutes indigenous vegetation.	Spatial information available indicates this clause will not be applicable however the volume of vegetation to be removed, and the nature of this vegetation, will be determined through the ongoing design and the specialists ecological studies. This will determine conclusively if this clause is applicable to the project.
GN. R.546. 13 The clearance of an area of 1 Ha or more of vegetation where 75% or more of the vegetative cover constitutes indigenous Vegetation. <b>(c) In the Northern Cape and Western Cape:</b> ii. Outside urban areas, the following: (bb) National Protected Area Expansion Strategy Focus Areas (NPAESFA).	The volume of vegetation to be removed, and the nature of this vegetation, will be determined through the ongoing design and the specialists ecological studies.  The study area covers a small portion that falls within the Karoo Escarpment Grassland (NPAESFA) of the Western Cape Province.  This clause may be applicable to the project.
GN. R.546. 14 The clearance of an area of 5 Ha or more of vegetation where 75% or more of the vegetative cover constitutes indigenous Vegetation.... <b>(a) In the Northern Cape and Western Cape:</b>	The area of vegetation to be removed, and the nature of this vegetation, will be determined through the ongoing design and the specialists ecological studies.  Considering the extent of the project study area and the undeveloped nature of the receiving environment, it is possible that this activity will be triggered. The

i. All areas outside urban areas.	applicability of this activity will be determined during the EIA process.
GN. R.546. 16 (iii) and (iv) The construction of: (iii) buildings with a footprint exceeding 10 m <sup>2</sup> in size; or (iv) infrastructure covering 10 m <sup>2</sup> or more where such construction occurs within a watercourse or within 32 m of a watercourse, measured from the edge of a watercourse. <b>(d) In the Western Cape:</b> ii. Outside urban areas, in: (bb) National Protected Area Expansion Strategy Focus Areas (NPAESFA).	The footprint of the turbines and associated infrastructure will exceed covering 50 m <sup>2</sup> . The location of buildings and infrastructure in relation to watercourses has not yet been determined and will be confirmed through the ongoing design and EIA process. This clause may be applicable.  The study area covers a small portion that falls within the Karoo Escarpment Grassland (NPAESFA) of the Western Cape Province.
GN. R.546. 19. The widening of a road by more than 4 m, or the lengthening of a road by more than 1 km. <b>(a) In the Northern Cape:</b> ii. Outside urban areas, in: (ii) Areas on the watercourse side of the development setback line or within 100m from the edge of a watercourse where no such setback line has been determined <b>(d) In the Western Cape:</b> ii. All areas outside urban areas.	Where existing tracks/roads exist within the site these maybe widened or lengthened to facilitate the access tracks of 4-9m which will be used to access the turbines. These access tracks will be up to 9 m wide during construction, but will be reduced to 4-6 m during operation.  The majority of the proposed study area falls outside of urban areas. Considering the extensive size of the proposed study area and the extent of potential watercourses within the study area, there is a possibility that roads may be upgraded and may be located within 100m from the edge of a watercourse. The exact extents and locations for such storage facilities will be determined during the EIA process.

Please note that any authorisation that may result from this application will only cover activities specifically applied for. Co-ordinate points indicating the location of each listed activity must be provided with the relevant report (i.e. either BAR or EIR).

Please provide a project map indicating any sensitive areas (e.g. critical biodiversity area, World Heritage Site, etc.) overlaid by the study area in **Appendix 6**.

A project schedule, indicating the different phases and timelines of the project, must be attached as **Appendix 7**.

## 7. PUBLIC PARTICIPATION

Provide details of the public participation process proposed for the application as required by Regulation 54(2) of GN R. 543, dated June 2010.

The Public Participation Process (PPP) will take place throughout the EIA process. The main purpose of the PPP is:

- To identify Interested and Affected Parties (I&APs) that will be affected by the proposed activity;
- To identify parties that have an interest in the proposals and/or the environment under



consideration;

- Establish a record of the procedure by which I&APs were identified and afforded the opportunity to participate at all appropriate stages of the process;
- The provision of opportunities to I&APs to express their views regarding the scope of the Environmental Reports, including alternatives and issues that were investigated;
- Provide a detailed list of issues that were identified and in particular, environmental issues; and
- Maintain a record of all correspondence and views of I&APs.

#### Interested and Affected Party Identification

The identification of Interested and Affected Parties (I&APs) or stakeholders will be carried out in three separate tasks namely:

- I&APs identified during the screening process (i.e. available stakeholder information review);
- I&APs identified as landowners within the study area; and
- I&APs who register as a result of the advertising and notification process.

Landowners will be identified through three main mechanisms, namely:

- Available databases from previous projects within the vicinity of the study area, etc;
- Landowner information obtained from a detailed deeds search (if required); and
- One on one consultation with the landowners within the study area.

I&APs will be registered on a Microsoft Excel database and will be split into a landowner database and a database containing the information of all other key stakeholders (to be referred to as key I&APs). The I&AP databases will include the full contact details of all parties identified and contacted in the EIA process and all parties who reply to advertisements and other notices or contact the PPP consultant regarding the proposed project.

The I&AP database will be expanded and updated throughout the span of the project and will be represented spatially on the GIS mapping.

#### Consultation Events

In accordance with the requirements of Regulation 54 of GN R. 543 the following public consultation events will be undertaken:

- Initial notification:
  - Site notice placement (60 notices, 30 in English and 30 in Afrikaans) at key points in the vicinity of the study area;
  - Distribution of notification letters, faxes and/or emails (letters in English and Afrikaans, and will include a map of study area, a Background Information Document, and registration/ comment sheet) to all registered I&APs;
  - Advertisements (in English and Afrikaans) placed in the following newspapers: The Courier (covering areas near Murraysburg in the Western Cape) and Die Burger (covering areas near Richmond in the Northern Cape) to accommodate the span of the proposed study area.; and
  - Placement of A3 notices (in English and Afrikaans) at public locations (e.g. Murraysburg and Richmond police stations; Murraysburg and Richmond public libraries; shopping centres or supermarkets in Murraysburg and Richmond; etc.).

- Scoping Phase:
  - Draft Scoping Report (DSR) available for public review at the Murraysburg and Richmond Libraries, the Ubuntu and Beaufort West local municipalities, as well as the EIMS website. The comment period for reviewing the DSR will be 45 days;
  - Notification letters, faxes and/or emails will be distributed to registered I&APs (including all affected landowners) regarding the availability of the DSR for comment; and
  - A public meeting to present findings of the DSR will be arranged and the details thereof included in the notification regarding the availability of the DSR.
- EIA Phase:
  - Draft EIA Report (DEIR) available for public review at the Murraysburg and Richmond Libraries, the Ubuntu and Beaufort West local municipalities, as well as the EIMS website. The comment period for reviewing the DEIR will be 45 days;
  - Notification letters, faxes and/or emails will be distributed to registered I&APs (including all affected landowners) regarding the availability of the DEIR for comment; and
  - A public meeting to present findings of the DEIR will be arranged and the details thereof included in the notification regarding the availability of the DEIR.

#### Ongoing Communication

Throughout the project, stakeholders will be encouraged to get into contact with the PPP team to raise issues, ask questions or make suggestions. Communication will be via telephone or in written form. Once a contact has been made, the issue/question/suggestion will be logged on the Issues and Responses Report and a response will be provided to the stakeholder.

#### Issues and Response Report

An Issues and Responses Report (IRR) will be compiled for the project. This report will represent a living record of the public consultation process. The IRR will capture the following information:

- Date of comment/question;
- Method of comment/question (e.g. public meeting, letter, etc.);
- Name and organisation of the person who made the comment/asked the question;
- The comment/question. The IRR will be grouped according to the themes of the issues and concerns raised; and
- An answer to the question/response to the comment or a reference as to where such information may be obtained in the Scoping Report and EIR.

The final IRR will include a column which will reflect the associated section in the Draft Environmental Management Plan (EMP) and/or Final EIR in which the issue is addressed.

#### Informing stakeholders of the Record of Decision (RoD)

At the end of the project, the relevant competent authority will issue an Environmental Authorisation, should the project be approved. Notification regarding the competent authority's decision and the appeal procedure will be distributed to all registered I&APs within 12 days of the issuing of the decision. This task will include the advertisement of the EA in the same newspapers used for advert previous notifications.

The appeal process will be carried out in accordance with the requirements of the EIA Regulations.

## 8. OTHER AUTHORISATIONS REQUIRED

LEGISLATION	AUTHORISATION REQUIRED		APPLICATION SUBMITTED	
<b>SEMA's</b>				
National Environmental Management: Air Quality Act	■	NO	■	NO
National Environmental Management: Biodiversity Act <sup>1</sup>	YES	NO	■	NO
National Environmental Management: Integrated Coastal Management Act	■	NO	■	NO
National Environmental Management: Protected Areas Act	■	NO	■	NO
National Environmental Management: Waste Act <sup>2</sup>	YES	NO	■	NO
<b>National legislation</b>				
Mineral Petroleum Development Resources Act	YES	■	■	NO
National Water Act <sup>3</sup>	YES	NO	■	NO
National Heritage Resources Act <sup>4</sup>	YES	■	■	NO
Others: Please specify	■	NO	■	NO

Please provide proof of submission of applications in **Appendix 12**.

1. The Biodiversity Act requires certain permits for the disturbance of specific species. As yet as the EIA has not yet started the presence of these species is not yet known and hence it cannot be determined if a permit will be required under this Act. This will be determined through the EIA process.
2. In the event stockpiling of materials is required this may be covered by this Act. Similarly this will be confirmed through the EIA process.
3. The National Water Act (Act No. 36 of 1998) may require a Water Use License to be obtained for the Project. This will be determined as the EIA process and Project design progresses. A Water Specialist has been appointed and will provide guidance and inputs on this matter. Liaison with the Department of Water Affairs will continue throughout the EIA process and an application will be made to the Department of Water Affairs after completion of the EIA if necessary.
4. The Heritage Resource Act (Act No. 25 of 1999) Authorisation will be required for the Project and will be applied for by the appointed Heritage Specialist through liaison with Heritage Western Cape and South African Heritage Resources Agency (SAHRA).

If authorisation is necessary in terms of the National Environmental Management: Waste Act, please contact the Department for guidance on the **Integrated Permitting System**.

## 9. LIST OF APPENDICES

		SUBMITTED	
Appendix 1	Proof of Payment	YES	■
Appendix 1	Strategic Infrastructure Projects	YES	■
Appendix 2	List of Local Municipalities (with contact details)	YES	■
Appendix 3	List of land owners (with contact details) and proof of notification of land owners.	YES	■
Appendix 4	List of SGIDs	YES	■
Appendix 5	Project map	YES	■
Appendix 6	Project schedule	YES	■
Appendix 7	Declaration of Applicant	YES	■
Appendix 9	Declaration of EAP	YES	■

**APPENDIX 1**  
**PROOF OF PAYMENT/ MOTIVATION FOR EXCLUSION**



## **NOTIFICATION OF PAYMENT**

To whom it may concern:

First National Bank hereby confirms that the following payment has been made:

Date Actioned : 2014-04-02  
Time Actioned : 14:49:38  
Trace ID : NGFNX8LB48

### **Payer Details**

Payment From : WINDLAB DEVELOPMENTS SOUTH AFRICA  
Amount : 10000.00

### **Payee Details**

Recipient/Account no : ...240072  
Recipient Name : Department of Environmental Af  
Bank : ABSA Bank  
Branch Code : 632005  
Reference : Windlab\_-31.783269/23.897913  
Channel : *INTERNET*

### **END OF NOTIFICATION**

To authenticate this Payment Notification please visit our website at <https://www.fnb.co.za>, click on Online Banking, select the "Verify Payment" option and follow the on-screen instructions

Our customer (the payer) has requested FirstRand Bank Limited to send this notification of payment to you. Should you have any queries regarding the contents of this notice, please contact the payer. FirstRand Bank Limited does not guarantee or warrant the accuracy and integrity of the information and data transmitted electronically and we accept no liability what soever for any loss, expense, claim or damage, whether direct, indirect or consequential, arising from the transmission of the information and data.

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Payment From : WINDLAB DEVELOPMENTS SOUTH AFRICA  
Amount : 10000.00

**Payee Details**

Recipient/Account no : ...240072  
Recipient Name : Department of Environmental Af  
Bank : ABSA Bank  
Branch Code : 632005  
Reference : Windlab\_-31.887266/23.979037  
Channel : INTERNET

**END OF NOTIFICATION**

To authenticate this Payment Notification please visit our website at <https://www.fnb.co.za>, click on Online Banking, select the "Verify Payment" option and follow the on-screen instructions

Our customer (the payer) has requested FirstRand Bank Limited to send this notification of payment to you. Should you have any queries regarding the contents of this notice, please contact the payer. FirstRand Bank Limited does not guarantee or warrant the accuracy and integrity of the information and data transmitted electronically and we accept no liability whatsoever for any loss, expense, claim or damage, whether direct, indirect or consequential, arising from the transmission of the information and data.

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**APPENDIX 2  
STRATEGIC INFRASTRUCTURE PROJECTS**

<p><b>SIP 1: Unlocking the northern mineral belt with Waterberg as the catalyst</b></p> <ul style="list-style-type: none"> <li>• Unlock mineral resources</li> <li>• Rail, water pipelines, energy generation and transmission infrastructure</li> <li>• Thousands of direct jobs across the areas unlocked</li> <li>• Urban development in Waterberg - first major post-apartheid new urban centre will be a "green" development project</li> <li>• Rail capacity to Mpumalanga and Richards Bay</li> <li>• Shift from road to rail in Mpumalanga</li> <li>• Logistics corridor to connect Mpumalanga and Gauteng.</li> </ul>	N/A
<p><b>SIP 2: Durban-Free State-Gauteng logistics and industrial corridor</b></p> <ul style="list-style-type: none"> <li>• Strengthen the logistics and transport corridor between SA's main industrial hubs</li> <li>• Improve access to Durban's export and import facilities</li> <li>• Integrate Free State Industrial Strategy activities into the corridor</li> <li>• New port in Durban</li> <li>• Aerotropolis around OR Tambo International Airport.</li> </ul>	N/A
<p><b>SIP 3: South-Eastern node &amp; corridor development</b></p> <ul style="list-style-type: none"> <li>• New dam at Mzimvubu with irrigation systems</li> <li>• N2-Wild Coast Highway which improves access into KwaZulu-Natal and national supply chains</li> <li>• Strengthen economic development in Port Elizabeth through a manganese rail capacity from Northern Cape</li> <li>• A manganese sinter (Northern Cape) and smelter (Eastern Cape)</li> <li>• Possible Mthombo refinery (Coega) and transshipment hub at Ngqura and port and rail upgrades to improve industrial capacity and performance of the automotive sector.</li> </ul>	N/A
<p><b>SIP 4: Unlocking the economic opportunities in North West Province</b></p> <ul style="list-style-type: none"> <li>• Acceleration of investments in road, rail, bulk water, water treatment and transmission infrastructure</li> <li>• Enabling reliable supply and basic service delivery</li> <li>• Facilitate development of mining, agricultural activities and tourism opportunities</li> <li>• Open up beneficiation opportunities in North West Province.</li> </ul>	N/A
<p><b>SIP 5: Saldanha-Northern Cape development corridor</b></p> <ul style="list-style-type: none"> <li>• Integrated rail and port expansion</li> <li>• Back-of-port industrial capacity (including an IDZ)</li> <li>• Strengthening maritime support capacity for oil and gas along African West Coast</li> <li>• Expansion of iron ore mining production and beneficiation.</li> </ul>	N/A
<p><b>SIP 6: Integrated municipal infrastructure project</b> Develop national capacity to assist the 23 least resourced districts (19 million people) to address all the maintenance backlogs and upgrades required in water, electricity and sanitation bulk infrastructure. The road maintenance programme will enhance service delivery capacity thereby impacting positively on the population.</p>	N/A
<p><b>SIP 7: Integrated urban space and public transport programme</b> Coordinate planning and implementation of public transport, human settlement, economic and social infrastructure and location decisions into sustainable urban settlements connected by densified transport corridors. This will focus on the 12 largest urban centres of the country, including all the metros in South Africa. Significant work is underway on urban transport</p>	N/A

integration.	
<p><b>SIP 8: Green energy in support of the South African economy</b> Support sustainable green energy initiatives on a national scale through a diverse range of clean energy options as envisaged in the Integrated Resource Plan (IRP2010) and support bio-fuel production facilities.</p> <p><i>Indicate capacity in MW: 140 MW</i></p>	Y
<p><b>SIP 9: Electricity generation to support socioeconomic development</b> Accelerate the construction of new electricity generation capacity in accordance with the IRP2010 to meet the needs of the economy and address historical imbalances. Monitor implementation of major projects such as new power stations: Medupi, Kusile and Ingula.</p> <p><i>Indicate capacity in MW:</i></p>	N/A
<p><b>SIP 10: Electricity transmission and distribution for all</b> Expand the transmission and distribution network to address historical imbalances, provide access to electricity for all and support economic development. Align the 10-year transmission plan, the services backlog, the national broadband roll-out and the freight rail line development to leverage off regulatory approvals, supply chain and project development capacity.</p>	Y
<p><b>SIP 11: Agri-logistics and rural infrastructure</b> Improve investment in agricultural and rural infrastructure that supports expansion of production and employment, small-scale farming and rural development, including facilities for storage (silos, fresh-produce facilities, packing houses); transport links to main networks (rural roads, branch train-line, ports), fencing of farms, irrigation schemes to poor areas, improved R&amp;D on rural issues (including expansion of agricultural colleges), processing facilities (abattoirs, dairy infrastructure), aquaculture incubation schemes and rural tourism infrastructure.</p>	N/A
<p><b>SIP 12: Revitalisation of public hospitals and other health facilities</b> Build and refurbish hospitals, other public health facilities and revamp 122 nursing colleges. Extensive capital expenditure to prepare the public healthcare system to meet the requirements of the National Health Insurance (NHI) system. The SIP contains major builds for 6 hospitals.</p>	N/A
<p><b>SIP 13: National school build programme</b> A national school build programme driven by uniformity in planning, procurement, contract management and provision of basic services. Replace inappropriate school structures and address basic service backlog and provision of basic services under the Accelerated School Infrastructure Delivery Initiative (ASIDI). In addition, address national backlogs in classrooms, libraries, computer labs and admin buildings. Improving the learning environment will strengthen outcomes especially in rural schools, as well as reduce overcrowding.</p>	N/A
<p><b>SIP 14: Higher education infrastructure</b> Infrastructure development for higher education, focusing on lecture rooms, student accommodation, libraries and laboratories, as well as ICT connectivity. Development of university towns with a combination of facilities from residence, retail to recreation and transport. Potential to ensure shared infrastructure such as libraries by universities, FETs and other educational institutions. Two new universities will be built - in Northern Cape and Mpumalanga.</p>	N/A
<p><b>SIP 15: Expanding access to communication technology</b> Provide for broadband coverage to all households by 2020 by establishing core Points of Presence (POPs) in district municipalities, extend new Infracore fibre networks across provinces linking districts, establish POPs and fibre connectivity at local level, and further penetrate the network into deep rural areas. While the private sector will invest in ICT infrastructure for urban and corporate networks,</p>	N/A



<p>government will co-invest for township and rural access, as well as for e-government, school and health connectivity.</p> <p>The school roll-out focus is initially on the 125 Dinaledi (science and maths-focussed) schools and 1525 district schools. Part of digital access to all South Africans includes TV migration nationally from analogue to digital broadcasting.</p>	
<p><b>SIP 16: SKA &amp; Meerkat</b></p> <p>SKA is a global mega-science project, building an advanced radio-telescope facility linked to research infrastructure and high-speed ICT capacity and provides an opportunity for Africa and South Africa to contribute towards global advanced science projects.</p>	N/A
<p><b>SIP 17: Regional integration for African cooperation and development</b></p> <p>Participate in mutually beneficial infrastructure projects to unlock long-term socio-economic benefits by partnering with fast growing African economies with projected growth ranging between 3% and 10%.</p> <p>The projects involving transport, water and energy also provide competitively-priced, diversified, short and medium to long-term options for the South African economy where, for example, electricity transmission in Mozambique (Cesul) could assist in providing cheap, clean power in the short-term whilst Grand Inga in the DRC is long-term.</p> <p>All these projects complement the Free Trade Area (FTA) discussions to create a market of 600 million people in South, Central and East Africa.</p>	N/A
<p><b>SIP 18: Water and sanitation infrastructure</b></p> <p>A 10-year plan to address the estimated backlog of adequate water to supply 1.4m households and 2.1m households to basic sanitation.</p> <p>The project will involve provision of sustainable supply of water to meet social needs and support economic growth. Projects will provide for new infrastructure, rehabilitation and upgrading of existing infrastructure, as well as improve management of water infrastructure.</p>	N/A

**APPENDIX 3 (IF APPLICABLE)  
LIST OF LOCAL MUNICIPALITIES**

The proposed study area is largely within Western Cape Province near the town of Murraysburg. However, a portion of the proposed study area also falls within the Northern Cape Province towards the town of Richmond. As a result, two district and local municipalities are included in this project and the table below presents the associated contact details.

<b>Affected Municipality</b>	<b>Western Cape Province</b>	<b>Northern Cape Province</b>
District Municipality	Central Karoo	Pixley ka Seme
Local Municipality	Beaufort West	Ubuntu
Contact Person(s)	Municipal Manager : Mr Jafta Booysen Private Bag X582 Beaufort West 6970 Tel: 023 414 8020 Fax: 023 415 1373/ 023 415 8105 Email: <a href="mailto:jaffie@beaufortwestmun.co.za">jaffie@beaufortwestmun.co.za</a>  Ward 1 Councillor: Ms Latitia Deyce Private Bag X582 Beaufort West 6970 Tel: 072 777 3234	Municipal Manager: Mr Martin Fillis Private Bag X329 Victoria West 7070 Tel: 053 621 0026 Fax: 053 621 0368 Email: <a href="mailto:mfillis@mweb.co.za">mfillis@mweb.co.za</a>  Ward 3 Councillor: Ms Cheryl Jantjies Private Bag X329 Victoria West 7070 Tel: 079 069 8253

**APPENDIX 4  
LIST OF LAND OWNERS  
PROOF OF NOTIFICATION OF LAND OWNERS**

<b>Landowner:</b>	Soldaatkop Estates		
<b>Properties</b>	Portion 1 of Farm Klein Driefontein No.152 Portion 2 (portion of portion 9) of the Farm Witteklip No. 32		
<b>Contact person:</b>	Geoff Kingwill		
<b>Postal address:</b>	PO Box 514, Graaff Reinet		
<b>Postal code:</b>	6280	<b>Cell:</b>	083 281 3205
<b>Telephone:</b>	049 854 9231	<b>Fax:</b>	049 854 9700
<b>E-mail:</b>	geoff@kingwill.co.za		

<b>Landowner:</b>	Denyl Kingwill Family Trust		
<b>Properties</b>	Portion 7 (De Tafel)(Portion of Portion 2) of the Farm Driefontein No. 26 Portion 1 of the Farm MiddelValy No 52 Remainder of the Farm Klein Driefontien No. 152		
<b>Contact person:</b>	Kayne Kingwill		
<b>Postal address:</b>	PO Box 785, Graaff Reinet		
<b>Postal code:</b>	6280	<b>Cell:</b>	083 962 2799
<b>Telephone:</b>	049 892 5511	<b>Fax:</b>	086 550 8365
<b>E-mail:</b>	kayne@telkomsa.net		

<b>Landowner:</b>	Daniel Christoffel Retief		
<b>Properties</b>	Remaining Extent Of Farm No. 30 (De Hoop)		
<b>Contact person:</b>	Niel Retief		
<b>Postal address:</b>	PO Box 16, Graaff Reinet		
<b>Postal code:</b>	6280	<b>Cell:</b>	-
<b>Telephone:</b>	049 854 9120	<b>Fax:</b>	-
<b>E-mail:</b>	-		

<b>Landowner:</b>	Grootdriefontein Boerdery Trust		
<b>Properties</b>	Portion 3 (a portion of portion 1) of the Farm Driefontein No 26 Remainder of portion 2 of the Farm Driefontein No 26 Portion 10 (a portion of Portion 1) of the Farm Driefontein No 26		
<b>Contact person:</b>	Percy Reynolds		
<b>Postal address:</b>	PO Box 367, Murraysburg		
<b>Postal code:</b>	6995	<b>Cell:</b>	

<b>Telephone:</b>	049 854 9131	<b>Fax:</b>	
<b>E-mail:</b>	percy.karin.reynolds@gmail.com		

<b>Landowner:</b>	CHJ Slabbert		
<b>Properties</b>	Portion 1 of the Farm Matjeskloof No 27, The Farm Voetpad No 51		
<b>Contact person:</b>	Chris Slabbert		
<b>Postal address:</b>	PO Box 221, Graaff Reinet		
<b>Postal code:</b>	6280	<b>Cell:</b>	
<b>Telephone:</b>	049 854 9211	<b>Fax:</b>	
<b>E-mail:</b>	chris.slabbert3@gmail.com		

<b>Landowner:</b>	Grootplaats Farms CC & Schanskraal Farming CC		
<b>Properties</b>	<u>Grootplaats Farms CC:</u> The Farm Rhenosterfontein No. 50  <u>Schanskraal Farming CC:</u> Portion 7 (a portion of Portion 6) of the Farm Witteklip No 32		
<b>Contact person:</b>	John Butterworth		
<b>Postal address:</b>	PO Box 208, Graaff Reinet		
<b>Postal code:</b>	6280	<b>Cell:</b>	
<b>Telephone:</b>	049 854 9221	<b>Fax:</b>	049 854 9221
<b>E-mail:</b>	jbutts@vodamail.co.za		

<b>Landowner:</b>	Springfontein Trust		
<b>Properties</b>	Remainder of Portion 1 (Springfontein) of the Farm De Hoop No 30 Portion 4 of the Farm De Hoop No 30		
<b>Contact person:</b>	Andrew Wallis		
<b>Postal address:</b>	PO Box 79, Graaff Reinet		
<b>Postal code:</b>	6280	<b>Cell:</b>	
<b>Telephone:</b>	049 854 9130	<b>Fax:</b>	
<b>E-mail:</b>	springfontein@nashuaisp.co.za		

<b>Landowner:</b>	Trouberg Trust		
<b>Properties</b>	Portion 4 (a portion of portion 1) of the Farm Driefontein No 26 Portion 2 (Hartebeesfontein) of the Farm Swavel Kranse No 28		
<b>Contact person:</b>	Martin Hesselink		
<b>Postal address:</b>	PO Box 321, Murraysburg		
<b>Postal code:</b>	6995	<b>Cell:</b>	072 139 6969

<b>Telephone:</b>	049 854 9113	<b>Fax:</b>	
<b>E-mail:</b>	trouberg@vodamail.co.za		

<b>Landowner:</b>	Bakensklip Trust		
<b>Properties</b>	Portion 1 of the farm Klipplaat No 109 Portion 3 (portion of Portion 2) of the farm Klipplaat No 109		
<b>Contact person:</b>	Kobus van Heerden		
<b>Postal address:</b>	Po Box 358, Murraysburg		
<b>Postal code:</b>	6995	<b>Cell:</b>	076 87 111 00
<b>Telephone:</b>	049 853 9903	<b>Fax:</b>	
<b>E-mail:</b>	magdavanheerden@yahoo.com		

<b>Landowner:</b>	Klipplaat Trust		
<b>Properties</b>	The Remainder of Portion 2 of the Farm Klipplaat No. 109, The Remainder of the Farm Klipplaat No.109;		
<b>Contact person:</b>	Dr AP Marais		
<b>Postal address:</b>	PO Box 459, Graaff Reinet		
<b>Postal code:</b>	6280	<b>Cell:</b>	
<b>Telephone:</b>	049 892 2171	<b>Fax:</b>	049 892 2689
<b>E-mail:</b>	dakman@intekom.co.za		

<b>Landowner:</b>	Alwyn Petrus van der Merwe – Trustees		
<b>Properties</b>	Portion 0 (Remaining Extent) Of Farm No. 28 (Swavel Kranse) Portion 1 Of Farm No. 29 (Hout Kloof) Portion 2 (Kapoksfontein) Of the Farm De Hoop No. 30 Portion 3 (a portion of Portion1) Of the Farm De Hoop No. 30 Portion 6 Of Farm No. 109 (Klipplaat)		
<b>Contact person:</b>	Mrs K Hoogendijk		
<b>Postal address:</b>	PO Box 1033, Sanlamhof		
<b>Postal code:</b>	7532	<b>Cell:</b>	
<b>Telephone:</b>	021 915 3172	<b>Fax:</b>	021 948 1606
<b>E-mail:</b>	karenho@absa.co.za		

<b>Landowner:</b>	SE van der Merwe Trust		
<b>Properties</b>	Portion 4 (Annex Klipplaat) (a portion of portion 2) of the Farm Klipplaat No 109 Portion 7 (Middelste Rivier) of the Farm Klipplaat No 109		
<b>Contact person:</b>	Fanus van der Merwe		
<b>Postal address:</b>	PO Box 444, Murraysburg		
<b>Postal code:</b>	6995	<b>Cell:</b>	

<b>Telephone:</b>	053 693 0824	<b>Fax:</b>	
<b>E-mail:</b>			

**APPENDIX 5 (IF APPLICABLE)  
LIST OF SGIDS**

SG IDs

C	0	5	2	0	0	0	0	0	0	0	0	0	0	2	6	0	0	0	0	2
C	0	5	2	0	0	0	0	0	0	0	0	0	0	2	6	0	0	0	0	3
C	0	5	2	0	0	0	0	0	0	0	0	0	0	2	6	0	0	0	0	4
C	0	5	2	0	0	0	0	0	0	0	0	0	0	2	6	0	0	0	0	7
C	0	5	2	0	0	0	0	0	0	0	0	0	0	2	6	0	0	0	1	0
C	0	5	2	0	0	0	0	0	0	0	0	0	0	2	7	0	0	0	0	1
C	0	5	2	0	0	0	0	0	0	0	0	0	0	2	8	0	0	0	0	0
C	0	5	2	0	0	0	0	0	0	0	0	0	0	2	8	0	0	0	0	2
C	0	5	2	0	0	0	0	0	0	0	0	0	0	2	9	0	0	0	0	1
C	0	5	2	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0
C	0	5	2	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	1
C	0	5	2	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	2
C	0	5	2	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	3
C	0	5	2	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	4
C	0	5	2	0	0	0	0	0	0	0	0	0	0	3	2	0	0	0	0	2
C	0	5	2	0	0	0	0	0	0	0	0	0	0	3	2	0	0	0	0	7
C	0	5	2	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0
C	0	5	2	0	0	0	0	0	0	0	0	0	0	5	1	0	0	0	0	0
C	0	5	2	0	0	0	0	0	0	0	0	0	0	5	2	0	0	0	0	1
C	0	5	2	0	0	0	0	0	0	0	0	0	1	5	2	0	0	0	0	1
C	0	6	3	0	0	0	0	0	0	0	0	0	1	0	9	0	0	0	0	0
C	0	6	3	0	0	0	0	0	0	0	0	0	1	0	9	0	0	0	0	1
C	0	6	3	0	0	0	0	0	0	0	0	0	1	0	9	0	0	0	0	2
C	0	6	3	0	0	0	0	0	0	0	0	0	1	0	9	0	0	0	0	3
C	0	6	3	0	0	0	0	0	0	0	0	0	1	0	9	0	0	0	0	4
C	0	6	3	0	0	0	0	0	0	0	0	0	1	0	9	0	0	0	0	6
C	0	6	3	0	0	0	0	0	0	0	0	0	1	0	9	0	0	0	0	7
<b>1</b>		<b>2</b>		<b>3</b>									<b>4</b>						<b>5</b>	

**APPENDIX 6  
PROJECT MAP**





Site

Site Boundary Coordinate

ID	Long DD	Lat DD
1	23.77629	-31.7788
2	23.91557	-31.7026
3	23.96721	-31.715
4	23.94695	-31.7743
5	24.02909	-31.7219
6	24.08915	-31.8158
7	24.08511	-31.9436
8	24.01291	-31.993
9	23.90116	-31.9894
10	23.83413	-31.9226
11	23.87837	-31.8334



Scale @ A3  
 1:130,000  
 Produced: LHu  
 Reviewed: VM  
 Approved: JS  
 Ref: 1525/REP/001  
 Date: 13/03/2014

**WEF Site Boundary**  
 Figure 1

**umsInde Emoyeni WEF**

- Site Boundary
- Site Boundary Coordinate
- NFEPA River
- NPAES
- NFEPA Wetlands
- Informal Protected Area
- Formal Protected Area
- Protected Areas NBA
- Heritage Feature
- Ramsar Site

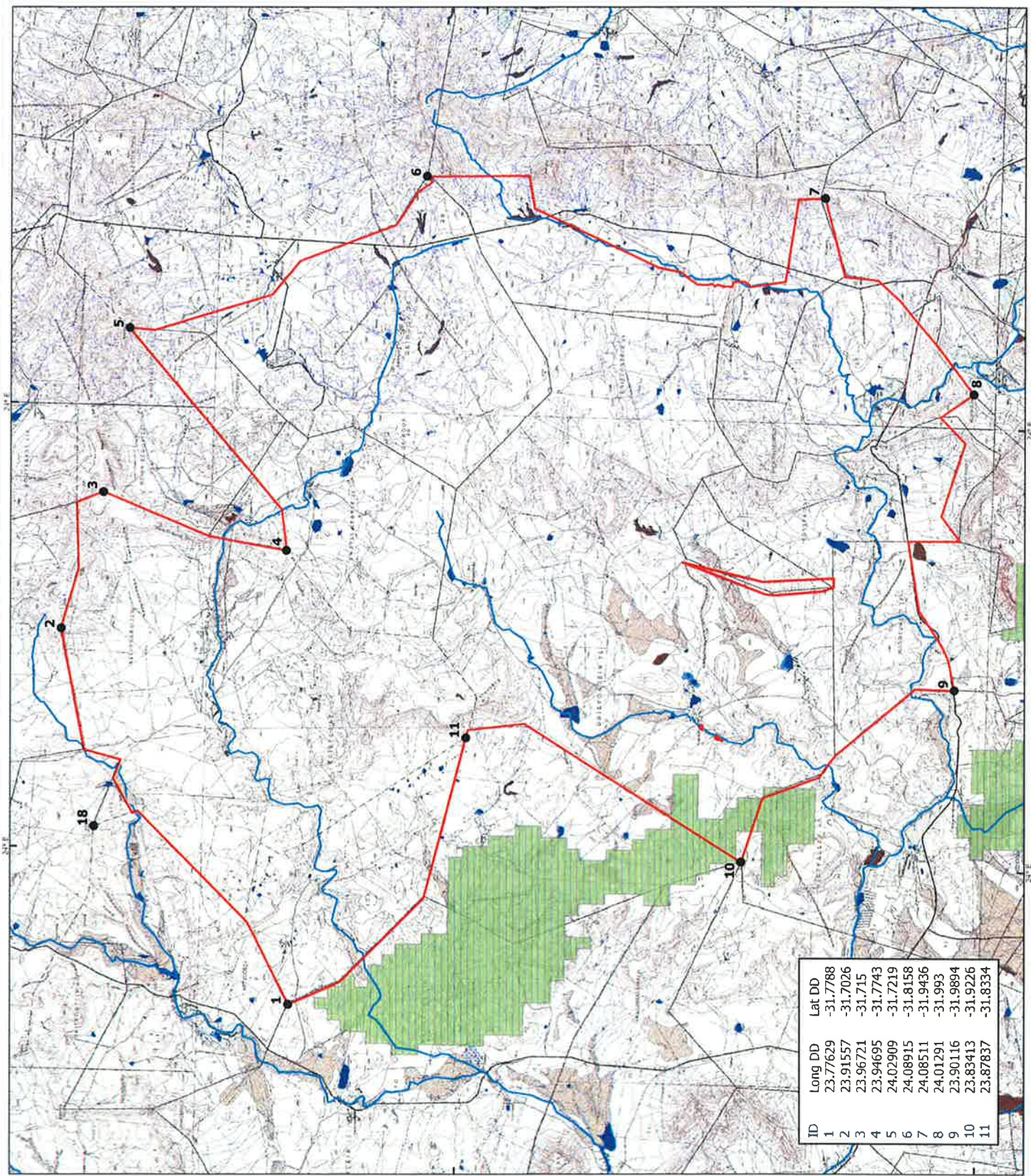
**Ecosystem Status**

- CE
- EN
- VU



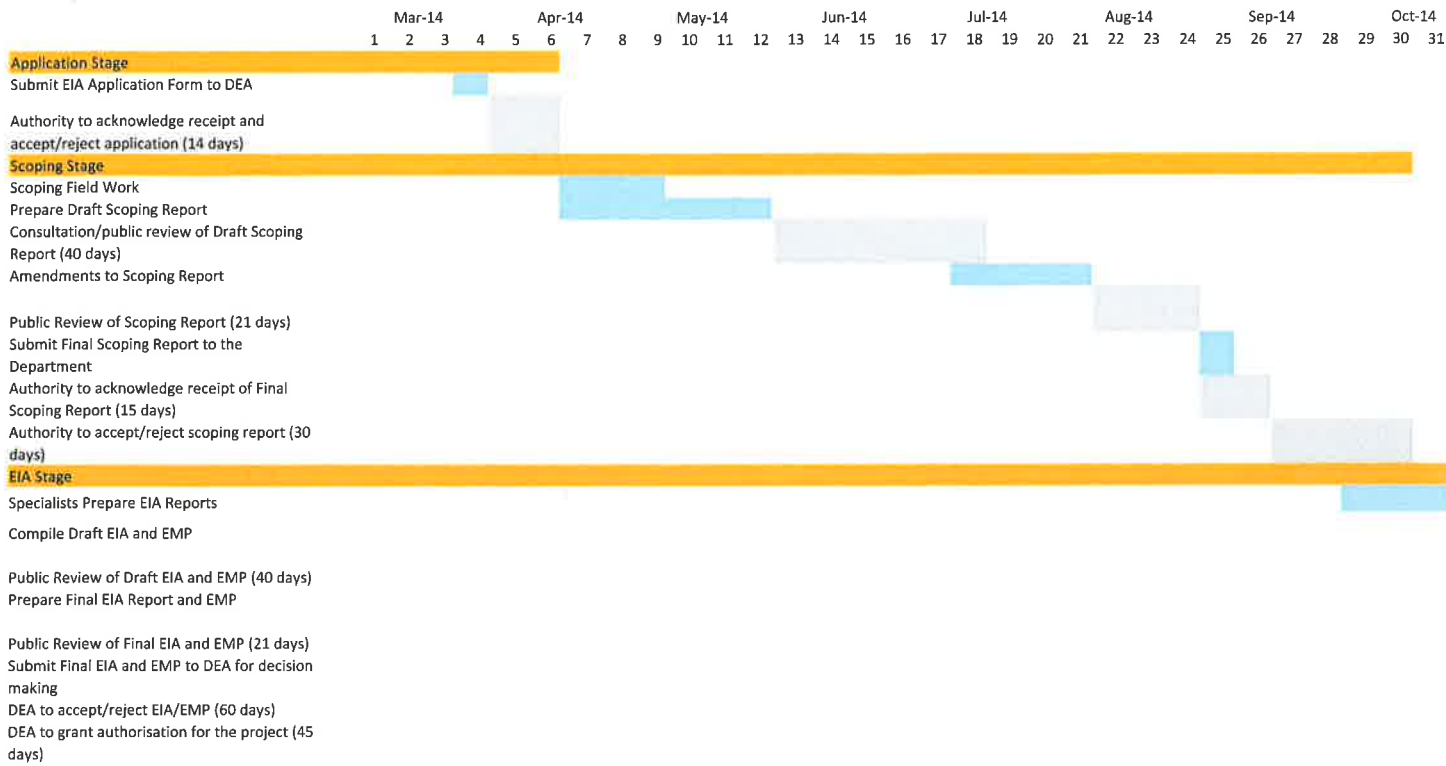
Produced: LHu  
 Reviewed: VM  
 Approved: JS  
 Ref: 1525/REP/003  
 Date: 13/03/2014

**Listing Notice 3 WEF**  
 Figure 2



ID	Long DD	Lat DD
1	23.77629	-31.7788
2	23.91557	-31.7026
3	23.96721	-31.715
4	23.94695	-31.7743
5	24.02909	-31.7219
6	24.08915	-31.8158
7	24.08511	-31.9436
8	24.01291	-31.993
9	23.90116	-31.9894
10	23.83413	-31.9226
11	23.87837	-31.8334

**APPENDIX 7  
PROJECT SCHEDULE**



**APPENDIX 8  
DECLARATION OF THE APPLICANT**

**APPENDIX 8  
DECLARATION OF THE APPLICANT**

I, **Peter Carl Venn** declare that I -

- am, or represent<sup>1</sup>, the applicant in this application;
- have appointed / will appoint (delete that which is not applicable) an environmental assessment practitioner to act as the independent environmental assessment practitioner for this application / will obtain exemption from the requirement to obtain an environmental assessment practitioner<sup>2</sup>;
- will provide the environmental assessment practitioner and the competent authority with access to all information at my disposal that is relevant to the application;
- will be responsible for the costs incurred in complying with the Regulations, including but not limited to –
  - costs incurred in connection with the appointment of the environmental assessment practitioner or any person contracted by the environmental assessment practitioner;
  - costs incurred in respect of the undertaking of any process required in terms of the Regulations;
  - costs in respect of any fee prescribed by the Minister or MEC in respect of the Regulations;
  - costs in respect of specialist reviews, if the competent authority decides to recover costs; and
  - the provision of security to ensure compliance with conditions attached to an environmental authorisation, should it be required by the competent authority;
- will ensure that the environmental assessment practitioner is competent to comply with the requirements of the Regulations and will take reasonable steps to verify that the EAP
  - know the Act and the regulations, and how they apply to the proposed development
  - know any applicable guidelines
  - perform the work objectively, even if the findings do not favour the applicant
  - disclose all information which is important to the application and the proposed development
  - have expertise in conducting environmental impact assessments
  - complies with the Regulations
- will inform all registered interested and affected parties of any suspension of the application as well as of any decisions taken by the competent authority in this regard;
- am responsible for complying with the conditions of any environmental authorisation issued by the competent authority;
- hereby indemnify the Government of the Republic, the competent authority and all its officers, agents and employees, from any liability arising out of the content of any report, any procedure or any action which the applicant or environmental assessment practitioner is responsible for in terms of these Regulations;
- will not hold the competent authority responsible for any costs that may be incurred by the applicant in proceeding with an activity prior to obtaining an environmental authorisation or prior to an appeal being decided in terms of these Regulations;
- will perform all other obligations as expected from an applicant in terms of the Regulations;
- all the particulars furnished by me in this form are true and correct; and
- I realise that a false declaration is an offence in terms of regulation 71 and is punishable in terms of section 24F of the Act.

---

<sup>1</sup> If this is signed on behalf of the applicant, proof of such authority from the applicant must be attached.

<sup>2</sup> If exemption is obtained from appointing an EAP, the responsibilities of an EAP will automatically apply to the person conducting the environmental impact assessment in terms of the Regulations.





Signature<sup>3</sup> of the applicant<sup>4</sup>/ Signature on behalf of the applicant:

*Emoyeni Wind Farm Project (pty) Ltd*

Name of company (if applicable):

*1<sup>st</sup> APRIL 2014*

Date:

<sup>3</sup> Only original signatures will be accepted. No scanned, copied or faxed signatures will be accepted.

<sup>4</sup> If the applicant is a juristic person, a signature on behalf of the applicant is required as well as proof of such authority. An EAP may not sign on behalf of an applicant.

**APPENDIX 9  
DECLARATION OF THE EAP**

I, JENNIFER SLACK declare that –

General declaration:

- I act as the independent environmental practitioner in this application
- 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
- I declare that there are no circumstances that may compromise my objectivity in performing such work;
- I have expertise in conducting environmental impact assessments, including knowledge of the Act, Regulations and any guidelines that have relevance to the proposed activity;
- I will comply with the Act, Regulations and all other applicable legislation;
- I will take into account, to the extent possible, the matters listed in regulation 8 of the Regulations when preparing the application and any report relating to the application;
- I have no, and will not engage in, conflicting interests in the undertaking of the activity;
- 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;
- I will ensure that information containing all relevant facts in respect of the application is distributed or made available to interested and affected parties and the public and that participation by interested and affected parties is facilitated in such a manner that all interested and affected parties will be provided with a reasonable opportunity to participate and to provide comments on documents that are produced to support the application;
- I will ensure that the comments of all interested and affected parties are considered and recorded in reports that are submitted to the competent authority in respect of the application, provided that comments that are made by interested and affected parties in respect of a final report that will be submitted to the competent authority may be attached to the report without further amendment to the report;
- I will keep a register of all interested and affected parties that participated in a public participation process; and
- I will provide the competent authority with access to all information at my disposal regarding the application, whether such information is favourable to the applicant or not
- all the particulars furnished by me in this form are true and correct;
- will perform all other obligations as expected from an environmental assessment practitioner in terms of the Regulations; and
- I realise that a false declaration is an offence in terms of regulation 71 of the Regulations and is punishable in terms of section 24F of the Act.




**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:

~~\_\_\_\_\_~~  
~~\_\_\_\_\_~~  
~~\_\_\_\_\_~~  
~~\_\_\_\_\_~~

  
\_\_\_\_\_  
Signature of the environmental assessment practitioner:

ARCUS CONSULTING LTD  
\_\_\_\_\_  
Name of company:

1<sup>ST</sup> APRIL 2014  
\_\_\_\_\_  
Date:

# CURRICULUM VITAE

*Jennifer Slack*

*Associate Director*

Email: [JenniferS@arcusconsulting.co.za](mailto:JenniferS@arcusconsulting.co.za) Tel: +27 (0) 76 742 8526



ARCUS

## Specialisms

- Environmental Impact Assessment (EIA)
- Project Management
- Environmental Permitting and Consents
- Environmental Auditing for Due Diligence and Compliance
- Environmental Management Systems (EMS)

## Summary of Experience

Jennifer is an Associate Director within the Arcus environment team. She has over 12 years experience in supporting clients in both private and public sector organisations with environmental performance and compliance.

Jennifer has experience in all phases of project development including feasibility and due diligence, consenting and EIA, operational permitting applications and management, legislative compliance and performance monitoring, and EMS's. She has experience in a wide range of sectors including power (thermal and renewable), urban regeneration, chemicals and pharmaceuticals, and heavy industrial. Jennifer's key strengths lie in utilising and adapting her strong project management skills to new types of projects, consenting regimes and markets such as the coordination and submission of the consent application (including EIA) for 1GW Beatrice offshore wind farm, the first application of its type in Scottish territorial waters; and EIA's for new/experimental carbon capture technology for coal plants. She has worked in various geographical locations across the UK, Europe, the Middle East and is currently based in South Africa.

She has completed an MSc in Environmental Impact Assessment and Management and is a qualified Project Manager with the internationally recognised Project Management Institute.

Jennifer is also an experienced, registered environmental auditor who has undertaken audits for due diligence, compliance and EMS purposes. This range of experience has allowed Jennifer to develop techniques which are adaptable to the specific purpose. Projects include a compliance audit of a large industrial complex in the Ukraine and project management and auditing of a multi-site acquisition due diligence for an oil refining and supply company. Jennifer is a senior EMS consultant who throughout her career she has successfully assisted numerous organisations in obtaining and maintaining accreditation to the International Standard ISO14001.

Jennifer has been providing environmental consultancy services in South Africa since September 2012. She has acted as an environmental coordinator for design and EIA inputs into over 10 renewable energy projects.

## Professional History

- 2011 - present** – Arcus Consultancy Services Ltd, UK and South Africa.
- 2005-2011** – Senior Environmental Consultant, URS Corporation Ltd, Manchester, UK
- 2002-2005** – Environmental Consultant, JP EnviroSystems Ltd, Sheffield, UK

## Qualifications and Professional Interests

- **University of Manchester, 2001-2002**  
MA Environmental Impact Assessment and Management
- **University of Sheffield, 1998-2001**  
BSc (Hons) Physical Geography, 2:1
- Member of the Institute of Environmental Management and Assessment (IEMA)
- Accredited IEMA Auditor

## Project Experience

### *Environmental Impact Assessment*

- Environmental Assessment Practitioner (EAP) for the umSinde Emoyeni Wind Energy Facility, Western Cape, South Africa (Windlab (Pty) Ltd);

## CURRICULUM VITAE

- Senior reviewer and environmental coordinator for environmental inputs into the Elliot Wind Energy Facility, Eastern Cape, South Africa (Rainmaker (Pty) Ltd);
- International advisor and environmental coordinator for environmental inputs into the Oyster Bay Wind Energy Facility, Eastern Cape, South Africa (RES South Africa (Pty) Ltd);
- EIA Coordinator for the 1GW, 277 turbine Beatrice Offshore Wind Farm in Scotland, UK, including 70km of offshore and 30km of onshore transmission works, cable and converter station development (SSE Renewables/Repsol Nuevas Energias);
- Environmental Management Plan for a CCGT power station in Peru having regard to the Equator Principles (AEI);
- EIA Coordinator and Project Director of an offshore test turbine site including onshore grid connection and civil engineering infrastructure (Scottish Enterprise/Samsung Heavy Industries);
- Project Manager and Lead Environmental Consultant of a nationwide site search and evaluation project for offshore turbines on behalf of a government development organisation including an evaluation of key environmental and technical constraints such as transportation planning and grid connection options (Scottish Enterprise);
- EIA Coordinator and Project Manager of the Manchester Town Hall Transformation Project incorporating 4 urban regeneration projects (Manchester City Council);
- Coordination and senior review of multi disciplinary environmental planning support to a 73ha residential lead urban masterplan project which included sustainability appraisal, transport planning and local renewable power generation options (SP+ Consortia);
- EIA Coordinator for a turbine test facility for new designs of offshore turbines up to 200m high blade tip requiring an in depth appreciation of the planning regime and new forthcoming designs in the offshore market (SSE Renewables);
- Project Manager and EIA Coordinator for the development of a biomass power station (Gaia Power);
- Project Manager and technical EIA consultant for a 100MW multi-fuel thermal power station. The project was located on the same site as a coal fired power station to which Jennifer provided permitting and consenting advice with regard to the installation of flue gas desulphurisation and a new design of carbon capture technologies (SSE);
- EIA advisor for rail extensions and rail head extension for a large coal fired power station in northern England (SSE).

### *Environmental Management Systems:*

- Development of a company wide ISO14001 accredited EMS for a multi site engineering firm for sites located in UK, Europe and the Middle East (Weir Group);
- Development and implementation of an EMS for a large steel works located in northern England and subsequent internal auditing (Weir Warman);
- Pre-certification EMS Auditing of food and drink manufacturing sites (PepsiCo).

### *Environmental Auditing:*

- Project Management of the compliance auditing and ground investigations for the installation of bio-ethanol storage facilities across 10 oil storage terminals across the UK (BP);
- Co-ordination of multi-site due diligence project across the UK and Europe for the proposed acquisition of an engineering company on behalf of US based client (Confidential);
- Compliance assessment of a multi disciplinary metal processing site in Ukraine on behalf of European Bank of Reconstruction and Development (EBRD).
- Preparation of a permit application and supporting EMS documentation for an aerospace manufacturing sites within the UK (Smiths Aerospace);
- Management and preparation of a permit application for agency of the Ministry of Defence in Scotland.

Environmental Impact Management Services (Pty) Ltd  
Registration Number: 92/05927/07  
P.O.Box 2083, Pinegowrie 2123, South Africa  
5 Hunter Avenue, Randburg 2194  
Tel: (011) 789 7170 Fax: (011) 787 3059



## DOCUMENT DELIVERY

TO

Department of Environmental Affairs

## DESCRIPTION

Project reference #: 0999

Description:

Wind Energy Facility (WEF) Phase 1: Application  
2 X hard copies  
1 X Electronic copy  
(Umsinde Emoyeni EIA project)

## RECEIVED BY

ENVIRONMENTAL AFFAIRS  
INT ENV AUTH  
2014-04-04  
SIGN: Lydia Kuku

Name

Signed

Date

Time

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Registration Number: 92/05927/07  
P.O.Box 2083, Pinegowrie 2123, South Africa  
5 Hunter Avenue, Randburg 2194  
Tel: (011) 789 7170 Fax: (011) 787 3059



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TO

National Department of Environmental Affairs

DESCRIPTION

Project reference #: 0999

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Wind Energy facility (WEF) Phase 2: Application  
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## DOCUMENT DELIVERY

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TO

National Department of Environmental Affairs

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Project reference #: 0999

Description:

Grid Connection Phase 1: Application  
(Umsinde Emoyeni EIA project)

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Name

Signed

Date

Time

Environmental Impact Management Services (Pty) Ltd

Registration Number: 92/05927/07

P.O.Box 2083, Pinegowrie 2123, South Africa

5 Hunter Avenue, Randburg 2194

Tel: (011) 789 7170 Fax: (011) 787 3059



Leaders in Environmental Management

## DOCUMENT DELIVERY

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National Department of Environmental Affairs

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Project reference #: 0999

Description:

Grid Connection Phase 2: Application

Umsinde Emoyeni EIA Project

2 X Hard Copies

1 X Electronic Copy

## RECEIVED BY

ENVIRONMENTAL AFFAIRS INT ENV AUTH  2014-04-04  SIGN: Lydia
--

Name

Signed

Date

Time



## environmental affairs

Department:  
Environmental Affairs  
REPUBLIC OF SOUTH AFRICA

Private Bag X 447 · PRETORIA · 0001 · Fedsure Building · 315 Pretorius Street · PRETORIA  
Tel (+ 27 12) 310 3911 · Fax (+ 2712) 322 2682

**DEA Reference:** 14/12/16/3/3/2/684

**Enquiries:** Mmatlala Rabothata

**Tel:** 012 395 1768 **Fax:** 012 320 7539 **E-mail:** mrabothata@environment.gov.za

Ms Jennifer Slack  
Arcus Renewable Energy Consulting Ltd  
PO Box 6191  
**ROGGEBAAI**  
8012

**Fax:** N/A  
**Tel:** 021 412 1529

### **PER FACSIMILE / MAIL**

Dear Ms Slack

### **ACKNOWLEDGEMENT OF RECEIPT AND ACCEPTANCE OF A NEW APPLICATION FOR ENVIRONMENTAL AUTHORISATION (SCOPING/EIA PROCESS) FOR THE PROPOSED UMSINDE EMOYENI WIND ENERGY FACILITY GRID CONNECTION NEAR MURRAYSBURG WITHIN BEAUFORT WEST AND UBUNTU LOCAL MUNICIPALITY IN WESTERN CAPE PROVINCE AND NORTHERN CAPE PROVINCE: PHASE 1**

The Department confirms having received the application form with proof of payment, list of local municipalities, proof of notification of land owners, list of SGIDs, project map, project schedule, Declaration of applicant and Declaration of EAP for environmental authorisation for the abovementioned project submitted by you on 8 April 2014. You have submitted these documents to comply with the Environmental Impact Assessment Regulations, 2010. The application is accepted.

In addition, please consider the following during compilation of reports for this application for environmental authorisation:

- Please be advised that in terms of the EIA Regulations and NEMA the investigation of alternatives is mandatory. Alternatives must therefore be identified, investigated to determine if they are feasible and reasonable. It is also mandatory to investigate and assess the option of not proceeding with the proposed activity (the "no-go" option).
- A detailed and complete EMPr must be submitted with the EIR. This EMPr must not provide recommendations but must indicate actual remediation activities which will be binding on the applicant. Without this EMPr the documents will be regarded as not meeting the requirements and will be returned to the applicant for correction.
- The applicant/EAP is required to inform this Department in writing upon submission of any draft report, of the contact details of the relevant State Departments (that administer laws relating to a matter affecting the environment) to whom copies of the draft report were submitted for comment. Upon receipt of this confirmation, this Department will in accordance with Section 24O(2) & (3) of the National Environmental Management Act, 1998 (Act 107 of 1998) inform the relevant State Departments of the commencement date of the 40 day commenting period, or 60 days in the case of the Department of Water Affairs for waste management activities which also require a licence in terms of the National Water Act, 1998 (Act 36 of 1998).



- Should it be necessary to apply for a permit in terms of the National Heritage Resources Act, 1999 (Act 25 of 1999), please submit the necessary application to SAHRA or the relevant provincial heritage agency and submit proof thereof with the Environmental Impact Assessment Report. The relevant heritage agency should also be involved during the public participation process and have the opportunity to comment on all the reports to be submitted to this Department.

You are requested to submit two (2) electronic copies (the main report must be separated from the Appendices (each appendix saved separately) (CD/DVD) and two (2) hard copies of both the Draft and Final Report to the Department. The hard copies must be double-sided printed; double-punched and must be bound using a lever arch file (two or four holes).

The EAP must, in order to give effect to regulation 56 (2), before submitting the Environmental Impact Assessment Report to the Department give registered interested and affected parties access to, and an opportunity to comment on the report in writing.

In terms of regulation 67 of the EIA Regulations, 2010 this application will lapse if the applicant (or the EAP on behalf of the applicant) fails to comply with a requirement in terms of the Regulations for a period of six months after having submitted the application, unless the reasons for failure have been communicated to and accepted by this Department

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 Ishaam Abader

**Deputy Director-General: Legal, Authorisations, Compliance and Enforcement**

**Department of Environmental Affairs:**

**Letter signed by: Ms Mmatlala Rabothata**

**Designation: Environmental Officer: Integrated Environmental Authorisations**

**Date: 16/04/2014**

CC:	Mr Peter Venn	Emoyeni Wind Farm Project (EWFP)	Fax: 021 702 4053
	Mr Kobus Munro	WC Department of Environmental Affairs and Development Planning	Fax: 021 874 2423
	Ms Dineo Moleko	NC Department of Environmental Affairs and Nature Conservation	Fax: 053 831 3530
	Mr Jafta Booysen	Beaufort West Local Municipality	Fax: 023 415 1373
	Mr Martin Fillis	Ubuntu Local Municipality	Fax: 053 621 0368



## environmental affairs

Department:  
Environmental Affairs  
REPUBLIC OF SOUTH AFRICA

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Tel (+ 27 12) 310 3911 · Fax (+ 2712) 322 2682

**DEA Reference:** 14/12/16/3/3/2/685

**Enquiries:** Mmatlala Rabothata

**Tel:** 012 395 1768 **Fax:** 012 320 7539 **E-mail:** mrabothata@environment.gov.za

Ms Jennifer Slack  
Arcus Renewable Energy Consulting Ltd  
PO Box 6191  
**ROGGEBAAI**  
8012

**Fax:** N/A  
**Tel:** 021 412 1529

### **PER FACSIMILE / MAIL**

Dear Ms Slack

### **ACKNOWLEDGEMENT OF RECEIPT AND ACCEPTANCE OF A NEW APPLICATION FOR ENVIRONMENTAL AUTHORISATION (SCOPING/EIA PROCESS) FOR THE PROPOSED UMSINDE EMOYENI WIND ENERGY FACILITY GRID CONNECTION NEAR MURRAYSBURG WITHIN BEAUFORT WEST AND UBUNTU LOCAL MUNICIPALITY IN WESTERN CAPE PROVINCE AND NORTHERN CAPE PROVINCE: PHASE 2**

The Department confirms having received the application form with proof of payment, list of local municipalities, proof of notification of land owners, list of SGIDs, project map, project schedule, Declaration of applicant and Declaration of EAP for environmental authorisation for the abovementioned project submitted by you on 8 April 2014. You have submitted these documents to comply with the Environmental Impact Assessment Regulations, 2010. The application is accepted.

In addition, please consider the following during compilation of reports for this application for environmental authorisation:

- Please be advised that in terms of the EIA Regulations and NEMA the investigation of alternatives is mandatory. Alternatives must therefore be identified, investigated to determine if they are feasible and reasonable. It is also mandatory to investigate and assess the option of not proceeding with the proposed activity (the "no-go" option).
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- Should it be necessary to apply for a permit in terms of the National Heritage Resources Act, 1999 (Act 25 of 1999), please submit the necessary application to SAHRA or the relevant provincial heritage agency and submit proof thereof with the Environmental Impact Assessment Report. The relevant heritage agency should also be involved during the public participation process and have the opportunity to comment on all the reports to be submitted to this Department.

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In terms of regulation 67 of the EIA Regulations, 2010 this application will lapse if the applicant (or the EAP on behalf of the applicant) fails to comply with a requirement in terms of the Regulations for a period of six months after having submitted the application, unless the reasons for failure have been communicated to and accepted by this Department

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 Ishaam Abader

**Deputy Director-General: Legal, Authorisations, Compliance and Enforcement**

**Department of Environmental Affairs:**

**Letter signed by: Ms Mmatlala Rabothata**

**Designation: Environmental Officer: Integrated Environmental Authorisations**

**Date: 16 July 2014**

CC:	Mr Peter Venn	Emoyeni Wind Farm Project (EWFP)	Fax: 021 702 4053
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## environmental affairs

Department:  
Environmental Affairs  
REPUBLIC OF SOUTH AFRICA

Private Bag X 447 · PRETORIA · 0001 · Fedsure Building · 315 Pretorius Street · PRETORIA  
Tel (+ 27 12) 310 3911 · Fax (+ 2712) 322 2682

**DEA Reference:** 14/12/16/3/3/2/686

**Enquiries:** Mmatlala Rabothata

**Tel:** 012 395 1768 **Fax:** 012 320 7539 **E-mail:** mrabothata@environment.gov.za

Ms Jennifer Slack  
Arcus Renewable Energy Consulting Ltd  
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**ROGGEBAAI**  
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- In the reports to be submitted it must clearly be demonstrated in which way the proposed development will meet the requirements of sustainable development. You must also consider energy efficient technologies and water saving devices and technologies for the

proposed development. This could include measures such as the recycling of waste, the use of low voltage or compact fluorescent lights instead of incandescent globes, maximising the use of solar heating, the use of dual flush toilets and low-flow shower heads and taps, the management of storm water, the capture and use of rainwater from gutters and roofs, the use of locally indigenous vegetation during landscaping and the training of staff to implement good housekeeping techniques.

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- An open space management plan to be implemented during the construction and operation of the facility.
- A re-vegetation and habitat rehabilitation plan to be implemented during the construction and operation of the facility including timeframes for restoration which must indicate rehabilitation within the shortest possible time 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.
- 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.
- 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.

- 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.
- 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.
- 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.
- An environmental sensitivity map indicating environmental sensitive areas and features identified during the EIA process.
- 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.

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**Letter signed by: Ms Mmatlala Rabothata**

**Designation: Environmental Officer: Integrated Environmental Authorisations**

**Date: 16/04/2014**

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## **A. EIA INFORMATION REQUIRED FOR WIND FARM APPLICATIONS**

### **1. General site information**

The following general site information is required:

- Descriptions of all affected farm portions
- 21 digit Surveyor General codes of all affected farm portions
- Copies of deeds of all affected farm portions
- Photos of areas that give a visual perspective of all parts of the site
- Photographs from sensitive visual receptors (tourism routes, tourism facilities, etc.)
- Turbine design specifications including:
  - Nacelle height
  - Blade length
  - Turbine shaft dimensions
  - Foundation dimensions
  - Laydown area dimensions (construction period and thereafter)
  - Blade rotation direction
  - Generation capacity
- Onsite measured wind parameters (speed, variability, etc.)
- Generation capacity of the facility as a whole at delivery points

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

### **2. Site maps and GIS information**

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

- All maps/information layers must also be provided in ESRI Shapefile format
- All affected farm portions must be indicated
- The exact site of the application must be indicated (the areas that will be occupied by the application)
- A status quo map/layer must be provided that includes the following:
  - Current use of land on the site including:
    - Buildings and other structures
    - Agricultural fields
    - Grazing areas
    - Natural vegetation areas (natural veld not cultivated for the preceding 10 years) with an indication of the vegetation quality as well as fine scale



mapping in respect of Critical Biodiversity Areas and Ecological Support Areas

- Critically endangered and endangered vegetation areas that occur on the site
- Bare areas which may be susceptible to soil erosion
- Cultural historical sites and elements
- Rivers, streams and water courses
- Ridgelines and 20m continuous contours with height references in the GIS database
- Fountains, boreholes, dams (in-stream as well as off-stream) and reservoirs
- High potential agricultural areas as defined by the Department of Agriculture, Forestry and Fisheries
- Buffer zones (also where it is dictated by elements outside the site):
  - 500m from any irrigated agricultural land
  - 1km from residential areas
- Indicate isolated residential, tourism facilities on or within 1km of the site
- A slope analysis map/layer that include the following slope ranges:
  - Less than 8% slope (preferred areas for turbines and infrastructure)
  - between 8% and 12% slope (potentially sensitive to turbines and infrastructure)
  - between 12% and 14% slope (highly sensitive to turbines and infrastructure)
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- A map/layer that indicate locations of birds and bats including roosting and foraging areas (specialist input required)
- A site development proposal map(s)/layer(s) that indicate:
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  - Internal roads indicating width (construction period width and operation period width) and with numbered sections between the other site elements which they serve (to make commenting on sections possible)
  - River, stream and water crossing of roads and cables indicating the type of bridging structures that will be used
  - Substation(s) and/or transformer(s) sites including their entire footprint.
  - Cable routes and trench dimensions (where they are not along internal roads)

- Connection routes to the distribution/transmission network (the connection must form part of the EIA even if the construction and maintenance thereof will be done by another entity such as ESKOM)
- Cut and fill areas at turbine sites along roads and at substation/transformer sites indicating the expected volume of each cut and fill
- Borrow pits
- Spoil heaps (temporary for topsoil and subsoil and permanently for excess material)
- Buildings including accommodation

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

### **3. Regional map and GIS information**

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

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

#### **4. Important stakeholders**

Amongst other important stakeholders, comments from the National Department of Agriculture, Forestry and Fisheries must be obtained and submitted to the Department.

Request for comment must be submitted to:

Mrs. Anneliza Collett

Directorate: Land Use & Soil Management

Department of Agriculture, Forestry & Fisheries

Tel: 012 - 319 7508

Fax: 012 - 329 5938

e-mail: AnnelizaC@nda.agric.za

www.agis.agric.za

In addition, comments must be requested from Eskom (Mr Kevin Leask or Mr Ronald Marais (011) 8008111) regarding grid connectivity and capacity.

#### **B. AGRICULTURE STUDY REQUIREMENTS**

- Detailed soil assessment of the site in question, incorporating a radius of 50 m surrounding the site, on a scale of 1:10 000 or finer. The soil assessment should include the following:
  - Identification of the soil forms present on site
  - The size of the area where a particular soil form is found
  - GPS readings of soil survey points
  - The depth of the soil at each survey point
  - Soil colour
  - Limiting factors
  - Clay content
  - Slope of the site
  - A detailed map indicating the locality of the soil forms within the specified area,
  - Size of the site
- Exact locality of the site
- Current activities on the site, developments, buildings
- Surrounding developments / land uses and activities in a radius of 500 m of the site

- Access routes and the condition thereof
- Current status of the land (including erosion, vegetation and a degradation assessment)
- Possible land use options for the site
- Water availability, source and quality (if available)
- Detailed descriptions of why agriculture should or should not be the land use of choice
- Impact of the change of land use on the surrounding area
- A shape file containing the soil forms and relevant attribute data as depicted on the map



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

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

#### **4. Important stakeholders**

Amongst other important stakeholders, comments from the National Department of Agriculture, Forestry and Fisheries must be obtained and submitted to the Department. Request for comment must be submitted to:

Mrs. Anneliza Collett  
Directorate: Land Use & Soil Management  
Department of Agriculture, Forestry & Fisheries  
Tel: 012 - 319 7508  
Fax: 012 - 329 5938  
e-mail: AnnelizaC@nda.agric.za  
www.agis.agric.za

In addition, comments must be requested from Eskom (Mr Kevin Leask or Mr Ronald Marais (011) 8008111) regarding grid connectivity and capacity.

#### **B. AGRICULTURE STUDY REQUIREMENTS**

- Detailed soil assessment of the site in question, incorporating a radius of 50 m surrounding the site, on a scale of 1:10 000 or finer. The soil assessment should include the following:
  - Identification of the soil forms present on site
  - The size of the area where a particular soil form is found
  - GPS readings of soil survey points
  - The depth of the soil at each survey point
  - Soil colour
  - Limiting factors
  - Clay content
  - Slope of the site
  - A detailed map indicating the locality of the soil forms within the specified area,
  - Size of the site
- Exact locality of the site
- Current activities on the site, developments, buildings
- Surrounding developments / land uses and activities in a radius of 500 m of the site

- Access routes and the condition thereof
- Current status of the land (including erosion, vegetation and a degradation assessment)
- Possible land use options for the site
- Water availability, source and quality (if available)
- Detailed descriptions of why agriculture should or should not be the land use of choice
- Impact of the change of land use on the surrounding area
- A shape file containing the soil forms and relevant attribute data as depicted on the map