## **APPENDIX E**

### PUBLIC PARTICIPATION

Appendix E1 | Landowner Agreement(s)

Appendix E2 | Written Notification

Appendix E3 | Proof of Delivery

Appendix E4 | Comments and Responses

# Kokerboom 1 Wind Energy Facility Public Participation Report

DEA Reference:14/12/16/3/3/2/985



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#### List of Appendixes

Appendix E1   Landowner Agreement(s)	
Appendix E2   Written Notification	

- Appendix E3 | Proof of Delivery
- Appendix E4 | Comments and Responses

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#### 1 INTRODUCTION

The Kokerboom 1 Wind Energy Facility (WEF) is located near Loeriesfontein in the Hantam Local Municipality of the Northern Cape. A number of amendments have been proposed to the project scope (as detailed in the Amendment Report) and requires a Part 2 EA amendment process<sup>1</sup> to be undertaken, including a 30-day public participation process (PPP)<sup>2</sup>. The aim of the PPP is to inform all potential and registered Interested and Affected Parties (I&APs) of the proposed amendments to the EA and any associated changes in the assessed impacts. It also allows the Competent Authority, the Department of Environmental Affairs (DEA), to make an informed decision based on a transparent and meaningful process.

This PPP must be undertaken in accordance with regulations 39 - 44 of the Environmental Impact Assessment (EIA) Regulations (Government Notice Regulation 982 of 4 December 2014, as amended). Additional guidance has also been incorporated from the Western Cape<sup>3</sup> Department of Environmental Affairs and Development Planning (DEA&DP) Guideline Document on Public Participation (March 2013).

This Public Participation Report (PPR) has therefore been compiled to collectively represent the consultation process that has been undertaken through the PPP. The following sections include:

- Section 2 A database of I&APs was created and maintained during the original EIA phase. All registered I&APs were requested (via email) to confirm and/or update their contact details. In instances where email addresses where not available, phone calls were made to the applicable I&AP. The database will continue to be updated and maintained throughout the amendment process.
- Section 3 The PPP undertaken to date is described in this section. Proof of advertisements, site notices and deliveries are available in Appendix E3.
- Section 4 Comments received during the PPP and responses provided are summarised into a table in this section. All original comments and responses are included in Appendix E4.
- Section 5 The way forward is described in this section.

#### **I&AP DATABASE** 2

Table 1 on the following page provides a summary of the I&AP database for the Kokerboom 1 WEF. Please note that contact details have been omitted for privacy reasons.

Stakeholder	Contact	Organisation
Registered I&	APs	
State	S Muobeleni	Department of Agriculture, Forestry and Fisheries
authority - national	M Marubini	Department of Agriculture, Forestry and Fisheries: Delegate of the Minister (Act 70 of 1970)
	T Buthelezi	Department of Agriculture, Forestry and Fisheries: AgriLand Liaison Office (case reference 2016_10_0192)
	T Sangweni	Department of Environmental Affairs: IEM case officer (DEA ref: 14/12/16/3/3/2/985)

Table 1: I&AP Database

<sup>&</sup>lt;sup>1</sup> In terms of the amended Environmental Impact Assessment (EIA) Regulations of 2014 of the National Environmental Management Act (Act 107 of 1998) (NEMA), as amended.

In terms of Regulation 32 of the EIA Regulations (GN R982).

<sup>&</sup>lt;sup>3</sup> These guidelines have been considered as best practice even though the project may be located outside of the province.

Stakeholder	Contact	Organisation
	W Lutsch	Department of Environmental Affairs: Biodiversity
		Conservation
	A August	Department of Health
	L Njemla	Department of Mineral Resources
	Z Kapika	National Energy Regulator of South Africa
	N Higgit	South African Heritage Resources Agency
	R de Kock	South African National Roads Agency
	J Geeringh	Eskom Transmission
	W Mulaudzi	Eskom Distribution
State authority -	T Makaudi	Department of Environmental Affairs and Nature Conservation
provincial	O Ndzumo	Department of Environmental Affairs and Nature Conservation (case officer: NC/DRF/SOI/NAM/SPRI/2016)
	T Lentswe	Department of Energy
	L Terblanche	Department of Agriculture, Land Reform and Rural Development
	RC Barlow	Department of Transport
	S Manamathela	Department of Water and Sanitation
	A Timothy	Northern Cape Provincial Heritage Agency (Boswa ya Kapa Bokone)
Municipality	C Fortuin	Namakwa District Municipality
	O Isaacs	Khai-Ma Local Municipality
	J Swartz	Hantam Local Municipality
	R van Wyk	Hantam Local Municipality
	S Felix	Hantam Local Municipality
	G Opperman	Ward Councillor (Ward 5), Hantam Local Municipality
	D Ockhuys	Ward 5 Committee Member
	F Farao	Ward 5 Committee Member
Landowner	D van der Westhuizen	GA van der Westhuizen Family Trust, Springbokpan 1164
	H van der Westhuizen	Van der Westhuizen Family Trust, Springbok Tand, RE/215
Adjacent	Rona Rupert Trust	Sous Farm, RE/226
landowners	A Louw	Hartebeest Leegte, 2/216 & Gras Koppies, 2/176
	H van Heerden	Leeubergrivier, RE/1163 and Leeuwebergriver, 225
	K Nel	Gras Koppies, 1/176
	Rona Rupert Trust	Sous Farm, RE/226
Кеу	S Ralston	BirdlifeSA
stakeholders	K MacEwan	South African Bat Assessment Association (SABAA)
	A Tiplady and T Monama	Square Kilometre Array (SKA)
	P Mckuchsne	Northern Cape Tourism Authority
	P Dowling	Wildlife and Environment Society of South Africa (WESSA)

L Leeuwner         Endangered Wildlife Trust (EWT) – Wildlife Energy Programme           J Coetzee         World Wildlife Fund (WWF)           L Stroh         Civil Aviation Authority           R Jardine         Weather SA           S Motihake         SENTECH           K Browne         South African Large Telescope (SALT)           R Sefaku         South African Astronomical Observatory (SAAO)           L van Wyk         Transnet           Interested         M van Rooy           Parties         E Marais, M Grimbeek and R Thomas           J Thorogood*         Mainstream Renewable Power and R Thomas           J Thorogood*         Mainstream: General Manager of Loeriesfontein and Khebab Wind Farms           B Lintvelt         Lintvelt Familie Trust           K de Bruyn, V Fyfe         G7 Renewable Energies           S Jacobs         SiVEST           Pob seekers*         Loeriesfontein resident           J Souw         Loeriesfontein resident           C Beukes         Loeriesfontein resident           F van Schalkwyk         Loeriesfontein resident           V Waterboer         Loeriesfontein resident           L Vaterboer         Loeriesfontein resident           J Stout         Loeriesfontein resident           K de Mathys	Ctokoholdor	Contract	Organization
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E SwartsLoeriesfontein residentS PretoriusLoeriesfontein residentD GouwsLoeriesfontein residentA MoutonLoeriesfontein resident		M Swarts	Loeriesfontein resident
S PretoriusLoeriesfontein residentD GouwsLoeriesfontein residentA MoutonLoeriesfontein resident		K Spaneberg	Loeriesfontein resident
D Gouws     Loeriesfontein resident       A Mouton     Loeriesfontein resident		E Swarts	Loeriesfontein resident
A Mouton Loeriesfontein resident		S Pretorius	Loeriesfontein resident
		D Gouws	Loeriesfontein resident
		A Mouton	Loeriesfontein resident
E Januarie Loeriesfontein resident		E Januarie	Loeriesfontein resident

<sup>&</sup>lt;sup>4</sup> <u>Mr Thorogood has left the employment of Mainstream. His new contact information was not available.</u> <sup>5</sup> During a public meeting in 2017 (undertaken for the original EIA process), the ward councillor, Mr Ockhuys, brought the listed people with him to register for potential job opportunities. Subsequent telephonic communication with a large number of the job seekers regarding the proposed amendments, indicated that they remain interested being informed about future job opportunities and do not have any comments to submit on the proposed amendments.

Stakeholder	Contact	Organisation
	N Ryk	Loeriesfontein resident
	L Swarts	Loeriesfontein resident
	K van Schalkwyk	Loeriesfontein resident
	E Klaasen	Loeriesfontein resident
	A Basson	Loeriesfontein resident
	R Dreyer	Loeriesfontein resident
	M Ockhuis	Loeriesfontein resident
	V van Wyk	Loeriesfontein resident
	J Scheepers	Loeriesfontein resident
	Z Steenkamp	Loeriesfontein resident
	M Hugo	Loeriesfontein resident
	S van der Merwe	Loeriesfontein resident
	K Swarts	Loeriesfontein resident
	l Nel	Loeriesfontein resident

### **B** AMENDMENT PHASE CONSULTATION

Prior to the circulation of the Draft Amendment Report and submission of the amendment application form to DEA, the following measures were undertaken to ensure that the legislated 30-day public comment period will reach the relevant parties.

#### 3.1 Advertisements

An advertisement, in both English and Afrikaans, was placed in Die Burger on 06 March 2019. The English text is available in Figure 1 to ensure legibility. Proof of the page on which the advertisement in *Die Burger* was published is included in Figure 2. Please note that the original page size is A2, and the advertisement is therefore clearly legible.

#### KOKERBOOM 1 AND KOKERBOOM 2 WIND ENERGY FACILITIES NEAR LOERIESFONTEIN, HANTAM LOCAL MUNICIPALITY, NORTHERN-CAPE

DEA Ref: 14/12/16/3/3/2/985 (Kokerboom 1)

DEA Ref: 14/12/16/3/3/2/986 (Kokerboom 2)

#### Application for Amendment of Environmental Authorisation

Applications have been submitted to the Department of Environmental Affairs to amend the Environmental Authorizations that were granted by the Department on 29 November 2017 to both projects. This is the second application for amendment, and includes the following:

- Improved wind turbine technology (increased hub height, rotor diameter and rated power of the turbines); and
- An optimized layout to accommodate the revised turbine specifications.

The proposed amendments listed above is considered a substantive amendment (Part 2 amendment) by the Department in terms of Regulation 31 and 32 of the Environmental Impact Assessment (EIA) Regulation (GN R982 as amended) of the National Environmental Management Act (Act 107 of 1998) as amended. Amendment Reports have been compiled for both projects and are available for public review as indicated below. The Amendment Reports provide a description of the proposed amendments; the changes to the impact assessment ratings originally authorised in 2017; additional mitigation measures to be considered; and subsequently any advantages and disadvantages associated with the proposed amendments.

The Amendment Reports are accessible to the public at the following locations for a period of 30 days, from 6 March until 8 April 2019:

- Loeriesfontein Public Library (Main street, Loeriesfontein);
- Aurecon's website: <u>http://aurecongroup.com/en/public-participation.aspx; and</u>
- Dropbox: (https://www.dropbox.com/sh/s1c4yydv8ao7s49/AAAN1QxCzf0TCs bzcOKRP cQka?dl=0).

For further information on accessing the projects, or to submit a comment on the projects, please contact Ms Pearl Rakeepile (Tel: 021 526 6044 / Email: <u>pearl.rakeepile@aurecongroup.com</u>) or Ms Franci Gresse (Tel: 021 526 6022 / Email: <u>franci.gresse@aurecongroup.com</u>) of Aurecon by **8 April 2019**.



Figure 1: Copy of the advertisement text that was placed in Die Burger

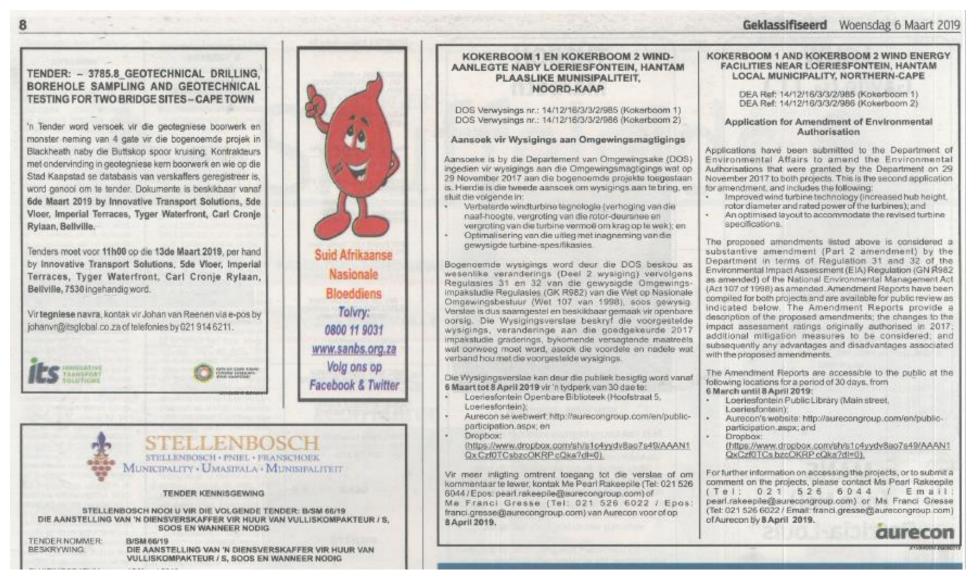


Figure 2: Copy of advert in Die Burger on 06 March 2019 (Afrikaans and English)

#### 3.2 Site notices

Site notices in English and Afrikaans were fixed at three locations on the Nuwepos Road towards the Kokerboom 1 Wind Farm, as well as the library and municipal offices in Loeriesfontein. The English text of the site notice is included in Figure 3 below. Proof of placement of the site notices is available in Section 3.2.1. The combined English and Afrikaans notice was of a size and content required by the relevant Guidelines.

#### APPLICATION FOR AMENDMENT OF THE ENVIRONMENTAL AUTHORISATION FOR THE KOKERBOOM 1 AND KOKERBOOM 2 WIND ENERGY FACILITIES

DEA Ref: 14/12/16/3/3/2/985 (Kokerboom 1) & 14/12/16/3/3/2/986 (Kokerboom 2)

**Description:** Business Venture Investments No 1788 (Pty) Ltd (the applicant), received Environmental Authorization (EA) on 29 November 2017 in terms of the National Environmental Management Act (Act 107 of 1998) (NEMA), as amended, for the development of two wind energy facilities (WEFs) and associated infrastructure, namely Kokerboom 1 and Kokerboom 2. The applicant is proposing to amend the EAs for the Kokerboom 1 and Kokerboom 2 WEFs to allow for:

- Improved wind turbine technology (increased hub height, rotor diameter and rated power of the turbines); and
- An optimised layout to accommodate the revised turbine specifications.

**Location:** Both the Kokerboom 1 and Kokerboom 2 WEFs are located near Loeriesfontein within the Hantam Local Municipality, which falls under the jurisdiction of the Namakwa District Municipality in the Western Cape Province. The properties involved are shown in the table below.

Kokerboom 1:	Kokerboom 2:
Farm Leeuwbergrivier (Farm no. 1163) and the Remainder of Farm Kleine Rooiberg (Farm 227)	Farm Springbokpan, Farm No. 1164 and the Remainder of Springbok Tand (Farm 215)

The proposed amendments would result in a change to the scope of the Kokerboom 1 and Kokerboom 2 EAs and thus requires a Part 2 amendment process to be undertaken as described in Sections 31 and 32 of Government Notice Regulation 982 (GN R982, as amended) of NEMA.

Aurecon South Africa (Pty) Ltd (Aurecon) has been appointed by Business Venture Investments No 1788 (Pty) Ltd to undertake the above-mentioned amendment process.

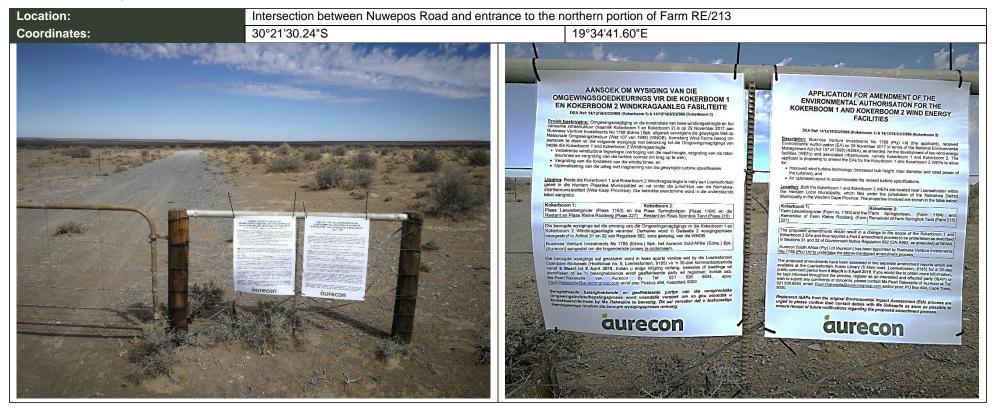
The proposed amendments have been assessed in two separate amendment reports which are available at the Loeriesfontein Public Library (5 Main road, Loeriesfontein, 8185) for a 30-day public comment period from 6 March to 8 April 2019. If you would like to obtain more information, be kept informed throughout the process, register as an interested and affected party (I&AP) or wish to submit any comments or concerns, please contact Ms Pearl Rakeepile of Aurecon at Tel: 021 526 6044, email: Pearl.Rakeepile@aurecongroup.com and/or post: PO Box 494, Cape Town, 8000.

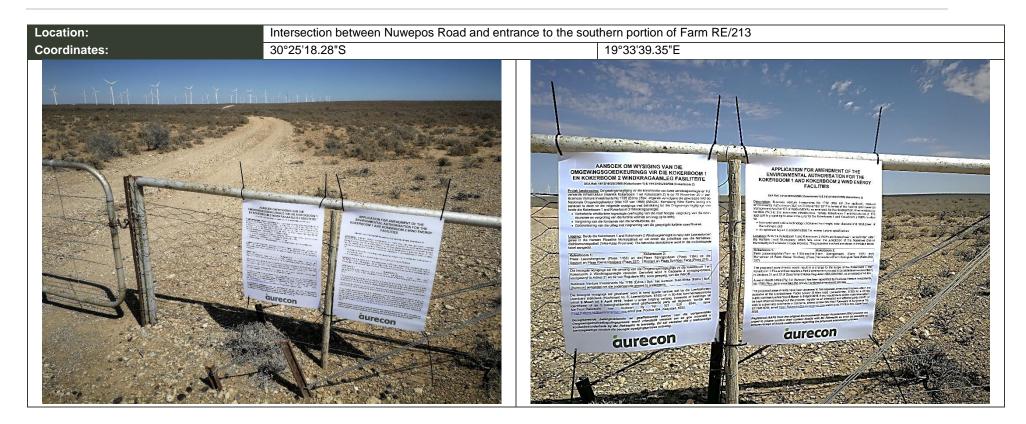
Registered I&APs from the original Environmental Impact Assessment (EIA) process are urged to please confirm their contact details with Ms Rakeepile as soon as possible to ensure receipt of future notifications regarding the proposed amendment process.

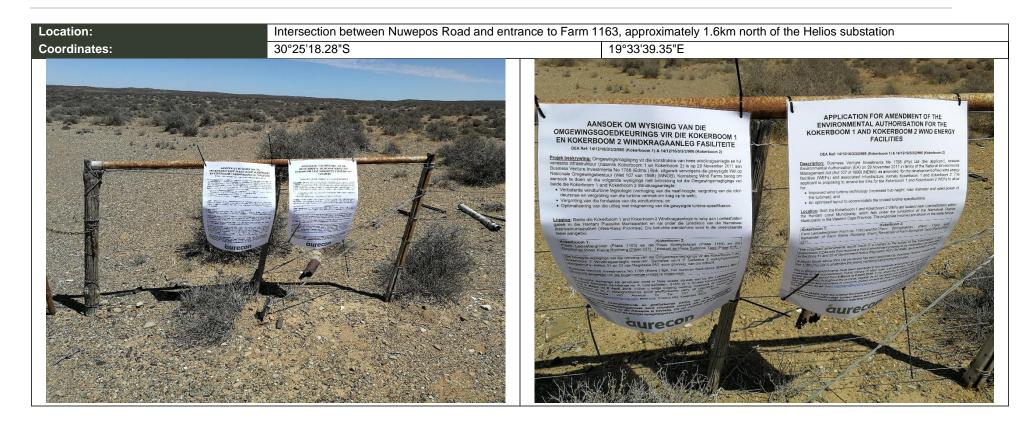


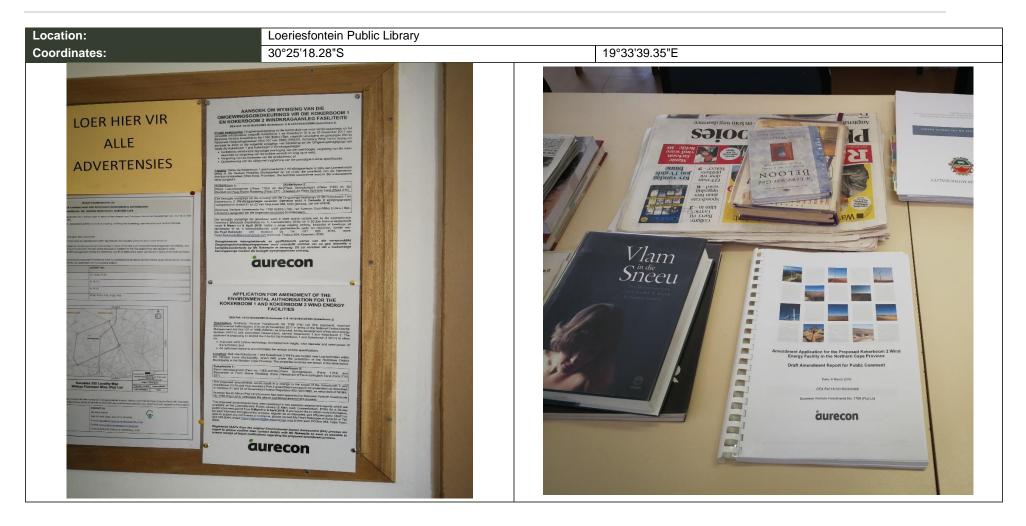
Figure 3: English site notice content

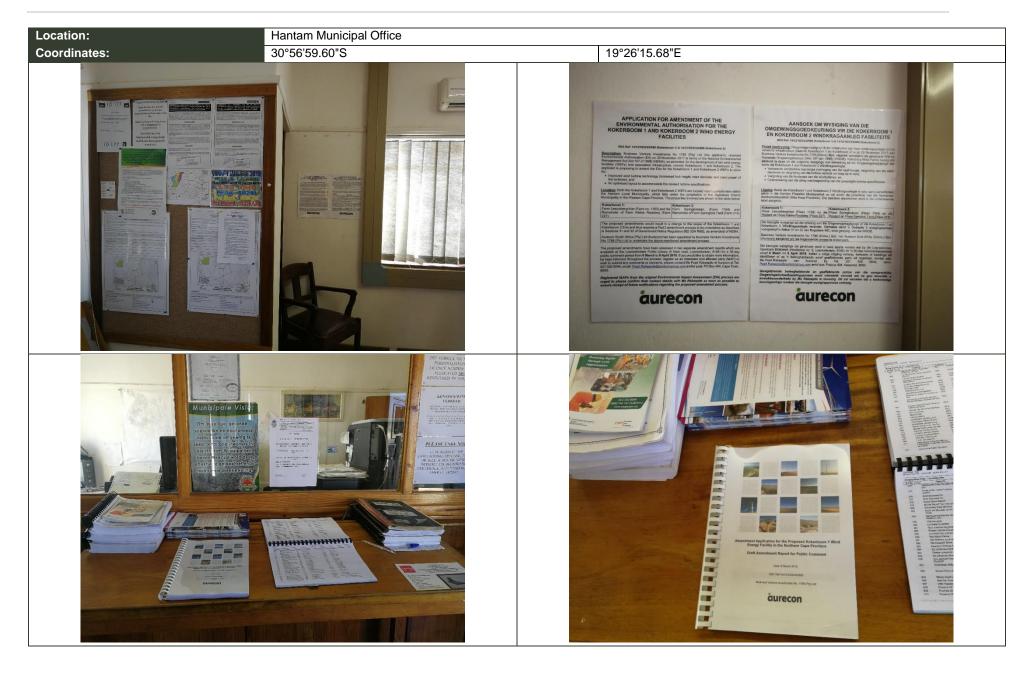
#### 3.2.1 Proof of placement











#### 4 PUBLIC PARTICIPATION AMENDMENT PHASE CONSULTATION

The Draft Amendment Report was made available for a 30-day public comment period from 6 March 2019 to 8 April 2019. Registered I&APs identified in the original EIA phase and Amendment phase were notified of this comment period. by email. The written notification provided to the I&APs is included in Appendix E2.

Hard and electronic copies (on CD) were made available to selected organs of state and municipalities based on their internal requirements. Copies of the report were made available to I&APs as follow:

- Electronic:
  - Dropbox (https://www.dropbox.com/sh/s1c4yydv8ao7s49/AAAN1QxCzf0TCsbzcOKRPcQka?dl=0);
  - Aurecon's website (<u>http://www.aurecongroup.com/en/public-participation.aspx</u>)
- Hard copies:
  - Loeriesfontein Public Library
  - Hantam Municipal Office

Proof of delivery and notification is included in Appendix E3.

#### 5 COMMENTS AND RESPONSES

**Error! Reference source not found.** has been updated with all comments received during the 30-day public comment period. Responses have been provided by Aurecon, the applicant, and specialists (where appropriate). The original comments and responses are available in Appendix E4.

No	Date	Name & Surname	Organisation	Format
1.	06.03.2019	Ms Natasha Higgitt	South African Heritage Resources Agency (SAHRA)	Email
2.	06.03.2019	Ms Lizell Stroh	South African Civil Aviation Authority (SACAA)	Email
3.	29.03.2019	Mr John Geeringh	Eskom	Email
4.	01.04.2019	Ms Natasha Higgitt	SAHRA	Letter
5.	11.04.2019	Mr Serame Motlhake	SENTECH	Email
6.	18.04.2019	Ms Natasha Higgitt	SAHRA	Letter

Table 2: Summary of I&AP of comments received

#### Table 3: I&AP Comments and Responses

No	Name	Comment	Response
1.	Ms Natasha Higgitt ■ SAHRA ■ 06.03.2019	Please note that all development applications are processed via our online portal, the South African Heritage Resources Information System (SAHRIS) found at the following link: http://sahra.org.za/sahris/. We do not accept emailed, posted, hardcopy, faxed, website links or DropBox links as official submissions.	<ul> <li>The reports were uploaded onto SAHRIS under the following short names:</li> <li>Kokerboom 1 WEF Amendment; and</li> <li>Kokerboom 2 WEF Amendment.</li> </ul>
		Please create an application on SAHRIS and upload all documents pertaining to the Environmental Authorisation Amendment Application Process. As per section 38(8) of the National Heritage Resources Act, Act 25 of 1999 (NHRA), an assessment of heritage resources must form part of the process and the assessment must comply with section 38(3) of the NHRA.	

No	Name	Comment	Response
		Once all documents including all appendices are uploaded to the case application, please ensure that the status of the case is changed from DRAFT to SUBMITTED. Please ensure that all documents produced as part of the EA Amendment process are submitted as part of the application and are submitted to SAHRA at the beginning of the Public Review periods. Once all these documents have been uploaded, I will be able to issue an informed comment as per section 38(4) and 38(8) of the NHRA.	
		It seems that the documents did not upload correctly for Case ID 13547 (Kokerboom 1). The second case seems to have all its documents.	A different internet browser was used to re-upload the Kokerboom 1 project.
		The documents are now visible on the case. I will inform you once comments are issued.	Noted. Thank you for confirming visibility of the projects on SAHRIS.
2.	Ms Lizell Stroh SACAA 06.03.2019	<ul> <li>The S. A. Civil Aviation Authority (SACAA) has taken note of your intention to develop a wind farm and requires the following information in order to assess the possible impact on aviation.</li> <li>A formal application via <i>Form CA139-26–Wind Farm application</i>, available electronically from the SACAA website (www.caa.co.za), follow link <i>"Information for the industry" – drop down list – Obstacles- Forms.</i></li> <li>Completion of the attached Excel spreadsheet – <i>Property boundaries co–ordinates.</i></li> <li>Completion of the attached <i>Pylon geographic co-ordinates.</i> Should these co-ordinates not be available at this stage, an indication of the planned route of the power evacuation lines to the point of connection with the national grid.</li> <li>A live kmz file (Google Earth or similar) indicating proposed planned turbine layout.</li> </ul>	Noted. The necessary application forms and supporting information will be submitted to the SACAA after the amendment process has been concluded to obtain approval prior to commencement and/or as part of the REIPPPP bid submission process. The application to the SACAA will be based on the final approved layout and the final turbine selection.

No	Name	Comment	Response
		In order to assist with the DEA process, the SACAA will, subject to the proposed wind farm not presenting a hazard, issue an "in principle" conditional approval on the receipt of the planned turbine layout which will be subjected to an in-depth assessment accordance with the Civil Aviation Technical Standards. Should the turbine layout change from that which has been provided initially, a new assessment would be required to be conducted. Kindly note, that the conditional approval will be valid for a period of 5 years from date of issue. On completion of the project and receipt of "as built" detail and a statement of compliance to specified conditions, the SACAA will provide a final approval.	
		As the proposed site may be adjacent to areas of military interest, the SAAF will be included in the request for review, once the proposed site and wind farm information is made available for assessment. The SACAA refrains from commenting on a proposal but will either conditionally support or disapprove the project; from an aviation perspective should the project create a hazard or obstacle to aviation in the area of the project.	
		Following the receipt of the information, an invoice to cover the assessment will be generated and becomes payable before the assessment results will be released.	
3.	Mr John Geeringh Eskom 20.03.2019	Should any amendments be effected to the size or number of turbines as well as turbine positions, please take note of the attached Eskom requirements as well as the setbacks required from Eskom infrastructure.	Eskom's requirements for working at or near any Eskom infrastructure has been considered by the applicant's engineers in the proposed Kokerboom 1 layout. These requirements have been sent to the applicant to take cognisance of during the detailed design phase.
4.	Ms Natasha Higgitt ■ SAHRA	Interim Comment in terms of Section 38(3), 38(8) of the National Heritage Resources Act (Act 25 of 1999). Application for Amendment of Environmental Authorisation for the Proposed Kokerboom 1 Wind Farm on Farm Leewbergrivier	The following extract was taken from the heritage specialist's (Dr Jayson Orton of ASHA Consulting (Pty) Ltd) response to SAHRA:

No	Name	Comment	Response
	• 01.04.2019	(Farm no. 1163) and Remainder of Farm Kleine Rooiberg (Farm 227) near Loeriesfontein in the Northern Cape.	I have examined the new layout relative to the known archaeological resources. One archaeological find lies about 60m
		Aurecon South Africa (Pty) Ltd has been appointed by Business Venture Investments No. 1788 (Pty) Ltd to conduct an Environmental Authorisation (EA) Amendment Application for the authorised Kokerboom 1 Wind Energy Facility, near Loeriesfontein, Northern Cape. A previous SAHRIS Case has reference ( <i>SAHRIS Case ID</i> <i>10338 - https://sahris.sahra.org.za/cases/kokerboom-1-wef</i> ). A draft Amendment report has been submitted in terms of the National Environmental Management Act, No 107 of 1998 (NEMA), NEMA Environmental Impact Assessment (EIA) Regulations. The proposed amendments to the authorised development include a new substation location, an increase in the rotor diameter, new construction camp/laydown area locations, 32 km of overhead MV powerlines and a new 3.3 km HV powerline. Additionally, the locations of the turbines have been altered when compared to the Final EIA on SAHRIS Case ID 10338. Interim Comment In a Final Comment issued on 15/08/2017 on the original EA Application case for Kokerboom 1, SAHRA provided the following condition: <i>"If there are any changes to the layout then these should be</i> <i>evaluated by an archaeologist and a report must be submitted</i>	archaeological resources. One archaeological find lies about our from the power line route but is a scatter of historical ceramic fragments of very low significance and requires no mitigation. All other sites are well away from the layout. The minimum distance between significant archaeological sites and the revised layout is 400m. As such, no impacts to these sites are expected at all. Because the survey aimed to visit all landscape features where archaeology would be expected and to sample the remaining parts of the landscape, a good understanding of site distribution has been gained and it is considered very unlikely that further significant resources would be present anywhere within the project site. Visual impacts to the cultural landscape were also considered. Although the turbines would be equipped with longer blades (the hub height will remain the same), there will be slightly fewer of them. Given that the original turbine structures were already very tall, the increase in height will not make much difference. The reduction in turbine numbers is therefore considered to be a positive aspect. The proposed amendments will not affect the nature or significance of the impacts previously assessed. No additional fieldwork or reporting is required to assess the proposed amendments, and all mitigation measures previously recommended remain valid. I therefore support the amendment of the environmental authorisation but, once more, subject to the
		evaluated by an archaeologist and a report must be submitted to SAHRA for comment. No construction may commence without comment from SAHRA."	following conditions as contained in the original assessment: – If there are any further changes to the layout then these
		As the proposed amendments to the authorized include changes to the footprint of the turbines, SAHRA requests that the condition provided in the Final Comment referenced above be completed as part of the EA Amendment Application.	should be evaluated by an archaeologist. If any mitigation becomes necessary this should be commissioned and completed before the start of construction; and

No	Name	Comment	Response
		SAHRA advises the applicant to follow the process in terms of section 32(1)b of the NEMA EIA Regulations in order to comply with the requirements above. Further comments will be issued upon receipt of the above. Should you have any further queries, please contact the designated official using the case number quoted above in the case header.	<ul> <li>If any archaeological material or human burials are uncovered during the course of development then the find should be protected from further disturbance and work in the immediate area should be halted if necessary. The find would need to be reported to the heritage authorities and may require inspection by an archaeologist. Such heritage is the property of the state and may require excavation and curation in an approved institution.</li> <li>Please refer to Appendix E4 of a copy of Mr Orton's complete response.</li> </ul>
5.	Mr Serame Motlhake SENTECH 11.04.2019	<ul> <li>Herewith is the information required for us to comment.</li> <li>1. A preliminary study to be conducted and a quotation for a detailed study. A kml with wind turbine positions is required for this purpose;</li> <li>2. We will conduct the preliminary study of the wind farm location to determine how many terrestrial transmitter stations might be affected. Based on the findings we will forward the man-hours required for the study to our Marketing and Sales Division who will then issue a quotation;</li> <li>3. Once the amount is settled an interference investigation study will be conducted. The results and findings will be compiled in an interference area and number of people affected is acceptable a conditional letter of approval will be provided.</li> <li>4. The following information is required for the detailed study:</li> <li>Latest KML WTG layout of the wind farm;</li> </ul>	Noted. The necessary application forms and supporting information will be submitted to SENTECH after the amendment process has been concluded to obtain approval prior to commencement and/or as part of the REIPPPP bid submission process. The application to SENTECH will be based on the final approved layout and the final turbine selection.

#### Proposed Amendment for Kokerboom 1 Wind Farm near Loeriesfontein, Northern Cape

No	Name	Comment	Response
		<ul> <li>Number of wind turbines (please provide the total number of wind turbines)</li> </ul>	
		Height of wind turbine up to the hub;	
		Length of wind turbine blade;	
		Maximum blade width;	
		<ul><li>Diameter of tower at base;</li></ul>	
		<ul><li>Diameter of tower below hub;</li></ul>	
		5. Demarcated map indicating wind turbine positions and wind farm boundary areas.	
6.	Ms Natasha Higgitt	Final Comment - In terms of Section 38(4), 38(8) of the National Heritage Resources Act (Act 25 of 1999)	SAHRA's recommendations are noted and has been included in the EMPr. Please refer to sections 2.2.7, 4.1 and 4.2 in the EMPr
	<ul><li>SAHRA</li><li>18.04.2019</li></ul>	Application for Amendment of Environmental Authorisation for the Proposed Kokerboom 1 Wind Farm on Farm Leewbergrivier (Farm no. 1163) and Remainder of Farm Kleine Rooiberg (Farm 227) near Loeriesfontein in the Northern Cape.	regarding potential impacts on heritage resources and the necessary mitigation measures prior and during the construction phases. The Final Amendment Report and EMPr, as well as DEA's
		Aurecon South Africa (Pty) Ltd has been appointed by Business Venture Investments No. 1788 (Pty) Ltd to conduct an Environmental Authorisation (EA) Amendment Application for the authorised Kokerboom 1 Wind Energy Facility, near Loeriesfontein, Northern Cape.	decision on the amendment application will be submitted to SAHRA for record purposes.
		A previous SAHRIS Case has reference (SAHRIS Case ID 10338 - https://sahris.sahra.org.za/cases/kokerboom-1-wef).	
		A draft Amendment report has been submitted in terms of the National Environmental Management Act, No 107 of 1998 (NEMA), NEMA Environmental Impact Assessment (EIA) Regulations. The proposed amendments to the authorised development include a new substation location, an increase in the rotor diameter, new construction camp/laydown area	

No N	Name	Comment	Response
		locations, 32 km of overhead MV powerlines and a new 3.3 km HV powerline. Additionally, the locations of the turbines have been altered when compared to the Final EIA on SAHRIS Case ID 10338.	
		In an Interim Comment issued on the 01/04/2019, SAHRA noted the Final Comment issued on 15/08/2017 on the original EA Application case for Kokerboom 1, with the following conditions: <i>"If there are any changes to the layout then these should be</i> <i>evaluated by an archaeologist and a report must be submitted</i> <i>to SAHRA for comment. No construction may commence</i> <i>without comment from SAHRA."</i>	
		As the proposed amendments to the authorized include changes to the footprint of the turbines, SAHRA requested that the condition provided in the Final Comment referenced above be completed as part of the EA Amendment Application.	
		Since the issuing of the Interim Comment, a Heritage Comment on the revised layout as per the proposed amendments has been submitted.	
		Orton, J. 2019. Amendment to Environmental Authorisation for Kokerboom 1 Wind Energy Facility: Heritage Comment.	
		The specialist notes that the new layout respects all known heritage resources and that the palaeontological specialist had previously showed that the development footprint is of low palaeontological sensitivity and no areas required avoidance. The adjusted layout shows that one archaeological site will be 60m from a turbine but will not be directly impacted. It is considered very unlikely that further significant resources would be present anywhere within the project site. As there will be a reduction in the turbine number and is therefore considered to be a positive aspect.	

No	Name	Comment	Response
		Recommendations provided in the comment include the following:	
		<ul> <li>All mitigation measures previously recommended remain valid;</li> </ul>	
		If there are any further changes to the layout then these should be evaluated by an archaeologist. If any mitigation becomes necessary, this should be commissioned and completed before the start of construction; and	
		If any archaeological material or human burials are uncovered during the course of development, then the find should be protected from further disturbance and work in the immediate area should be halted if necessary. The find would need to be reported to the heritage authorities and may require inspection by an archaeologist. Such heritage is the property of the state and may require excavation and curation in an approved institution.	
		Final Comment	
		The SAHRA Archaeology, Palaeontology and Meteorites (APM) Unit has no objections to the proposed amendments to the development and supports the recommendations of the specialists. The recommendations of the specialist and the following conditions must be included in the EMPr:	
		<ul> <li>The Final Comment issued for the original EA application on SAHRIS Case ID 10338 remains valid and must be adhered to;</li> </ul>	
		<ul> <li>The Final Amendment Report and EMPr must be submitted to SAHRA for record purposes;</li> </ul>	
		<ul> <li>If any evidence of archaeological sites or remains (e.g. remnants of stone-made structures, indigenous ceramics,</li> </ul>	

No	Name	Comment	Response
		<ul> <li>bones, stone artefacts, ostrich eggshell fragments, charcoal and ash concentrations), fossils or other categories of heritage resources are found during the proposed development, SAHRA APM Unit (Natasha Higgitt/Phillip Hine 021 462 5402) must be alerted as per section 35(3) of the NHRA. If unmarked human burials are uncovered, the SAHRA Burial Grounds and Graves (BGG) Unit (Thingahangwi Tshivhase/Mimi Seetelo 012 320 8490), must be alerted immediately as per section 36(6) of the NHRA. A professional archaeologist or palaeontologist, depending on the nature of the finds, must be contracted as soon as possible to inspect the findings. If the newly discovered heritage resources prove to be of archaeological or palaeontological significance, a Phase 2 rescue operation may be required subject to permits issued by SAHRA;</li> <li>The decision regarding the EA Application must be communicated to SAHRA and uploaded to the SAHRIS Case application.</li> <li>Should you have any further queries, please contact the designated official using the case number quoted above in the case header.</li> </ul>	

#### 6 WAY FORWARD

This PPR was compiled after the 30-day public comment period (6 March 2019 to 8 April 2019) of the draft Amendment Report. This document forms an annexure to the Final Amendment Report for Kokerboom 1 WEF which will be submitted to the DEA for review and decision making in April 2019.

# **APPENDIX E1**

LANDOWNER AGREEMENT(S)

### LETTER OF CONSENT

I, the undersigned,

#### HERCULES CHRISTIAAN VAN HEERDEN (Snr)

(ID Number 580303 5021 080)

as the duly authorised representative for:

#### AJ VAN HEERDEN FAMILIE TRUST (IT4437/1996)

the registered owner of the property:

#### **THE FARM LEEUWBERGRIVIER NO. 1163**

Registration Division Calvinia Province of the Northern Cape Held by Deed of Transfer T107008/1998 (SG Code: C0150000000116300000)

hereby consent to the proposed development of a Wind Energy Facility and associated infrastructure on the above-mentioned property, by the Applicant, **Business Venture Investments No. 1788 (Pty) Ltd** (Registration Number 2013/209393/07). I further confirm that the AJ Van Heerden Familie Trust is aware of the Environmental Impact Assessment process to be undertaken for the proposed development.

Signed at SOMERSET WEST on this day 17 AUGUST 2016.

HC Van Heerden

### LETTER OF CONSENT

I, the undersigned,

#### JOHANNA MAGRIETHA VAN DER WESTHUIZEN IDENTITY NUMBER 370909 0056 006 UNMARRIED

As representative of the registered owners:

#### JOHANNA MAGRIETHA VAN DER WESTHUIZEN IDENTITY NUMBER 370909 0056 006 UNMARRIED

#### MAGRIETHA JACOBA VAN DER WESTHUIZEN IDENTITY NUMBER 291011 0024 005 UNMARRIED

#### JOSIAS VAN DER WESTHUIZEN IDENTITY NUMBER 620510 5189 087 MARRIED IN COMMUNITY OF PROPERTY TO TANJA VAN DER WESTHUIZEN IDENTITY NUMBER 631230 0118 083

#### JOSIAS JOHANNES VAN DER WESTHUIZEN IDENTITY NUMBER 560201 5034 000 UNMARRIED

Of the properties:

#### **REMAINING EXTENT OF THE FARM SPRINGBOK TAND 215**

Registration Division Calvinia, Province of the Northern Cape Held by Deed of Transfer T101268/2005, T18926/1985, T106445/2003, T18930/1985, T18928/1985, T71722/1994, T90979/1996 (SG Code: C0150000000215000000)

And

#### REMAINING EXTENT OF THE FARM KLEINE ROOIBERG 227

Registration Division Calvinia, Province of the Northern Cape Held by Deed of Transfer T101268/2005, T18926/1985, T106445/2003, T18930/1985, T18298/1985, T71722/1994, T90979/1996 (SG Code: C0150000000227000000) hereby consent to the proposed development of a Wind Energy Facility and associated infrastructure on the above-mentioned properties, by the Applicant, **Business Venture Investments No. 1788 (Pty) Ltd** (Registration Number 2013/209393/07). We further confirm that the undersigned land owners are aware of the Environmental Impact Assessment process to be undertaken for the proposed development.

Signed at Locates Fontein on this day 15-08 2016.

<u>Jein vol. Westhuisen</u> Johanna magrietha van dér westhuizen

# **APPENDIX E2**

WRITTEN NOTIFICATION

Cape Town Aurecon Centre 1 Century City Drive Waterford Precinct Century City Cape Town 7441 PO Box 494 Cape Town 8000 South Africa 
 T
 +27 21 526 9400

 F
 +27 21 526 9500

 E
 capetown@aurecongroup.com

 W
 aurecongroup.com



5 Maart 2019

Geagte Heer/Dame

#### AANSOEK VIR WYSIGINGS VAN DIE OMGEWINGSMAGTIGING VIR DIE KOKERBOOM 1 EN KOKERBOOM 2 WIND-ENERGIE FASILITEITE DOS Verw.: 14/12/16/3/3/2/985 (Koberboom 1) DOS Verw.: 14/12/16/3/3/2/986 (Kokerboom 2)

#### PUBLIEKE DEELNAME PROSES BESKIKBAARHEID VAN VERSLAE VIR KOMMENTAAR

Met betrekking tot ons skrywe gedateer 12 Desember 2017 aangaande die Omgewingsmagtiging (OM) wat op 29 November 2017 aan Business Venture Investments No. 1788 (Edms) Bpk (BVI) toegeken is vir die bogenoemde projekte.

BVI het Aurecon Suid-Afrika (Edms) Bpk aangestel om 'n proses deur te voer vir die wysising van die OMs vir die Kokerboom 1 en Kokerboom 2 Wind-Energie Fasiliteite. Die wysigingsproses sal plaasvind ingevolge die 2014 Regulasies vir Omgewingsinvloedbepaling (OIB) (GK R982, soos gewysig). Die doel van die voorgestelde wysigings is om voorsiening te maak vir:

- Verbeterde windturbine tegnologie (verhoging van die naaf-hoogte, vergroting van die rotordeursnee en vergroting van die turbine vermoë om krag op te wek); en
- Optimalisering van die uitleg met inagneming van die gewysigde turbine-spesifikasies.

Die voorgestelde wysigings sal lei tot 'n verandering in die omvang van die OMs vir Kokerboom 1 en Kokerboom 2 Wind-Energie Fasiliteite, en vereis dus dat 'n Deel 2-wysigingsproses onderneem word soos uiteengesit in Artikels 31 en 32 van GK R982 (2014, soos gewysig).

Die doel van hierdie brief is om u as 'n geregistreerde belanghebbende en geaffekteerde party (B&GP) in kennis te stel van die geleentheid om kommentaar te lewer op die Kokerboom 1 en Kokerboom 2 wysigingsverslae ooreenkomstig met die vereistes van die OIB-regulasies (GK R982 van 2014, soos gewysig).

Die Wysigings Verslae kan deur die publiek besigtig word **vanaf 6 Maart tot 8 April 2019** vir 'n tydperk van 30 dae te:

- Loeriesfontein Publieke Biblioteek (Pleinstraat, Loeriesfontein / Tel: 027 662 1182);
- Aurecon se webwerf: http://aurecongroup.com/en/public-participation.aspx; en
- Dropbox:(<u>https://www.dropbox.com/sh/s1c4yydv8ao7s49/AAAN1QxCzf0TCsbzcOKRPcQka?</u> <u>dl=0</u>).

Vir meer inligting oor die Kokerboom 1 en Kokerboom 2 Wind-Energie Fasiliteite, kontak asseblief vir Me Pearl Rakeepile (Tel: 021 526 6044 / Epos: pearl.rakeepile@aurecongroup.com) of Me Franci Gresse (Tel: 021 526 6022 / Epos: franci.gresse@aurecongroup.com) van Aurecon voor of op **8 April 2019**.

Die Uwe

Z

Franci Gresse Senior Omgewingskonsultant

ISO 9001 Certified Member of CESA and ASAQS Member of the Ethics Institute of South Africa Silver Founding Member of the Green Building Council of South Africa Cape Town Aurecon Centre 1 Century City Drive Waterford Precinct Century City Cape Town 7441 PO Box 494 Cape Town 8000 South Africa 
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5 March 2019

Dear Sir/Madam

#### APPLICATION FOR AMENDMENT OF THE ENVIRONMENTAL AUTHORISATION FOR THE KOKERBOOM 1 AND KOKERBOOM 2 WIND ENERGY FACILITIES DEA Ref: 14/12/16/3/3/2/985 (Kokerboom 1) & 14/12/16/3/3/2/986 (Kokerboom 2)

#### PUBLIC PARTICIPATION PROCESS AVAILABILITY OF REPORTS FOR COMMENT

Our correspondence dated 12 December 2017 regarding the Environmental Authorisation's (EAs) granted to Business Venture Investments No. 1788 (Pty) Ltd (BVI) on 29 November 2017, for the abovementioned projects has reference.

BVI is proposing to amend the EAs for the Kokerboom 1 and Kokerboom 2 Wind Energy Facilities (WEFs) and has appointed Aurecon South Africa (Pty) Ltd to manage the amendment process in terms of the 2014 Environmental Impact Assessment (EIA) Regulations (GN R982 of December 2014, as amended). The purpose of the proposed amendments is to allow for:

- Improved wind turbine technology (increased hub height, rotor diameter and rated power of the turbines); and
- An optimized layout to accommodate the revised turbine specifications.

The proposed amendments would result in a change to the scope of the Kokerboom 1 and Kokerboom 2 WEF EAs and would thus require a Part 2 amendment process as described in Sections 31 and 32 of GN R982 (2014, as amended).

The purpose of this letter is to notify you, as a registered interested and affected party (I&AP), of the opportunity to comment on the Kokerboom 1 and Kokerboom 2 amendment reports in accordance with the requirements of the EIA Regulations (GN R982 of 2014, as amended).

The Amendment Reports are accessible to the public at the following locations for a period of 30 days, from 6 March until 8 April 2019:

- Loeriesfontein Public Library (Main Street, Loeriesfontein);
- Aurecon's website: http://aurecongroup.com/en/public-participation.aspx; and
- Dropbox:(https://www.dropbox.com/sh/s1c4yydv8ao7s49/AAAN1QxCzf0TCsbzcOKRPcQka? dl=0).

For further information on the Kokerboom 1 and Kokerboom 2 WEFs, please contact Ms Pearl Rakeepile (Tel: 021 526 6044 / Email: pearl.rakeepile@aurecongroup.com) or Ms Franci Gresse (Tel: 021 526 6022 / Email: franci.gresse@aurecongroup.com) of Aurecon **by 8 April 2019**.

Yours faithfully

Ger

FRANCI GRESSE Senior Environmental Consultant

ISO 9001 Certified Member of CESA and ASAQS Member of the Ethics Institute of South Africa Silver Founding Member of the Green Building Council of South Africa

## **APPENDIX E3**

PROOF OF DELIVERY

### Pearl Rakeepile

From:	Pearl Rakeepile
Sent:	5 March, 2019 5:52 PM
То:	Zoë Palmer
Cc:	Franci Gresse
Subject:	Kokerboom 1 and Kokerboom 2 Wind Energy Facilities near Loeriesfontein
Attachments:	I&AP Amendment Notfication Letters_K1 and K2 - Final Eng.pdf; I&AP Amendment
	Notfication Letter_K1 and K2 - Final Afrik.pdf

#### Tracking:

Recipient	Delivery	Read
Zoë Palmer	Delivered: 05-Mar-19 5:53 PM	Read: 05-Mar-19 5:55 PM
Franci Gresse	Delivered: 05-Mar-19 5:53 PM	
'admin@raubicon.co.za'		
'deon@vdwestassoc.co.za'		
'deon@vdwestassoc.co.za'		
'frans.lombard@torreparts.com'		
'gerhard.lombard.f100@gmail.com		
'francois@tierhoek.co.za'		
'danievdw14@gmail.com'		
'g@proc.net.za'		
'admin@raubicon.co.za'		
'brakbos@hantam.co.za'		
'nulandisab@telkomsa.net'		
'francois@tierhoek.co.za'		
'serahmu@daff.gov.za'		
'MashuduMa@daff.gov.za'		
'nhlakad@daff.gov.za'		
'mrabothata@environment.gov.za		
'vchauke@envronment.gov.za'		
'tsangweni@environment.gov.za'		
'mkabasa@environment.gov.za'		
'tnyalunga@environment.gov.za'		
'wlutsch@environment.gov.za'		
'amberra@yahoo.com'		
'Linda.Njemla@dmr.gov.za'		
'zethu.kapika@nersa.org.za'		
'nocebile.masemola@nersa.org.za'		
'nhiggitt@sahra.org.za'		
'Dekockr@nra.co.za'		
'John.Geeringh@eskom.co.za'		
'tmakaudi@ncpg.gov.za'		
'tebogo.lentswe@energy.gov.za'		
'Lterblanche@ncpg.gov.za'		
'leonterblans@gmail.com'		
'rbarlow@ncpg.gov.za'		
'ManamathelaS@dws.gov.za'		
1		

#### Recipient

#### Delivery

Read

'rtimothy@nbkb.org.za' 'chrisf@namakwa-dm.gov.za' 'munman@khaima.gov.za' 'jiswartz@hantam.gov.za' 'vanwykjr@hantam.gov.za' 'shereavef@hantam.gov.za' 'housing1@hantam.gov.za' 'dockhuys@gmail.com' 'faraofj64@gmail.com' 'advocacy@birdlife.org.za' 'energy@birdlife.org.za' 'kate@iws-sa.co.za' 'atiplady@ska.ac.za' 'temonama@ska.ac.za' 'peter@experiencenortherncape.co 'peter.ncta@telkomsa.net' 'patrick@tops.org.za' 'lourensl@ewt.org.za' 'jcoetzee@wwf.org.za' 'strohl@caa.co.za' 'Rydall.Jardine@weathersa.co.za' 'motlhakes@sentech.co.za' 'keith@salt.ac.za' 'rrs@saao.ac.za' 'Marli.vanrooy@gmail.com' 'eugene.marais@mainstreamrp.co 'mercia.grimbeek@mainstreamrp.c 'rebecca.thomas@mainstreamrp.co 'tom.thorogood@mainstreamrp.cc 'braamlintvelt@gmail.com' 'eia@g7energies.com' 'eia@g7energies.com' 'stephanj@sivest.co.za' 'justincrow@hotmail.com' 'windlab.iap@windlab.com' 'johnelton@gmail.com' 'zitromsteenkamp82@gmail.com'

# Dear Sir/Madam

This email serves to inform you that Business Venture Investments No. 1788 (Pty) Ltd (BVI) is proposing to amend the EAs for the Kokerboom 1 and Kokerboom 2 WEFs and has appointed Aurecon to manage the part 2 amendment process in terms of the 2014 EIA Regulations (GN R982 of 2014) pursuant to the National Environmental Management

Act (Act 107 of 1998) (NEMA). The process requires that any person affected by or interested in the project are informed about the proposed project and must be invited to provide input throughout the study.

This email is therefore an invitation to all interested and affected parties (I&APs) to submit any comments, questions and/or concerns to the project team in relation to the content of the Amendment Report. Comments will be accepted during the 30-day public comment period between **06 March 2019 and 08 April 2019**.

Kindly find attached a notification letter which provides more information on the availability of the Draft Amendment Reports. Alternatively, click <u>here</u> to access the reports on Dropbox.

For further information, please do not hesitate to contact the Aurecon Team.

Kind Regards

Pearl Rakeepile Consultant, Environment and Planning, Aurecon T +27 21 5266044 Pearl.Rakeepile@aurecongroup.com

aurecongroup.com



DISCLAIMER

# **Pearl Rakeepile**

Zoë Palmer Franci Gresse		ties near l ceriesfontein
Recipient	Delivery	Read
Zoë Palmer Franci Gresse	Delivered: 29-Mar-19 10:16 AM Delivered: 29-Mar-19 10:16 AM	Read: 29-Mar-19 10:19 AM
	29 March, 2019 10:1 Zoë Palmer Franci Gresse RE: Kokerboom 1 an <b>Recipient</b> Zoë Palmer	29 March, 2019 10:16 AM Zoë Palmer Franci Gresse RE: Kokerboom 1 and Kokerboom 2 Wind Energy Facili <b>Recipient Delivery</b> Zoë Palmer Delivered: 29-Mar-19 10:16 AM

'admin@raubicon.co.za' 'heinie@multipunch.co.za' 'deon@vdwestassoc.co.za' 'frans.lombard@torreparts.com' 'gerhard.lombard.f100@gmail.corr

'francois@tierhoek.co.za' 'danievdw14@gmail.com'

'brakbos@hantam.co.za' 'nulandisab@telkomsa.net' 'serahmu@daff.gov.za' 'MashuduMa@daff.gov.za' 'nhlakad@daff.gov.za'

'amberra@yahoo.com' 'Linda.Njemla@dmr.gov.za' 'zethu.kapika@nersa.org.za' 'nocebile.masemola@nersa.org.za' 'zitromsteenkamp82@gmail.com'

'nhiggitt@sahra.org.za' 'Dekockr@nra.co.za'

'John.Geeringh@eskom.co.za' 'tmakaudi@ncpg.gov.za'

'tebogo.lentswe@energy.gov.za' 'Lterblanche@ncpg.gov.za' 'leonterblans@gmail.com' 'rbarlow@ncpg.gov.za' 'ManamathelaS@dws.gov.za' 'rtimothy@nbkb.org.za' 'chrisf@namakwa-dm.gov.za'

'mrabothata@environment.gov.za 'vchauke@environment.gov.za' 'tsangweni@environment.gov.za' 'mkabasa@environment.gov.za' 'tnyalunga@environment.gov.za'

'g@proc.net.za'

#### Recipient

### Delivery

Read

'munman@khaima.gov.za' 'jiswartz@hantam.gov.za' 'vanwykjr@hantam.gov.za' 'shereavef@hantam.gov.za' 'housing1@hantam.gov.za' 'dockhuys@gmail.com' 'faraofj64@gmail.com' 'advocacy@birdlife.org.za' 'energy@birdlife.org.za' 'kate@iws-sa.co.za' 'atiplady@ska.ac.za' 'temonama@ska.ac.za' 'peter@experiencenortherncape.co 'peter.ncta@telkomsa.net' 'patrick@tops.org.za' 'lourensl@ewt.org.za' 'jcoetzee@wwf.org.za' 'strohl@caa.co.za' 'Rydall.Jardine@weathersa.co.za' 'motlhakes@sentech.co.za' 'keith@salt.ac.za' 'rrs@saao.ac.za' 'Marli.vanrooy@gmail.com' 'eugene.marais@mainstreamrp.co 'mercia.grimbeek@mainstreamrp.c 'rebecca.thomas@mainstreamrp.co 'tom.thorogood@mainstreamrp.cc 'braamlintvelt@gmail.com' 'eia@g7energies.com' 'eia@g7energies.com' 'stephanj@sivest.co.za' 'windlab.iap@windlab.com'

## Dear Sir/Madam

Our communication of 5 March 2019 regarding the availability of the Amendment Reports for Kokerboom 1 and Kokerboom 2 Wind Energy Facilities has reference.

Please note that the closure date for the submission of comments ends on 8 April 2019.

Should you have any queries, please do not hesitate to contact us

Kind Regards

Pearl Rakeepile Consultant, Environment and Planning, Aurecon DISCLAIMER

From: Pearl Rakeepile
Sent: 5 March, 2019 5:52 PM
To: Zoë Palmer <Zoe.Palmer@aurecongroup.com>
Cc: Franci Gresse <Franci.Gresse@aurecongroup.com>
Subject: Kokerboom 1 and Kokerboom 2 Wind Energy Facilities near Loeriesfontein

Dear Sir/Madam

This email serves to inform you that Business Venture Investments No. 1788 (Pty) Ltd (BVI) is proposing to amend the EAs for the Kokerboom 1 and Kokerboom 2 WEFs and has appointed Aurecon to manage the part 2 amendment process in terms of the 2014 EIA Regulations (GN R982 of 2014) pursuant to the National Environmental Management Act (Act 107 of 1998) (NEMA). The process requires that any person affected by or interested in the project are informed about the proposed project and must be invited to provide input throughout the study.

This email is therefore an invitation to all interested and affected parties (I&APs) to submit any comments, questions and/or concerns to the project team in relation to the content of the Amendment Report. Comments will be accepted during the 30-day public comment period between **06 March 2019 and 08 April 2019**.

Kindly find attached a notification letter which provides more information on the availability of the Draft Amendment Reports. Alternatively, click <u>here</u> to access the reports on Dropbox.

For further information, please do not hesitate to contact the Aurecon Team.

Kind Regards

Pearl Rakeepile Consultant, Environment and Planning, Aurecon T +27 21 5266044 Pearl.Rakeepile@aurecongroup.com

aurecongroup.com

DISCLAIMER

# **APPENDIX E4**

COMMENTS AND RESPONSES

# Franci Gresse

From: Sent:	Natasha Higgitt <nhiggitt@sahra.org.za> Wednesday, March 6, 2019 10:27 AM</nhiggitt@sahra.org.za>
То:	Zoë Palmer; Pearl Rakeepile
Cc:	Franci Gresse
Subject:	RE: Kokerboom 1 and Kokerboom 2 Wind Energy Facilities near Loeriesfontein

Good morning,

The documents are now visible on the case. I will inform you once comments are issued.

Kind regards,

From: Zoë Palmer <Zoe.Palmer@aurecongroup.com>
Sent: Wednesday, March 06, 2019 10:01 AM
To: Natasha Higgitt <nhiggitt@sahra.org.za>; Pearl Rakeepile <Pearl.Rakeepile@aurecongroup.com>
Cc: Franci Gresse <Franci.Gresse@aurecongroup.com>
Subject: RE: Kokerboom 1 and Kokerboom 2 Wind Energy Facilities near Loeriesfontein

Thanks for letting me know. I think I've corrected that now by using a different browser.

Kind regards

Zoë Palmer Cand.Sci.Nat., BSc (Hons) Env. Sci. Senior Consultant, Environment and Planning, Aurecon T +27 21 5266069 F +27 21 5269500 M +27 790929717 Zoe.Palmer@aurecongroup.com

DISCLAIMER

From: Natasha Higgitt <<u>nhiggitt@sahra.org.za</u>>
Sent: Wednesday, March 6, 2019 9:58 AM
To: Zoë Palmer <<u>Zoe.Palmer@aurecongroup.com</u>>; Pearl Rakeepile
<<u>Pearl.Rakeepile@aurecongroup.com</u>>;
Cc: Franci Gresse <<u>Franci.Gresse@aurecongroup.com</u>>;
Subject: RE: Kokerboom 1 and Kokerboom 2 Wind Energy Facilities near Loeriesfontein

Good morning,

It seems that the documents did not upload correctly for Case ID 13547 (Kokerboom 1). The second case seems to have all its documents.

Kind regards,

From: Zoë Palmer <<u>Zoe.Palmer@aurecongroup.com</u>> Sent: Wednesday, March 06, 2019 9:46 AM To: Natasha Higgitt <<u>nhiggitt@sahra.org.za</u>>; Pearl Rakeepile <<u>Pearl.Rakeepile@aurecongroup.com</u>> Cc: Franci Gresse <<u>Franci.Gresse@aurecongroup.com</u>> Subject: RE: Kokerboom 1 and Kokerboom 2 Wind Energy Facilities near Loeriesfontein

Hi Natasha,

Thank you for your email. The reports have been uploaded onto SAHRIS under short names **Kokerboom 1 WEF Amendment** and **Kokerboom 2 WEF Amendment**.

Please let me know if you have any trouble accessing the reports. I had a bit of a stumble uploading the reports, but I think they're there now.

Kind regards

Zoë Palmer Cand.Sci.Nat., BSc (Hons) Env. Sci. Senior Consultant, Environment and Planning, Aurecon T +27 21 5266069 F +27 21 5269500 M +27 790929717 Zoe.Palmer@aurecongroup.com

# DISCLAIMER

From: Natasha Higgitt <<u>nhiqgitt@sahra.org.za</u>>
Sent: Wednesday, March 6, 2019 8:24 AM
To: Pearl Rakeepile <<u>Pearl.Rakeepile@aurecongroup.com</u>>; Zoë Palmer
<<u>Zoe.Palmer@aurecongroup.com</u>>
Cc: Franci Gresse <<u>Franci.Gresse@aurecongroup.com</u>>
Subject: RE: Kokerboom 1 and Kokerboom 2 Wind Energy Facilities near Loeriesfontein

Good morning,

Please note that all development applications are processed via our online portal, the South African Heritage Resources Information System (SAHRIS) found at the following link: <u>http://sahra.org.za/sahris/</u>. We do not accept emailed, posted, hardcopy, faxed, website links or DropBox links as official submissions.

Please create an application on SAHRIS and upload all documents pertaining to the Environmental Authorisation Amendment Application Process. As per section 38(8) of the National Heritage Resources Act, Act 25 of 1999 (NHRA), an assessment of heritage resources must form part of the process and the assessment must comply with section 38(3) of the NHRA.

Once all documents including all appendices are uploaded to the case application, please ensure that the status of the case is changed from DRAFT to SUBMITTED. Please ensure that all documents produced as part of the EA Amendment process are submitted as part of the application, and are submitted to SAHRA at the beginning of the Public Review periods. Once all these documents have been uploaded, I will be able to issue an informed comment as per section 38(4) and 38(8) of the NHRA.

Kind regards,

From: Pearl Rakeepile <<u>Pearl.Rakeepile@aurecongroup.com</u>> Sent: Tuesday, March 05, 2019 5:53 PM To: Zoë Palmer <<u>Zoe.Palmer@aurecongroup.com</u>> Cc: Franci Gresse <<u>Franci.Gresse@aurecongroup.com</u>> Subject: Kokerboom 1 and Kokerboom 2 Wind Energy Facilities near Loeriesfontein

Dear Sir/Madam

This email serves to inform you that Business Venture Investments No. 1788 (Pty) Ltd (BVI) is proposing to amend the EAs for the Kokerboom 1 and Kokerboom 2 WEFs and has appointed Aurecon to manage the part 2 amendment process in terms of the 2014 EIA Regulations (GN R982 of 2014) pursuant to the National Environmental Management Act (Act 107 of 1998) (NEMA). The process requires that any person affected by or interested in the project are informed about the proposed project and must be invited to provide input throughout the study.

This email is therefore an invitation to all interested and affected parties (I&APs) to submit any comments, questions and/or concerns to the project team in relation to the content of the Amendment Report. Comments will be accepted during the 30-day public comment period between **06 March 2019 and 08 April 2019**.

Kindly find attached a notification letter which provides more information on the availability of the Draft Amendment Reports. Alternatively, click <u>here</u> to access the reports on Dropbox.

For further information, please do not hesitate to contact the Aurecon Team.

Kind Regards

Pearl Rakeepile Consultant, Environment and Planning, Aurecon T +27 21 5266044 Pearl.Rakeepile@aurecongroup.com

aurecongroup.com





## DISCLAIMER

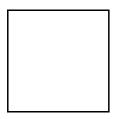
Natasha Higgitt Heritage Officer: Archaeology, Palaeontology and Meteorites Unit

South African Heritage Resources Agency - A nation united through heritage -

T: +27 21 462 4502/ 8660| C:+27 82 507 0378| F:+27 21 462 4509 E: <u>nhiggitt@sahra.org.za</u> | 111 Harrington Street | Cape Town |

## www.sahra.org.za





# Natasha Higgitt

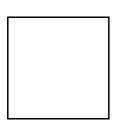
Heritage Officer: Archaeology, Palaeontology and Meteorites Unit

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# Natasha Higgitt Heritage Officer: Archaeology, Palaeontology and Meteorites Unit

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# www.sahra.org.za





Our Ref:



an agency of the Department of Arts and Culture

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

Enquiries: Natasha Higgitt Tel: 021 462 4502 Email: nhiggitt@sahra.org.za CaseID: 13547 Date: Monday April 01, 2019 Page No: 1

# **Interim Comment**

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

Attention: Mr Richard Gordon Business Venture Investments No 1788 (Pty) Ltd

# Application for Amendment of Environmental Authorisation for the Proposed Kokerboom 1 Wind Farm on Farm Leewbergrivier (Farm no. 1163) and Remainder of Farm Kleine Rooiberg (Farm 227) near Loeriesfontein in the Northern Cape.

Aurecon South Africa (Pty) Ltd has been appointed by Business Venture Investments No. 1788 (Pty) Ltd to conduct an Environmental Authorisation (EA) Amendment Application for the authorised Kokerboom 1 Wind Energy Facility, near Loeriesfontein, Northern Cape.

A previous SAHRIS Case has reference (SAHRIS Case ID 10338 - https://sahris.sahra.org.za/cases/kokerboom-1-wef).

A draft Amendment report has been submitted in terms of the National Environmental Management Act, No 107 of 1998 (NEMA), NEMA Environmental Impact Assessment (EIA) Regulations. The proposed amendments to the authorised development include a new substation location, an increase in the rotor diameter, new construction camp/laydown area locations, 32 km of overhead MV powerlines and a new 3.3 km HV powerline. Additionally, the locations of the turbines have been altered when compared to the Final EIA on SAHRIS Case ID 10338.

# **Interim Comment**

In a Final Comment issued on 15/08/2017 on the original EA Application case for Kokerboom 1, SAHRA provided the following condition:

*"If there are any changes to the layout then these should be evaluated by an archaeologist and a report must be submitted to SAHRA for comment. No construction may commence without comment from SAHRA."* 

As the proposed amendments to the authorized include changes to the footprint of the turbines, SAHRA requests that the condition provided in the Final Comment referenced above be completed as part of the EA Amendment Application.

Our Ref:



Department of Arts and Culture

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

Enquiries: Natasha Higgitt Tel: 021 462 4502 Email: nhiggitt@sahra.org.za CaseID: 13547 Date: Monday April 01, 2019 Page No: 2

SAHRA advises the applicant to follow the process in terms of section 32(1)b of the NEMA EIA Regulations in order to comply with the requirements above.

Further comments will be issued upon receipt of the above.

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

Yours faithfully

Natasha Higgitt Heritage Officer South African Heritage Resources Agency

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

ADMIN: Direct URL to case: http://www.sahra.org.za/node/521443 (SAHRA, Ref: 10338)



11 April 2019



Stephnie Kot Business Venture Investments No 1788 (Pty) Ltd PO BOX 23101 Claremont 7735

Dear Stephnie

# AMENDMENT TO ENVIRONMENTAL AUTHORISATION FOR KOKERBOOM 1 WIND ENERGY FACILITY: HERITAGE COMMENT

Thank you for sending the revised layout (see Figures 1 and 2 below) and project details for the proposed Kokerboom Wind Energy Facility (WEF). The following points are noted as being relevant to the present heritage comment:

- There are minor decreases in the footprint area of the proposed development with the permanent footprint (roads, turbines, etc) changing from c. 80 ha to c. 75 ha and the temporary footprint (laydown areas, etc) changing from 155 ha to 154 ha;
- The number of turbines will be reduced from a maximum of 64 to a maximum of 60<sup>1</sup>;
- Individual turbine generation capacity will change from a maximum of 4 MW to a maximum of 6.5 MW;
- Rotor diameter would increase from a maximum of 150 m to a maximum of 180 m;
- The maximum tip height would increase from 225 m to 240 m;
- The substation site has moved 850 m to the southeast to 30°28'6.42"S 19°26'15.88"E;
- The locations of the two construction camps/laydown areas to be flexible rather than fixed (but subject to the approval of the Environmental Control Officer prior to the start of construction);
- Internal construction (temporary) roads to reduce from c. 70 km to c. 65 km long (width remains approximately 20 m), while internal permanent roads to reduce from c. 70 km to c. 65 km long (width remains approximately 8 m);
- MV cabling within the facility is to be buried alongside internal roads where feasible, but with up to 32 km of overhead MV cabling to allow for the possibility of having to span ecologically sensitive areas or not being able to excavate solid bedrock areas; and
- The route of the HV powerline linking the on site substation to the Eskom switching station is altered to allow for the new substation location.

<sup>&</sup>lt;sup>1</sup> The actual number of turbines constructed will depend on the available turbine technology in South Africa at the specific point in time that construction commence, i.e. the larger the turbine that is utilised, the fewer turbines required. The generation capacity of the wind farm will however be capped at 256MW, as authorised by the Department of Environmental Affairs (DEA).

It is noted that the new layout respects all known heritage resources (all of them being archaeological sites). Furthermore, the palaeontological specialist study by Dr John Almond showed that the project site was of low palaeontological sensitivity and that there were no areas that required avoidance.

I have examined the new layout relative to the known archaeological resources (Figure 1). One archaeological find lies about 60 m from the power line route but is a scatter of historical ceramic fragments of very low significance and requires no mitigation. All other sites are well away from the layout. The minimum distance between significant archaeological sites and the revised layout is 400 m (Figure 2). As such, no impacts to these sites are expected at all. Because the survey aimed to visit all landscape features where archaeology would be expected and to sample the remaining parts of the landscape, a good understanding of site distribution has been gained and it is considered very unlikely that further significant resources would be present anywhere within the project site.

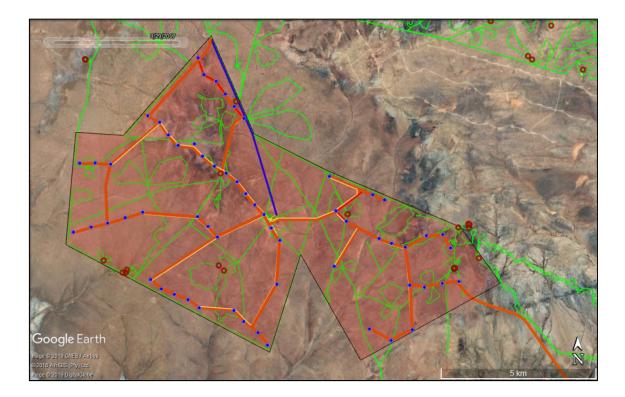
Visual impacts to the cultural landscape were also considered. Although the turbines would be equipped with longer blades (the hub height will remain the same), there will be slightly fewer of them. Given that the original turbine structures were already very tall, the increase in height will not make much difference. The reduction in turbine numbers is therefore considered to be a positive aspect.

The proposed amendments will not affect the nature or significance of the impacts previously assessed. No additional fieldwork or reporting is required to assess the proposed amendments, and all mitigation measures previously recommended remain valid. I therefore support the amendment of the environmental authorisation but, once more, subject to the following conditions as contained in the original assessment:

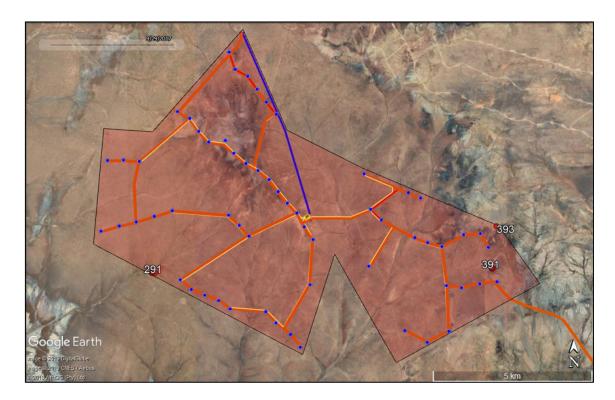
- If there are any further changes to the layout then these should be evaluated by an archaeologist. If ٠ any mitigation becomes necessary this should be commissioned and completed before the start of construction; and
- If any archaeological material or human burials are uncovered during the course of development • then the find should be protected from further disturbance and work in the immediate area should be halted if necessary. The find would need to be reported to the heritage authorities and may require inspection by an archaeologist. Such heritage is the property of the state and may require excavation and curation in an approved institution.

Yours sincerely

Jayson Orton



**Figure 1:** Revised layout as contemplated in the amendment application. Blue dots denote turbines, red lines are roads, orange lines are overhead MV cabling, blue line is HV power line. Heritage resources are shown by red circles and the survey tracks are in green.



*Figure 2:* Revised layout with only the significant archaeological sites shown. Note that more than one sensitive occurrence occurs at 291 and 391.

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Enquiries: Natasha Higgitt Tel: 021 462 4502 Email: nhiggitt@sahra.org.za CaseID: 13547 Date: Thursday April 18, 2019 Page No: 1

# **Final Comment**

# In terms of Section 38(4), 38(8) of the National Heritage Resources Act (Act 25 of 1999)

Attention: Mr Richard Gordon Business Venture Investments No 1788 (Pty) Ltd

# Application for Amendment of Environmental Authorisation for the Proposed Kokerboom 1 Wind Farm on Farm Leewbergrivier (Farm no. 1163) and Remainder of Farm Kleine Rooiberg (Farm 227) near Loeriesfontein in the Northern Cape.

Aurecon South Africa (Pty) Ltd has been appointed by Business Venture Investments No. 1788 (Pty) Ltd to conduct an Environmental Authorisation (EA) Amendment Application for the authorised Kokerboom 1 Wind Energy Facility, near Loeriesfontein, Northern Cape.

A previous SAHRIS Case has reference (SAHRIS Case ID 10338 - https://sahris.sahra.org.za/cases/kokerboom-1-wef).

A draft Amendment report has been submitted in terms of the National Environmental Management Act, No 107 of 1998 (NEMA), NEMA Environmental Impact Assessment (EIA) Regulations. The proposed amendments to the authorised development include a new substation location, an increase in the rotor diameter, new construction camp/laydown area locations, 32 km of overhead MV powerlines and a new 3.3 km HV powerline. Additionally, the locations of the turbines have been altered when compared to the Final EIA on SAHRIS Case ID 10338.

In an Interim Comment issued on the 01/04/2019, SAHRA noted the Final Comment issued on 15/08/2017 on the original EA Application case for Kokerboom 1, with the following conditions:

*"If there are any changes to the layout then these should be evaluated by an archaeologist and a report must be submitted to SAHRA for comment. No construction may commence without comment from SAHRA."* 

As the proposed amendments to the authorized include changes to the footprint of the turbines, SAHRA requested that the condition provided in the Final Comment referenced above be completed as part of the EA Amendment Application.

Since the issuing of the Interim Comment, a Heritage Comment on the revised layout as per the proposed



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Enquiries: Natasha Higgitt Tel: 021 462 4502 Email: nhiggitt@sahra.org.za CaseID: 13547 Date: Thursday April 18, 2019 Page No: 2

amendments has been submitted.

# Orton, J. 2019. Amendment to Environmental Authorisation for Kokerboom 1 Wind Energy Facility: Heritage Comment.

The specialist notes that the new layout respects all known heritage resources and that the palaeontological specialist had previously showed that the development footprint is of low palaeontological sensitivity and no areas required avoidance. The adjusted layout shows that one archaeological site will be 60 m from a turbine but will not be directly impacted. It is considered very unlikely that further significant resources would be present anywhere within the project site. As there will be a reduction in the turbine number and is therefore considered to be a positive aspect.

Recommendations provided in the comment include the following:

- All mitigation measures previously recommended remain valid;
- If there are any further changes to the layout then these should be evaluated by an archaeologist. If any mitigation becomes necessary, this should be commissioned and completed before the start of construction; and
- If any archaeological material or human burials are uncovered during the course of development, then the find should be protected from further disturbance and work in the immediate area should be halted if necessary. The find would need to be reported to the heritage authorities and may require inspection by an archaeologist. Such heritage is the property of the state and may require excavation and curation in an approved institution.

# **Final Comment**

The SAHRA Archaeology, Palaeontology and Meteorites (APM) Unit has no objections to the proposed amendments to the development and supports the recommendations of the specialists. The recommendations of the specialist and the following conditions must be included in the EMPr:

- The Final Comment issued for the original EA application on SAHRIS Case ID 10338 remains valid and must be adhered to;
- The Final Amendment Report and EMPr must be submitted to SAHRA for record purposes;
- If any evidence of archaeological sites or remains (e.g. remnants of stone-made structures, indigenous

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Enquiries: Natasha Higgitt Tel: 021 462 4502 Email: nhiggitt@sahra.org.za CaseID: 13547 Date: Thursday April 18, 2019 Page No: 3

ceramics, bones, stone artefacts, ostrich eggshell fragments, charcoal and ash concentrations), fossils or other categories of heritage resources are found during the proposed development, SAHRA APM Unit (Natasha Higgitt/Phillip Hine 021 462 5402) must be alerted as per section 35(3) of the NHRA. If unmarked human burials are uncovered, the SAHRA Burial Grounds and Graves (BGG) Unit (Thingahangwi Tshivhase/Mimi Seetelo 012 320 8490), must be alerted immediately as per section 36(6) of the NHRA. A professional archaeologist or palaeontologist, depending on the nature of the finds, must be contracted as soon as possible to inspect the findings. If the newly discovered heritage resources prove to be of archaeological or palaeontological significance, a Phase 2 rescue operation may be required subject to permits issued by SAHRA;

• The decision regarding the EA Application must be communicated to SAHRA and uploaded to the SAHRIS Case application.

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

Yours faithfully

Natasha Higgitt Heritage Officer South African Heritage Resources Agency

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

Our Ref:



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Enquiries: Natasha Higgitt Tel: 021 462 4502 Email: nhiggitt@sahra.org.za CaseID: 13547 Date: Thursday April 18, 2019 Page No: 4

# ADMIN:

Direct URL to case: http://www.sahra.org.za/node/521443 (SAHRA, Ref: 10338)

Terms & Conditions:

- 1. This approval does not exonerate the applicant from obtaining local authority approval or any other necessary approval for proposed work.
- 2. If any heritage resources, including graves or human remains, are encountered they must be reported to SAHRA immediately.
- 3. SAHRA reserves the right to request additional information as required.

# Franci Gresse

From:	Lizell Stroh <strohl@caa.co.za></strohl@caa.co.za>
Sent:	Wednesday, March 6, 2019 11:56 AM
То:	Pearl Rakeepile; Zoë Palmer
Cc:	Franci Gresse
Subject:	RE: Kokerboom 1 and Kokerboom 2 Wind Energy Facilities near Loeriesfontein
Attachments:	Property boundarie co-ordinates.xls; Pylon Geographic co ordinates.xls; Information
	template Windfarms Development around Aerodromes.docx

The S. A. Civil Aviation Authority has taken note of your intention to develop a wind farm and requires the following information in order to assess the possible impact on aviation.

- An formal application via Form CA139-26 Wind Farm application, available electronically from the SACAA website(<u>www.caa.co.za</u>), follow link "Information for the industry" drop down list Obstacles- Forms.
- Completion of the attached Excel spreadsheet Property boundaries co -ordinates.
- Completion of the attached Pylon geographic co-ordinates. Should these co-ordinates not be available at this stage, an indication of the planned route of the power evacuation lines to the point of connection with the national grid.
- A live .kmz file(Google Earth or similar) indicating proposed planned turbine layout.

In order to assist with the DEA process, the SACAA will, subject to the proposed wind farm not presenting a hazard, issue a "in principle" conditional approval on the receipt of the planned turbine layout which will be subjected to an in depth assessment accordance with the Civil Aviation Technical Standards. Should the turbine layout change from that which has been provided initially, a new assessment would be required to be conducted. Kindly note, that the conditional approval will be valid for a period of 5 years from date of issue. On completion of the project and receipt of "as built" detail and a statement of compliance to specified conditions, the SACAA will provide a final approval. As the proposed site may be adjacent to areas of military interest, the SAAF will be included in the request for review, once the proposed site and wind farm information is made available for assessment. The SACAA refrains from commenting on a proposal, but will either conditionally support or disapprove the project; from an aviation perspective should the project create a hazard or obstacle to aviation in the area of the project.

Following the receipt of the information, an invoice to cover the assessment will be generated and becomes payable before the assessment results will be released.

Kind regards

Lizell Stroh Obstacle Inspector PANS-OPS (Procedures for Air Navigation Services-Aircraft Operations) Air Navigation Services Tel: 011 545 1232 | Fax: 011 545 1451 | Email: strohl@caa.co.za | www.caa.co.za

Follow us on 🕒 🖪 in 🧿

From: Pearl Rakeepile [mailto:Pearl.Rakeepile@aurecongroup.com]
Sent: Tuesday, 05 March 2019 17:53
To: Zoë Palmer <Zoe.Palmer@aurecongroup.com>
Cc: Franci Gresse <Franci.Gresse@aurecongroup.com>
Subject: Kokerboom 1 and Kokerboom 2 Wind Energy Facilities near Loeriesfontein

Dear Sir/Madam

This email serves to inform you that Business Venture Investments No. 1788 (Pty) Ltd (BVI) is proposing to amend the EAs for the Kokerboom 1 and Kokerboom 2 WEFs and has appointed Aurecon to manage the part 2 amendment process in terms of the 2014 EIA Regulations (GN R982 of 2014) pursuant to the National Environmental Management

Act (Act 107 of 1998) (NEMA). The process requires that any person affected by or interested in the project are informed about the proposed project and must be invited to provide input throughout the study.

This email is therefore an invitation to all interested and affected parties (I&APs) to submit any comments, questions and/or concerns to the project team in relation to the content of the Amendment Report. Comments will be accepted during the 30-day public comment period between **06 March 2019 and 08 April 2019**.

Kindly find attached a notification letter which provides more information on the availability of the Draft Amendment Reports. Alternatively, click <u>here</u> to access the reports on Dropbox.

For further information, please do not hesitate to contact the Aurecon Team.

Kind Regards

Pearl Rakeepile Consultant, Environment and Planning, Aurecon T +27 21 5266044 Pearl.Rakeepile@aurecongroup.com

## aurecongroup.com



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# Franci Gresse

From:	John Geeringh <geerinjh@eskom.co.za></geerinjh@eskom.co.za>
Sent:	Friday, March 29, 2019 10:52 AM
То:	Pearl Rakeepile; Zoë Palmer
Cc:	Franci Gresse
Subject:	RE: Kokerboom 1 and Kokerboom 2 Wind Energy Facilities near Loeriesfontein
Attachments:	Eskom requirements for work in or near Eskom servitudes WIND (3).doc; Renewable
	Energy Generation Plant Setbacks to Eskom Infrastructure Rev1 - signed.pdf

Should any amendments be effected to the size or number of turbines as well as turbine positions, please take note of the attached Eskom requirements as well as the setbacks required from Eskom infrastructure.

Kind regards

John Geeringh (Pr Sci Nat) Senior Consultant Environmental Management Group Capital Division: Land Development and Management Megawatt Park, D1Y42, Maxwell Drive, Sunninghill, Sandton. P O Box 1091, Johannesburg, 2000. Tel: 011 516 7233 Cell: 083 632 7663 Fax: 086 661 4064 E-mail: john.geeringh@eskom.co.za



From: Pearl Rakeepile [mailto:Pearl.Rakeepile@aurecongroup.com]
Sent: 29 March 2019 10:16 AM
To: Zoë Palmer
Cc: Franci Gresse
Subject: RE: Kokerboom 1 and Kokerboom 2 Wind Energy Facilities near Loeriesfontein

Dear Sir/Madam

Our communication of 5 March 2019 regarding the availability of the Amendment Reports for Kokerboom 1 and Kokerboom 2 Wind Energy Facilities has reference.

Please note that the closure date for the submission of comments ends on 8 April 2019.

Should you have any queries, please do not hesitate to contact us

Kind Regards

Pearl Rakeepile Consultant, Environment and Planning, Aurecon T +27 21 5266044 Pearl.Rakeepile@aurecongroup.com

## DISCLAIMER

From: Pearl Rakeepile
Sent: 5 March, 2019 5:52 PM
To: Zoë Palmer <Zoe.Palmer@aurecongroup.com>
Cc: Franci Gresse <Franci.Gresse@aurecongroup.com>
Subject: Kokerboom 1 and Kokerboom 2 Wind Energy Facilities near Loeriesfontein

Dear Sir/Madam

This email serves to inform you that Business Venture Investments No. 1788 (Pty) Ltd (BVI) is proposing to amend the EAs for the Kokerboom 1 and Kokerboom 2 WEFs and has appointed Aurecon to manage the part 2 amendment process in terms of the 2014 EIA Regulations (GN R982 of 2014) pursuant to the National Environmental Management Act (Act 107 of 1998) (NEMA). The process requires that any person affected by or interested in the project are informed about the proposed project and must be invited to provide input throughout the study.

This email is therefore an invitation to all interested and affected parties (I&APs) to submit any comments, questions and/or concerns to the project team in relation to the content of the Amendment Report. Comments will be accepted during the 30-day public comment period between **06 March 2019 and 08 April 2019**.

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For further information, please do not hesitate to contact the Aurecon Team.

Kind Regards

Pearl Rakeepile Consultant, Environment and Planning, Aurecon T +27 21 5266044 Pearl.Rakeepile@aurecongroup.com

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# Franci Gresse

From:	Serame Motlhake <motlhakes@sentech.co.za></motlhakes@sentech.co.za>
Sent:	Thursday, April 11, 2019 2:37 PM
То:	Franci Gresse
Cc:	Pearl Rakeepile
Subject:	RE: Kokerboom 1 and Kokerboom 2 Wind Energy Facilities near Loeriesfontein
Importance:	High

Dear Franci,

I send an email on Monday however the address was incorrect. Apologies.

Herewith is the information required for us to comment.

1. A preliminary study to be conducted and a quotation for a detailed study. A .kml with wind turbine positions is required for this purpose;

2. We will conduct the preliminary study of the wind farm location to determine how many terrestrial transmitter stations might be effected. Based on the findings we will forward the man-hours required for the study to our Marketing and Sales Division who will then issue a quotation;

3. Once the amount is settled an interference investigation study will be conducted. The results and findings will be compiled in an interference assessment report. If the findings indicate that the interference area and number of people affected is acceptable a conditional letter of approval will be provided.

- 4. The following information is required for the detailed study:
- Latest .KML WTG layout of the wind farm;
- Number of wind turbines (please provide the total number of wind turbines)
- Height of wind turbine up to the hub;
- Length of wind turbine blade;
- Maximum blade width;
- Diameter of tower at base;
- Diameter of tower below hub;
- 5. Demarcated map indicating wind turbine positions and wind farm boundary areas.

# Regards,

# Serame

From: Franci Gresse [mailto:Franci.Gresse@aurecongroup.com]
Sent: 11 April 2019 02:35 PM
To: Serame Motlhake <MotlhakeS@sentech.co.za>
Cc: Pearl Rakeepile <Pearl.Rakeepile@aurecongroup.com>
Subject: FW: Kokerboom 1 and Kokerboom 2 Wind Energy Facilities near Loeriesfontein

# Dear Mr Motlhake

Our conversation last week regarding SENTECH's comments on the proposed amendments to the Kokerboom 1 and Kokerboom 2 Wind Energy Facilities has reference.

We are in the process of finalising the reports for submission to the Department of Environmental Affairs and would appreciate if you could please indicate if SENTECH will be providing comments.

Kind regards Franci

Franci Gresse Senior Consultant, Environment and Planning, Aurecon T +27 21 5266022 F +27 86 7231750 Franci.Gresse@aurecongroup.com

## **DISCLAIMER**

From: Pearl Rakeepile
Sent: Tuesday, March 5, 2019 5:53 PM
To: Zoë Palmer <<u>Zoe.Palmer@aurecongroup.com</u>>
Cc: Franci Gresse <<u>Franci.Gresse@aurecongroup.com</u>>
Subject: Kokerboom 1 and Kokerboom 2 Wind Energy Facilities near Loeriesfontein

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For further information, please do not hesitate to contact the Aurecon Team.

Kind Regards

Pearl Rakeepile Consultant, Environment and Planning, Aurecon T +27 21 5266044 Pearl.Rakeepile@aurecongroup.com

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