



## environmental affairs

Department:  
Environmental Affairs  
REPUBLIC OF SOUTH AFRICA

### DETAILS OF THE SPECIALIST, DECLARATION OF INTEREST AND UNDERTAKING UNDER OATH

(For official use only)

File Reference Number:  
NEAS Reference Number:  
Date Received:

DEA/EIA/

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

#### PROJECT TITLE

**Rietkloof Wind Farm and associated infrastructure including power line near Matjiesfontein, Western Cape Province**

#### Kindly note the following:

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5. All EIA related documents (includes application forms, reports or any EIA related submissions) that are faxed; emailed; delivered to Security or placed in the Departmental Tender Box will not be accepted, only hardcopy submissions are accepted.

#### Departmental Details

##### Postal address:

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

##### Physical address:

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

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

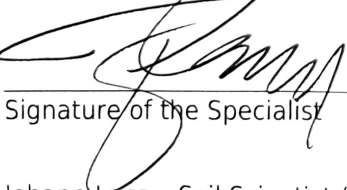
**1 SPECIALIST INFORMATION**

Specialist Company Name:	Johann Lanz – Soil Scientist		
B-BBEE	Contribution level (indicate 1 to 8 or non-compliant)	4	Percentage Procurement recognition
			100%
Specialist name:	Johann Lanz		
Specialist Qualifications:	M.Sc. (Environmental Geochemistry)		
Professional affiliation/registration:	Registered Professional Natural Scientist (Pr.Sci.Nat.) Reg. no. 400268/12 Member of the Soil Science Society of South Africa		
Physical address:	1a Wolfe Street, Wynberg, Cape Town, 7800		
Postal address:	1a Wolfe Street, Wynberg, Cape Town, 7800		
Postal code:	7800	Cell:	082 927 9018
Telephone:	082 927 9018	Fax:	Who still uses a fax? I don't
E-mail:	johann@johannlanz.co.za		

**2. DECLARATION BY THE SPECIALIST**

I, **Johann Lanz**, declare that -

- I act as the independent specialist 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 the specialist report relevant to this application, 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 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;
- 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 48 and is punishable in terms of section 24F of the Act.

  
Signature of the Specialist

Johann Lanz – Soil Scientist (sole proprietor)

Name of Company:

22 November 2021  
Date

**3. UNDERTAKING UNDER OATH/ AFFIRMATION**


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

  
Signature of the Specialist

Johann Lanz – Soil Scientist (sole proprietor)

Name of Company

22 November 2021  
Date

  
Signature of the Commissioner of Oaths

2021-11-22  
Date



## 2 SPECIALIST DECLARATION



**environmental affairs**

Department:  
Environmental Affairs  
REPUBLIC OF SOUTH AFRICA

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### PROJECT TITLE

**EA AMENDMENT: RIETKLOOF WIND ENERGY FACILITY, NORTHERN CAPE PROVINCE - AVIAN SPECIALIST REPORT – 2021**

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Email: [EIAAdmin@environment.gov.za](mailto:EIAAdmin@environment.gov.za)



## Specialist Details

Specialist Company Name:	Birds & Bats Unlimited			
B-BBEE	Contribution level (indicate 1 to 8 or non-compliant)	4	Percentage Procurement recognition	100
Specialist name:	Dr Robert E Simmons			
Specialist Qualifications:	PhD (Wits), MSc (Acadian Univ, Canada), BSc Hons (London)			
Professional affiliation/registration:	Birdlife South Africa, Honourary Research Associate University of Cape Town			
Physical address:	8 Sunhill Estate, Trigg Road, Capri, Cape Town			
Postal address:	As above			
Postal code:	7975	Cell:	0827 800 133	
Telephone:	As above	Fax:		
E-mail:	Rob.Simmons@uct.ac.za			

### 2.1 DECLARATION of INDEPENDENCE by the SPECIALIST

I, Dr Rob Simmons, declare that –

- I act as the independent specialist 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 the specialist report relevant to this application, including knowledge of the Act, Regulations and any guidelines that have relevance to the proposed activity;
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- 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;
- 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 48 and is punishable in terms of section 24F of the Act.



Signature of the Specialist

**Birds & Bats Unlimited**

Name of Company:

**1 December 2021**

Date



**2.2 UNDERTAKING UNDER OATH/AFFIRMATION**

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



---

Signature of the Specialist

**Birds & Bats Unlimited**

---

Name of Company

**1 December 2021**

---

Date

**Signature of the Commissioner of Oaths**

**Date**





## environmental affairs

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#### PROJECT TITLE

RIETKLOOF WEF: TERRESTRIAL BIODIVERSITY ASSESSMENT

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**1. SPECIALIST INFORMATION**

Specialist Company Name:	<b>Trusted Partners</b>		
B-BBEE	Contribution level (indicate 1 to 8 or non-compliant)	<b>4</b>	Percentage Procurement recognition
Specialist name:	<b>Malcolme Logie</b>		
Specialist Qualifications:	<b>BSc; BSc (Hons); MSc; PhD</b>		
Professional affiliation/registration:	<b>SACNASP Environmental Scientist Reg. EAP (EAPASA N# 2020/1403)</b>		
Physical address:	<b>27 Lighthouse Rd, Kommetjie, 7976, Cape Town</b>		
Postal address:	<b>PO Box 48148, Kommetjie, 7975, Cape Town</b>		
Postal code:	<b>7975</b>	Cell:	<b>083 655 6123</b>
Telephone:		Fax:	
E-mail:	<b>Malcolme@TrustedPartners.Africa</b>		

**2. DECLARATION BY THE SPECIALIST**

I, Dr Malcolme Logie *Malcolme Logie*, declare that –

- I act as the independent specialist 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 the specialist report relevant to this application, 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 have no, and will not engage in, conflicting interests in the undertaking of the activity;
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- 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 48 and is punishable in terms of section 24F of the Act.

*Malcolme Logie*  
 Signature of the Specialist

**Trusted Partners**

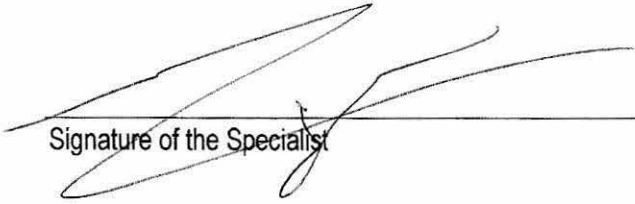
Name of Company:

2021/10/06

Date

3. UNDERTAKING UNDER OATH/ AFFIRMATION

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



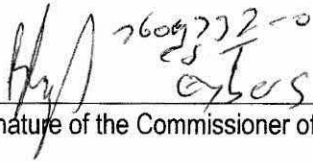
Signature of the Specialist

**Trusted Partners**

Name of Company

2021/10/06

Date

  
2609772-0  
28  
07/05

Signature of the Commissioner of Oaths

2021/10/06

Date







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#### PROJECT TITLE

**Development of a 147MW Rietkloof Wind Energy Facility and Associated Infrastructure near Maitjiesfontein in the Western Cape Province**

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## 1. SPECIALIST INFORMATION

Specialist Company Name:	JG Afrika (Pty) Ltd		
B-BBEE	Contribution level (indicate 1 to 8 or non-compliant)	1	Percentage Procurement recognition
Specialist name:	Khuthadzo Bulala		
Specialist Qualifications:	BSc Hons Geology		
Professional affiliation/registration:	Cand Sci Nat		
Physical address:	06 Pin Oak Avenue, Hilton, Pietermaritzburg		
Postal address:	06 Pin Oak Avenue, Hilton, Pietermaritzburg		
Postal code:	3245	Cell:	
Telephone:	033 343 6700	Fax:	033 343 6701
E-mail:	bulalak@jgafrika.com		

## 2. DECLARATION BY THE SPECIALIST

I, Khuthadzo Bulala, declare that –

- I act as the independent specialist 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 the specialist report relevant to this application, 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 have no, and will not engage in, conflicting interests in the undertaking of the activity;
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- 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 48 and is punishable in terms of section 24F of the Act.



Signature of the Specialist

JG Afrika (Pty) Ltd

Name of Company:

01/09/2021

Date

3. UNDERTAKING UNDER OATH/ AFFIRMATION

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



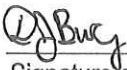
Signature of the Specialist

JG Afrika (Pty) Ltd

Name of Company

01/09/2021

Date



Signature of the Commissioner of Oaths

COMMISSIONER OF OATHS  
DAWN JANET BURGIN  
9/1/8/2 (R/O) KZN (PIETERMARITZBURG)  
6 PIN OAK AVENUE, HILTON

01/09/2021

Date

## KHUTHADZO BULALA



<b>Profession</b>	Engineering Geologist
<b>Position in Firm</b>	Engineering Geologist
<b>Area of Specialisation</b>	Geotechnical Engineering, Engineering Geology
<b>Qualifications</b>	BSc (Hons) (Geology) Cand. Sci. Nat.
<b>Years of Experience</b>	5.5 Years
<b>Years with Firm</b>	5 years

### SUMMARY OF EXPERIENCE

Khuthadzo is currently an Engineering Geologist based in the Pietermaritzburg office. She was originally employed by the Lesotho Highlands Development Authority (LHDA) as a young professional to work with JG Afrika on site, working on the geotechnical investigation for Phase II of the Lesotho Highlands Water Project. At the completion of the contract with LHDA, she joined JG Afrika as a permanent employee. Through her time on site, she gained valuable experience in site investigations, from assisting with the supervision of the contractor, profiling and logging, analysis of in-situ and laboratory testing, and reporting. She has been involved with a number of small to large scaled geotechnical investigation in KwaZulu-Natal.

### PROFESSIONAL REGISTRATIONS & INSTITUTE MEMBERSHIPS

**Cand.Sci.Nat.** - Registered as a Candidate Natural Scientist with the South African Council for Natural Scientific Professions (SACNASP) - Registration No 116482

### EDUCATION

2007 – **Matric** – Mbilwi Secondary School  
 2011 – **BSc (Geology)** – University of Johannesburg, Johannesburg  
 2013 – **BSc (Hons) (Geology)** – University of Limpopo, Polokwane

### SPECIFIC EXPERIENCE

#### JG Afrika (Pty) Ltd (Previously Jeffares & Green (Pty) Ltd)

2017 -  
**Position** – Engineering Geologist

**Nkobongweni Water Scheme** – Project manager responsible for the field investigation and report writing for the proposed water supply project. Client: Makhaotse Narasimulu and Associates (Pty) Ltd

**Koup 1 & Koup 2** – Project manager responsible for the geotechnical desktop studies for the Koup 1 and Koup 2 wind energy facilities and their associated grid components. Client: Sivest SA (Pty) Ltd.

**Mfulamuni Access Road** – Project manager responsible for the field geotechnical investigation and reporting for the re-gravelling of four access roads in Mahlaba, Pomeroy. Client: ZVK Holdings (Pty) Ltd

**Zwelisha Moyeni Waste-Water Treatment Works** – Project manager responsible for the filed investigation and the report writing for the proposed WWTW extensions. Client: JG Afrika (Pty) Ltd Water Division

**Hammersdale Waste-Water Treatment Works** – Engineering Geologist responsible for the additional field investigation and the report writing for the proposed WWTW extensions. Client: eThekweni Municipality: Water and Sanitation Division

**Emanzini Estate Geohydrology Assessment** – Engineering Geologist responsible for the hydrocensus for the soak away pits feasibility at the proposed Mt Verde Estate. Client: Emanzini Private Reserve

**Mt Verde Geohydrology Assessment** – Engineering Geologist responsible for the hydrocensus and percolation tests for the soak away pits feasibility at the proposed Mt Verde Estate. Client: Venture Partners

**Ntabamhlophe Tank** – Project manager responsible for the field investigation and the report writing for the proposed tank. Client: JG Afrika Water Division

**Kenhardt Solar PV Plant** – Project manager responsible for the field investigation and the report writing for the proposed solar PV plant. Client: Scatec Solar South Africa.

**Heidelberg Cemetery** – Project manager and field geologist responsible for the investigation and the report writing for the proposed existing Heidelberg cemetery extension. Client: Marang Environmental and Associates (Pty) Ltd

**Cornubia Fills** – Engineering geologist responsible for the field investigation and the report writing for the proposed cut and fill assessments for the Cornubia Boulevard Transit Mall development. Client: Smec

**Kokstad CRU Contamination Study** – Engineering geologist responsible for the contamination study for the Kokstad community residential units' phase 2 study. Client: Ingcweti Ace Technology

**Mandalathi Hall** – Project manager responsible for the geotechnical investigation and report writing for the proposed Mandalathi hall. Client: Dartingo Consulting Engineers (Pty) Ltd

**Umgungundlovu Landfill Site** – Engineering geologist responsible for the percussion drilling site supervision and the hydrocensus for the geohydrological assessment. Client: Séché South Africa

**Gluckstadt Water Supply Scheme** – Engineering geologist responsible for the geotechnical investigation and report writing for bulk and reticulation pipeline routes, pump stations, reservoirs and water treatment works for the proposed development. Client: SiVEST

**Agribusiness Development Agency Rabbitries** – Project manager responsible for the geological investigation and report writing for five ADA Rabbitries development. Client: JG Afrika Agricultural Department. Client: JG Afrika Agricultural Department

**Alfred Duma Cemetery** – Engineering geologist responsible for writing the site selection desktop study report for eight sites in the Alfred Duma Municipality. Client: Ziphelele Planning and Environmental Consultancy

**Eskom Radio Towers** – Engineering geologist responsible for the field investigation and report writing for nine Eskom Towers in Eastern Cape. Client: Eskom

**220 Murray Road** – Project manager, responsible for managing field investigation (conducted by Muhammad Osman) and writing an infill geotechnical investigation report for a multi-story development in Hayfields. Client: Green Door Environmental

**Giba Industrial Development** – Engineering geologist responsible for the field investigation for Giba Industrial Development and assisted with the Geotech report. Client: Sultex Holdings (Pty) Ltd

**Rietfontein Dam Geotechnical Investigation** – Project manager, field geologist involved with the geotechnical investigations and reporting for the founding conditions and material investigation of the proposed Rietfontein Dam in Eastern Cape. Client: Calvus Properties Client:

**Kirkwood Borrow pit and Retaining Walls** – Engineering geologist involved in the geotechnical investigation and reporting for the borrow pit and retaining wall foundations of the proposed R336 Road Upgrade. Client: Royal Haskoning

**83 West Street** – Project manager, field geologist involved with the geotechnical investigations and report writing. Client: Private Developer

**Eastwood Pedestrian Bridge** – Project manager, field geologist involved with the geotechnical investigations and report writing. Client: High End Construction

**N3 Quarry Logging** – Geologist involved in the geotechnical logging of quarries between Durban and Pietermaritzburg, Client: South African National Road Agency Limited

**N2 Kangela to Pongola Borrow Pit Geotechnical Investigations** – Assisted with the geotechnical report, Client: South African National Road Agency Limited

**N2 Kangela to Pongola Road Widening Geotechnical Investigations** – Assisted with the geotechnical report, Client: South African National Road Agency Limited

**Gowrie Farm Stand No.295 Geotechnical Investigations** – Project manager, field geologist involved with the geotechnical investigations and report writing. Client: Delute Construction

**45 Richard Carte Road** – Geologist involved with the field investigations for the refurbishment of the warehouse. Client: T2 Design Lab

**Darvil Sludge Dam** – Geologist involved with the field investigations for the founding conditions, slope stability and materials investigations. Client: Umgeni Water

**Acaciavale Landfill Closure Geotechnical Investigation-** Geologist involved in the field investigation and the report writing. Client: Alfred Duma Municipality

**Ntaba Ridge Plots Geotechnical Investigation-** Project manager, field geologist involved in the geotechnical investigation at several plots. Involved in trial pitting, profiling and sampling and report writing.

**Umhlatuze Cemetery Feasibility Study-** Geologist involved in the project management, desktop study report, field investigation and the report writing. Client: uMhlatuze Municipality

**Harry Gwala Irrigation Scheme –** Client: Department of Rural Development and Land Reform

- Responsible for augering, soil profiling and sampling of the soils
- Assisted with the GIS for the various proposed sites
- Report writing for the project

**Intaba Ridge Estate Landswop for Cemetery Geotech Investigation-** Field geologist and involved in trial pitting, profiling and sampling.

**Horseshoe, Mkhuphula and Nkungumathe Irrigation Scheme –** Geologist involved in soil survey and report writing. Client: Department of Rural Development and Land Reform.

**Geotechnical Investigations for Maryvale Housing-** field geologist and involved in a shallow geotechnical investigation for a housing development. Client: eThekweni Municipality

**Manzamnyama River Bridge Geotechnical Investigations – field** geologist, involved in a deep geotechnical investigation for a new bridge. Client: Naidu Consulting

**Cedara Petrol Filling Station Geotechnical Investigations-** field geologist, involved in geotechnical investigations for various structures – Involved in trial pitting, profiling, percolation testing and sampling. Client: Barco Petroleum

**Lesotho Highlands Water Project: Phase II (165m high Polihali Dam and Transfer Tunnel)-** Assisted with the geotechnical reports for the Polihali Dam Polihali Transfer Tunnel. Client: Lesotho Highlands Development Authority

**Mount Edge Combe Underpass Geotechnical Investigations-** Involved in geotechnical logging and sampling. Client: Naidu Consulting

**Lesotho Highlands Water Project: Phase II:** Site geologist for one year based at the Polihali Dam and Transfer Tunnel site in Lesotho. Assisted with the geotechnical rotary core logging of boreholes drilled across the various proposed dam and transfer tunnel design components. Gained valuable experience in logging of the Lesotho Basalts. Client: Lesotho Highlands Development Authority

### **Lesotho Highlands Development Authority**

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**Mar 2016-Aug 2016**

**Position –** Engineering Geologist Intern

**Lesotho Highlands Water Project: Phase II Engineering Geologist Intern at the Polihali Dam Site in Lesotho,** seconded to JG Afrika, assisting supervising the LHDA Contract 4016, Polihali Dam and Transfer

Tunnel Geotechnical Investigation. Assisted with borehole logging, and supervision and administration of the rotary core drilling investigation. Client: Lesotho Highlands Development Authority

**While seconded to JG Afrika:**

**Albert Falls:** - field geologist involved in geotechnical investigations for a pipeline. Involved in trial pitting, profiling and sampling. Client: BVI Consulting Engineers

**Umlazi Housing:** field geologist involved in geotechnical investigations for various structures. Involved in trial pitting, profiling and sampling. Client: BVI Consulting Engineers

**South Coast National Route R61:** Assistant field geologist involved in geotechnical investigations. Client: South African National Road Agency Limited

## PERSONAL DETAILS

Nationality – South African

Date of Birth – 1990-03-30

Domicile – Thohoyandou, South Africa

### Languages

English – Good

English - Very Good

Tshivenda - Very Good

Sesotho - Good

Setswana - Good

Sepedi - Good





# UNIVERSITY OF LIMPOPO

WE,  
THE UNDERSIGNED,  
HEREBY CERTIFY THAT

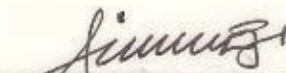
BULALA KHUTHADZO  
(201213617)

HAS BEEN AWARDED THE DEGREE

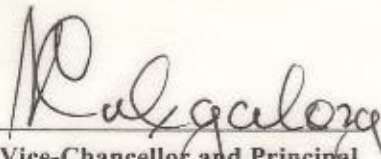
*Bachelor of Science Honours*

AT A CONGREGATION OF THE UNIVERSITY



  
Executive Dean

  
Registrar

  
Vice-Chancellor and Principal

24 MAY 2013

**herewith certifies that**

**Khuthadzo Bulala**

Registration Number: 116482

**is a registered scientist**

in terms of section 20(3) of the Natural Scientific Professions Act, 2003  
(Act 27 of 2003)  
in the following field(s) of practice (Schedule 1 of the Act)

Geological Science (Candidate Natural Scientist)

Effective **9 November 2016**

Expires **31 March 2022**

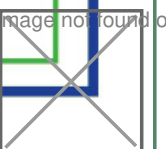


*Botha*

Chairperson

*M. J. ...*

Chief Executive Officer



## JAMES THOMAS MAXWELL (TOM) SPEIRS



<b>Profession</b>	Geologist
<b>Position in Firm</b>	Senior Associate
<b>Area of Specialisation</b>	Geotechnical/ Engineering Geology
<b>Qualifications</b>	Pr.Sci.Nat., BSc
<b>Years of Experience</b>	35 Years
<b>Years with Firm</b>	32 Years

### SUMMARY OF EXPERIENCE

Tom Speirs has thirty-four years of experience in the fields of engineering geology, geotechnical and materials engineering. He has undertaken geotechnical, geological and materials work throughout Southern Africa, East, West and Central Africa, Madagascar and eastern Australia.

His responsibilities have included all phases of projects from preparing initial proposals and cost estimates through the review and investigation stages to the compilation of completion reports, as well as providing technical input during construction.

He currently manages the technical aspects of the geotechnical division in the Pietermaritzburg branch, including mentorship of subordinates, peer review and quality control.

His fields of expertise include road and dam geotechnical investigations, foundations, identification of construction material sources, slope stabilisation, engineering geological and land utilisation mapping.

### PROFESSIONAL REGISTRATIONS & INSTITUTE MEMBERSHIPS

**Pr Sci Nat-** Registered with the South African Council for Natural Scientific Professions (SACNASP) - Registration No. 400104/94.

**NHBRC** Registered with the National Home Builders Registration Council (NHBRC) as a competent person (geotechnical). Registration No. 601708.

### EDUCATION

1984 – Bachelor of Science – University of Natal

### SPECIFIC EXPERIENCE

#### JG Afrika (Pty) Ltd

**2014 to Date**

**Position** - Senior Associate

**Anadarko LNG Project** - Geotechnical investigations for infrastructure development for the Anadarko liquified natural gas (LNG) project near Palma, Mozambique. Client: WBHO.

**Usuthu Dam** – Reconnaissance and co-ordination of geotechnical investigations for an off-channel storage dam near Nongoma. Client: RAWs Consulting Engineers

**Moses Mabhida Road** – Temporary support assessments of a rail embankment for the widening of Moses Mabhida Road in Pietermaritzburg. Client: SiVest.

**Varies Geotechnical Investigations for Developments** – including a multi-purpose sports centre in Matatiele, pump-stations for the Mkhupula and Nkungumathe irrigations schemes, multi-storey residential blocks on a site with perched groundwater conditions at Berkshire Downs. Client: Various.

**Various SANRAL projects** - Co-ordinating and managing geotechnical and materials investigations on national roads projects, including National Route 2 Section 27 between Ballito and the Umvoti Toll Plaza, National Route 2 Sections 30, 31 and 32 between Kangela and Pongola. Slope stability assessments on National Route 2 Section 3 between Caledon and Riviersonderend. Client: SANRAL.

**Rietvallei to Mamelodi** - Conducting infill geotechnical investigations for the 1.2m diameter pipeline from Rietvallei to Bronberg Reservoir and the 1.4m diameter pipeline from Bronberg to Mamelodi. Client: Rand Water.

**Grootgeluk Coal Mine** - Geotechnical investigations for strategic coal stockpiles at the Grootgeluk Coal Mine, Lephhalale. Client: Exxaro.

**Main Road 7 Section 4** - Geotechnical assessment of fill instability on Main Road 7 Section 4, near Underberg. Client: Emzansi Engineers.

**Maputo and Tembe River Dam Site Investigations** - Reconnaissance of potential dam sites on the Maputo and Tembe Rivers in Maputo Province and the Monapo River in Nampula Province, Mozambique. Client: Conseng.

**Maputsoe Urban Roads** - Investigations to identify sources of construction materials for the upgrading of the Maputsoe Urban Roads in Lesotho. Client:

**Stephen Dlamini Dam** - *Ad hoc* investigations to identify potential dam and road construction materials for the construction of the Stephen Dlamini Dam, near Bulwer, KZN. Client: Ubambiswano Projects.

**Polihali Dam and Polihali to Katse Transfer Tunnel** - *Ad hoc* support on the geotechnical investigations for the Polihali Dam and Polihali to Katse Transfer Tunnel, forming part of the Phase 2 Lesotho Highlands Water Project. Client: LHDA.

**Greater Paninkuku Dam, Cabhane Weir and Kilmon Dam** - Geotechnical investigations for the proposed Greater Paninkuku Dam, Cabhane Weir and Kilmon Dam in KZN. Client: Ubambiswano Projects.

**Mzimvubu Water Project** - Detailed feasibility geotechnical investigations for the Laleni Dam, Tunnel and Hydropower Scheme, which forms part of the Mzimvubu Water Project in the Eastern Cape. Client: DWAF.

**Matimba Power Station** - Geotechnical stability investigations for the proposed raising and extension of an existing ash discard dump at the Matimba Power Station, near Lephhalale, Limpopo. Client: RHDHV



**Various** - Geotechnical investigations for housing and commercial developments comprising single and multi-storey buildings, including a four-storey staff housing complex in the Estcourt Prison and the three-storey Hilton Life Hospital expansion. Client: Various.

**Various** - Geotechnical investigations for water and sewer reticulation, including the Mandlakazi Bulk Water Supply Scheme, the Mimosadale Water Supply Scheme, Impendle Village waste-water treatment works and outfall sewer, the tertiary pipelines and reservoirs forming part of the Metolong Dam Water Supply Programme in Lesotho. Client: Various

**Various** - Road construction materials assessments for the EN4 near Maputo in southern Mozambique and the EN1 between Muepane and Quissanga, northern Mozambique. Client: WBHO

**2012 to 2014**

**Position** – Associate

**Mzimvubu Water Project** - Geotechnical suitability assessments of three shortlisted dam sites on the Mzimvubu Water Project in the Eastern Cape. Subsequent feasibility level geotechnical investigations of the selected Ntabelanga dam site. Client: DWAF

**Kalia Iron Ore Mine to Yomboyelli** - Materials assessments for a 280km haul route from the Kalia Iron Ore Mine to Yomboyelli in Guinea. Client: WBHO.

**Mapochs Mine** - Geotechnical investigation of embankment distress and stability of Silt Paddocks 16 and 17 at the Mapochs Mine, near Roosenekal. Client: EVRAZ Highveld Steel & Vanadium..

**Ubombo Sugar Mill and Big Bend Station** - Geotechnical and materials investigations for the 16.5km railway line between the Ubombo Sugar Mill and Big Bend Station in Swaziland- Client: Swaziland Railways.

**Noblesfontein Wind Power Plant** - Geotechnical investigations for the proposed 75MW Noblesfontein Wind Power Plant near Victoria West in the Northern Cape. Client: Gestamp Wind.

**Upington Airport Solar Project** - Geotechnical investigation for the proposed 10MW PV power plant for the Upington Airport Solar Project. Client: Pele Green Energy

### **Jeffares & Green (Pty) Ltd**

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**2008 to 2012**

**Position-** Secondment to Bergstan Gauff Jeffares & Green Dikgatlong Dam Project Joint Venture

**Dikgatlong Dam** - Resident engineering geologist / materials engineer on the construction of the Dikgatlong Dam in Botswana- a 4.6km long by 41m high zoned earth-fill dam with a full supply storage capacity of 400 million m<sup>3</sup>. Duties included the evaluation of embankment foundations, foundation grouting, geological mapping, excavation classification, sourcing of construction materials, instrumentation, quality control and construction monitoring. Client: Botswana Department of Water Affairs.

### **Jeffares & Green (Pty) Ltd**

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**2001 to 2008**

**Position-** Associate

**Water Pipeline between Benoni and Mamelodi** - Geotechnical investigations for the duplication of the water pipeline between Benoni and Mamelodi, east of Pretoria. A significant proportion of the route is underlain by dolomite. Client: Rand Water.

**Various** - Geotechnical investigations for numerous residential and commercial developments in KZN, Client: Various.

**Teekloof and Verlatekloof Passes** - Rock slope stability analyses of the Teekloof and Verlatekloof passes in the Northern Cape, Client: Northern Cape Department of Transport.

**Various** - Reconnaissance and initial geotechnical investigations of potential dam sites for the Lesotho Lowlands Water Supply Scheme. Co-ordinated the geotechnical investigation of two weir sites and an off-channel storage dam on the Black Mfolozi River, near Nyokeni in northern KZN. Client: Various

**Kembe Hydro-Electric Power Plant** - Preliminary geotechnical investigations for the Kembe hydro-electric power plant in the Central African Republic.

**Various** - Geotechnical and materials investigations for the rehabilitation of National Route 2 Section from the Pongola River to Pongola town, the N6/8 near Bloemfontein, Main Road 19 between Bhunya and Sandlane in Swaziland and the construction of a new a mine haul road for QMM in eastern Madagascar, Client: SANRAL, Swaziland Roads Department, QMM.

**Hlabisa / Thuni Dams** - Geotechnical investigations for the Hlabisa Dam in northern KZN and the Thuni Dam in north eastern Botswana, Client: KZN DOT, Botswana Department of Water affairs.

**Roads in the Shinyanga Region** - Conducted materials investigations for roads in the Shinyanga region of Tanzania, including roads from Shinyanga to Jomu, Jomu to Isaka and Jomu to Nzega. Client: Grinaker-LTA.

**MR235/1 between Nkangala and Hlabisa** - Assistant Resident Engineer on the contract for the construction of MR235/1 between Nkangala and Hlabisa in northern KwaZulu-Natal. Duties included contract monitoring and administration, materials assessment and verification, slope stability assessments, co-ordination of laboratory testing and community liaison. Also undertook the geotechnical and materials investigations for MR235/2 between Hlabisa and Bazini Client: KZNDOT

**Buhemba Mine** - Tailings dam investigation for the Buhemba Mine in Tanzania, Client: Merrameta

**Victoria Road in the Cape Peninsula** - Slope stability assessments along Victoria Road in the Cape Peninsula, Client: PAWC

### **Jeffares & Green (Pty) Ltd**

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**1999 to 2001**

**Position-** Senior Engineering Geologist

**Various** - Geotechnical and materials investigations for the upgrading of the Kei Cuttings in the Eastern Cape, the road between Nhlanguano and Sicunusa in Swaziland, the John Ross Highway between Empangeni and Richards Bay, P102 south of Pretoria, the N7 north of Cape Town, Victoria Road between Camps Bay and Llandudno, Khetha Road in Mpendle, R56 near Rietvlei in southern KZN, D81 in Swaziland and the road between Chiweta and Karonga in Northern Malawi. Conducted regional studies to locate potential gravel materials for road construction, either usable naturally or by means of blending, on the

Cape West Coast, the Stormberg region of the Eastern Cape and in northern KZN. Compiled a database of gravel road construction materials for the West Coast District. Client: Various.

**Various** - Geotechnical foundation assessments for buildings, commercial developments and bridges. Client: Various

**Various** - Geotechnical assessments of structural distress in buildings for insurance claim loss adjustments. Client: Mutual & Federal

**Ramotswa Regional Landfill** - Conducted the geotechnical investigations for the Ramotswa Regional Landfill in southern Botswana. Included a preliminary assessment to locate candidate sites, ranking, final selection and detailed investigation of the selected site. Client: Group Consult Botswana.

**Gold Mines in the Geita and Musoma areas** - Geotechnical investigations for infrastructure developments of gold mines in the Geita and Musoma areas of northern Tanzania. Duties included geotechnical assessments for access roads, processing plants, tailing dams and shaft stability. Client: Merrameta.

### **Coffey Geosciences (Pty) Ltd (Australia)**

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**1998 to 1999**

**Position-** Senior Engineering Geologist

**Northside Storage Tunnel** - Co-ordinated the geotechnical investigations and undertook core logging for the Northside Storage Tunnel in North Sydney.

Slope stability assessments in Sydney.

Geotechnical foundation assessments for building developments in Sydney.

Suitability assessment of materials for dam construction near Kempsey, NSW.

Stability assessment of rock face at McCaffery's Hill, Pyrmont and a latite rock cutting at Kiama.

### **Jeffares & Green (Pty) Ltd**

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**1997 to 1998**

**Position-** Senior Engineering Geologist

**Hillendale Mine** - Geotechnical investigations for the Hillendale Mine near Richards Bay, including assessments for internal roads, founding conditions for a primary processing plant and a residue disposal dam. Client: Knight Piesold.

**Various** - Feasibility assessments of potential construction material sources for the Platinum Highway between Rustenburg and the Botswana border. Materials investigation for the reconstruction of the N10, near Middleton in the Eastern Cape. Client: Platinum Toll Concession, SANRAL.

**Various** - Bridge foundation and quarry investigations for the N11 near Newcastle, northern KZN. Investigations for bridge foundations, approach roads and borrow pits near Francistown, Botswana. Client: SANRAL, Botswana DOT.

**Various** - Geotechnical foundation investigations for various building structures throughout South Africa and Botswana, including site classifications according to the National Home Builders Registration Council. Client: Various.

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### **Knight Piesold (Pty) Ltd.**

**1996 to 1997**

**Position-** Senior Engineering Geologist

**Nhlangano to Lavumisa** - Geotechnical and materials investigation for the upgrading of the 87km road between Nhlangano to Lavumisa in Swaziland. Client: Swaziland Roads Department

**Various** - Foundation investigations for schools, residential complexes and a water treatment plant in Gauteng and the North-West Province. Client: Various.

**Mine Tailings Dams and a Discard Dump** - Geotechnical investigations for mine tailings dams and a discard dump in Mphumalanga and KZN. Client: ERGO, Ingwe.

**Proposed Dam Site at Masunga** - Geotechnical investigation of a proposed dam site at Masunga, in the North-East District of Botswana. Site found to be geotechnically unsuitable. Then undertook the preliminary geotechnical investigation of the Ntimbale dam site, near Francistown, including the dam centre-line investigation, sourcing of construction materials and investigations for appurtenant works. Client: Botswana Department of Water Affairs

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### **Jeffares & Green Inc.**

**1987 to 1996**

**Position-** Engineering Geologist

**Durban Southern Gateway** - Undertook the monitoring and supervision of the geotechnical drilling contract on the Durban Southern Gateway project, including core logging and assessment of founding conditions for bridges and road embankments on deep estuarine sediments. Client: SANRAL

**Various** - Monitoring, stability and settlement analyses of embankments, including a number of road embankments and bridge approaches overlying deep, compressible estuarine and alluvial deposits along the KZN coast and in Gauteng. Client: SANRAL, KZN DOT, PPC Cement

**South-Western Outfall Sewer** - Contract supervision of piling for a pump station and bridge located on dolomite for the South-Western Outfall sewer, south of Johannesburg. Involved the on-site analysis of percussion drilling results to determine optimum pile founding depths and the monitoring of pile installations. Client: City of Johannesburg

**Bulk Water Supply Scheme for Mpendle** - Geotechnical feasibility investigations of potential dam sites for a proposed bulk water supply scheme for Mpendle, KZN. Included assessments of founding conditions and stability along dam centre lines and the sourcing of construction materials. Also, undertook geotechnical investigations of founding conditions for appurtenant works and the initial environmental impact assessment. Client: Umgeni Water

**South West Outfall Sewer pipeline and the Roodepoort Outfall Sewer pipeline** - Geotechnical investigations for the 2.2m diameter South West Outfall Sewer pipeline and the Roodepoort Outfall Sewer pipelines. Included specific investigations for pipe jacking beneath roads, railways and housing. Client: City of Johannesburg



**water pipeline from Brakfontein (Halfway House) to Kwaggaspoort (Pretoria)** - Geotechnical investigation for the 20km long 1.7m diameter water pipeline from Brakfontein (Halfway House) to Kwaggaspoort (Pretoria). Sections of the route underlain by dolomite. Client: Rand Water.

**Various** - Geotechnical investigations for structures, transit routes and buildings on problem soils, including expansive clays, collapsible sands compressible clays and silts. Client: Various.

**Mzimkulu River Bridge** - Undertook the geotechnical investigation for the 300m long Mzimkulu River bridge, which required founding at depths down to 55m. Client: SANRAL / KZN DOT

**Various** - Numerous foundation investigations throughout Southern Africa for townships, commercial developments, schools, office blocks, hospitals, factories and housing. Client: Various.

**Various** - Aerial photographic interpretation for various roads, townships and engineering geological mapping projects. Undertook engineering geological and land utilization mapping of a 43 000 ha area at Rust de Winter in Limpopo Province and the environmentally sensitive Duku-Duku area in KZN. Client: SA Geological Survey

**Various** - The location and investigation of sources of materials for use in the construction of roads, townships, dams and brick making. Undertook reconnaissance of a 6000km<sup>2</sup> area in northern KZN to identify potential sources of road construction materials. Client: Various

**Various** - Geotechnical and materials investigations for numerous roads projects including national freeways, urban arterials, township and rural roads, entailing route assessments, identification of problem subgrades, condition evaluations of existing road pavements, slope stability analyses and sourcing of construction materials. Geotechnical testing and instrumentation for embankments, cuttings, tunnels and foundations. Supervision of numerous contracts for rotary core drilling, percussion drilling, in-situ testing, instrumentation and large diameter auger boring. Client: Various.

**Various** - Ad hoc tunnel mapping and rock mass characterisation for the Inanda-Wiggins Scheme. Portal stability assessments on a number of existing tunnels in the Mngeni valley of KZN. Client: Umgeni Water

#### **1986 to 1987**

**Position-** Assistant Resident Engineer.

**Project Floor, near Naboomspruit (now Mookgophong), Limpopo Province.** Contract for the dynamic consolidation of collapsing sands for sensitive structures. Duties included contract supervision, monitoring of oedometer testing and settlement analysis. Client: SA Defence Force

#### **1985 to 1986**

**Position-** Resident Geologist

**Mpolweni Tunnel, Ulundi, KZN** -Resident Geologist for 1½ years on the construction of the 3km long Mpolweni Tunnel. Construction was by drill-and-blast and the tunnel route transected basaltic lava, quartzite, tillite and dolerite dykes. Undertook the engineering geological face and long wall mapping, joint analysis, rock mass descriptions and classifications, convergence monitoring, support and excavation assessment. Client: Spoornet

## CONTINUED PROFESSIONAL DEVELOPMENT

### Courses

- 1987 - Road Infrastructure Course (NITRR).
- 1987 - Kaytech Geosynthetics
- 1992 - Waste Management Workshop
- 1994 - In-Situ Testing in Geotechnical Engineering (SAICE)
- 1996 - Dolomite Seminar (SAIEG)
- 1996 - Workshop on Waste Aquifer Separation Principle (WASP)
- 1999 - A Short Workshop on Suggested Interpretation Techniques of Soil Movement with Emphasis on Heave and Collapse Conditions (SAIEG)
- 1999 - Risk of Collapse of Formations in Berea Reds (SAICE)
- 2001 - Ground Improvement (SAICE)
- 2002 - Engineering Geology for Developing Countries, 9<sup>th</sup> IAEG Congress.
- 2004 - Workshop on Compaction of Road Materials (SARF)
- 2005 - Workshop on soil Stabilisation (SARF)
- 2005 - Geosynthetics in Road Construction (GIGSA)
- 2008 - Introduction to Geosynthetics (SAICE)
- 2009 - Sustainable Development of Dams in South Africa (SANCOLD)
- 2010 - Basic Principles of Design, Construction and Evaluation of Small to Medium Dams, especially Embankment Dams (SANCOLD)
- 2015 - Eurocode 7 Geotechnical Design (SAICE)
- 2017 - Filtration and Drainage with Geosynthetics (Kaytech)

### Published Papers

- 2009 - Schreiner, HD, Norris, JC, Speirs, T, Melvill, AL “Non-Erosion Filtration Tests for Dam Filter Design” SANCOLD Conference, November 2009.

## PERSONAL DETAILS

Nationality – South African

Date of Birth – 1958/11/02

Domicile – Pietermaritzburg, South Africa

### Languages

- English – Excellent
- isiZulu – Very Good
- Afrikaans – Good
- Ndebele – Good
- Seswati – Fair
- Xhosa – Fair

# Universitas Nataliensis



hoc scripto nos, Universitatis Nataliensis  
Vice-Cancellarius, Registrarius, testamur

JAMES THOMAS MAXWELL SPEIRS

## Gradum Scientiae Baccalaurei

attigisse



*P. van Rooyen*

Vice-Cancellarius

*O. Klinder*  
Registrarius

a.d. VI Kal. Mai. MCMXXCV



400 104/94

# South African Council for Natural Scientific Professions

This is to certify that

*James Thomas Maxwell Spier*

has been registered as a Professional Natural Scientist  
in terms of section 11 of the Natural Scientific Professions Act, 1993



1994/09/23  
Pretoria

  
.....  
President

  
.....  
Registrar



# environmental affairs

Department:  
Environmental Affairs  
REPUBLIC OF SOUTH AFRICA

## DETAILS OF THE SPECIALIST, DECLARATION OF INTEREST AND UNDERTAKING UNDER OATH

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

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

### PROJECT TITLE

RIETKLOOF WEF AND POWERLINE

### Kindly note the following:

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

### Departmental Details

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

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

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


**1. SPECIALIST INFORMATION**

Specialist Company Name:	CTS HERITAGE		
B-BBEE	Contribution level (indicate 1 to 8 or non-compliant)	4	Percentage Procurement recognition
Specialist name:	JENNA LAVIN		
Specialist Qualifications:	MSc. ARCHAEOLOGY		
Professional affiliation/registration:	ATHP ASAPA		
Physical address:	34 HARRIES ST. PLUMSTEAD		
Postal address:	"		
Postal code:	7800	Cell:	083 619 0854
Telephone:		Fax:	
E-mail:	JENNA.LAVIN@CTSHERITAGE.COM		

**2. DECLARATION BY THE SPECIALIST**

I, JENNA LAVIN, declare that –

- I act as the independent specialist 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 the specialist report relevant to this application, 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 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;
- 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 48 and is punishable in terms of section 24F of the Act.

  
 \_\_\_\_\_  
 Signature of the Specialist

CTS HERITAGE  
 \_\_\_\_\_  
 Name of Company:

15 / 11 / 2021  
 \_\_\_\_\_  
 Date

3. UNDERTAKING UNDER OATH/ AFFIRMATION

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

*Jenni*

Signature of the Specialist

CTS HERITAGE

Name of Company

15 / 11 / 2021

Date

*718497600*  
*[Signature]*

Signature of the Commissioner of Oaths

2021.11.15

Date







# environmental affairs

Department:  
Environmental Affairs  
REPUBLIC OF SOUTH AFRICA

## DETAILS OF THE SPECIALIST, DECLARATION OF INTEREST AND UNDERTAKING UNDER OATH

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Date Received:	DEA/EIA/

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

### PROJECT TITLE

Rietkloof WEF and Powerline

### Kindly note the following:

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

### Departmental Details

#### Postal address:

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

#### Physical address:

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

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



**1. SPECIALIST INFORMATION**

Specialist Company Name:	Tony Barbour Environmental Consulting		
B-BBEE	Contribution level (indicate 1 to 8 or non-compliant)	4	Percentage Procurement recognition
			100%
Specialist name:	Tony Barbour		
Specialist Qualifications:	BSc, B Econ (Honours), MSc Environmental Science		
Professional affiliation/registration:	IAIA		
Physical address:	10 Firs Avenue, Claremont, Cape Town		
Postal address:	10 Firs Avenue, Claremont, Cape Town		
Postal code:	7708	Cell:	0826008266
Telephone:	021-7971361	Fax:	
E-mail:	tony@tonybarbour.co.za		

**2. DECLARATION BY THE SPECIALIST**

I, Tony Barbour, declare that –

- I act as the independent specialist 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 the specialist report relevant to this application, 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 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;
- 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 48 and is punishable in terms of section 24F of the Act.

  
 \_\_\_\_\_  
 Signature of the Specialist

Tony Barbour Environmental Consulting  
 \_\_\_\_\_  
 Name of Company:

26 August 2021

\_\_\_\_\_  
 Date

3. UNDERTAKING UNDER OATH/ AFFIRMATION

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

  
\_\_\_\_\_  
Signature of the Specialist

Tony Barbour Environmental Consulting  
\_\_\_\_\_  
Name of Company

26 August 2021  
\_\_\_\_\_  
Date

Date

  
\_\_\_\_\_  
Signature of the Commissioner of Oaths

2021-08-26  
\_\_\_\_\_  
Date





# environmental affairs

Department:  
Environmental Affairs  
REPUBLIC OF SOUTH AFRICA

## DETAILS OF THE SPECIALIST, DECLARATION OF INTEREST AND UNDERTAKING UNDER OATH

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

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

### PROJECT TITLE

THE PROPOSED DEVELOPMENT OF THE RIETKLOOF WIND ENERGY FACILITY AND ASSOCIATED OVERHEAD POWERLINE, IN THE NORTHERN AND WESTERN CAPE PROVINCES

### Kindly note the following:

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

### Departmental Details

<p><b>Postal address:</b>          Department of Environmental Affairs          Attention: Chief Director: Integrated Environmental Authorisations          Private Bag X447          Pretoria          0001</p> <p><b>Physical address:</b>          Department of Environmental Affairs          Attention: Chief Director: Integrated Environmental Authorisations          Environment House          473 Steve Biko Road          Arcadia</p> <p>Queries must be directed to the Directorate: Coordination, Strategic Planning and Support at:          Email: <a href="mailto:EIAAdmin@environment.gov.za">EIAAdmin@environment.gov.za</a></p>
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**1. SPECIALIST INFORMATION**

Specialist Company Name:	FEN Consulting		
B-BBEE	Contribution level (indicate 1 to 8 or non-compliant)	4	Percentage Procurement recognition
Specialist name:	Stephen van Staden		
Specialist Qualifications:	MSc Environmental Management		
Professional affiliation/registration:	Registered Professional Scientist at South African Council for Natural Scientific Professions (SACNASP)		
Physical address:	221 Riverside Lofts, Tygerfalls Boulevard, Bellville		
Postal address:	221 Riverside Lofts, Tygerfalls Boulevard, Bellville		
Postal code:	7539	Cell:	
Telephone:	011 616 7892	Fax:	0867243132
E-mail:	stephen@sasenvgroup.co.za		

**2. DECLARATION BY THE SPECIALIST**

I, \_\_\_ Stephen van Staden \_\_\_, declare that –

- I act as the independent specialist 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 the specialist report relevant to this application, 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 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;
- 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 48 and is punishable in terms of section 24F of the Act.



Signature of the Specialist

FEN Consulting

Name of Company:

26 November 2021

Date





# environmental affairs

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**1. SPECIALIST INFORMATION**

Specialist Company Name:	FEN Consulting		
B-BBEE	Contribution level (indicate 1 to 8 or non-compliant)	4	Percentage Procurement recognition
Specialist name:	Christel du Preez		
Specialist Qualifications:	MSc Environmental Science		
Professional affiliation/registration:	Registered Professional Scientist at South African Council for Natural Scientific Professions (SACNASP)		
Physical address:	221 Riverside Lofts, Tygerfalls Boulevard, Bellville		
Postal address:	221 Riverside Lofts, Tygerfalls Boulevard, Bellville		
Postal code:	7539	Cell:	
Telephone:	011 616 7892	Fax:	0867243132
E-mail:	christel@sasenvgroup.co.za		

**2. DECLARATION BY THE SPECIALIST**

I, Christel du Preez, declare that –

- I act as the independent specialist 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 the specialist report relevant to this application, 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 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;
- 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 48 and is punishable in terms of section 24F of the Act.

*C du Preez*

\_\_\_\_\_  
Signature of the Specialist

FEN Consulting

\_\_\_\_\_  
Name of Company:

25 November 2021

\_\_\_\_\_  
Date

3. UNDERTAKING UNDER OATH/ AFFIRMATION

I, Christel du Preez wear under oath / affirm that all the information submitted or to be submitted for the purposes of this application is true and correct.

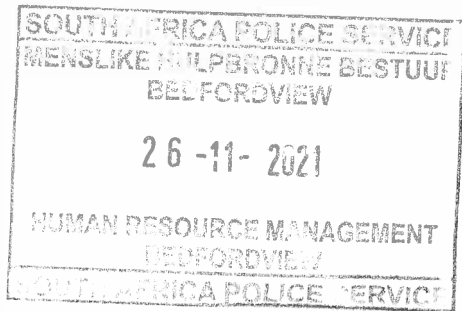
C du Preez  
Signature of the Specialist

FEN Consulting  
Name of Company

26 November 2021  
Date

[Signature]  
Signature of the Commissioner of Oaths

2021-11-26  
Date







## environmental affairs

Department:  
Environmental Affairs  
REPUBLIC OF SOUTH AFRICA

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

#### PROJECT TITLE

Rietkloof Wind Energy Facility and Powerline

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Private Bag X447  
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Attention: Chief Director: Integrated Environmental Authorisations  
Environment House  
473 Steve Biko Road  
Arcadia

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

1. SPECIALIST INFORMATION

Specialist Company Name:	JG AFRICA (PTY) LTD		
B-BBEE	Contribution level (indicate 1 to 8 or non-compliant)	1	Percentage Procurement recognition
			135
Specialist name:	IRIS WINK		
Specialist Qualifications:	MSC Eng		
Professional affiliation/registration:	Pr Eng 20110156		
Physical address:	14 CENTRAL SQUARE, PINELANDS		
Postal address:	PO BOX 38561		
Postal code:	7430	Cell:	082 691 9096
Telephone:	021 530 1800	Fax:	021 532 0850
E-mail:	WINK@JGAFRIKA.COM		

2. DECLARATION BY THE SPECIALIST

I, IRIS WINK, declare that –

- I act as the independent specialist 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 the specialist report relevant to this application, 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 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;
- 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 48 and is punishable in terms of section 24F of the Act.

Wink

Signature of the Specialist

JG AFRICA (PTY) LTD

Name of Company:

15/11/21

Date

3. UNDERTAKING UNDER OATH/ AFFIRMATION

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

Wink

Signature of the Specialist

JG AFRIVA (PTY) LTD

Name of Company

15/11/21

Date

.....7216286-4  
N.N. MALAYANA CST

Signature of the Commissioner of Oaths

2021-11-15

Date

