

WSP in Africa
Building C
Knightsbridge
33 Sloane Street
Bryanston, 2191
South Africa

Attention: Ashlea Strong

Rietkloof Wind Energy Facility – WEF TECHNOLOGY AMENDMENT APPLICATION:

Rietkloof Wind Energy Facility (RF) (Pty) Ltd (RK-WEF), obtained environmental authorisation to develop a 147MW wind energy facility between Matjiesfontein and Sutherland in Western Cape Province. The RK-WEF is approved for 60 turbines, covering several properties within the Laingsburg Local Municipality, Western Cape.

Trusted Partners were appointed to prepare an ecological walkdown report for the proposed RK-WEF in fulfilment of specific conditions contained in the Environmental Authorisation Reg. No. 14/12/16/3/3/1/1977 dated 10 April 2019 (merged authorisations) and subsequent amendments issued by Department of Environmental Affairs for the project. The walkdown assessment was undertaken by Dr Malcolm Logie (*Pr. Sci. Nat. Environmental Scientist*) and Mr Jamie Pote (*Pr. Sci. Nat. Ecological Scientist*) during the period August 30, 2021, and September 11, 2021. The site walkdown was undertaken shortly after a particularly rainy period, which was evident in the notable flowering proliferation, which progressed throughout the site visit period. While the seasonal response of local flora does vary throughout the year, with certain species flowering during different seasons, the time during which the walkdown was undertaken is deemed to have been at a time that would most effectively identify the most species, in particular geophytes and Aizoaceae.

Subsequently, **Trusted Partners** have been requested to provide further opinion on the potential impact to terrestrial ecological process from proposed changes to Wind Turbine (WTG) Technology/infrastructure, as described below:

	Approved Technology	New Specification
Total MW Capacity	Up to 183 MW	Up to 140 MW
Turbine Generation Capacity	Not specified	Up to 7 MW
Hub Height	9 turbines – up to 120m 51 turbines – up to 125m	Up to 125 metres
Rotor Diameter	9 turbines – up to 120m 51 turbines – up to 125m	Up to 180 metres
Blade Length	9 turbines – up to 70m 51 turbines – up to 80m	Up to 90 metres
Maximum Blade Tip Height	Not specified	Up to 215 metres

SPECIALIST STATEMENT:

The proposed change in WTG technology/infrastructure in respect of capacity output, hub height, rotor diameter, blade length and maximum blade tip height will not result in any change in the nature of impacts, nor in the significance of direct, indirect, or cumulative impacts, of the project. As such, no further ecological assessment are required in this regard.

It is therefore recommended that in terms of terrestrial ecological process and impact, the amendment to change the WTG technology/infrastructure be approved.

Yours sincerely

Malcolme Logie

Malcolme Logie

PARTNER

MSc (Botany); PhD (Biotechnology)
Pr.Sci.Nat. - Environmental Scientist (N# 400102/95)
Reg. EAP (EAPASA N# 2020/1403)

CAPE TOWN
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EML | Malcolme@TrustedPartners.Africa
WEB | <https://www.TrustedPartners.Africa>

ANNEXURE A: ABRIDGED CURRICULUM VITAE & STATEMENT OF INDEPENDENCE

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MALCOLME LOGIE

Malcolme is a leading strategic thinking and performance-focused Environmental and Social Management Advisor with 30 years of experience in consulting across Africa and Eastern Europe. As a proven Advisor, Malcolme has guided public listed companies throughout Africa and Eastern Europe on their EHS & Social Strategies, Impacts and Liabilities. He is a motivational leader known for clearly defining mission and goals, aligning people and resources, and consistently delivering results that exceed expectations.

He is an expert in:

- Strategic Environmental Advisory;
- Environmental & Social Risk Management;
- Environmental & Social Governance;
- Equator Principles;
- World Bank - Environmental & Social Safeguards;
- International Finance Corporation - Environmental & Social Performance Standards;
- European Investment Bank - Environmental & Social Standards;
- European Bank for Reconstruction and Development - Environmental & Social Performance Requirements;
- Development Bank of Southern Africa - Environmental & Social Safeguards;
- Environmental & Social Due Diligence;
- Environmental & Social Impact Assessment;
- Critical Habitat & Biodiversity Assessments;
- EHS Compliance and Performance Assurance;
- ISO 14001/ISO 45001 Management Systems; and
- Technical Environmental Advisory.

As a recognised authority in Environmental & Social Risk Management he has led multi-disciplinary teams on projects in South Africa, Angola, Botswana, Cote de Ivoire, Czech Republic, Democratic Republic of Congo, Egypt, Ethiopia, Ghana, Hungary, Kenya, Madagascar, Mauritania, Mozambique, Namibia, Nigeria, Pakistan, Poland, Romania, Slovak Republic, South Sudan, Tanzania, Uganda, and Zambia.

Malcolme has consulted in the following industrial sectors: Aerospace, Agriculture, Forestry, Fisheries, Automotive and Rail Transport, Beverage and Foodstuff Industries, Chemicals and Chemical Products, Constructions, Education, Electricity Supply, Explosive and Munitions, Gas Supply, Glass Ceramics, Health Care Service, Processing of Minerals and Ores, Leather and Leather Products, Manufacture of Coke and Refined Petroleum Products, Manufacturing and Mechanical Engineering, Metals Refining and Processing and Production of Metals, Mining and Quarrying, Oil and Gas, Pharmaceuticals, Production of Cement and Concrete, Pulp and Paper, Renewable Energy, Rubber and Plastic Goods, Ship Building, Textile Industries, Transport and Communication, Waste and Recycling, Water Supply and Wood Industries.

In 2018/20 Malcolme led a Team of International Experts that developed the Environmental & Social Impact Assessment Guidelines for the Oil & Gas Sector in Kenya - encompassing the Onshore and Offshore Environmental, Social, Community, Health & Safety Risks in the Upstream, Midstream and Downstream Activities. The project was funded by the World Bank.

In 2020/21, Malcolme was part of an International team that developed the Environmental and Social Tariff for the Pakistan Energy Sector: Wind, Solar, Run-of-River Hydro, Large Hydro, Biogas, and Fossil Fuel (Coal, HFO, LNG). The project was funded by the IFC.

Malcolme was a specialist Environmental & Social Risk Management Advisor to the IFC (Johannesburg) during the period November 2017- July 2021, where he has provided expert advice on Environmental & Social Risk Management and Management Systems the Consulting and Financial Sectors in South Africa, Ghana and Nigeria. The ESRM Programme aims to increase the uptake of Environmental and Social standards by financial intuitions and loan clients in the sub-Saharan region. Malcolme has also lectured at the Rhodes University Business School on Industrial Environmental Management and EHSS Management Systems.

Malcolme was a member on the South African committee SABS:TC207 which formed part of the global committee that wrote the original ISO 14001:1996 Environmental Management Systems specifications standard. Malcolme was also responsible for the development of the SAATCA requirements for the registration of Environmental Auditors and was elected (under a Grandfather clause) as the first Environmental Verification Auditor in South Africa. Malcolme has more than 16 800 hours of EHS Auditing experience and has led integrated EHSQ certification level audits.

During 2006-2010 Malcolme served on the Education Review Panel for the South African Council for Natural Scientific Professions (SACNASP) where his role was to review the suitability of education and experience of individuals applying for

registration as Professional Natural Scientists. Malcolme served on the Application Review Panel at SACNASP for 2016-2017.

Education

- PhD (Biotechnology), Rhodes University, 1995
- MSc (Botany), Rhodes University, 1992
- BSc Honours (Botany), Rhodes University 1990
- BSc (Plant Science & Biochemistry), Rhodes University, 1989

*Certificates available on request

Professional Memberships

- South African Council of Natural Scientific Professions - Environmental Scientist (N#: 400102/95)
- Environmental Assessment Practitioners Association of South Africa (EAPASA: N#: 2020/1403)
- International Association of Impact Assessors
- Royal Society of South Africa

*Certificates available on request



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

RIETKLOOF WEF: TERRESTRIAL BIODIVERSITY ASSESSMENT

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:

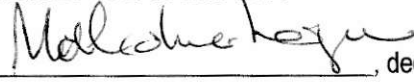
Department of Environmental Affairs
Attention: Chief Director: Integrated Environmental Authorisations
Environment House
473 Steve Biko Road
Arcadia

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

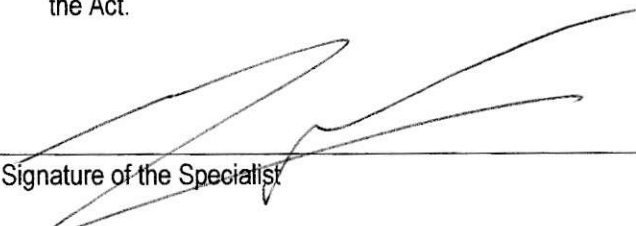
1. SPECIALIST INFORMATION

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

2. DECLARATION BY THE SPECIALIST

I, Dr 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;
- 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

Trusted Partners

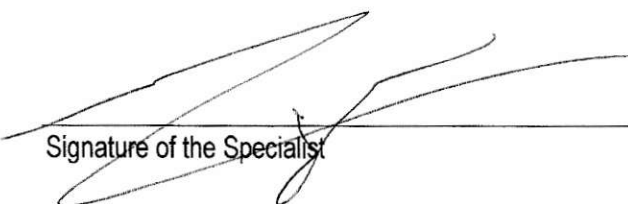
Name of Company:



 Date

3. UNDERTAKING UNDER OATH/ AFFIRMATION

I, Malcolm Hagen, 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


Signature of the Commissioner of Oaths

2021/10/06
Date



JAMIE POTE

Jamie is a highly experienced Biodiversity consultant, specialising in terrestrial Ecological and Vegetation Assessments. Over the past 16 years, he has been involved in a diverse range of projects and regions, primarily in Southern but also Western and Central Africa as part of multidisciplinary teams. His experience in South Africa includes most provinces (in particular the Eastern Cape, Western Cape, Northern Cape and Limpopo provinces) and a wide range of bio-geographic regions, and has also worked professionally in Namibia, Mozambique, Democratic Republic of Congo, Republic of Congo and Ghana.

He is an expert in:

- Botanical and Terrestrial Ecology Assessments
- Critical Habitat & Biodiversity Assessments.
- Terrestrial Biodiversity Assessments
- GIS mapping and analysis

Projects include over 300 independent Biodiversity, Ecological and/or Botanical Assessments throughout Southern, Western and Central Africa within the Energy, Infrastructure, Housing, Agriculture, Forestry, Mining and Industrial Sectors.

In addition, he recently initiated and grew a leading Environmental Business unit at a Civil Engineering company in Port Elizabeth and was the Senior Ecologist and Environmental Assessment Practitioner (EAP) on over 50 environmental applications in the infrastructure, housing, agricultural and mining sectors. He has furthermore played a key role within the road maintenance and construction sphere within the Eastern Cape, undertaking key projects for both the Department of Roads and Public Works and SANRAL, which includes over 40 mining applications for the licensing of more than 300 gravel borrow pits in districts throughout the Eastern Cape.

Jamie has also been lead environmental consultant in construction compliance and monitoring on over 50 civil infrastructure and housing projects.

Key fields of expertise include Terrestrial Biodiversity and Ecological Assessments, Environmental and Ecological Risk-Assessments, Rehabilitation and Restoration Plans, Environmental Management Plans & Programmes, GIS Mapping & Analysis, Alien Invasive Plant Management Plans, Environmental Compliance & Monitoring, Flora Relocation Plans (including implementation), Environmental and Mining applications and Permits and Licensing (including Water Use licensing and Protected Trees, Flora and Fauna).

Jamie's Tertiary Education Qualifications are:

- BSc Honours (Botany), Rhodes University 2003
- BSc (Botany & Environmental Science), Rhodes University, 2002

*Certificates available on request

Jamie's Professional Registrations/Memberships are:

- South African Council of Natural Scientific Professions - Professional Natural Scientist: Ecological Science (N#: 115233)
- International Association of Impact Assessors (N#: 5045)

*Certificates available on request



environmental affairs

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Environmental Affairs
REPUBLIC OF SOUTH AFRICA

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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

1. SPECIALIST INFORMATION

Specialist Company Name:	N/A			
B-BBEE	Contribution level (indicate 1 to 8 or non-compliant)	4	Percentage Procurement recognition	100 %
Specialist name:	Jamie Pote			
Specialist Qualifications:	BSc (Hons)			
Professional affiliation/registration:	SACNASP			
Physical address:				
Postal address:	Postnet Suite 13130, P Bag X13130			
Postal code:	6013	Cell:	076 888 9890	
Telephone:		Fax:		
E-mail:	jamiepote@live.co.za			

2. DECLARATION BY THE SPECIALIST

I, Mr Jamie Pote _____, 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

N/A

Name of Company:

25/08/2021

Date:

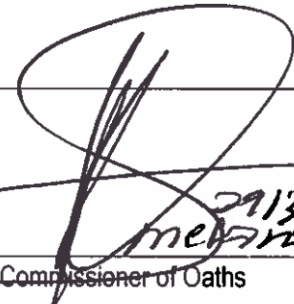
3. UNDERTAKING UNDER OATH/ AFFIRMATION

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

JAMIE POTE 
Signature of the Specialist

N/A
Name of Company

25 August 2021
Date


Signature of the Commissioner of Oaths

2021-08-25
Date

