



Amendment Report for the Application of a Substantive Amendment to the Environmental Authorisation issued for the development of the 140 MW Rietrug Wind Energy Facility, Sutherland, Northern Cape Province

Rietrug

FINAL AMENDMENT REPORT

APPENDIX E: Curriculum Vitae

Curriculum Vitae: Minnelise Levendal – EAP and Project Leader

Name of firm:	CSIR
Name of staff	Minnelise Rouchelle-Ann Levendal
Profession:	Environmental Assessment Practitioner/Project Manager
Position in firm:	Senior Environmental Assessment Practitioner
Years' experience:	18 years
Nationality:	South African
Languages:	Afrikaans and English
Affiliation:	SACNASP Registered Professional Natural Scientist (Registration Number: 117078)

1. BIO-SKETCH:

Minnelise has more than 15 years of experience in environmental assessment and management, and is a Senior Environmental Assessment Practitioner (EAP) in the Environmental Management Services (EMS) group of the CSIR in Stellenbosch. She is a Registered Professional Natural Scientist (Registration Number: 117078) with the South African Council for Natural Scientific Professions (SACNASP). Minnelise has experience in the management and integration of various types of environmental assessments in South Africa for various sectors, including renewable energy and industry. Minnelise has undertaken several Environmental Assessments for wind farms and solar PV farms (i.e. EIAs, BAs, and Amendment and Appeal Processes) in the Northern Cape, Western Cape and Eastern Cape. Minnelise is currently the project leader for the Amendment processes for the adjacent Sutherland, Sutherland 2, and Rietrug WEFs, which received positive Environmental Assessments.

A list of projects she had undertaken is provided below.

2. EDUCATION

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|--------------------------|--------------------------------|------|
| ▪ M.Sc. (Botany) | Stellenbosch University | 1998 |
| ▪ B.Sc. (Hons.) (Botany) | University of the Western Cape | 1994 |
| ▪ B.Sc. (Education) | University of the Western Cape | 1993 |

3. PROFESSIONAL REGISTRATIONS / MEMBERSHIPS

- International Association for Impact Assessment (IAIA), Western Cape (member of their steering committee from 2001-2002).
- Professional Natural Scientist (Pr.Sci.Nat) – 117078

4. EMPLOYMENT RECORD

Name of current employer	Position	From	To
CSIR (Environmental Management Services-EMS);	Senior Environmental Assessment Practitioner	2006	Present
CSIR (Natural Resources and the Environment)	Environmental Researcher	2004	2006
Western Cape Department of Environmental Affairs and Development Planning (DEA&DP)	Assistant Director	2003	2004
	Principal Environmental Officer	2002	2003

Name of current employer	Position	From	To
	Principal Environmental Officer	2002	2003
	Senior Environmental Officer	2001	2002
	Environmental Officer	1999	2000
University of the Western Cape	Junior Lecturer	1996	1996
Cape Peninsula University of Technology	Junior Lecturer	1995	1995

5. KEY COURSES

- Public Participation in Environmental Authorisation in South Africa: IAIA workshop presented by Tisha Greyling and Erika Du Plessis (2016).
- Environmental Law: Shepstone Wylie Attorneys; Presented by Janice Tooley (2015).
- Sharpening the Tool: New techniques and methods in Environmental Impact Assessment: Sustainable Environmental Solutions (Pty) Ltd (2015).
- Effective Skills for Challenging Meetings & Engagements: Conflict Dynamics (2015).
- Science Communication and Working with the Media: Proof Communications/Jive Media Africa (2014).
- Leadership, Innovation and Change Management: University of Stellenbosch (Business School) (2013).
- MS Project: CILLA (2011).
- Project Management I and II: CILLA (2005)
- Social Impact Assessment: IAIA workshop (2002)
- Environmental Law ("The New Environmental Law Course for Environmental Managers): University of Potchefstroom: Center for Environmental Management) (2002).
- Implementing Environmental Management Systems (SABS/ISO 14001:1996): University of Potchefstroom: Center for Environmental Management (2002).
- Conflict Management in Environmental Issues: University of Potchefstroom: Center for Environmental Management) (2001).

6. PROJECT EXPERIENCE RECORD

The following table presents a list of key projects undertaken by Minnelise Levendal at the CSIR to date, as well as the role played in each project:

Environmental Impact Assessment (EIAs) and Basic Assessments (BAs)-including their respective Environmental Management Programmes (EMPRs):

Completion Date	Project description	Role	Client
2019	Amendment Application for the proposed Kuruman Phase 1 Wind Energy Facility near Kuruman in the Northern Cape	Project Leader and EAP	Mulilo Renewable Project Developments (Pty) Ltd
2019	Amendment Application for the proposed Kuruman Phase 2 Wind Energy Facility near Kuruman in the Northern Cape	Project Leader and EAP	Mulilo Renewable Project Developments (Pty) Ltd

Completion Date	Project description	Role	Client
2019	Substantive Amendment Application for the proposed Kap Vley Wind Energy Facility near Kleinsee in the Northern Cape	Project Leader and EAP	juwi Renewable Energies (Pty) Ltd
2019	Substantive Amendment Application for the proposed Rietrug Wind Energy Facility near Sutherland in the Northern Cape	Project Leader and EAP	South Africa Mainstream Renewable Power Developments (Pty) Ltd
2019	Substantive Amendment Application for the proposed Sutherland Wind Energy Facility near Sutherland in the Northern and Western Cape	Project Leader and EAP	South Africa Mainstream Renewable Power Developments (Pty) Ltd
2019	Substantive Amendment Application for the proposed Sutherland 2 Wind Energy Facility near Sutherland in the Northern Cape	Project Leader and EAP	South Africa Mainstream Renewable Power Developments (Pty) Ltd
2019	BA for the proposed Gromis wind farm near Kleinsee in the Northern Cape	Project Leader and EAP	ENERTRAG South Africa (Pty) Ltd
2019	BA for the proposed Komass wind farm near Kleinsee in the Northern Cape	Project Leader and EAP	ENERTRAG South Africa (Pty) Ltd
2019	BA for the proposed electrical infrastructure for the Gromis wind farm near Kleinsee in the Northern Cape	Project Leader and EAP	ENERTRAG South Africa (Pty) Ltd
2019	BA for the proposed electrical infrastructure for the Komass wind farm near Kleinsee in the Northern Cape	Project Leader and EAP	ENERTRAG South Africa (Pty) Ltd
2018-2019	BA for the proposed Kudusberg WEF near Sutherland in the Northern and Western Cape	Project Leader and EAP	G7 Renewable Energies (Pty) Ltd
2017-2018	EIA for the proposed Kap Vley Wind Energy Facility near Kleinsee in the Northern Cape	Project Leader and EAP	juwi Renewable Energies (Pty) Ltd
2018	BA for the proposed electrical infrastructure to support the proposed Kap Vley Wind Energy Facility near Kleinsee in the Northern Cape	Project Leader and EAP	juwi Renewable Energies (Pty) Ltd
2015-2016	EIA for the Gembok Solar Photovoltaic, PV 3 near Kenhardt in the Northern Cape	Project Manager and EAP	Mulilo Renewable Project Developments
2015-2016	EIA for the Gembok Solar PV 4 near Kenhardt in the Northern Cape	Project Manager and EAP	Mulilo Renewable Project Developments
2015-2016	EIA for the Gembok Solar PV 5 near Kenhardt in the Northern Cape	Project Manager and EAP	Mulilo Renewable Project Developments
2015-2016	EIA for the Gembok Solar PV 6 near Kenhardt in the Northern Cape	Project Manager and EAP	Mulilo Renewable Project Developments
2015-2016	EIA for the Boven Solar PV 2 near Kenhardt in the Northern Cape	Project Manager and EAP	Mulilo Renewable Project Developments
2015-2016	EIA for the Boven Solar PV 3 near Kenhardt in the Northern Cape	Project Manager and EAP	Mulilo Renewable Project Developments
2015-2016	EIA for the Boven Solar PV 4 near Kenhardt in the Northern Cape	Project Manager and EAP	Mulilo Renewable Project Developments

Completion Date	Project description	Role	Client
2010-2011 (EA Granted)	EIA for the proposed Ubuntu wind energy project, Eastern Cape	Project Manager	WKN Windkraft SA
2010-2011 (EA granted)	EIA for the proposed Banna Ba Pifhu wind energy project, Eastern Cape	Project Manager	WKN Windkraft SA
2010-2011 (EA granted)	BA for a powerline for a WEF near Swellendam in the Western Cape	Project Manager	BioTherm Energy (Pty Ltd)
2010-2011 (EA Granted)	EIA for a proposed wind farm near Swellendam in the Western Cape	Project Manager	BioTherm Energy (Pty Ltd)
2010 (EAs granted)	Basic Assessment for the erection of two wind monitoring masts near Swellendam and Bredasdorp in the Western Cape	Project Manager	BioTherm Energy (Pty Ltd)
2010 (complete)	Basic Assessment for the erection of two wind monitoring masts near Jeffrey's Bay in the Eastern Cape	Project Manager	Windcurrent (Pty Ltd)
2009-2010 (EAs granted)	Basic Assessment Process for the proposed erection of 10 wind monitoring masts in SA as part of the national wind atlas project	Project Manager	Department of Energy through SANERI; GEF
2009 (EAs granted)	Basic Assessment Report for a proposed boundary wall at the Port of Port Elizabeth, Eastern Cape	Project Manager	Transnet Ltd
Other Environmental Assessments, Strategies, Biodiversity Management Plans, Frameworks and Reporting tools:			
2014-2018	Special Needs and Skills Development Programme	Project Leader	DEA
2013-2014	Development of a National Management Plan and Strategy for Invasive Alien species	Project Manager	DEA
2012-2014	Development of a Biodiversity Management Plan for the African Lion (<i>Panthera leo</i>)	Project Manager	DEA
2010	South Africa's Second National Communication under the United Nations Framework Convention on Climate Change	Project Manager	SANBI
2008	The development of protocols for the monitoring and evaluation of benefits arising from the Working for Water Programme (2008).	Project manager	DEA
2006-2008	Monitoring and Evaluation of aspects of Biodiversity	Project Leader	Internal project awarded through the Young Researchers Fund
2006	Integrated veldfire management in South Africa. An assessment of current conditions and future approaches.	Co- author	Working on Fire
2004-2005	Biodiversity Strategy and Action Plan Wild Coast, Eastern Cape, SA	Co-author	Wilderness Foundation
2005	Western Cape State of the Environment Report: Biodiversity section. (Year One).	Co- author and Project Manager	Department of Environmental Affairs and Development Planning

7. AWARDS

- 2008: Best presentation Award at Arid Zone Conference (Northern Cape)
- 2015: CSIR award for Human Capital Development: Special Needs and Skills Development Programme

8. CONFERENCE PRESENTATIONS & PAPERS

- **Levendal, M.** (2012). "Challenges in the Environmental Assessment of Renewable Energy Projects in South Africa" In IAIA (Portugal) Conference Proceedings.
- **Bowie, M.** (néé Levendal) (1998). "Ecophysiological responses of four succulent Karoo species under different temperature and water regimes." In *Arid Zone Conference (Northern Cape) Conference Proceedings*.

9. PUBLICATIONS

- **Bowie, M.** (néé Levendal) and Ward, D. (2004). Water status of the mistletoe *Plicosepalus acaciae* parasitic on isolated Negev Desert populations of *Acacia raddiana* differing in level of mortality. *Journal of Arid Environments* 56: 487-508.
- Wand, S.J.E., Esler, K.J. and **Bowie, M.R.** (2001). Seasonal photosynthetic temperature responses and changes in 13C under varying temperature regimes in leaf-succulent and drought-deciduous shrubs from the Succulent Karoo, South Africa. *South African Journal of Botany* 67:235-243.
- **Bowie, M.R.**, Wand, S.J.E. and Esler, K.J. (2000). Seasonal gas exchange responses under three different temperature treatments in a leaf-succulent and a drought-deciduous shrub from the Succulent Karoo. *South African Journal of Botany* 66:118-123.

10. LANGUAGE CAPABILITY

Language	Speaking	Reading	Writing
<i>English</i>	<i>Excellent</i>	<i>Excellent</i>	<i>Excellent</i>
<i>Afrikaans</i>	<i>Excellent</i>	<i>Excellent</i>	<i>Excellent</i>



Minnelise Levendal

November 2019