

**APPENDIX C**  
**CURRICULA VITAE OF EAPs**



## 1 Personal Particulars

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**Date of Birth:** 1976-12-06  
**Name of Staff:** Donovan Henning  
**Years of Experience:** 20  
**Nationality:** RSA

## 2 Position in the firm and within the organization of this assignment

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Registered Environmental Assessment Practitioner.

## 3 Education

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Institution (Date from – Date to)	Degree(s) or Diploma(s) obtained
RAU (1995 – 1997)	B.Sc. Zoology and Biochemistry
RAU (1998)	B. Sc. Hons. Zoology
RAU (1999 – 2000)	M. Sc. Freshwater Ecology

## 4 Membership of professional bodies

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- Environmental Assessment Practitioners Association of South Africa (EAPASA) (2020/1217).
- South African Council for Natural Scientific Professions (SACNASP) (400108/17).

## 5 Relevant Experience - Energy

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<b>1.</b>	<b>Project Name:</b>	<b>KIVU56</b>
	<b>Client:</b>	Symbion Power Lake Kivu LTD
	<b>Location of Project:</b>	Rubavu District, Western Province, Rwanda
	<b>Duration (Start &amp; Completion Dates):</b>	Feb 2020 – Nov 2020
	<b>Brief Description of work:</b>	
	The KIVU56 project is located on the eastern shores of Lake Kivu, Rwanda. Methane gas is extracted from the waters of Lake Kivu and used to run engines that generate electricity. The electricity is passed onto the Rwandan national grid and used throughout the country. Nemai Consulting was appointed to ensure that the project conforms to the International Finance Corporation's 2012 Performance Standards on Environmental and Social Sustainability.	

<b>2.</b>	<b>Project Name:</b>	<b>Matjhabeng Solar PV Project</b>
	<b>Client:</b>	SunElex Energy (Pty) Ltd
	<b>Location of Project:</b>	Odendaalsrus, Free State Province, RSA
	<b>Duration (Start &amp; Completion Dates):</b>	Jul – Nov 2018
	<b>Brief Description of work:</b>	
	SunElex Energy (Pty) Ltd has proposed the development of the Matjhabeng 400 MW Solar Photovoltaic Plant with 80 MW (320 MWh) Battery Energy Storage System, which is located north and south of the town of Odendaalsrus in the Free State Province. The proposed Solar Photovoltaic Plant will be developed to serve the Matjhabeng Local Municipality's energy requirements and will generate power for delivery to the local/national grid. The electricity generated by the Solar Photovoltaic Plant will be injected into the existing Eskom 132kV distribution system.	

<b>3.</b>	<b>Project Name:</b>	<b>75MW Beaufort West Photovoltaic Project</b>
	<b>Client:</b>	Beaufort West Photovoltaic (Pty) Ltd
	<b>Location of Project:</b>	Beaufort West, Western Cape, RSA
	<b>Duration (Start &amp; Completion Dates):</b>	Nov 2020 – Jul 2021
	<b>Brief Description of work:</b>	

	Beaufort West Photovoltaic (Pty) Ltd has proposed the development of the Beaufort West Photovoltaic (PV) Project in the Western Cape, with a total generation capacity of not exceeding 75MW renewable solar energy. The associated infrastructure includes access roads, overhead power lines, substation and control building(s). The electricity generated by the PV Park will be transferred to the national Eskom grid. The Project will connect to existing Droërivier Substation beside the N12 through a ±14.9km single circuit twin conductor 132 kV line.
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<b>4.</b>	<b>Project Name:</b>	<b>uMkhomazi Water Project Phase 1</b>
	<b>Client:</b>	Department of Water and Sanitation
	<b>Location of Project:</b>	Bulwer, KwaZulu-Natal Province, RSA
	<b>Duration (Start &amp; Completion Dates):</b>	Aug 2013 - Present
	<b>Brief Description of work:</b>	
	EIA as part of Feasibility Study for the uMkhomazi Water Project Phase 1. Project components include large storage dam, tunnel, balancing dam, raw water pipeline and <b>hydropower facilities</b> (Baynesfield HPP - 3 MW power potential; Smithfield Dam HPP- 2.6 MW power potential).	

<b>5.</b>	<b>Project Name:</b>	<b>Hydropower Plant within Hydraulic Network at Zoekfontein Site</b>
	<b>Client:</b>	Rand Water
	<b>Location of Project:</b>	Zoekfontein, Gauteng Province, RSA
	<b>Duration (Start &amp; Completion Dates):</b>	Feb 2012 – April 2014
	<b>Brief Description of work:</b>	
	Environmental Impact Assessment for the construction of an 8 MW hydropower station alongside the Zoekfontein Control Works downstream of the Vaal Dam.	

<b>6.</b>	<b>Project Name:</b>	<b>Impompomo Hydropower Plant</b>
	<b>Client:</b>	Blue World Power & Energy
	<b>Location of Project:</b>	Mpumalanga, RSA
	<b>Duration (Start &amp; Completion Dates):</b>	2018
	<b>Brief Description of work:</b>	
	Environmental Screening for a hydropower plant on the Mpompomo Falls in Mpumalanga. The scope of works include the Impompomo powerhouse (hydropower plant), powerlines from Impompomo hydropower plant to Barberton, penstock from Mpompomo Top Weir and Mpompomo Top Weir.	

<b>7.</b>	<b>Project Name:</b>	<b>Neptune-Poseidon Transmission Line</b>
	<b>Client:</b>	Eskom
	<b>Location of Project:</b>	Eastern Cape, RSA
	<b>Duration (Start &amp; Completion Dates):</b>	2009 - 2011
	<b>Brief Description of work:</b>	
	EIA and public participation for a 200 km transmission line, with alternatives, with 3000 affected parties and landowners.	

<b>8.</b>	<b>Project Name:</b>	<b>Anderson Dinaledi Transmission Line</b>
	<b>Client:</b>	Eskom
	<b>Location of Project:</b>	North-West, RSA
	<b>Duration (Start &amp; Completion Dates):</b>	2011 - 2013
	<b>Brief Description of work:</b>	
	EIA and public participation for an 80 km transmission line, with alternatives, through a the Magaliesburg Nature Conservation Area.	

<b>9.</b>	<b>Project Name:</b>	<b>Makalu B (Igesi) Substation and Associated Transmission Loop-In Lines</b>
	<b>Client:</b>	Eskom
	<b>Location of Project:</b>	Free State, RSA
	<b>Duration (Start &amp; Completion Dates):</b>	2016 - 2018
	<b>Brief Description of work:</b>	
	EIA and public participation for a new substation and 2 x 275 kV line loop-ins from the Lethabo – Makalu Lines.	

## PERSONAL INFORMATION

**Name** Jacqueline Davis  
**Date of Birth** 1984-06-06  
**Nationality** South African  
**Identity Number** 8406060036085  
**Qualifications** BSc - Environmental Science  
BSc (Honours) Geography

**Years of Experience** 9  
**Profession** Environmental Assessment Practitioner  
**Drivers License** Code B

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## EDUCATION

- 2003-2005: BSc Environmental Sciences, University of Pretoria.
  - 2006-2007: Honours (*cum laude*) Geography, University of Pretoria.
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## PROFESSIONAL REGISTRATIONS AND AFFILIATIONS

- Member of the International Association for Impact Assessment South Africa (IAIAsa).
  - Registration as Professional Natural Scientist - South African Council for Natural Scientific Professions (SACNASP) in progress (Ref. no: 141320).
  - Registration as an Environmental Assessment Practitioner - Environmental Assessment Practitioners Association of South Africa (EAPASA) in progress.
  - Member of the Golden Key International Honour Society in recognition of outstanding scholastic achievement and excellence (2007 to present).
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## EMPLOYMENT RECORD

Dates of Employment		Employer	Position Held
March 2006	May 2011	(1) Department of Environmental Affairs and Tourism; (2) University of Pretoria	(1) Field-based Researcher (Marion Island and Antarctica); (2) Teaching Assistant; and (3) Junior Lecturer
March 2012	May 2013	Department of Environmental Affairs; Directorate: Southern Oceans and Antarctic Support (D:SO&AS), SANAP (South African National Antarctic Programme)	Marion Island Dedicated Environmental Control Officer (ECO)
November 2013	December 2013	KSE Services CC	Public Participation Assistant

Dates of Employment		Employer	Position Held
January 2014	January 2016	uKhozi Environmentalists (Pty) Ltd	Junior Environmental Assessment Practitioner
January 2016	May 2017	Ecoleges Environmental Consultant CC	Site Environmental Officer for the Olifants River Water Resources Development Project Phase 2C, Limpopo Province
August 2017	Current	Nemai Consulting (Pty) Ltd	ECO (Ad hoc) and Environmental Assessment Practitioner (Full time)

## SUMMARY OF KEY EXPERIENCE

I have been privileged to have gained experience through a broad array of development projects within various sectors and including several major infrastructure and Strategic Infrastructure Projects (SIPs). Past and current projects are listed below.

### Environmental Impact Assessment Applications:

- 1) Welgedacht Coal Railway Siding: Basic Assessment Report, EMPr, and Public Participation Process.
- 2) Welgekozen Fuel Station: Basic Assessment Report, EMPr, and Public Participation Process.
- 3) Emkhiweni Substation and 400KV Line from Emkhiweni Substation to Silimela. Scoping and EIA, and Public Participation Process.
- 4) Proposed Roads and Stormwater Infrastructure for Soshanguve Block L, City of Tshwane Metropolitan Municipality. Basic Assessment and Public Participation Process.
- 5) Duvha Ash Dam and Ash Water Return Dams Seepage Interception Drains in Mpumalanga Province. Basic Assessment and Public Participation Process.
- 6) Proposed Rockville Student Village and Lifestyle Centre, Gauteng Province.
- 7) Decommissioning of the B6990 incinerator within the Thermal Oxidation S6900 facility on Sasol One Site in Sasolburg, Free State Province. Basic Assessment (Waste Management Licence) and Public Participation Process.
- 8) Proposed Sasol Fuel Oil Pretoria West Project Basic Assessment and Public Participation Process. Basic Assessment and Public Participation Process.
- 9) Proposed Noordhang Ext. 90, The Ramakrishna Centre of South Africa – Phoenix, Johannesburg Sub Centre Ashram Development, City of Johannesburg Metropolitan Municipality. Basic Assessment and Public Participation Process.
- 10) Three Proposed Borrow Pits for the Improvements on National Road 11, Section 3 from Km50 to Km57.20 in Newcastle, KwaZulu-Natal Province. Basic Assessment (Borrow Pit authorisation) and Public Participation Process.
- 11) Proposed Desludging and Lining of Dam 02 within the Northern WwTW, Gauteng Province. Basic Assessment and public participation.
- 12) Proposed Limpopo Central Hospital. Scoping and EIA; post-authorisation works, and Public Participation Process.

- 13) Hammarsdale Water Pipeline Application for Environmental Authorisation Amendment Part 1. Amendment process.
- 14) Construction of Warehousing, Sales and Truck Facilities on Portion 220 of the Farm Wagendrift No. 798 of Estcourt, Uthukela District. Application for Environmental Authorisation Amendment Part 1.
- 15) Gauteng Rapid Land Release Programme – Basic Assessment reports and public participation material prepared for a number of land parcels falling within the programme.
- 16) Proposed K60 Road in Rabie Ridge, Gauteng Province. Basic Assessment Process and Public Participation Process.
- 17) Lower uMkhomazi Bulk Water Supply System (LUBWSS) in KwaZulu-Natal Province. EA Amendment Part 2 and Basic Assessment and Public Participation Process.
- 18) Proposed Van Dyk Water Pipeline. Basic Assessment and Public Participation Process.
- 19) Proposed Blaaupan Outfall sewer. Basic Assessment and Public Participation Process.
- 20) Proposed Bulk Services in Support of the Leratong Smart City Development, Kagiso. Basic Assessment and Public Participation Process.
- 21) Proposed K111 Provincial Road. Scoping and EIA and Public Participation Process.
- 22) Proposed SERE Solar Photovoltaic Plant Phase 1A and associated infrastructure, Western Cape Province. Basic Assessment and Public Participation Process.

#### **Water Use Licence Applications (WULAs):**

- 1) Proposed Roads and Stormwater Infrastructure for Soshanguve Block L, City of Tshwane Metropolitan Municipality. WULA and Public Participation Process.
- 2) Proposed Marotola Primary School Borehole Upgrade and Internal Infrastructure in Hammanskraal, Gauteng Province. WULA and Public Participation Process.
- 3) Duvha Ash Dam and Ash Water Return Dams Seepage Interception Drains in Mpumalanga Province. WULA and Public Participation Process.
- 4) Proposed Rockville Student Village and Lifestyle Centre, Gauteng Province. WULA and Public Participation Process.
- 5) Proposed Noordhang Ext. 90, The Ramakrishna Centre of South Africa – Phoenix, Johannesburg Sub Centre Ashram Development, City of Johannesburg Metropolitan Municipality. WULA and Public Participation Process.
- 6) Construction of Two Culvert Bridge Crossings Across Rivers in Mkhondo Local Municipality, Mpumalanga Province. WULA and Public Participation Process.
- 7) Lower uMkhomazi Bulk Water Supply System in KwaZulu-Natal Province. WULA and Public Participation Process.
- 8) Proposed Desludging and Lining of Dam 02 within the Northern WwTW, Gauteng Province. WULA and Public Participation Process.
- 9) Proposed Nketoana Regional Bulk Water Scheme Phase 2 – Reitz WTW to Petrus Steyn. WULA Report compilation.
- 10) Proposed K60 Road in Rabie Ridge, Gauteng Province. WULA and Public Participation Process.
- 11) Proposed Van Dyk Water Pipeline. General Authorisation and Public Participation Process.
- 12) Proposed Blaaupan Outfall Sewer. WULA and Public Participation Process.

- 13) Proposed Bulk Services in Support of the Leratong Smart City Development, Kagiso. WULA and Public Participation Process.
- 14) Proposed Lanseria Outfall Sewer. WULA and Public Participation Process
- 15) Proposed K111 Provincial Road. WULA and Public Participation Process.

**Other Applications and Reports:**

- 1) Goedehoop Colliery Integrated Mining Right, EIA and Water Use License Applications: Public Participation Process and report review.
- 2) Goedehoop Colliery Socio-Economic Assessment: community and landowner consultation, interviews and formulation of socio-economic factors database.
- 3) Kiepersol Colliery and Railway Siding water quality monitoring: monthly surface and quarterly groundwater sample collection, interpretation of results, and monthly reporting.
- 4) Kiepersol Colliery EMPr Performance Assessment: performance assessment audit, public participation, and reporting.
- 5) Proxor Prospecting Right Application (S.16): Public consultation and compilation of consultation report.
- 6) Environmental Management Framework (EMF): City of Mbombela, public Participation.
- 7) Gauteng Province Rapid Release of Land Programme - Environmental Screening Reports for various land parcels.
- 8) Section 24G process for the Unlawful Construction and infilling of a Watercourse on Portion 1 of Erf 1433 Parkmore in Johannesburg. S24G Application and Public Participation.
- 9) Proposed Tembisa Civic Node Heritage Impact Assessment Public Participation Process.
- 10) University of Johannesburg Campus House 5 Heritage Impact Assessment – Public Participation Process.
- 11) Johannesburg Market Informal Trading Area Upgrade – Construction Environmental Management Programme and Waste Management Plan.
- 12) Mzimhlophe Pedestrian Bridge Environmental Screening Report.
- 13) Shatale Wastewater Treatment Works and associated reticulation Environmental Screening Report.
- 14) Bronkhorstspuit Special Economic Zone – Environmental Screening.
- 15) Maritime School of Excellence, Cape Town. Environmental Screening Report.
- 16) Proposed PRASA Perimeter Walling and Security Installation Project Environmental Screening Report.
- 17) Acacia Power Station Minimum Emission Standards (MES) Suspension Application Public Participation Process.
- 18) Port Rex Power Station MES Suspension Application Public Participation Process.
- 19) Extended Producer Responsibility (EPR) programme – Municipal Guideline for SALGA.
- 20) Integrated Waste Management Plan (IWMP): King Cetswayo District Municipality.
- 21) Sanitation in the Workplace Best Practice Guideline – as part of the deliverables for a Water Research Council (WRC) report.

**Environmental Control Officer (ECO) Experience:**

- 1) Prince Edward Islands: first designated ECO for the 69<sup>th</sup> expedition to Marion Island.

- a. Monitoring all Island activities (construction, logistics, and scientific research) compliance to the Environmental Authorisation, Prince Edward Island Management Plan, and relevant Permits, and associated monthly reporting;
  - b. Development and implementation of environmental management procedures, policies, and standard operating procedures (Inspection checklists; Island Biosecurity Plan and Procedure; Disease Outbreak Plan and Emergency Procedure; Hazardous substance spill emergency procedure; etc.);
  - c. Mitigation and control of environmental incidences;
  - d. Development, Implementation and monitoring of the intensive Alien Eradication and Control Programme (for 7 plant spp., 1 invertebrate, and 1 mammal spp.);
  - e. Development of a working Herbarium for Island flora.
- 2) Improvement and Upgrade of National Route R23 – Section 1 between Platrand and Standerton and Section 2 between Standerton and Greylingstad, South Africa: monthly ECO monitoring for SANRAL.
  - 3) Upgrade and Extension of the Klipdrift Water Treatment Works, South Africa: monthly ECO monitoring and reporting for Magalies Water.
  - 4) De-sludging of Dam 1 at Northern Wastewater Treatment Works, South Africa: monthly ECO monitoring and reporting for Johannesburg Water.
  - 5) Development of the Sol Plaatjie University Precincts, South Africa: monthly ECO monitoring and reporting for the Department of Higher Education and Training (DHET).
  - 6) Construction of the new University of Mpumalanga, South Africa: monthly ECO monitoring and reporting for the Department of Higher Education and Training (DHET).
  - 7) Construction of water pipeline in Ennerdale, South Africa: monthly ECO monitoring and reporting for Johannesburg Water.
  - 8) Construction of water pipeline from Wallmannsthal Reservoir to Zeekoegat Area, South Africa: monthly ECO monitoring and reporting for Magalies Water.
  - 9) Renovation and upgrade of the Marotola Primary School, Hammanskraal, South Africa: monthly ECO monitoring and reporting for Gauteng Province Department of Infrastructure Development.
  - 10) Construction of bulk water supply, Ledig Community, North West, South Africa: ECO monitoring and reporting for Bakubung Minerals.
  - 11) Upgrade of Emergency Overflow Dam at Driefontein Wastewater Treatment Works, South Africa: monthly ECO monitoring and reporting for Johannesburg Water.
  - 12) Oxford Parks Development, South Africa: monthly ECO monitoring and reporting for Intraprop Property Development and Investment.
  - 13) Sharonlea Housing Development, South Africa: monthly ECO monitoring and reporting for VTC Africa.
  - 14) Construction of the Hammarsdale water pipeline, Drummond, Durban. Fortnightly site inspections and monthly ECO compliance auditing for eThekweni Metropolitan Municipality: Roads and Sanitation Department.
  - 15) Olifants River Water Resources Development Project (ORWRDP) Phase 2C, South Africa: weekly ECO inspections and monthly ECO monitoring and reporting including participation in the Environmental Monitoring Committee, for Trans-Caledon Tunnel Authority (TCTA).
  - 16) Mixed Use Housing Development and Rondebult Road upgrade, Boksburg, South Africa: monthly ECO monitoring and reporting for Leeuwpoot Developments (Pty) Ltd.



- 17) Merapi and Everest Substation Upgrade, Free State, South Africa: biweekly ECO site inspections, monthly ECO monitoring, and reporting for Eskom Holdings SOC Ltd.
- 18) Legal Compliance Audit, Kusile Power Station Safety Health and Environmental (SHE) Legal Compliance Audit (2018), South Africa: Environmental compliance audit for Eskom Holdings SOC Ltd.
- 19) Technical and Compliance Assurance Audit on Waste Management Services Provided by EnviroServ Waste Management, South Africa: cradle to grave audit on selected waste streams generated by SASOL and handled by EnviroServ including duty of care compliance audit on EnviroServ systems and operations for SASOL Chemical Industries (Pty) Ltd.
- 20) Matimba Power Station, Waste Licence Audit (2019), South Africa: Environmental compliance audit for Eskom Holdings SOC Ltd.
- 21) Gijima Arbor Siding, Environmental Legal Compliance Audit (2019), South Africa: for Eskom SOC Ltd Primary Energy Division
- 22) Legal Compliance Audit, Eskom SoC Ltd Distribution Gauteng Operating Unit, Environmental Legal Compliance Audit (2020), for Eskom SoC Ltd Distribution Division.

**Peer Reviewed Publications:**

- 1) Le Roux, P.C., Boelhouwers, J., Davis, J.K., Haussmann, N.S., Jantze, E., Meiklejohn, K.I., 2011: Spatial Association of Lemming Burrows with Landforms in the Swedish sub-Arctic Mountains: Implications for periglacial feature stability. Arctic, Antarctic and Alpine Research, 43: 223-228.
- 2) Hedding, D.W., Meiklejohn, K.I., Le Roux, J.J., Loubser, M., Davis, J.K., 2010: Some observations on the formation of an Active Pronival Rampart at Grunehogna Peaks, Western Dronning Maud Land, Antarctica. Permafrost and Periglacial Processes, 21: 355-361.
- 3) Meiklejohn, I., Hall, K., and Davis, J., 2009: Weathering of rock art at two sites in the KwaZulu-Natal Drakensberg, southern Africa. Journal of Archaeological Science, 36: 973-979.