

# CURRICULUM VITAE

## KAREN JODAS

### SAVANNAH ENVIRONMENTAL (PTY) LTD

Profession	:	Environmental Consultant
Specialisation	:	Strategic environmental assessment and advice; project management and co-ordination of environmental projects; environmental compliance advise and monitoring; Environmental Impact Assessment; environmental management; peer review; policy, strategy and guideline formulation; renewable energy projects; water management
Work experience	:	Fourteen (14) years in the environmental assessment and management field

### VOCATIONAL EXPERIENCE

Provide technical input for projects in the environmental management field, specialising in strategic evaluation, Environmental Impact Assessment studies, Environmental Management Plans, integrated environmental management, environmental compliance monitoring (ECO role); peer review of EIA reports and processes, strategy and guideline development, and public participation. Key focus on overall Project Management, integration of environmental studies and environmental processes into larger engineering-based projects, strategic assessment, and the identification of environmental management solutions and mitigation/risk minimising measures.

Undertaking studies requiring all environmental-related disciplines has allowed for considerable experience to be gained in the environmental assessment and management fields. A specialist area of focus is on management and assessment of multi-faceted projects, including electricity generation and transmission projects (with a strong focus on the renewable energy sector), linear developments (roads and power lines), bulk infrastructure and supply (e.g. WTWs, pipelines, landfills), the mining industry, urban, rural and township developments, environmental aspects of IDPs, EMFs, SoERs, as well as environmental planning, development and management.

Working knowledge of environmental legislation, strategies, guidelines and policies. Compilation of the reports for environmental studies are in accordance with the all relevant environmental legislation, including the National Environmental Management Act, EIA Regulations and the Minerals and Petroleum Resources Development Act.

### SKILLS BASE AND CORE COMPETENCIES

- Fourteen years experience in the environmental management and impact assessment field
- Thirteen years experience in Project Management - Project management of large environmental assessment and management projects
- Strategic and compliance advise for all aspects of environmental assessment and management
- External and peer review of EIA reporting and EIA process
- Working knowledge of environmental planning policies, regulatory frameworks and legislation
- Identification and assessment of potential environmental impacts and benefits
- Development of practical and achievable mitigation measures and management plans and evaluation of risk to project execution
- Experienced in environmental compliance advise, monitoring and reporting for construction projects
- Compilation and review of the reports in accordance with all relevant environmental legislation
- Public participation/involvement and stakeholder consultation
- Environmental strategy, policy and guidelines development
- Experienced in assessments for both linear developments and nodal developments
- Key experience in the assessment of impacts associated with renewable energy projects
- Wide range of experience for public and private sector projects
- Completed projects in all nine Provinces of South Africa, as well as Zambia and Lesotho

## EDUCATION AND PROFESSIONAL STATUS

### Degrees:

- B.Sc Earth Sciences, majoring in Geography and Zoology, *Rhodes University, Grahamstown*, 1993
- B.Sc Honours in Geography (in Environmental Water Management), *Rhodes University, Grahamstown*, 1994. Major subjects included Water Resources Management, Streams Ecology, Fluvial Geomorphology and Geographic Information Systems.
- M.Sc in Geography (Geomorphology), *Rhodes University, Grahamstown*, 1996

### Short Courses:

Water Quality Management, *Potchefstroom University*, 1998  
Environmental Law Course, *Aldo Leopold Institute*, 2002  
WindFarmer Wind Farm Design course, *Garrad Hassan*, 2009

### Professional Society Affiliations:

Registered with the South African Council for Natural Scientific Professions as a Professional Natural Scientist: *Environmental Scientist (400106/99)*

### Other Relevant Skills:

Xtrack Extreme – Advanced Off-Road Driving Course (2003)

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## EMPLOYMENT

*2006 - Current: Director of Savannah Environmental (Pty) Ltd.* Independent specialist environmental consultant and advisor

*Jan 1997 – September 2005: Associate of Bohlweki Environmental (Pty) Ltd.* Environmental Management Unit: Manager; Principle Environmental Scientist focussing on Environmental Management and Project Management.

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## PROJECT EXPERIENCE

Experience includes projects associated with electricity generation and transmission, wastewater treatment facilities, mining and prospecting activities, property development, and national roads, as well as strategy and guidelines development. Current and recently concluded projects include:

### **Strategic and Regional Assessments**

- Strategic Regional Assessment for the Environmental Suitability of Wind Energy Facilities for the entire Western Cape Province (for DEA&DP)
- Regional Assessment for wind energy developments within an identified area in the Overberg Area of the Western Cape Province (for BioTherm Energy)
- Regional Assessment for wind energy developments within an identified area in the Sutherland Area of the Northern and Western Cape Province (for Investec Bank Limited)
- Regional Assessment for wind energy developments within an identified area on the West Coast of the Western Cape Province (for Investec Bank Limited)
- Regional Assessment for wind energy developments within an identified area on the West Coast of the Western Cape Province (for Eskom Holdings Limited)
- Five Regional Assessment for wind energy developments within five identified area across South Africa (for Eskom Holdings Limited)

### **Energy Sector Projects**

*Renewable power generation projects: wind energy facilities*

- Environmental Impact Assessment and Environmental Management Plan for the proposed Sere Wind Energy Facility on the West Coast in the Western Cape (for Eskom Generation)
- Environmental Impact Assessment and Environmental Management Plan for the proposed Wind Energy Facility at Hopefield, Western Cape (for Umoya Energy)
- Environmental Impact Assessment and Environmental Management Plan for the proposed Wind Energy Facility at Cookhouse, Eastern Cape (for African Clean Energy Developments)
- Environmental Impact Assessment and Environmental Management Plan for the proposed Flagging Trees Wind Energy Facility at Middelburg, Eastern Cape (for African Clean Energy Developments)

- Environmental Impact Assessment and Environmental Management Plan for the proposed ABS Wind Energy Facility near Indwe, Eastern Cape (for Rainmaker Energy)
- Environmental Impact Assessment and Environmental Management Plan for the proposed Dorper Wind Energy Facility near Molteno, Eastern Cape (for Rainmaker Energy)
- Environmental Impact Assessment and Environmental Management Plan for the proposed Amakhla Emoyeni Wind Energy Facility near Cookhouse, Eastern Cape (for Windlab Developments)
- Environmental Impact Assessment and Environmental Management Plan for the proposed Gouda Wind Energy Facility near Gouda, Western Cape (for VentuSA)
- Environmental Impact Assessment and Environmental Management Plan for the proposed Riverbank Wind Energy Facility near Wesley, Eastern Cape (for Just Energy)
- Environmental Impact Assessment and Environmental Management Plan for the proposed Suurplaat Wind Energy Facility near Sutherland, Northern and Western Cape (for Moyeng Energy)
- Environmental Impact Assessment and Environmental Management Plan for the proposed Wind Energy Facility near Britannia Bay, Western Cape (for TerraPower Solutions)
- Environmental Impact Assessment and Environmental Management Plan for the proposed Karoo Renewable Wind and PV Solar Energy Facility near Victoria West, Northern & Western Cape (for SARGE)
- Basic Assessments for wind monitoring masts at various sites and locations in the Western and Northern Cape Provinces (for various developers)
- Regional Assessments for site identification and/or assessment for several wind energy Developers across the Western and Northern Cape
- Strategic Regional Assessment for the Environmental Suitability of Wind Energy Facilities for the entire Western Cape Province for DEA&DP

*Renewable power generation projects: solar energy facilities*

- Regional Assessment as a siting tool for CSP projects in Limpopo Province
- Environmental Impact Assessment and Environmental Management Plan for the proposed Upington CSP Energy Facility near Upington, Northern Cape (for Abengoa Solar South Africa)
- Environmental Impact Assessment and Environmental Management Plan for the proposed Pofadder CSP Energy Facility near Pofadder, Northern Cape (for Abengoa Solar South Africa)
- Environmental Impact Assessment and Environmental Management Plan for the proposed Kathu & Sishen PV Solar Energy Facility near Kathu, Northern Cape (for REISA & VentuSA)
- Environmental Impact Assessment and Environmental Management Plan for the proposed Wagnbietjiespan PV Solar Energy Facility near Boshoff, Free State (for VentuSA)
- Environmental Impact Assessment and Environmental Management Plan for the proposed De Aar CSP Energy Facility at De Aar, Northern Cape (for African Clean Energy Developments)
- Environmental Impact Assessment and Environmental Management Plan for the proposed PV Solar Energy Facility near De Aar, Northern Cape (for Solar Capital)

*Power generation projects*

- Environmental Impact Assessment and Environmental Management Plan for the proposed Ankerlig OCGT to CCGT Conversion project, and the associated 400 kV transmission power line between Ankerlig and the Omega Substation, Western Cape (for Eskom Generation)
- Environmental Impact Assessment and Environmental Management Plan for the proposed Gourikwa OCGT to CCGT Conversion project, and the associated 400 kV transmission power line between Gourikwa and the Proteus Substation, Mossel Bay (for Eskom Generation)
- Basic Assessment for a new raw water reservoir and pipeline for the Medupi Power Station, Limpopo Province (for Eskom Generation)

*Transmission line projects*

- Environmental Impact Assessment and Environmental Management Plan for the proposed Steelpoort Integration Project, Limpopo Province (for Eskom Transmission)
- Environmental Impact Assessment and Environmental Management Plan for the proposed Kyalami/Midrand Substation and 3 Transmission lines, Gauteng (for Eskom Transmission)

**Compliance Advise and Monitoring**

- Project development compliance advise, and implementation and compliance monitoring of the Cookhouse Wind Energy Facility Environmental Authorisation and Environmental Management Plan (for ACED Renewables Cookhouse)
- ECO compliance monitoring for the construction of the De Hoop Dam (ORWRDP) as well as the diversion of the R555, Limpopo Province (5-year contract for DWA)
- Environmental Management Plan and ECO for existing and future development at Tiffindell Ski, Eastern Cape Province (for Tiffindell Ski (Pty) Ltd)
- Environmental Management Plan and ECO for construction for the upgrade of Prince Alfred Park Stadium, Nelson Mandela Bay, Eastern Cape (for Nelson Mandela Metropolitan Municipality)

### **Strategic Advice**

- Review the effectiveness and efficiency of the environmental impact management (EIA) system in South Africa, and formulate an environmental impact management strategy and action plan for National DEA
- Drafting a Position Paper: Project Financing and Environmental Risk Management (considering IFC Performance Standards & Equator Principles) for Standard Bank Group Limited
- Advice regarding environmental compliance of existing and future development at Tiffindell Ski, Eastern Cape Province (for Tiffindell Ski (Pty) Ltd)
- Advice regarding environmental compliance for operations at Salberg Concrete Products factory, Gauteng (for Salberg Concrete Products)

### **Peer/external EIA review**

- Review of 13 EIAs submitted in terms of the ECA for the Northern Cape Department of Tourism, Environment and Conservation (for DEAT) – acting as an agent for Northern Cape DTEC
- Peer Review of EIA process and reporting for the Malelane Substation and Komatipoort-Marathon 275kV Transmission Line turn-in (for SiVEST / Eskom Transmission)

### **Environmental Management Tools**

- Compilation of a comprehensive site-specific Environmental Management Plan (EMP) for the construction and operation of the Eskom Braamhoek Integration Project, Free State and KwaZulu-Natal Provinces (for Eskom Transmission)
- Development of an Environmental Impact Management System for Water Services-related projects for Limpopo Province (for DWAF Limpopo Province)
- Environmental Risk Analysis for Salbro-owned properties, Gauteng (for Salbro Property Holdings)
- Compilation of Provincial Guidelines for off-road routes in the Western Cape (for DEA&DP)
- Project integration and compilation of a Strategy for Sustainable Development for Gauteng Province (for GDACE)

### **Site Development and Construction Projects**

- Environmental Impact Assessment and Environmental Management Plan for the proposed Groot Letaba River Water Resource Development Project (EIA drafting team for Iliso Consulting)
- Basic Assessment for the proposed Stormwater Outfall from Zones 1 and 2 of the Coega IDZ, Eastern Cape Province (for Coega Development Corporation)
- Environmental risk analysis and compliance advice for Leopard's View guest lodge, Mpumalanga

### **Mining Sector Projects**

- Environmental Impact Assessment and Environmental Management Programme in terms of the MPRDA for the proposed Elitheni Coal Mine near Indwe, Eastern Cape Province (for Elitheni Coal)

Projects listed below include those projects undertaken at when employed at *Bohlweki Environmental*.

### **Electricity Sector projects**

#### **Power Generation Projects**

- Project Manager for the environmental impact assessment for the site selection for a new coal-fired power station (Matimba B) in the Limpopo Province
- Project Manager for the Public Participation Process for the proposed Return-to-Service of the Komati Power Station, Mpumalanga Province
- Project Manager for the Public Participation Process for the proposed Return-to-Service of the Grootvlei Power Station, Mpumalanga Province
- Project Manager for the Detailed Environmental Scoping Study for the proposed Capacity Increase Project at Arnot Power Station, Mpumalanga Province
- Project Manager for the Public Participation Process for the proposed Return-to-Service of the Camden Power Station, Mpumalanga Province
- Project Manager for the Environmental Pre-Scoping Study for the proposed Solar Thermal Power Plant, in the Northern Cape Province

#### **Electricity Transmission Projects**

- Project Director for the EIA for the proposed 765kV Transmission Powerline between Hydra Substation (near De Aar) and the proposed Gamma Substation (near Victoria West), Northern Cape Province
- Project Manager for the Environmental Impact Assessment for the 3<sup>rd</sup> 400 kV Transmission line

- between the Poseidon and Grassridge Substations in the Eastern Cape Province
- Project Manager for the Environmental Impact Assessment for the proposed new 400 kV Transmission line between Matimba and Witkop Substations, Limpopo Province
- Project Manager for the Environmental Impact Assessment for the proposed new Ikaros Substation and associated 400 kV Transmission line infrastructure, North West Province
- Project Manager for the Detailed Environmental Scoping Study for the Redhill Strengthening Project: proposed new Redhill Substation and associated new 132 kV Distribution line
- Project Manager for the Detailed Environmental Scoping Study for the Breyten Strengthening Project: proposed new Breyten Substation and associated 88 kV Distribution line
- Project Manager for the Environmental Impact Assessment for nine new 132 kV powerlines between the Grassridge Substation and the Coega Industrial Development Zone, Eastern Cape
- Project Manager for the Environmental Impact Assessment and Environmental Management Plan for the proposed Eiland Rural Substation, and the associated 132 kV distribution line, North West Province
- Project Manager for the detailed Environmental Scoping Study and EMP for the proposed Everest Substation, and the 132 kV powerline between Simplon and Everest Substations, Mpumalanga
- Environmental scoping study and environmental management plan for the proposed establishment of Eskom infrastructure for the C-Cut Project at Premier Mine, Cullinan
- Project Manager for the Environmental Impact Assessment for the proposed Eskom 2<sup>nd</sup> 400 kV Transmission line between Grassridge and Poseidon Substations, Eastern Cape

### ***Specialist projects***

- Development of an Integrated Environmental Policy for the City of Tshwane Metropolitan Municipality (CTMM)
- Ad hoc advice to ERWAT regarding the implementation of Module 4 at the Waterval Wastewater Treatment Works, Gauteng Province.
- Review of the State of the Environment Report for the North West Province
- Development of a Flood Warning System and Flood Notification Procedures for No 7 Dam at Premier Mine, Cullinan for De Beers.
- Detailed specialist environmental impact assessment of water supply and liquid waste disposal infrastructure options associated with a proposed hotel development site at the Victoria Falls, Zambia for Sun International
- Contributing to the drafting of the draft White Paper on Integrated Pollution Control and Waste Management for the Department of Environment Affairs and Tourism (DEAT) and the Department of Water Affairs and Forestry (DWAF), as well as being Project Committee Secretary for the project
- Acting as Project Committee Secretary for the inception phase of the formulation of the National Waste Management Strategy funded by DANCED
- Preparation of a summary document for a Ministerial Briefing for the rehabilitation of the Pomfret Military Base areas polluted by Asbestos
- Monitoring landfill gas at Pretoria-North landfill for final rehabilitation of the site

### ***Environmental Management Plans***

- Environmental Management Plan for the proposed N2 Wild Coast Toll Road between East London (Eastern Cape) and Durban (KwaZulu-Natal)
- Environmental Management Plan for repairs of portions of the N3 and N1, Gauteng
- Environmental Management Plan for the Proposed C-Cut Development at Premier Mine, Cullinan
- Environmental Management Plans for various Eskom Distribution powerlines within South Africa

### ***Property development projects***

- Environmental Scoping Study for upgrading and extensions at Tiffindell Ski Resort, Eastern Cape
- Exemption application for the establishment of a township development at Eden Park, for Alberton Town Council
- Detailed Environmental Scoping Study for the Thaba ya Batswana Development on portions of the Farm Rietvlei 101 IR, Gauteng

### ***EIAs for Technology projects***

- Project Manager for the Environmental Impact Assessment for the proposed Alternative Fuels and Resources Project at the Holcim South Africa Plant in Dudfield, North West Province
- Project Manager for the Environmental Impact Assessment for the establishment of a Waste Blending Platform within the Gauteng Province to produce alternative fuels for use by cement kilns (a Holcim South Africa and EnviroServ Joint Venture)
- Project Manager for the Environmental Impact Assessment for the proposed Alternative Fuels and

Resources Project at the Holcim South Africa Ulco Plant near Kimberley in the Northern Cape Province

### ***Water Resources projects***

- Project Manager for the Environmental Impact Assessment for the establishment of three new DWAF gauging weirs at 1 site on the Vaal River and 2 sites on the Orange River, Northern Cape Province
- Environmental exemption application for the construction of an emergency water supply pipeline from Mamelodi to Ekandustria via Cullinan, Gauteng Province for Rand Water
- Environmental Scoping Report for the construction of a water reclamation plant at Southern Wastewater Treatment Works, Durban for OTV France
- Environmental impact assessment of new regional water care infrastructure in the DD5A sub-drainage district in Eastern Gauteng (adjacent to the Blesbokspruit Ramsar Site) for the East Rand Water Care Company (ERWAT)
- Environmental impact assessment of the old Klipspruit and Goudkoppies Wastewater Treatment Works and the Goudkoppies Landfill Site for the Greater Johannesburg Metropolitan Council
- Environmental evaluation of six preferred wastewater disposal options for Durban Metropolitan Council Wastewater Management Department, as well as contributing to the integrated assessment of these preferred options
- Department of Water Affairs & Forestry Water License Applications for operations at the Holcim South Africa Dudfield Plant, North West Province
- Preparation of a Water Quality Management Report (WQMR) and an Environmental Scoping Assessment for the proposed extension to Dassenhoek Wastewater Treatment Works, Durban
- Assisting in the final preparation of the Water Management Plan for the Free State Goldfields and Lower Vet River Catchment for DWAF

### ***Mining sector projects***

- Mining license application and EMPR for the Majuba Power Station underground coal gasification site, Mpumalanga Province for Eskom TSI
- Project Manager for a Social Impact Assessment for Kimberley Mines, for De Beers
- Environmental Management Programme Report (EMPR) for the proposed formalisation of small-scale clay mining for a brick-making enterprise pilot project in QwaQwa, Free State Province for Mintek
- Environmental Management Programme Reports (EMPR) for the proposed formalisation of seven small-scale sandstone mining sites in QwaQwa, Free State Province for Mintek
- Environmental Management Programme Report (EMPR) for prospecting activities within the Premier Mine Game Farm, Cullinan for De Beers Consolidated Mines Limited
- Project Manager for the environmental studies for the C-Cut Development at Premier Mine, Cullinan for De Beers Consolidated Mines Limited: Environmental Scoping Report (ESS); Environmental Impact Assessment (EIA); Environmental Management Plan (EMP); and Environmental Management Programme Report (EMPR)

### ***Transportation projects***

- Project Manager for the Environmental Impact Assessment and Environmental Management Plan for the proposed N2 Wild Coast Toll Road between East London (Eastern Cape) and Durban (KwaZulu-Natal) (approximately 550km)
- Environmental Impact Assessment for the proposed Platinum Highway from Warmbaths via Pretoria to Skilpadhek (on the South Africa-Botswana border), including the application for all relevant permits, for the Bakwena Consortium
- Environmental Management Plan for repairs of portions of the N3 and N1, Gauteng
- Environmental Opportunities and Constraints Assessment for the Wonderboom Airport
- Considerations of environmental aspects for the Denneboom Local Integrated Transport Plan

## CURRICULUM VITAE OF ANSONE' ESTERHUIZEN

<b>Profession :</b>	Environmental Assessment Practitioner
<b>Specialisation:</b>	Environmental Management; Strategic environmental advice; Environmental compliance advice & monitoring; Environmental Impact Assessments; Policy, strategy & guideline formulation; Project Management, Environmental Compliance, Public Participation, Various licensing, cartography (GIS), environmental sensitivity analysis for renewable energy project (wind and solar). Socio Economic analysis and Report writing, Climate change analysis, mitigation and adaptation analysis and reporting.
<b>Work Experience:</b>	4 years' experience in Environmental Management, Sustainable development, Climate change analysis, Impact Assessment & GIS

### VOCATIONAL EXPERIENCE

An innovative and dependable individual specializing in Environmental Management with Bachelor of Arts and currently pursuing BSc (Hons) from the University of South Africa, with sound knowledge of Environmental Management principles as well as adherence to Environmental legislation regulations, in-depth knowledge of GIS and EIA Processes

Professional experience in conducting a range of environmental studies in the broad fields of Environmental Management. This includes but is not limited to Basic Assessments, Environmental Impact Assessments, Scoping and EIR, General Authorizations, Auditing, Water Use Licenses, permits & licencing, GIS Mapping, Public Participation and Environmental Management plans

Responsibilities include report writing, compilation of project specific mapping, project management, review of specialist studies and the identification and assessment of potential negative environmental impacts and benefits. Compilation of the reports for environmental studies is in accordance with all relevant environmental legislation.

Experience in conducting environmental impact assessments for agricultural development, Infrastructure expansion, energy developments, industrial and residential development, licencing for projects as well as undertaking environmental audits.

Passionate about Low carbon economy and Green Energy technology development and implementation; Waste to Energy & Wastewater treatment technology rollout; Solar PV technology designs and training; ability to Advice on Climate Change adaptation and resilience.

### SKILLS BASE AND CORE COMPETENCIES

- Compilation of environmental impact assessment reports and environmental management programmes in accordance with relevant environmental legislative requirements, Environmental Compliance and Audits
- Licencing applications
- GIS analysis and mapping as per project specifications
- Adaptability and ability to handle pressure
- Organisational skills
- Ability to build and maintain client relationships
- Loyalty, dedication, and dependability
- Ability to coordinate and synthesize environmental information
- Ability to work to tight deadlines and on multiple projects
- MS Office Package (Word, PowerPoint, and Excel)
- Google Earth
- Project management for a variety of projects
- Public participation process for a variety of projects

### EDUCATION AND PROFESSIONAL STATUS

#### **Degrees:**

- B.Sc. (Hons) Environmental Management (2022), University of South Africa (UNISA)
- B.A. Environmental Management (2020), University of South Africa (UNISA)

#### **Short Courses:**

- ISO 14001:2015 Environmental Management Systems – Christina Lupa (Udemy)
- QGIS and Google Earth Engine for environmental applications – Kate Alison (Udemy)
- Environmental Education: Climate Change the science – Alison Courses
- Diploma in Energy economics, Energy systems and Environmental Impact – Alison Courses

#### **Professional Society Affiliations:**

- South African Council for Natural Scientific Professionals - Candidate Natural Scientist: Environmental Scientist
- Environmental Assessment Practitioners Association of South Africa – Environmental Assessment Practitioner
- International Association of Impact Assessment South Africa

- Institute of Waste Management of Southern Africa
- Society of South African Geographers
- Sustainable Procurement & Supply Chain (SPSC) Ambassador

**Other Relevant Skills:**

- Water Use Licensing on EWULAAS
- Air emissions licencing
- Waste emissions licencing
- Compiling project budgets and proposals
- ISO implementation and adaptation

EMPLOYMENT		
Date	Company	Roles and Responsibilities
07 February 2022 - Current:	Savannah Environmental (Pty) Ltd	<p><i>Environmental Assessment Practitioner</i></p> <p><u>Tasks include:</u></p> <ul style="list-style-type: none"> <li>• Undertake environmental screening assessments, environmental permitting, and environmental authorisation applications.</li> <li>• Undertake water use authorisation applications on the e-WULAA system.</li> <li>• Complete Part 1 and Part 2 EA amendment applications and prepare motivation reports in support of applications for Part 2 EA amendments.</li> <li>• Undertake environmental compliance audits and provide ECO services.</li> <li>• Efficient and quality report writing to execute and manage the delivery of environmental impact assessment (EIA) reports and Environmental Management Programmes in line with the requirements of the National Environmental Management Act and EIA Regulations.</li> <li>• Liaison with relevant environmental authorities.</li> <li>• Execution of the public participation process.</li> <li>• Professional client liaison.</li> <li>• Project management.</li> <li>• Manage third parties or sub-consultants to which functions have been outsourced.</li> <li>• Preparation of proposals and budgets.</li> </ul>
January 2021 – February 2022	VARIOUS ENVIRONMENTAL AGENCIES	<p><i>Freelance Environmental Consultant</i></p> <p><u>Tasks included:</u></p> <ul style="list-style-type: none"> <li>• Implementing procedural, reporting, and monitoring requirements as prescribed by Environmental Legislation and applicable Regulations, Environmental Management, Compliance and Monitoring.</li> <li>• License application, amendments, and renewal - WUL, AEL, WML, EMPr</li> <li>• IWWMPs, Waste Management Licenses, Financial Provision Reporting for mining projects, Public Participation, Specialist liaison, Auditing, Site Assessments and Gap Analysis</li> <li>• BA, EMPs, EIA, Environmental Authorization assistance and drafting of various reports, where relevant, review of EIA/ESIA and permits to ensure compliance Standards and applicable legislation</li> <li>• Waste Management, Mine Health and Safety, Environmental Awareness and Training, Administration and Reporting</li> <li>• Environmental Management System - ISO14001:2015</li> <li>• Permits: FLORA and FAUNA</li> <li>• Review bid documents to understand the requirement and deliverables of the tender.</li> <li>• Review and approve monthly ECO reports to ensure the report is accurate and reflective of site conditions.</li> <li>• Experience working with renewable energy projects</li> <li>• Prepare technical reports and inputs for programme preparation and documentation, ensuring accuracy, timeliness, and relevance of information.</li> <li>• Prepare required documentations/materials to facilitate and review processes.</li> <li>• Work collaboratively with internal and external colleagues and partners to collect/analyse/ share information on implementation issues, suggest solutions on routine implementation of relevant projects and alert appropriate officials and stakeholders for higher-level interventions and/or decision.</li> <li>• Keep record of reports and assessments for easy reference.</li> <li>• Monitor and report on the use of sectorial program resources (administrative and other assets), verify compliance with approved allocations based on regulations/procedures commitments with standards of accountability and integrity.</li> </ul>



		<ul style="list-style-type: none"> <li>• Undertake field visits and surveys, collect, and share reports with partners/stakeholders. Report critical issues, bottlenecks, and potential problems to supervisor, for timely action.</li> <li>• Support the project team/s in the design, development, implementation, management, and monitoring of renewable interventions, as needed.</li> <li>• Client liaison, site visits and ensure completion of projects / project deliverables as per the agreed project plans and budget</li> <li>• Community engagement as the community is one of the major stakeholders in the project. Project tracking and weekly/monthly process reports and manage key relations with key stakeholders.</li> </ul>
2018 - 2021	NALI SUSTAINABILITY SOLUTIONS, SOUTH AFRICA	<ul style="list-style-type: none"> <li>• <i>Environmental Control Officer</i></li> <li>• Implementing procedural, reporting, and monitoring requirements as prescribed by Environmental Legislation and applicable Regulations.</li> <li>• Implementing, assessing, and monitoring performance, commitments, and recommendations of the Site's Environmental Management Program, authorizations, and assessments.</li> <li>• Compiling and Implementing of Environmental Standard Operating Procedures (SOPs).</li> <li>• Managing small team of workers that aids in ensuring environmental compliance also compiling and Implementing Environmental Awareness Program.</li> <li>• Ensuring daily Environmental risk assessments, hazard identification and rectification.</li> <li>• Forecast necessary budgets to bring the potential project in compliance with best practice to support Project Finances offer preparation</li> <li>• Implementing, maintaining, and monitoring an environmental management system based on the operations' approved EMP, Water licensing and Authorization.</li> <li>• Compiling monthly reports on pertinent environmental monitoring data and maintaining a system of reporting environmental incidents and reviewing recommendations to rectify deviations.</li> <li>• Identifying, classifying, and rehabilitating indigenous and invasive Fauna and/or Flora.</li> <li>• Updating and maintaining operation's environmental aspect register and monitoring management programs/actions for significant aspects.</li> <li>• Directing employees and sub-contractors regarding implementation of environmental requirements such as pollution control, waste reduction, best environmental management practices as well as other requirements listed in the approved EMP, Environmental Authorization (EA), and Integrated Water Use License (IWUL).</li> <li>• Conducting regular environmental audits to ensure that environmental requirements are adhered to.</li> <li>• Managing Waste Collection on site and keeping records of waste disposal certificates.</li> <li>• Maintaining a database of water consumption, and distribution also ensuring legal compliance with all Environmental policies as well as provision of input into policy updates and reviews.</li> <li>• Reviewing and updating ISO 14001 procedures and policies when necessary.</li> </ul>
2017 - 2021	O2 Environmental Consulting	<p><i>Junior Environmental Assessment Practitioner</i></p> <p>Tasks</p> <ul style="list-style-type: none"> <li>• Training and experience in applying the principles of Integrated Environmental Management (IEM), and in applying the Environmental Impact Assessment (EIA) Regulations to a number of development projects and initiatives in South Africa that trigger the National Environmental Management Act and/ or the National Environmental Management: Waste Act.</li> <li>• Facilitation, co-ordination, and management of all aspects of the EIA process.</li> <li>• Liaising with specialists and all members of the project team to ensure a full understanding of the scope of work required throughout the process.</li> <li>• The compilation of reports: Constraints Analysis, Basic Assessment Reports, Scoping and Environmental Impact Assessment Reports, and Damage Assessment Reports (24G Applications) WULA, waste management plans, environmental audits etc.</li> <li>• Liaising with interested and affected parties and facilitating the public participation process required in terms of the EIA Regulations</li> <li>• Environmental Management Programmer</li> <li>• Environmental Authorizations processes</li> <li>• Site inspection and compliance monitoring</li> <li>• Develop and compile climate change response plans for Department of Agriculture, Land Reform and Rural Development</li> <li>• Subcontractor audits and Supplier Due Diligence audits.</li> </ul>

		<ul style="list-style-type: none"> <li>Action Plan Compilation for Environmental Control Officer Reports Findings.</li> <li>Update and maintain Environmental Performance Tracker.</li> <li>Appointing relevant specialists for different environmental disciplines (such as biodiversity specialist, aquatic specialists, avifaunal specialist etc.); Reviewing and commenting on specialists' reports;</li> </ul>
2014 – 2016	Various	<ul style="list-style-type: none"> <li>Administrative Roles at various organizations</li> </ul>

## PROJECT EXPERIENCE

Anson's has expertise in environmental project management, drafting & reporting, conducting site environmental inspections, resource management, rehabilitation, conservation, waste management, environmental awareness facilitating, vegetation analysis, public participation, and Environmental Management systems such as ISO14001:2015

### RENEWABLE POWER GENERATION PROJECTS

Environmental Impact Assessments and Environmental Management Programmes

Project Name & Location	Client	Role
4x Pixley Park Solar PV Cluster & 4x Grid Connection infrastructure, Northern Cape	Mullilo Energy Development	EAP and Team Lead
Umbhila Wind and Solar PV developments, Mpumalanga	Windlab Development SA (Pty) Ltd	EAP
3x Sibanye Stillwater Cluster, North West	Sibanye Stillwater PGM	EAP and Team Lead
Pivot Development and Expansion, Free State	JN Venter Boerdery (Pty) Ltd	EAP
6x Harmony Gold Phase 2 Solar PV developments, Free State & North West	Harmony Gold (Pty) Ltd	EAP and Team Lead
4x Goldfields Wind and Solar Renewable Energy Development, Gauteng	Goldfields Mining and Development (Pty) Ltd	EAP and Team Lead

Basic Assessments and Environmental Management Programmes

Project Name & Location	Client	Role
3x ZEN Gridlines, Western Cape	FE Bonne (Pty) Ltd	EAP and Team Lead
Orkney SEF, North West	Genesis Eco Energy Development	EAP
Highveld Solar and Grid connection, North West	Genesis Eco Energy Development	EAP and Team Lead

Environmental Permitting

Project Name & Location	Client	Role
Sibanye Stillwater Cluster, 3X WUL, North West.	Sibanye Stillwater PGM	EAP and Team Lead

### INFRASTRUCTURE DEVELOPMENT PROJECTS (BRIDGES, PIPELINES, ROADS, WATER RESOURCES, STORAGE, ETC)

Environmental Impact Assessments and Environmental Management Programmes

Project Name & Location	Client	Role
New Wave Dam, Northern Cape	New wave farming (Pty) Ltd	EAP

Basic Assessments and Environmental Management Programmes

Project Name & Location	Client	Role
KZN Road Development	KZN Road Agency	EAP
Various Cell phone Masts within the Western and Northern Cape	Various	EAP
Motsoaledi Filling Station, Limpopo	Tshikovha green	EAP
Nylstene Bricks, North West	Nylstene Pty Ltd	
Tugela Filling Station Expansion		EAP

Environmental Compliance, Auditing and ECO

Project Name & Location	Client	Role
Kwaggas Nek ECO, KZN	Green mined (Pty) Ltd	ECO
Middelburg Quarry EPA, Mpumalanga	Green mined (Pty) Ltd	ECO
Wit Kloof Quarry, EPA, Mpumalanga	Green mined (Pty) Ltd	ECO
Pick n Pay warehouse, Gauteng	Nail Sustainability Solutions (Pty) Ltd	ECO

The Development and Preventative Maintenance of Road D1483 (R572), Limpopo	Roads Agency Limpopo	ECO
EMP Borrow pits for Upgrading of Road from Modioli to Mabatlane, Limpopo	Roads Agency Limpopo	ECO

#### Environmental Permitting

Project Name & Location	Client	Role
New Wave Dam, WUL, Northern Cape	New wave farming (Pty) Ltd	EAP

#### Other

Project Name & Location	Client	Role
Substantive Amendment to EIA for Road development, Western Cape	Private Client	EAP & Public Participation
Melk boom Dam 24G application, Kimberly	Melk boom Farming (Pty)Ltd	EAP
Warmbokkeveld pipeline rehabilitation, Northern Cape	EnviroAfrica CC	EAP & Author
Vyeboom Mission Rehabilitation, Western Cape	EnviroAfrica CC	EAP & Author
Ceres Pipeline Maintenance Management Plan, Western Cape	EnviroAfrica CC	EAP & Author
Springbok Northern Cape Water Pipeline ECO and Rehabilitation work, Northern Cape	EnviroAfrica CC	ECO & Author
Henkries Pipeline, Northern Cape	Henkries Local Municipality	ECO
Kathu Filling Station, Northern Cape	EnviroAfrica CC	ECO
Lambertsbaai Desalination plant, Western Cape	Lambertsbaai Local municipality	ECO
Feldspar Mine, Western Cape	Feldspar Mine (Pty) Ltd	ECO

### INDUSTRIAL, FARMING AND RESIDENTIAL DEVELOPMENT PROJECTS

#### Environmental Impact Assessments and Environmental Management Programmes

Project Name & Location	Client	Role
Balfour Fuel Depot Expansion, Mpumalanga	Barabara Road Binders (Pty)	EAP
Styerkraal Agricultural Holdings, Western Cape	Styerkraal Agricultural Holdings CC	Project Manager and EAP

#### Basic Assessments and Environmental Management Programmes

Project Name & Location	Client	Role
Prodipix Shopping mall and Filling station, Mpumalanga	Prodipix Pty Ltd	Project Manager & EAP
Loyebo Shopping complex, KZN	Mboma Property Ltd	Project Manager & EAP
Alberton Piggery Expansion, Gauteng	Tshikovha Green	EAP & Public Participation
Upington Crematorium, Northern Cape	Upington Crematorium	EAP & Public Participation
Ramotswe Housing Development, Limpopo	Makepise Filling Station (Pty) Ltd	EAP
Nkateko Housing Development, Limpopo	Nkateko Properties cc	EAP
Homu Shopping Centre	Makepise Filling Station (Pty) Ltd	EAP

#### Environmental Compliance, Auditing and ECO

Project Name & Location	Client	Role
River sand Massmart, Gauteng	Massmart (Pty) Ltd	ECO & Compile EMP

#### Environmental Permitting

Project Name & Location	Client	Role
Styerkraal Agricultural Holdings, WUL Application, Western Cape	Styerkraal Agricultural Holdings CC	EAP and Team Lead
Upington Crematorium, AEL, Northern Cape	Upington Crematorium	EAP & Public Participation

Other

Project Name & Location	Client	Role
Strysbaci Church 24G Application, Western Cape	Church of the Latter-day Saints	EAP

Mining

Project Name & Location	Client	Role
MPH Mining Prospecting Right Renewal, Northern Cape	MPH MINING (Pty) Ltd	Project Lead & Report Compiler
Vengablox De Klerks Kraal Social Labour Plan (SLP) & Mine Charter Report (MCR, Northern Cape	Vengablox (Pty) Ltd	Project Lead & Report Compiler
Zandberg SLP & MCR, North West	Zandberg Mine (Pty) Ltd	Project Lead & Report Compiler
Wansley SLP & MCR, Gauteng	B&E International	Project Lead & Report Compiler
De Aar Stone Crushers SLP & MCR, Northern Cape	De Aar Empowerment CC	Project Lead & Report Compiler
Bridge Town SLP & MCR, Northern Cape	Lime Sales (Pty) Ltd	Project Lead & Report Compiler
Affordable Outcome Prospecting right Renewal, Free State	Invest in Property 99 (Pty) Ltd	Project Lead & Report Compiler
Ouwerf Mining right renewal, Western Cape	Ouwerf Boerdery CC	Project Lead & Report Compiler
Aroms Mining right renewal, Northern Cape	Lime Sales (Pty) Ltd	Project Lead & Report Compiler
Orchards Mining right Renewal, Eastern Cape	Marikana Brick (Pty) Ltd	Project Lead & Report Compiler

ENVIRONMENTAL, SUSTAINABILITY OR GIS PROJECTS

Project Name & Location	Client	Role
National Climate Change Adaption and Mitigation Strategy	Department of Agriculture, Land Reform and Rural Development	Environmental Advisor
KCM Environmental	KCM Environmental	Environmental Advisor
GIS Mapping	MKD Environmental	GIS Specialist
GIS Mapping	Matavha Environmental	GIS Specialist
Socio-Economic analysis	Toma-Now	Soico-Economic Analyst

# CURRICULUM VITAE OF CHANTELE GEYER

## Comprehensive CV

<b>Profession :</b>	Junior Environmental Consultant
<b>Specialisation:</b>	Environmental Management; Project-related GIS mapping; Public Participation Administration; Environmental Compliance.
<b>Work Experience:</b>	Three (3) months in the environmental field.

### VOCATIONAL EXPERIENCE

Chantelle is a conscientious and ambitious junior Environmental Consultant who holds a BSc(Hons) degree in Environmental Geology. She recently graduated from the North-West University where she consistently stayed in the top 3 of her class. She joined a group of passionate academic peers in her third year to create the first North-West University Geoscience Society to teach young earth scientists about the environment and introduce them to professional mentors, thus bridging the gap between university and a professional career. She was appointed as project manager for this society for two consecutive terms and organized career talks, academic game shows, alumni talks, clean-up initiatives, and numerous team-building events.

She has special interests in geological formations, geochemistry, minerals, contamination studies, rehabilitation and restoration of disturbed areas, as well as hydrology. However, she found her passion for Environmental Management during an environmental internship where she gained experience in:

- Environmental audits
- Water use licences
- Public participation processes
- Environmental Impact Assessments

Chantelle is a loyal and enthusiastic individual who is dedicated to further her studies in Environmental Management, Environmental Legislation, GIS-mapping, and studies on the renewable energy sector of South Africa. Her goal is to gain knowledge in the processes of Basic Assessments, EIAs, Environmental Compliance, public participation, screening assessments, and environmental authorisation applications. She aims to use this knowledge to strategically consult clients and undertaking projects efficiently and to the highest standard.

### SKILLS BASE AND CORE COMPETENCIES

- Great organisational skills
- Good at time management
- Passionate about the environment
- Compilation of Basic Assessment Reports in compliance with environmental legislation.
- Project management for environmental-related events and projects.
- Water Use Licences
- Aiding with public participation processes.
- Experience with South African environmental legislation.

## EDUCATION AND PROFESSIONAL STATUS

### Degrees:

- BSc Environmental Sciences, North-West University, Potchefstroom (2021)
- BSc Honours Environmental Geology, North-West University, Potchefstroom (2022)

### Short Courses:

- Advanced Microsoft Excel Qualification, Lead Academy (2020)

### Professional Society Affiliations:

- Registered with the International Association for Impact Assessment South Africa (IAIAsa)

## EMPLOYMENT

Date	Company	Roles and Responsibilities
July 2022 - Current:	Savannah Environmental (Pty) Ltd	<i>Junior Environmental Consultant</i> <u>Tasks include:</u> <i>Environmental Assessment Practitioner (EAP); Specialising in project-related GIS mapping. Performing Basic Assessment Reports and Environmental Impact Assessments, Assisting on administrative public participation documents.</i>
September 2021 – November 2021	Prescali Environmental (Pty)	<i>Environmental Intern</i> <u>Tasks included:</u> <i>Liaising with senior management on environmental concerns, Preparing Water Use Licence (WUL) audits, Taking minutes during meetings, Public Participation tasks.</i>

## PROJECT EXPERIENCE

Project experience includes construction of access roads and wind energy facilities (WEF).

### **INFRASTRUCTURE DEVELOPMENT PROJECTS (BRIDGES, PIPELINES, ROADS, WATER RESOURCES, STORAGE, ETC)**

#### **Basic Assessments**

Project Name & Location	Client Name	Role
Witberg Wind Energy Facility Road		Junior Environmental Assessment Practitioner

## CURRICULUM VITAE OF NICOLENE VENTER

<b>Profession :</b>	Public Participation and Social Consultant
<b>Specialisation:</b>	Public participation process; stakeholder engagement; facilitation (workshops, focus group and public meetings; public open days; steering committees); monitoring and evaluation of public participation and stakeholder engagement processes
<b>Work Experience:</b>	23 years' experience as a Public Participation Practitioner and Stakeholder Consultant

### VOCATIONAL EXPERIENCE

Over the past 23 years Nicolene established herself as an experienced and well recognised public participation practitioner, facilitator and strategic reviewer of public participation processes. She has experience in managing public participation and stakeholder engagement projects and awareness creation programmes. Her experience includes designing and managing countrywide public participation and stakeholder engagement projects and awareness creation projects, managing multi-project schedules, budgets and achieving project goals. She has successfully undertaken several public participation processes for EIA, BA and WULA projects. The EIA and BA process include linear projects such as the NMPP, Eskom Transmission and Distribution power lines as well as site specific developments such as renewable energy projects i.e. solar, photo voltaic and wind farms. She also successfully managed stakeholder engagement projects which were required to be in line with the Equator Principles, locally and in neighbouring countries.

### SKILLS BASE AND CORE COMPETENCIES

- Project Management
- Public Participation, Stakeholder Engagement and Awareness Creation
- Public Speaking and Presentation Skills
- Facilitation (workshops, focus group meetings, public meetings, public open days, working groups and committees)
- Social Assessments (Stakeholder Analysis / Stakeholder Mapping)
- Monitoring and Evaluation of Public Participation and Stakeholder Engagement Processes
- Community Liaison
- IFC Performance Standards
- Equator Principles
- Minute taking, issues mapping, report writing and quality control

## EDUCATION AND PROFESSIONAL STATUS

### Degrees / Diplomas / Certificates:

- Higher Secretarial Certificate, Pretoria Technicon (1970)

### Short Courses:

- Techniques for Effective Public Participation, International Association for Public Participation, IAP2 (2008)
- Foundations of Public Participation (Planning and Communication for Effective Public Participation), IAP2 (2009)
- Certificate in Public Participation – IAP2SA Modules 1, 2 and 3 (2013)

Certificate in Public Relations, Public Relation Institute of South Africa, Damelin Management School (1989)

### Professional Society Affiliations:

- Member of International Association for Public Participation (IAP2): Southern Africa

## EMPLOYMENT

Date	Company	Roles and Responsibilities
November 2018 – current	Savannah Environmental (Pty) Ltd	<p>Public Participation and Social Consultant</p> <p><i>Tasks include:</i></p> <p><i>Tasks include: Drafting of a Public Participation Plan with key deliverable dates and methodology to be followed, Background Information Document, Letters to Stakeholders and Interested and/or Affected Parties (I&amp;APs) inclusive of key project deliverables and responses to questions / concerns raised; Stakeholder identification; facilitating stakeholder workshops, focus group and public meetings; conduct one-on-one consultation with Community Leaders, Tribal Chiefs, affected landowners, etc.</i></p> <p><i>Managing interaction between Stakeholders and Team Members, liaising with National, Provincial and Local Authorities, managing community consultation and communications in project affected areas, attend to the level of technical information communicated to and consultation with all level of stakeholders involved.</i></p>



Date	Company	Roles and Responsibilities
2016 – October 2018	Imaginative Africa (Pty) Ltd <i>(Director of Imaginative Africa)</i>	Independent Consultant  Consulting to various Environmental Assessment Practitioners for Public Participation and Stakeholder Engagements:  <u>Tasks include:</u>  Tasks include: Drafting of a Public Participation Plan with key deliverable dates and methodology to be followed, Background Information Document, Letters to Stakeholders and Interested and/or Affected Parties (I&APs) inclusive of key project deliverables and responses to questions / concerns raised; Stakeholder identification; facilitating stakeholder workshops, focus group and public meetings; conduct one-on-one consultation with Community Leaders, Tribal Chiefs, affected landowners, etc.  Managing interaction between Stakeholders and Team Members, liaising with National, Provincial and Local Authorities, managing community consultation and communications in project affected areas, attend to the level of technical information communicated to and consultation with all level of stakeholders involved  <u>Clients:</u>  SiVEST Environmental Savannah Environmental Baagi Environmental Royal Haskoning DHV (previously SSI)
2013 - 2016	Zitholele Consulting Contact person: Dr Mathys Vosloo Contact number: 011 207 2060	Senior Public Participation Practitioner and Project Manager  <u>Tasks included:</u>  Project managed public participation process for EIA/BA/WULA/EAL projects. Manages two Public Participation Administrators. Public Participation tasks as outlined as above and including financial management of public participation processes.
2011 - 2013	Imaginative Africa (Pty) Ltd <i>(company owned by Nicolene Venter)</i>	Independent Consultant  Consulting to various Environmental Assessment Practitioners for Public Participation and Stakeholder Engagements  <u>Tasks included:</u>  Drafting of a Public Participation Plan with key deliverable dates and methodology to be followed, Background Information Document, Letters to Stakeholders and Interested and/or

		<p>Affected Parties (I&amp;APs) inclusive of key project deliverables and responses to questions / concerns raised; Stakeholder identification; facilitating stakeholder workshops, focus group and public meetings; conduct one-on-one consultation with Community Leaders, Tribal Chiefs, affected landowners, etc.</p> <p>Managing interaction between Stakeholders and Team Members, liaising with National, Provincial and Local Authorities, managing community consultation and communications in project affected areas, attend to the level of technical information communicated to and consultation with all level of stakeholders involved</p> <p><u>Clients:</u>  Bohlweki Environmental  Bembani Sustainability (Pty) Ltd  Naledzi Environmental</p>
<b>2007 – 2011</b>	SIVEST SA (Pty) Ltd  Contact person: Andrea Gibb  Contact number: 011 798 0600	Unit Manager: Public Participation Practitioner  <u>Tasks included:</u>  Project managed public participation process for EIA/BA projects. Manages two Junior Public Participation Practitioners. Public Participation tasks as outlined as above and including financial management of public participation processes.
<b>2005 – 2006</b>	Imaginative Africa (Pty) Ltd  (company owned by Nicolene Venter)	Independent Consultant  Public Participation and Stakeholder Engagement Practitioner  <u>Tasks included:</u>  Drafting of a Public Participation Plan with key deliverable dates and methodology to be followed, Background Information Document, Letters to Stakeholders and Interested and/or Affected Parties (I&APs) inclusive of key project deliverables and responses to questions / concerns raised; Stakeholder identification; facilitating stakeholder workshops, focus group and public meetings; conduct one-on-one consultation with Community Leaders, Tribal Chiefs, affected landowners, etc.  Managing interaction between Stakeholders and Team Members, liaising with National, Provincial and Local Authorities, managing community consultation and communications in project affected areas, attend to the level of technical information communicated to and consultation with all level of stakeholders involved.

		<p><u>Clients:</u></p> <p>Manyaka-Greyling-Meiring (previously Greyling Liaison and currently Golder Associates)</p>
1997 - 2004	<p>Imaginative Africa (Pty) Ltd</p> <p>(company owned by Nicolene Venter)</p>	<p>Independent Consultant: Public Participation Practitioner.</p> <p><u>Tasks included:</u></p> <p>Drafting of a Public Participation Plan with key deliverable dates and methodology to be followed, Background Information Document, Letters to Stakeholders and Interested and/or Affected Parties (I&amp;APs) inclusive of key project deliverables and responses to questions / concerns raised; Stakeholder identification; facilitating stakeholder workshops, focus group and public meetings; conduct one-on-one consultation with Community Leaders, affected landowners, etc.</p> <p>Managing interaction between Stakeholders and Team Members, liaising with National, Provincial Local Authorities, managing community consultation and communications in project affected areas, attend to the level of technical information communicated to and consultation with all level of stakeholders involved.</p> <p><u>Clients:</u></p> <p>Greyling Liaison (currently Golder Associates); Bemhani Sustainability (Pty) Ltd; Lidwala Environmental; Naledzi Environmental</p>

## PROJECT EXPERIENCE

### RENEWABLE POWER GENERATION PROJECTS

#### PHOTOVOLTAIC SOLAR ENERGY FACILITIES

##### Environmental Impact Assessments and Environmental Management Programmes

Project Name & Location	Client Name	Role
Lichtenburg PVs (3 PVs) & Power Lines (grid connection), Lichtenburg, North West Province	Atlantic Energy Partners EAP: Savannah Environmental	Project Manage the Public Participation Process Facilitate all meetings Consultation with Government Officials, Key Stakeholders, Landowners & Community Leaders
Allepad PVs 4 PVs) & Power Lines (grid connection), Upington, Northern Cape Province	IL Energy EAP: Savannah Environmental	
Hyperion Solar PV Developments (4 PVs) and Associated Infrastructures, Kathu, Northern Cape Province	Building Energy EAP: Savannah Environmental	
Aggeneys Solar PV Developments (2 PVs) and Associated Infrastructures, Aggeneys, Northern Cape Province	Atlantic Energy Partners and ABO Wind EAP: Savannah Environmental	
Upilanga Solar Park, Northern Cape (350MW CSP Tower)	Emvelo Capital Projects (Pty) Ltd	
Khunab Solar Development, consisting of Klip Punt PV1, McTaggart PV1, McTaggart PV2, McTaggart PV3 and the Khunab solar Grid Connection near Upington, Northern Cape Province	Atlantic Energy Partners and Abengoa	
Sirius Solar PV3 and PV4, near Upington, Northern Cape Province	Solal	
Geelster PV 1 and PV2 solar energy facilities, near Aggeneys, Northern Cape	ABO Wind	
Naledi PV and Ngwedi PV solar energy facilities, near Upington, Northern Cape	Atlantic Energy Partners and Abengoa	
Kotulo Tsatsi PV1, Kotulo Tsatsi PV3 and Kotulo Tsatsi PV4 solar energy facilities, near Kenhardt, Northern Cape	Kotulo Tsatsi Energy	
Tlitseng PV, including Substations & Power Lines, Lichtenburg, North West Province	BioTherm Energy EAP: SiVEST	Public Participation, Landowner and Community Consultation
Sendawo PVs, including Substations & Power Lines, Vryburg, North West Province		
Helena Solar 1, 2 and 3 PVs, Copperton, Northern Cape Province		
Farm Spes Bona 23552 Solar PV Plants, Bloemfontein, Free State Province	Surya Power EAP: SiVEST	Public Participation, Landowner and Community Consultation
De Aar Solar Energy Facility, De Aar, Northern Cape Province	South Africa Mainstream Renewable Power Developments EAP: SiVEST	Public Participation, Landowner and Community Consultation
Droogfontein Solar Energy Facility, Kimberley, Northern Cape Province		
Kaalspruit Solar Energy Facility, Loeriesfontein, Northern Cape Province		

Platsjambok East PV, Prieska, Northern Cape Province		
Renosterburg PV, De Aar, Northern Cape Province	Renosterberg Wind Energy Company EAP: SiVEST	Public Participation, Landowner and Community Consultation
19MW Solar Power Plant on Farm 198 (Slypklip), Danielskuil, Northern Cape Province	Solar Reserve South Africa EAP: SiVEST	Public Participation, Landowner and Community Consultation

### Basic Assessments and Environmental Management Programmes

Project Name & Location	Client Name	Role
Upilanga Solar Park, Northern Cape (x6 100MW PV's and x3 350MW PV Basic Assessments)	Emvelo Capital Projects (Pty) Ltd	Project Manage the Public Participation Process Facilitate all meetings Consultation with Government Officials, Key Stakeholders, Landowners & Community Leaders
Sirius Solar PV Solar Energy Facility, Upington, Northern Cape Province	SOLA Future Energy	
Khunab Solar Development, consisting of Klip Punt PV1, McTaggarts PV1, McTaggarts PV2, McTaggarts PV3 and the Khunab solar Grid Connection near Upington, Northern Cape Province	Atlantic Energy Partners and Abengoa	

### WIND ENERGY FACILITIES

#### Environmental Impact Assessments and Environmental Management Programmes

Project Name & Location	Client Name	Role
Aletta Wind Farm, Copperton, Northern Cape Province	BioTherm Energy EAP: SiVEST	Public Participation
Eureka Wind Farm, Copperton, Northern Cape Province		
Loeriesfontein Wind Farm, Loeriesfontein, Northern Cape Province	South Africa Mainstream Renewable Power Developments EAP: SiVEST	Public Participation
Droogfontein Wind Farm, Loeriesfontein, Northern Cape Province		
Four Leeuwberg Wind Farms, Loeriesfontein, Northern Cape Province		
Noupoort Wind Farm, Noupoort, Northern Cape Province		
Mierdam PV & Wind Farm, Prieska, Northern Cape Province		
Platsjambok West Wind Farm & PV, Prieska, Northern Cape Province		

### Basic Assessments and Environmental Management Programmes

Project Name & Location	Client Name	Role
Cluster of Renewable Energy Developments, Eastern Cape Province	Wind Relic	
Nama Wind Energy Facility, Northern Cape Province	Genesis ECO EAP: Savannah Environmental	Project Manage the Public Participation Process Facilitate all meetings

Zonnequa Wind Energy Facility, Northern Cape Province		Consultation with Government Officials, Key Stakeholders, Landowners & Community Leaders
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## **CONCENTRATED SOLAR FACILITIES (CSP)**

### **Environmental Impact Assessments and Environmental Management Programmes**

<b>Project Name &amp; Location</b>	<b>Client Name</b>	<b>Role</b>
Upington Concentrating Solar Plant and associated Infrastructures, Northern Cape Province	Eskom Holdings EAP: Bohlweki Environmental	Project Manage the Public Participation Process Facilitate all meetings Consultation with Government Officials, Key Stakeholders, Landowners & Community Leaders

## **CONVENTIONAL POWER GENERATION PROJECTS (GAS)**

### **Environmental Impact Assessments and Environmental Management Programmes**

<b>Project Name &amp; Location</b>	<b>Client Name</b>	<b>Role</b>
450MW gas to power project and associated 132kV power line, Richards bay, KwaZulu-Natal	Phinda Power Producers	Project Manage the Public Participation Process Facilitate all meetings Consultation with Government Officials, Key Stakeholders & Landowners
4000MW gas to power project and associated 400kV power lines, Richards bay, KwaZulu-Natal	Phinda Power Producers	
Richards Bay Gas to Power Combined Cycle Power Station, KwaZulu-Natal	Eskom Holdings SoC Limited	Government Officials, Key Stakeholders & Landowners

## **GRID INFRASTRUCTURE PROJECTS**

### **Environmental Impact Assessments and Environmental Management Programmes**

<b>Project Name &amp; Location</b>	<b>Client Name</b>	<b>Role</b>
132/11kV Olifantshoek Substation and Power Line, Northern Cape	Eskom	Project Manage the Public Participation Process Facilitate all meetings Consultation with Government Officials, Key Stakeholders, Landowners & Community Leaders
Grid connection infrastructure for the Namas Wind Farm, Northern Cape Province	Genesis Namas Wind (Pty) Ltd	
Grid connection infrastructure for the Zonnequa Wind Farm, Northern Cape Province	Genesis Zonnequa Wind (Pty) Ltd	
Khunab Solar Grid Connection, near Upington, Northern Cape Province	Atlantic Energy Partners and Abengoa	
Pluto-Mahikeng Main Transmission Substation and 400kV Power Line (Carletonville to Mahikeng), Gauteng and North West Provinces	Eskom Holdings EAP: Baagi Environmental	
Thyspunt Transmission Lines Integration Project, Eastern Cape Province	Eskom Holdings EAP: SIVEST	Public Participation, Landowner and Community Consultation
Westrand Strengthening Project, Gauteng Province		Public Participation,
Mookodi Integration Project, North-West Province		
Transnet Coallink, Mpumalanga and KwaZulu-Natal Provinces		

Delarey-Kopela-Phahameng Distribution power line and newly proposed Substations, North-West Province		Public Participation, Landowner and Community Consultation
Invubu-Theta 400kV Eskom Transmission Power Line, KwaZulu-Natal Province	Eskom Holding EAP: Bemani Environmental	
Melkhout-Kudu-Grassridge 132kV Power Line Project (project not submitted to DEA), Eastern Cape Province	Eskom Holdings EAP: SiVEST	Public Participation, Landowner and Community Consultation
Tweespruit-Welroux-Driedorp-Wepener 132Kv Power Line, Free State Province		
Kuruman 132Kv Power Line Upgrade, Northern Cape Province	Eskom Holdings EAP: Zitholele	
Vaalbank 132Kv Power Line, Free State Province		
Pongola-Candover-Golela 132kV Power Line (Impact Phase), KwaZulu-Natal Province		

## **PART 2 AMENDMENTS**

<b>Project Name &amp; Location</b>	<b>Client Name</b>	<b>Role</b>
Transalloys Coal-Fired Power Station near Emalahleni, Mpumalanga Province	Transalloys (Pty) Ltd	Project Manage the Public Participation Process
Zen Wind Energy Facility, Western Cape	Energy Team (Pty) Ltd	
Hartebeest Wind Energy Facility, Western Cape	juwi Renewable Energies (Pty) Ltd	
Khai-Ma and Korana Wind Energy Facilities	Mainstream Renewable Power (Pty) Ltd	

## **FACILITATION**

<b>Project Name &amp; Location</b>	<b>Client Name</b>	<b>Meeting Type</b>
Bloemfontein Strengthening Project, Free State Province	Eskom Holdings EAP: Baagi Environmental	Public Meetings
Moidraai-Smitkloof 132kV Power Line and Substation, Northern Cape Province	Eskom Holdings EAP: SSI	Focus Group Meetings
Aggeneis-Oranjemond 400kV Eskom Transmission Power Line, Northern Cape Province	Eskom Holdings EAP: Savannah Environmental	Focus Group Meetings & Public Meetings
Ariadne-Eros 400kV/132kV Multi-Circuit Transmission Power Line (Public Meetings)	Eskom Holdings EAP: ACER Africa	Public Meetings
Majuba-Venus 765kV Transmission Power Lines, Mpumlanaga Province		
Thabametsi IPP Power Station, Limpopo Province	Thabametsi Power Company EAP: Savannah Environmental	Focus Group Meeting & Public Meeting
Aggeneis-Oranjemond Transmission Line & Substation Upgrade, Northern Cape	Eskom Transmission	Focus Group Meetings & Public Meetings

## **SCREENING STUDIES**

<b>Project Name &amp; Location</b>	<b>Client Name</b>	<b>Role</b>
Potential Power Line Alternatives from Humansdorp to Port Elizabeth, Eastern Cape Province	Nelson Mandela Bay Municipality EAP: SIVEST	Social Assessment

## **ASH DISPOSAL FACILITIES**

### **Environmental Impact Assessments and Environmental Management Programmes**

<b>Project Name &amp; Location</b>	<b>Client Name</b>	<b>Role</b>
Medupi Flue Gas Desulphurisation Project (up to completion of Scoping Phase), Limpopo Province	Eskom Holdings SOC Ltd EAP: Zitholele Consulting	Public Participation, Landowner and Community Consultation
Kendal 30-year Ash Disposal Facility, Mpumalanga Province		
Kusile 60-year Ash Disposal Facility, Mpumalanga Province		
Camden Power Station Ash Disposal Facility, Mpumalanga Province		
Tutuka Fabric Filter Retrofit and Dust Handling Plant Projects, Mpumalanga Province	Eskom Holdings SOC Ltd EAP: Lidwala Environmental	
Eskom's Majuba and Tutuka Ash Dump Expansion, Mpumalanga Province		
Hendrina Ash Dam Expansion, Mpumalanga Province		

## **INFRASTRUCTURE DEVELOPMENT PROJECTS (BRIDGES, PIPELINES, ROADS, WATER RESOURCES, STORAGE, ETC)**

### **Basic Assessments**

<b><u>Project Name &amp; Location</u></b>	<b><u>Client Name</u></b>	<b><u>Role</u></b>
Expansion of LOX and Diesel Storage at the Air Products Facility in Coega, Eastern Cape	Air Products South Africa (Pty) Ltd	Project Manage the Public Participation Process Facilitate all meetings Consultation with Government Officials, Key Stakeholders & Landowners
Transnet's New Multi-Products Pipeline traversing Kwa-Zulu Natal, Free State and Gauteng Provinces	Transnet EAP: Bohlweki Environmental	
Realignment of the Bulshoek Dam Weir near Klaver and the Doring River Weir near Clanwilliam, Western Cape Province	Dept of Water and Sanitation EAP: Zitholele	Public Participation

## **STAKEHOLDER ENGAGEMENT**

<b>Project Name &amp; Location</b>	<b>Client Name</b>	<b>Role</b>
Socio-Economic Impact Study for the shutdown and repurposing of Eskom Power Stations: Komati Power Station, Hendrina Power Station & Grootvlei Power Station	Urban-Econ	Project Management for the stakeholder engagement with Community Representatives in the primary data capture area



First State of Waste Report for South Africa	Golder Associates on behalf of the Department of Environmental Affairs	Secretarial Services
Determination, Review and Implementation of the Reserve in the Olifants/Letaba System	Golder Associates on behalf of the Department of Water and Sanitation	
Orange River Bulk Water Supply System		
Levuvu-Letaba Resources Quality Objectives		

## **FACILITATION**

<b>Project Name &amp; Location</b>	<b>Client Name</b>	<b>Meeting Type</b>
Determination, Review and Implementation of the Reserve in the Olifants/Letaba System	Department of Water and Sanitation	Secretarial Services
Orange River Bulk Water Supply System	Golder Associates	Secretarial Services
Levuvu-Letaba Resources Quality Objectives		Secretarial Services
SmancorCR Chemical Plant (Public Meeting), Gauteng Province	Samancor Chrome (Pty) Ltd EAP: Environmental Science Associates	Public Meeting
SANRAL N4 Toll Highway Project (2 <sup>nd</sup> Phase), Gauteng & North West Provinces	Department of Transport EAP: Bohlweki Environmental	Public Meetings

## **MINING SECTOR**

### **Environmental Impact Assessment and Environmental Management Programme**

<b>Project Name &amp; Location</b>	<b>Client Name</b>	<b>Role</b>
Zero Waste Recovery Plant at highveld Steel, Mpumalanga Province	Anglo African Metals EAP: Savannah Environmental	Public Participation
Koffiefontein Slimes Dam, Free State Province	Petra Diamond Mines EAP: Zitholele	Public Participation
Baobab Project: Ethenol Plant, Chimbanje, Middle Sabie, Zimbabwe	Applicant: Green Fuel EAP: SIVEST	Public Participation & Community Consultation
BHP Billiton Energy Coal SA's Middelburg Water Treatment Plant, Mpumalanga	BHP Billiton Group EAP: Jones & Wagener	Public Participation

## **ENVIRONMENTAL AUTHORISATION AMENDMENTS**

<b>Project Name &amp; Location</b>	<b>Client Name</b>	<b>Role</b>
Transalloys Coal-Fired Power Station near Emalahleni, Mpumalanga Province	Transalloys (Pty) Ltd	Public Participation
Zen Wind Energy Facility, Western Cape	Energy Team (Pty) Ltd	
Hartebeest Wind Energy Facility, Western Cape	Juwi Renewable Energies (Pty) Ltd	
Khai-Ma and Korana Wind Energy Facilities	Mainstream Renewable Power (Pty) Ltd	
Beaufort West 280MW Wind Farm into two 140MW Trakas and Beaufort West Wind Farms, Western Cape	South Africa Mainstream Renewable Power Developments EAP: SIVEST	

## **SECTION 54 AUDITS**

<b>Project Name &amp; Location</b>	<b>Client Name</b>	<b>Role</b>
Mulilo 20MW PV Facility, Prieska, Northern Cape	Mulilo (Pty) Ltd	Public Participation: I&AP Notification process
Mulilo 10MW PV Facility, De Aar, Northern Cape	Mulilo (Pty) Ltd	
Karoshhoek CSP 1 Facility/ Solar One, Upington, Northern Cape	Karoshhoek Solar One (Pty) Ltd	