



## Shandre Laven

### KEY EXPERIENCE

Through the implementation of the regulatory processes under mostly the National Environmental Management Act (107 of 1998), Mineral Petroleum Resources Development Act (28 of 2002) as well as the National Water Act (36 of 1998) I have gained extensive knowledge of these processes as well as a firm grasp the importance of Integrated Environmental Management and the importance of my role as Environmental Scientist in achieving this. I also recognize that the Environmental Science field is ever evolving and that new knowledge is necessary and welcome more effective management of the interaction of humans with the environment, by reducing the adverse environmental impacts which may result from this interaction.

As an Environmental Scientist, through the use of the various Environmental Management Tools it is my purpose to use and apply information from the physical sciences and social sciences to gain an understanding of how the earth works, the interaction of humans with the earth, and to develop solutions to environmental problems. I also consider my role to ensure not only that the best the practicable environmental option is always chosen but to also appreciate the significant role that EAPs play in enabling integrated environmental management and sustainable development. My principles, ethics, competence and knowledge of the key pieces of Environmental Legislation as well as the Environmental Legislative processes provides me with the necessary capabilities and expertise to facilitate good environmental decision-making to either avoid or minimise potentially damaging and costly negative impacts, and to as much as possible maximise positive impacts on the receiving environment associated with the developments.

### PROJECT EXPERIENCE

#### EIA & Basic Assessments:

- Environmental Risk Assessment and Management Plan for the proposed Swallows Switch Project, Brakpan, Gauteng;
- Olifants-Doring Rivers Strengthening and Rising of the Clanwilliam Dam – Updating of Environmental Management Programme following granting of Environmental Authorisation;

#### Professional Registrations:

- The South African Council for Natural Scientific Professions (100265/13)
- South African Institute for Ecologists and Environmental Scientists
- International Association for Impact Assessment

#### Occupation:

- Environmental Practitioner

#### Specialisation:

- Environmental Management
- Environmental Compliance Monitoring
- Environmental Project Management
- Water Use License Application
- Environmental Impact Assessments

#### Education:

- MSc Environmental Management, current
- BSc. (Hons) Environmental Science, 2010 University of the North West
- BSc Environmental Science, 2009 University of the North West

## PROJECT EXPERIENCE (continued)

- Application to rectify unlawful commencement or continuation of Listed Activities in terms of Section 24G of the National Environmental Management Act (107 of 1998) for the Ndebele Mine;
- Olifants-Doring Rivers Strengthening and Rising of the Clanwilliam Dam: Application for mining of a borrow pit – Environmental Management Plan for small scale mining;
- Olifantsfontein General Landfill Site – Environmental Impact Assessment forming part of the Waste Management License Application Process;
- Second Proposed Pongola Candover 132kV Power Line, Upgrades to the existing Pongola Substation and Candover Switching Station and development of the Golela 132/22kV Substation and associated 132kV Loop-In Power Lines – Basic Assessment;
- Proposed Ndumo Gezisa 132kV Single Circuit Power Line or a 132/22kV Multi-Circuit Power Line - Basic Assessment;
- Proposed Kendal Power Station Continuous Ash Disposal Facility Project – Environmental Impact Assessment;
- Proposed Camden Power Station Ash Disposal Facility – Environmental Impact Assessment;
- Xstrata South Africa: Re-alignment of the Provincial Road – Environmental Impact Assessment;
- Xstrata South Africa: Tweefontein Complex – Environmental Impact Assessment ;
- XSA South Africa: Tweefontein Complex – Environmental Impact Assessment;
- Upgrade of Moore Street, Wadeville – Basic Assessment;
- Upgrade of the R40/R538 Road Intersection, White River – Basic Assessment;
- Low Cost Housing Development: Steve Bikoville Phase 2 - Environmental Impact Assessment;
- Low Cost Housing Development: Dobsonville Community Residential Development – Basic Assessment ;
- Upgrade of the Klipspruit Parks - Environmental Impact Assessment;
- Low Cost Housing Development: Mapetla Community Residential Development – Basic Assessment;
- Basic Assessment Process and compiling Rehabilitation Plan required for the General Authorisation, as well as extensive stakeholder engagement Rehabilitation of the Kelland Wetland;
- Basic Assessment Process and compiling Rehabilitation Plan required for the General Authorisation, as well as extensive stakeholder engagement Rehabilitation of the Fairland Spruit; and
- Assisted with Environmental Impact Assessment Process for the Rea Vaya Bus Depot in Meeadowlands, Soweto

## **PROJECT EXPERIENCE (continued)**

### **Stakeholder Engagement**

- Public Consultation: - Responsible for the implementation of the Public Participation Process as well as extensive stakeholder consultation for the upgrade of the Sanitary Lanes in Hillbrow and Berea;
- Responsible for the implementation of the Public Participation Process as well as extensive stakeholder consultation for the Orlando East Public Environment Upgrade, Proposed Upgrade of Rathebe Street;
- Responsible for the implementation of the Public Participation Process as well as extensive stakeholder consultation for the Rea Vaya Upgrade/Construction of Rissik Street and Harrison Street; and
- Public Consultation: - Responsible for the implementation of the Public Participation Process as well as extensive stakeholder consultation for the upgrade of the Sanitary Lanes in Hillbrow and Berea

### **Water Use License**

- Water Use License Application Process for the proposed Upgrade the Tsakane Sewer Outfall System.
- Water Use License Application for the Construction of a Rand Water Pipeline from the Vaal Dam Wall to the Zuikerbosch Canal Control Works
- Water Use License Application for the Installation of the Rand Water B17 & B18 Pipelines and Upgrade of the Palmiet Pumping Station
- Water Use License Application for the Rand Water N7 & N8 Pipelines
- Water Use License Application for the Construction of a Rand Water Pipeline from the Vaal Dam Wall to Zuikerbosch Canal Control Works.
- Water Use License Application for the Zuikerbosch Embankment Stabilisation, Vaal River

### **Compliance Monitoring and Auditing**

- Environmental Audits, providing Environmental Awareness Training & Environmental Management Plan Induction for the Rea Vaya Bus Depot in Meadowlands, Soweto.
- Environmental Audits, providing Environmental Awareness Training & Environmental Management Plan Induction for the Upgrade of Forbes Road, Meadowlands
- Environmental Audits, providing Environmental Awareness Training & Environmental Management Plan



Induction for the Rea Vaya Bus Rapid Transit System - Section 4: Empire Road between Jan Smuts and Victoria Avenues in Parktown.

- Environmental Audits, providing Environmental Awareness Training & Environmental Management Plan Induction for the Rea Vaya Bus Rapid Transit System - Section 5: Main Reef/Commando Road intersection to Empire/Jan Smuts intersection.
- Environmental Audits, providing Environmental Awareness Training & Environmental Management Plan Induction for the Darrenwood Spruit.

## EMPLOYMENT RECORD

2014 - Present	Zitholele Consulting	Environmental Practitioner
2012 - 2014	Clean Stream Environmental Consultants	Environmental Scientists
2010 - 2012	Nemai Consulting	Environmental Officer