

## CURRICULUM VITAE

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**Name** Werner Nel

**Profession** Environmental Scientist

**Name of Firm** W Nel Environmental Consulting Services

**Present Position** Environmental Consultant

**Years with Firm** June 2016 - present

**Date of Birth** 22 January 1979

**ID No.** 7901225003088

**Nationality** South African

### Education

Masters in Science, Zoology (University of Stellenbosch)  
 Bachelors in Science – Honours, Zoology (University of Port Elizabeth)  
 Bachelors in Science (University of Port Elizabeth)

### Professional Qualifications

Pending

### Memberships to Professional Societies

Zoological Society of Southern Africa

### Employment Record

June 2016 – Present	W Nel Environmental Consulting Services – Cape Town: Owner and Founder, Environmental Scientist and Consultant
April 2013 – May 2016	SiVEST SA (Pty) Ltd - Environmental Division, Cape Town: Environmental Scientist
Jan 2013 – Mar 2013	Private, Cape Town: Environmental Consultant, ISO 14001 Environmental Management
Feb 2007 – Dec 2012	De Beers Consolidated Mines – Namaqualand Mines, Kleinsee, Northern Cape: Environmental Officer (Rehabilitation Manager)
Jun 2006 – Dec 2006	AJNAP Developers, Port Elizabeth: Site Manager

### Language Proficiency

LANGUAGE	SPEAK	READ	WRITE
English	Fluent	Fluent	Fluent
Afrikaans	Fluent	Fluent	Fluent

### Key Experience

Werner Nel graduated with a BSc and BSc (Honours) from the University of Port Elizabeth and a Masters in Zoology from the University of Stellenbosch. He began working in the environmental field during his studies and fulltime as Environmental Officer in 2007 within the mining sector. In 2013 he

joined a general environmental consulting firm and left in 2016 to start of W Nel Environmental Consulting Services. He has experience in environmental management, rehabilitation and restoration of degraded landscapes, Environmental Management Systems (EMS), including ISO 14001 and in environmental compliance auditing and site monitoring especially in the arid West Coast environment. He has gained environmental experience within various industries including construction, linear projects, mining, wine industry, manufacturing and retail and provided various services within these.

His specialty within the fields of Mine Rehabilitation, Mine Closure, Environmental Management and Environmental Auditing enables him to add a holistic approach to projects.

## **Projects Experience**

### Project Management

- Transnet Coal Link Upgrade – Contractor Management, Project Management
- De Beers Namaqualand Mines - Mine Closure Plan
- De Beers Namaqualand Mines – Surface Restoration

## **AUDITS**

### South Ocean Holdings SOC

- Environmental compliance auditing for the Radiant Lightning group.

### CSM

- Environmental compliance auditing and review of various ESKOM wash bays throughout the Western Cape.

### Collotype Labels

- Assisting SABS with conducting ISO 14001 Surveillance audits.

### Distell

- Assisting SABS at various operations with ISO 14001 surveillance audits.

### DAIKIN South Africa ISO 14001

- Assisting in maintaining ISO 14001 certification following recertification audits and updating the existing EMS to be compliant with the new 2015 ISO standard.

### Patterson & Cooke EMS and ISO 14001

- Assisting in preparation and development of the required documentation for their maiden ISO 14001 certification audit.

### Unique Hydra ISO 14001

- Assisting in preparation of the required documentation for their maiden certification audit.

### De Beers Namaqualand Mines – ISO 14001 and Environmental Compliance

- Maintaining the Environmental Management System (ISO 14001) on site, successfully managing a number of recertification audits.
- Environmental Legal compliance in terms of the EMP conditions and commitments for the Buffels Marine Right.
- External audit and review of 9 waste permits located in the Buffels Marine Right and the Town of Kleinsee.

## **MINING: PERMITTING, COMPLIANCE MONITORING, REHABILITATION and MINE CLOSURE**

### Petra Diamonds – Closure planning

- Providing guidance and assistance with the development of the Mine Closure Strategy of the Helam mine
- Mine Closure Planning and Risk Assessment of Koffiefontein Diamond Mine
- Mine Closure Planning and Risk Assessment of Cullinan Diamond Mine

#### JLJ Logistics – Environmental Audit

- Environmental Legal compliance in terms of the EMPr conditions and commitments for a sand mining right.

#### Moodie Brothers – Environmental Audit

- Environmental Legal compliance in terms of the EMPr conditions and commitments for a sand mining permit.

#### Van Schalkwyk Vervoer cc – Application for new mining permits.

- Application for new sand and gravel mining permits in the Southern Cape region.

#### Thunderflex (Pty) Ltd – Closure Liability Costing

- Mine Closure Liability Cost Calculations and Re-evaluation existing closure costs.

#### Kayad Knight Peisold and SANRAL

- Closure Applications and Rehabilitation planning for Borrow pits used during road construction.

#### De Beers Namaqualand Mines – Mine Closure Planning and Environmental Compliance

- Bi-annual Performance Assessment and Environmental Audit Report for the Buffels Marine Mining Right.
- Formulation and implementation of the Namaqualand Mines Mine Closure Plan.

#### De Beers Kimberley Mine – Mine Closure Planning

- Providing guidance in the preparation of the Kimberly Mines Mine Closure Plan and Mine Closure Costing.

### **ENVIRONMENTAL CONTROL OFFICER**

- Environmental Officer at De Beers Namaqualand Mines, Northern Cape, South Africa
- Environmental support services (DEO) to RAUBEX during the construction phase of the N7 Road upgrade between Clanwilliam and Trawal, Western Cape, South Africa.
- Environmental support services (ECO) to Knight Piesold during the construction phase of the N7 Road upgrade between Trawal and Vanrhynsdorp, Western Cape, South Africa.
- Environmental support services (ECO) to AECOM during the construction phase for the re-alignment of the N7 between Kransvleikloof and Clanwilliam, Western Cape, South Africa.
- Environmental support services (ECO) to the Department of Water and Sanitation during the site establishment phase for the strengthening and raising of the Clanwilliam Dam, Western Cape, South Africa.
- Environmental support services (ECO) to Bergstan South Africa during the construction phase of Sludge Dewatering Structures at various Waste Water Treatment Plants for the City of Cape Town.
- Environmental support services (ECO) to Aurecon during the site establishment for the upgrade to the Olifants River Bridge, Klawer, Western Cape, South Africa
- Environmental support services (ECO) to Hatch South Africa, during the upgrade of the municipal water infrastructure in Porterville, Western Cape, South Africa
- Environmental support services (ECO) to CPV 1 during the construction of the Touwsrivier Solar Plant, Touws River, Western Cape, South Africa.
- Environmental support services (ECO) to Eskom during emergency upgrade to the Palmietvlei Headrace Power Line near Palmiet Substation in Grabouw, Western Cape, South Africa.
- Environmental support services (ECO) to Transnet Ports Authority during the refurbishment of the Spur breakwater at the V&A Waterfront, Cape Town, South Africa.
- Environmental Control Officer (ECO), as an associate of EcoSense, to SHAR Civils for the Maroela South Subsidised Human Settlement Development, Brackenfell.
- Environmental Control Officer (ECO), as an associate of EcoSense, to SHAR Civils for the installation of services and infrastructure upgrades at the Kalkfontein Informal Settlement, Kuilsrivier.

### **TRAINING**

#### Training of Mining Employees:

- Training in terms of requirements of site-specific Environmental Management Plans, including De Beers Namaqualand Mines' ISO 14001 EMS requirements to on-site contractors and visitors.
- Formulation development of the on-site environmental visitors' induction.

#### Training of Construction Employees:

- Induction training at various construction sites in terms of site-specific Environmental Management Plans and Environmental Authorizations.

### **ENVIRONMENTAL MANAGEMENT SYSTEMS**

- Paterson & Cooke ISO 14001 EMS Development
- DAIKIN South Africa ISO 14001 EMS
- Unique Hydra ISO 14001 EMS
- De Beers Namaqualand Mines ISO 14001 EMS
- Peter Falke Wines EMS & IPW
- SA Corporate Environmental Policy

### **COASTAL ZONE MANAGEMENT**

- Representative of Northern Cape Provincial Coastal Committee (2009-2012)

### **ENVIRONMENTAL IMPACT ASSESSMENTS**

- Proposed development of an Asbestos Waste Disposal Facility on the Farm Tweepad, Kleinzee, Northern Cape
- Proposed development of Nzalo (Mqwabe) 400kV Substation and associated 88kV and 400kV turn in lines, Kwazulu-Natal Province, South Africa
- Proposed ESKOM De Hoek-Mountain 66kV Power line and Substation installation, De Hoek, West Coast District Municipality, Western Cape, South Africa
- Proposed ESKOM Longdown 66kV Substation and Associated Vyeboom 66kV Turn-In Power Line, Theewaterskloof, Western Cape
- Proposed development of a new Winery and Storage facility on the farm Groenvlei Estate, Stellenbosch, Western Cape