



# Curriculum Vitae

## Novashni Sharleen Moodley

Senior Environmental Consultant  
Transport, Rail and Planning

**T:** +27317195500

**F:** +27317195505

**Email:** [novashni.moodley@rhdhv.com](mailto:novashni.moodley@rhdhv.com)

Novashni (Sharleen) Moodley is an Environmental Assessment Practitioner (EAP). She holds a BSc in Environmental Science; a BSc (Honours) in Environmental Management (*cum laude*) and an MSc in Environmental Science. Novashni has credible experience in environmental planning and consulting, as well as in project management and Geographical Information Systems (GIS). She specialises in the suite of Integrated Environmental Management (IEM) tools, viz. Environmental Impact Assessments (EIA), Basic Assessments (BA), Strategic Environmental Assessment (SEA), Screening Assessments, Public Participation, and Environmental Compliance Officer (ECO) audits. Novashni has experience in a range of projects, with a range of clients, such as mixed use developments, water treatment, energy production, strategic (regional) planning and linear developments. She completed her vacation work at SAPREF and was thereafter based at the iLembe District Municipality as an Environmental Officer. Currently, Novashni functions as Senior Environmental Consultant within the Environmental Management and Compliance service line at Royal HaskoningDHV. She is scientifically, technically and socially competent and trained as an integrated thinker.

### Nationality

South African

### Years of Experience

6 year(s)

### Years with Royal HaskoningDHV

4 year(s)

### Professional memberships

South African Council of Natural Science Professionals (SACNASP) - Professional Natural Scientist (Pr.Sci.Nat: 400305/15)

International Association for Impact Assessment SA (IAIASa) – Member

### Qualifications

**2014** MSc Environmental Science, University of KwaZulu-Natal

**2011** BSc (Honours) (*Cum Laude*) Environmental Management, University of South Africa

**2008** BSc Environmental Science, University of KwaZulu Natal

## Professional experience

### **Zinkwazi Desalination Plant Basic Assessment, South Africa**

Start Date: 2011

Client Name: Umgeni Water

Project Value: R250, 000.00

Brief Description: Umgeni Water proposed a desalination plant for the Zinkwazi Community via reverse-osmosis technology. The project entailed conducting the Basic Assessment to obtain authority for the plant.

Position: EAP

Assigned Tasks: Conduct Basic Assessment Process inclusive of Public Participation (PP) and Invoicing

E02.DUR.000414

### **The Southern Waste Water Treatment Works (SWWTW) Solids Removal and Treatment Facilities Upgrade EIA**

Start Date: 2013

Client Name: eThekweni Municipality – Water and Sanitation Department

Project Value: R 1 675 000.00

Brief Description: eThekweni Municipality propose to reduce the amount of organic matter (solids) disposed of to sea via sea outfall. In order to do so, the SWWTW proposes to upgrade the facilities on site and to increase the primary and secondary treatment processes. In undertaking this upgrade, the SWWTW is also obtaining all legislative necessary licenses and permits.

Position: EAP and Project Manager

Assigned Tasks: Conduct EIA and project management

T01.DUR.000274

### **The Envalor Emerging Farmers Project EIA**

Start Date: 2011

Client Name: Envalor

Project Value: R 1 900 000.00

Brief Description: Envalor propose a 25 ha pivot irrigation farming system of sorghum along the Zambezi River, in Sena, Sofala Province, Mozambique. The project involved obtaining the necessary permit from the Mozambique authority, MICOA.

Position: EAP

Assigned Tasks: Involvement in the project came at the closure process of the Environmental and Social Impact

Assessment and involved completion of reports and presentation at the closure meetings with authorities and public of the study area.

E02.JHB.000900

### **Cornubia Integrated Human Settlement Environmental Control Officer - Phase 1B, South Africa**

Start Date: 2014

Client Name: eThekweni Municipality

Project Value: R31 327.20

Brief Description: RHDHV was appointed by Pangaea Consulting to undertake the Environmental Control Officer (ECO) duties for the Cornubia Integrated Human Settlement Environmental Control Officer (ECO) - Phase 1B

Position: ECO

Assigned Tasks: Responsible for undertaking weekly site audits and audit reports as well as audit checklists. Further responsibilities include attendance at site meetings and regular liaison with the project team – engineers, contractors and client.

T01.DUR.000333

### **The Richards Bay Mineral Haulage Roads Screening Assessment and Risk Assessment**

Start Date: 2013

Client Name: Richards Bay Minerals

Project Value: R 80 000.00

Brief Description: RHDHV was appointed by Richards Bay Minerals to develop the design of a haulage route for trucks to the Zulti Mine, Richards Bay. A significant portion of the study was to conduct an environmental screening of the haulage routes which included integration of specialist studies and the development of a detailed quantifiable risk assessment

Position: Environmentalist

Assigned Tasks: Manage and develop the screening assessment and risk assessment

T01.DUR.000275

### **Ballito Compensation EIA, South Africa**

Start Date: 2009

Client Name: Tongaat Hulett Properties Ltd

Project Value: R498, 033.00  
Brief Description: Conduct a full EIA for the proposed Ballito Compensation Industrial Development Project, kwaDukuza Municipality  
Position: EAP  
Assigned Tasks: Conduct EIA Process, inclusive of PP E02.DUR.000174

#### **Kwaximba Rural Housing Phase 2 EIA**

Start Date: 2015  
Client Name: eThekwini Municipality - Housing  
Project Value: R500 000.00  
Brief Description: Conduct a full EIA for the proposed rural housing development in Kwaximba, eThekwini Municipality. The project also involves the management of a suite of specialists in support of the EIA and footprint planning.  
Position: EAP and Project Manager  
Assigned Tasks: Conduct EIA Process, inclusive of PP T01.DUR.000338

#### **EThekwini Freight Review**

Start Date: 2013  
Client Name: eThekwini Transport Authority (ETA)  
Project Value: R1 500 000.00  
Brief Description: Conduct a full update of the eThekwini Municipality Freight Plan.  
Position: Environmentalist.  
Assigned Tasks: Provide an environmental legislative review and screening assessment.  
T01.DUR.000118

#### **The Umgeni Valley Link Screening Assessment**

Start Date: 2013  
Client Name: RHDHV  
Project Value: N/A  
Brief Description: Conduct a screening assessment of the Umgeni Valley Link Road and assess alternate routes for presentation of the most viable option to the client.  
Position: Environmentalist.  
Assigned Tasks: Provide an environmental legislative review and screening assessment.  
T01.PZB.00333

#### **Coastal Development Feasibility Assessment Farm Blythedale, South Africa**

Start Date: 2010  
Client Name: New Gelderland Sugar Estates (Pty) Ltd  
Project Value: R249, 318.00  
Brief Description: New Gelderland Sugar Estates intend to develop two residential dwellings in close vicinity to the Mdlotane Estuary. The Basic Assessment was conducted to obtain environmental authorisation  
Position: Environmental Scientist  
Assigned Tasks: Conduct Basic Assessment Process, inclusive of PP and Invoicing  
E02.DUR.000317

#### **The Kilotec Organic Waste to Energy Project - EIA**

Start Date: 2014  
Client Name: Kilotec Properties  
Project Value: R 1 300 000.00  
Brief Description: Kilotec propose to develop an organic waste to energy project in Compensation, Ballito, KwaZulu-Natal. The appointment of RHDHV involves the development of a Bankable Feasibility Study to the Development Bank of South Africa (DBSA) for funding of this project. The project involves the generation of fuel in the form of Compressed Natural Gas (CNG) and the sale of CO<sub>2</sub> from biomethane obtained from heterogeneous sources of organic waste.  
Position: Environmental Scientist  
Assigned Tasks: Development of the environmental chapter of the Bankable Feasibility Study and management of the external EAP conducting the EIA process  
W01.DUR.000215

#### **The KwaMashu WWTW Public Private Partnership**

Start Date: 2014  
Client Name: eThekwini Municipality  
Project Value: R 2 000 000.00  
Brief Description: eThekwini Municipality appointed RHDHV to develop a PPP contract for the refurbishment and operation of the Fluidised Bed Reactor (FBR) at the KwaMashu Waste Water Treatment Works.  
Assigned Tasks: Environmental legal advisory  
W01.DUR.000158

**Pietermaritzburg Central Business District and Local Area Plan, South Africa**

Start Date: 2013

Client Name: Msunduzi Municipality

Project Value: R300 000.00

Brief Description: Preparation of a Regeneration Strategy for the CBD and Central Expansion Area for the Msunduzi Municipality

Position: Public Participation Consultant

Assigned Tasks: Coordination of the Public Participation and Consultation Process

T01.DUR.000127

**Pietermaritzburg South East District Local Area Plan, South Africa**

Start Date: 2013

Client Name: Msunduzi Municipality

Project Value: R300 000.00

Brief Description: Preparation of a Local Area Plan for the South East District of the Msunduzi Municipality

Position: Public Participation Consultant

Assigned Tasks: Coordination of the Public Participation and Consultation Process

T01.DUR.000129

**Basic Assessment for Mondi Richards Bay Mill Expansion, South Africa**

Start Date: 2013

Client Name: Mondi Ltd

Project Value: R238, 700.00

Brief Description: Mondi Richards Bay intend to upgrade their paper manufacturing plant from 750 to 820 tons per annum. The upgrade involves de-bottlenecking operations and process optimisation. In terms of the Environmental Legislation, a Basic Assessment is required. The project also includes Traffic Impact Assessments, Air Quality Impact Assessment, Public Participation as well as stakeholder engagements.

Position: EAP and Project Manager

Assigned Tasks: Conduct Ba inclusive of PP. Project Management

E02.DUR.000494

**iLembe Solar PV Plant Basic Assessment, South Africa**

Start Date: 2012

Client Name: Eureka Capital South Africa

Project Value: R314, 201.00

Brief Description: Conduct the necessary tasks required to obtain environmental authorisation from the National Department of Environmental Affairs for the proposed project. This includes a full Basic Assessment Process with public participation and compilation of an environmental management programme. The project entails the development of Solar Photovoltaic Panels for the generation of 9 Megabytes of power, in the iLembe District Municipality.

Position: EAP and Project Manager

Assigned Tasks: Conduct the BA. Project Management

E02.DUR.000637

**Development of an Environmental Pollution Control Plan, South Africa**

Start Date: 2012

Client Name: Amathole District Municipality

Project Value: R395, 260.00

Brief Description: Development of Environmental Pollution Control Plan for the Amathole District Municipality

Position: Environmental Scientist

Assigned Tasks: Technical input to the pollution control plan

E02.ELS.000030

**Western Cape State of Environment Report (SoER), South Africa**

Start Date: 2012

Client Name: Western Cape Department of Environmental Affairs and Development Planning

Project Value: R938, 200.00

Brief Description: Compilation of the first update of the SoER for the Western Cape, including project management, specialist contributions, report writing and publication.

Position: Environmentalist

Assigned Tasks: Completion of the Energy Chapter.

E02.CPT.000330

### **The Dube TradePort State of Environment Report (SoER)**

Start Date: 2014

Client Name: Dube TradePort

Project Value: R700 000.00

Brief Description: Compilation of the first update of the SoER for Dube TradePort, including project management, specialist contributions, report writing and publication. Each chapter contribution reported on several indicators (criteria).

Position: Environmentalist

Assigned Tasks: Completion of the Integrated Environmental Management Chapter and data coordination

T01.DUR.000310

### **Canelands Extension BA, South Africa**

Start Date: 2012

Client Name: Tongaat Hulett Properties Ltd

Project Value: R118, 553.00

Brief Description: The proposal is to bring on stream a parcel of land and create an industrial development in a sensitive, appropriate and controlled manner. The proposed development is approximately 7 hectares in extent. This proposed development could be seen as an extension of the existing Canelands Industrial Park. This proposal warrants a Basic Assessment.

Position: EAP and Project Manager

Assigned Tasks: Project Management, Conduct Basic Assessment Process, inclusive of PP

E02.DUR.000538

### **The Nkandla Smart Growth Development Basic Assessment, South Africa**

Start Date: 2012

Client Name: The Department of Rural Development and Land Reform

Project Value: R900 000.00

Brief Description: The Department of Rural Development and Land Reform together with the Ingonyama Trust Board propose a mixed use development in Nkandla. The development boasts community, light industrial, education

and recreational precincts. The project objective is to obtain the environmental authorisation for the planning infrastructure (electrical lines, roads, pipelines).

Position: EAP and Project Manager

Assigned Tasks: Project Management, Conduct Basic Assessment Process, inclusive of PP

E02.DUR.000513

### **The Ntatshana Road Basic Assessment, South Africa**

Start Date: 2013

Client Name: PGA Consulting

Project Value: R400 000.00

Brief Description: The proposed development is 2.4km road in the rural area of Ntatshana. The project involved completing a Basic Assessment in order to obtain environmental authorisation.

Position: EAP

Assigned Tasks: Conduct Basic Assessment Process, inclusive of PP

T01.DUR.000201

### **Mahogany Ridge Interchange Environmental Impact Assessment and Basic Assessment, South Africa**

Start Date: 2012

Client Name: Hatch Goba Africa (Pty) Ltd

Project Value: R875, 000.00

Brief Description: Conduct a full BA and EIA for the proposed Mahogany Ridge Interchange (KM 25.7) on N3, Section 1, KwaZulu Natal

Position: EAP and Project Manager

Assigned Tasks: Project Management Conduct Basic Assessment Process, and EIA inclusive of PP

E02.DUR.000503

herewith certifies that

**Novashni Moodley**

Registration number: 400305/15

is registered as a

**Professional Natural Scientist**

in terms of section 20(3) of the Natural Scientific Professions Act, 2003  
(Act 27 of 2003)

in the following field(s) of practice (Schedule I of the Act)

**Environmental Science**

**22 July 2015**



22 July 2015

Pretoria

President

Executive Director

South African affiliate of the

**IAIASA**

**International Association  
for Impact Assessment**



IAIASa Secretariat  
Tel +27(0)11 655 7183  
Fax +27(0) 11 655 7011 or 086 662  
9849  
Address:  
43 Birchwood Court, Montrose  
Street, Vorna Valley, Midrand, 1618  
Postal address:  
PO Box 11666, Vorna Valley, 1686  
Email: [operations@iaiasa.co.za](mailto:operations@iaiasa.co.za)  
Website: [www.iaiasa.co.za](http://www.iaiasa.co.za)

**International Association for Impact Assessment  
South Africa**

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## **IAIASa Confirmation of Membership: Novashni Moodley Membership Number: 3895**

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Friday 06 February 2015

### **TO WHOM IT MAY CONCERN**

Mrs Novashni Moodley, Royal Haskoning DHV Consultant (IAIASa membership Number 3895) is a fully paid-up member in good standing of the South African Affiliate of the International Association for Impact Assessment and has been a member of IAIAsa since 1/28/2015. This membership is valid from 1/28/2015 until 6/30/2015.

IAIASa is a voluntary organisation and is not a statutory body regulating the profession. Its members are however expected to abide by the organisation's code of ethics which is available on our website.

Any enquiries regarding this membership may be directed to the Secretariat at the above contact details.

Yours Sincerely

A handwritten signature in black ink, appearing to read 'Sue George', is written over a light blue horizontal line.

Sue George  
IAIASa President 2014/2015

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