



Curriculum Vitae

Bronwen Griffiths

Transport & Planning
Environmental Scientist

bronwen.griffiths@rhdhv.com

T: +27 (0)21 936 7600

M: +27 (0)83 414 8551

Bronwen has operated across a range of sectors within the environmental field, dominantly environmental permitting and related processes, functioning as a project manager, and provision of ecological specialist knowledge. She is a trained ecologist and registered Professional Natural Scientist: Environmental Science. Bronwen has been a Senior Environmental Consultant for 4 years, as regional environmental representative. Previously she was a Chief Environmental Scientist at BKS/AECOM (2012). The preceding 12 years she ran her own consultancy, including acting as an Environmental Manager for the City of Johannesburg. She also served for some months as Acting Assistant Director at Gauteng Department of Agriculture & Rural Development (GDARD), reviewing environmental impact assessments (EIA) and approving outgoing reports. Her career began as environmental officer reviewing environmental documentation at GDARD. Bronwen has dealt with a range of environmental projects, from feasibility, to various EIA processes, to environmental management post-authorisation. She functions as environmental assessment practitioner and project manager for environmental project teams. Bronwen is author/co-author on various environmental guideline documents (DEA, GDARD, CoJ).

Degree

MSc Quantitative Conservation Biology

Nationality

South African

Years of experience

18

Years with Royal HaskoningDHV

4

Professional memberships

- SA Council for Natural Scientific Professions: Environmental Scientist
- International Association for Impact Assessment, South African Affiliate
- Botanical Society of South Africa

Special skills

- Environmental Scientist
- Environmental Manager / Management
- Environmental Screening, Feasibility, Impact Assessment
- Risk Avoidance
- Environmental Compliance
- Ecologist

Professional experience

Conduct Feasibility / Screening for Emergency Nhlabane Estuary to Mine Pumping Scheme, Richards Bay, South Africa

Start Date: 2016

Client Name: Richards Bay Minerals (Rio Tinto)

Project Value: R382,346.00

Provide professional input on requirements and gap analysis of processes required to allow for emergency water transfer so as to keep the refinery associated with the mine operational.

Position: Environmentalist

Assigned Tasks: Environmental input, lead environmental document author.

Conduct Pre-Feasibility (FEL-2) Waterberg Heavy Haul Line, South Africa

Start Date: 2015

Client Name: Transnet SOC Ltd

Project Value: R3,728,577.69

Provide professional railway planning and engineering services for the FEL-2 study of the Waterberg Heavy Haul Line.

Position: Environmentalist

Assigned Tasks: Environmental input, lead environmental document author.

Environmental Input for the Western Cape Gravel Roads Project – Winelands District, South Africa

Start Date: 2015 – 2020 (5 year project)

Client Name: Cape Winelands District Municipality

Project Value: R10,000,000.00

Appointment to assist the Western Cape Department of Transport & Public Works to address the need to address the maintenance process for the province's existing gravel roads – from a planning, strategic, permitting and forwarding looking point of view. Specifically employed to consider the Winelands District area.

Position: Project Manager

Assigned Tasks: Project manager, and environmental specialist lead

Dube TradePort SOER, South Africa

Start Date: 2014, 2015

Client Name: Dube TradePort

Project Value: R 500,000.00

Dube TradePort State of Environment Report 2014 – generation and reporting. Repeat for 2015/16 report iteration.

Position: Environmentalist

Assistance with drafting of various chapters. Review of document.

PRASA EThekweni Rail Corridors, Durban, South Africa

Start Date: 2012

Client Name: Passenger Rail Agency of South Africa

Project Value: R 1,257,000.00

Pre-feasibility study for the proposed Rail Corridor in the Northern Durban Development Corridor.

Position: Environmentalist

Assigned tasks: Generation of the final Environmental Screening document to provide environmental feasibility considerations and permitting guidelines.

Two Rivers Urban Park (TRUP) Project, Cape Town, South Africa

Start Date: 2015

Client Name: Western Cape Department of Transport and Public Works, and, City of Cape Town Municipality (sub-contracting to NM & Associates as planning leads)

Project Value: R3 408 000.00 (RHDHV portion)

Re-imagining of the site and completion of an appropriate development framework. A contentious site for a number of years due to varying interests of property owners and flooding of the site. Aims to develop an innovative and sustainable development alternative, acting as a gateway to the City of Cape Town, whilst restoring and rejuvenating the urban form, and enhancing the natural environment.

Position: Environmentalist

Assigned Tasks: Lead Environmental Assessment Practitioner, Environmental Advisor to team.

IRT Phase 1B feeder Services, South Africa

Start Date: 2014

Client Name: City of Cape Town Municipality

Project Value: R9,133,440.00

The design and construction of Cape Town's Bus Rapid Transit Feeder System, Phase 1B extending from Cape Town CBD, Salt River, Maitland, Summer Greens, Edgemoed, Bothasig and Richwood. This included the design of a Closed Feeder Station and Non-Motorised Transport routes, civil and electrical services as well as a Pedestrian Bridge and the extension of the Stable's Depot.

Position: Environmentalist

Assigned Tasks: Environmental input

Central University Technicon Campus upgrades (as part of the Audio Visual Installation for various new buildings), South Africa

Start Date: 2014

Client Name: Ingerop Africa

Project Value: R1,183,060.52

Redevelopment of portions of the Bloemfontein and Welkom campuses.

Position: Environmentalist

Assigned Tasks: Role was extended, as detailed above, to inform Ingerop team as to environmental constraints, and the development of a construction-specific environmental management programme (EMPr) per campus.

State of Environment Report (SOER) for City of Johannesburg, South Africa

Start Date: 2014

Client Name: SA Cities Network

Project Value: R1,400,000.00

State of Environment Reports (SoER) are important for comparing the environmental conditions in a particular geographical area through the use of environmental indicators. These indicators describe the condition of the environment which directs the environmental outlook and options for action.

Position: Environmentalist

Assigned Tasks: Chapter author and reviewer

EIA for Caledon Bulk Sewer, South Africa

Start Date: 2014

Client Name: Theewaterskloof Municipality

Project Value: R5,527,750.12

Obtain environmental impact assessment (EIA) authorisation and water use licence application (WULA) and ensure compliance with specific conditions during construction,

Position: Environmentalist

Assigned Tasks: Primary reviewer of all documentation. Sign-off of documentation as EAP for project. Lead Environmental Assessment Practitioner, oversight of WULA.

Feasibility study for Municipal Solid Waste and Beneficiation Opportunities Feasibility Study for Nelson Mandela Bay Municipality, South Africa

Start Date: 2014

Client Name: Eskom Holdings SOC Ltd

Project Value: R2,488,000.00

Provision of a Feasibility Study on Municipal Solid Waste Diversion and Beneficiation Opportunities at NMBMM.

Position: Environmentalist

Assigned Tasks: Generation of an environmental screening investigation document. Collation of final document for team.

Environmental Advice - Elandsfontein Phosphate Mine Access Road (Phase 1), South Africa

Start Date: 2014

Client Name: Elandsfontein Exploration and Mining (Pty) Ltd

Project Value: R3,602,400.00

Design and construction of 14 kilometres of the Elandsfontein mine access road.

Position: Environmentalist

Assigned Tasks: Environmentalist Input

EIA and WML for the Southern WWTW Upgrades, South Africa

Start Date: 2013

Client Name: AECOM SA (Pty) Ltd

Project Value: R1,675,742.15

Assist eThekweni Municipality in applying for a Coastal Waters Discharge Permit for the Southern Wastewater Treatment Works sea outfall pipeline.

Position: Environmentalist

Assigned Tasks: Primary reviewer of all documentation. Sign-off of documentation as EAP for project.

Kongoni Mine Bankable Feasibility Study Update, South Africa

Start Date: 2013

Client Name: Turgis Consulting (Pty) Ltd

Project Value: R60,418.82

Bankable feasibility study for Kongoni mine, Hotazel

Position: Project Manager

Assigned Tasks: Editing and collation of information for final bankable feasibility study – environmental chapter

EIA supervision – New 5MI Reservoir at Louville, South Africa

Start Date: 2013

Client Name: Municipality of Saldanha Bay

Project Value: R7,580,000.00

The construction of a new 5 MI potable water reservoir for Louville area to increase the existing storage capability (refer to GLS report). The work entails: Design, compilation of tender documents, drawings, financial management, quality control and contract management for the construction of the new reservoir.

Position: Environmentalist

Assigned Tasks: Development of terms of reference for independent EIA practitioners, Environmental process project manager – oversight of EIA process, Review and finalisation of specialist biodiversity study, Liaison with external consultant, Technical environmental input into design

EIA supervision - New 5MI Reservoir at Saldanha, South Africa

Start Date: 2013

Client Name: Municipality of Saldanha Bay

Project Value: R9,450,000.00

The construction of a new 5 MI potable water reservoir for Louville area to increase the existing storage capability (refer to GLS report). The work entails: Design, compilation of tender documents, drawings, financial management, quality control and contract management for the construction of the new reservoir.

Position: Environmentalist

Assigned Tasks: Development of terms of reference for independent EIA practitioners, Environmental process project manager – oversight of EIA process, Review and finalisation of specialist biodiversity study, Liaison with external consultant, Technical environmental input into design

ECO at Imizamo Yethu Sports Complex, South Africa

Start Date: 2013

Client Name: City of Cape Town Municipality

Project Value: R70,576.00

ECO at Imizamo Yethu Sports Complex

Position: Project Principal

Assigned Tasks: Client liaison, quality control and review of ECO reports

Basic Assessment - CoCT Waste Sites, South Africa

Start Date: 2013

Client Name: City of Cape Town Municipality

Project Value: R337,795.00

EIA processes for a pair of proposed waste drop-off sites to enhance and facilitate waste separation and recycling within regions of the City.

Position: Project Principal

Assigned Tasks: Internal review of all project documentation prior to this being submitting to the Client for review and comment. Formal sign off on all documentation as EAP.

Pretoria West & Rooiwal Power Stations Investigations for City of Tshwane, South Africa

Start Date: 2013

Client Name: Tsholetso Projects

Project Value: R4,931,100.00

The City of Tshwane owns and operates two coal fired power stations called Rooiwal and Pretoria West respectively. These stations currently operate well below their design ratings and experience low levels of availability.

The Council has consequently initiated a process to return these stations to financially viable income generating assets and is considering various technical as well as legal / ownership models to achieve this.

Position: Environmentalist

Assigned Tasks: Generation of environmental screening investigation for both sites. Environmental advisor.

Environmental and Social Impact Study (ESIA) for Envalor Lda in Mozambique, Mozambique

Start Date: 2011

Client Name: Envalor Lda

Project Value: R2,535,604.48

Appointed to obtain environmental authorisation to develop plantations, generate electricity and produce Ethanol from sugarcane and sweet sorghum, as well as the production of food crops.

Position: Environmentalist

Assigned Tasks: Technical review of environmental documentation, Drafting of documentation to International Finance Corporation (IFC) requirements

EIA and WML for the Underground Coal Gasification Project and associated infrastructure in support of co-firing of gas at the Majuba Power Station, Mpumalanga, South Africa, South Africa

Start Date: 2008

Client Name: Eskom Holdings SOC Ltd

Project Value: R3,700,909.01

Undertaking the Environmental Impact Assessment process for (EIA, Waste Management License, Water Use License), for the Underground Coal Gasification (UCG) project for Eskom Holdings

Position: Environmentalist

Assigned Tasks: Review of environmental documentation, support to Project Manager.

Integrated Public Transport Network, South Africa

Start Date: 2012

Client Name: City of Cape Town Municipality

Project Value: R14,946,426.00

Development of an Integrated Public Transport Plan (IPTN) and a corridor plan for the Lansdowne-Wetton Corridor.

Position: Environmentalist

Assigned Tasks: Generation of environmental screening investigation for both sites. Environmental advisor.

Periodic Maintenance NR 2 section 8 Harkerville and Natures Valley, South Africa

Start Date: 2012

Client Name: South African National Roads Agency SOC Limited

Project Value: R55,000,000.00

This project is located on the N2 section 8 between Harkerville (km 47,2) and Nature's Valley (km 81,0).

Position: Environmentalist

Assigned Tasks: Compilation of documentation for authority input, Enviro-legal assessment of project, Environmental risk determination/screening, Authority liaison

DR 2151 and Camp Street Saldanha, South Africa

Start Date: 2012

Client Name: Department of Public Works

Project Value: R8,000,000.00

Rehabilitation of Division Road 2151 Saldanha

Position: Environmentalist

Assigned Tasks: Compilation of documentation for authority input, Enviro-legal assessment of project, Technical environmental input into design, Environmental risk determination/screening, Authority liaison

EIA for Klinkerstene Regional Waste Site (AECOM)

Start Date: 2012

Client Name: Interwaste

Project Description: Development of the proposed Klinkerstene regional "landfill" site, Delmas, to serve both Mpumalanga and Gauteng – carrying out the environmental (general and waste specific) authorisation / permitting process

Position: Project Principal

Assigned Tasks: Project manager and senior environmental scientist on Environmental Impact Assessment of project

Environmental Screening Report – uMkhomazi Water Transfer Project (AECOM)

2012 – 2013 (*no longer involved thereafter*)

Client: National Department of Water Affairs

Project Description: Environmental Screening process and resultant report forming part of the feasibility study – including the proposed Impendle and Smithfield Dam sites and the 30km+ tunnel linking Smithfield to the Umlaas Road water treatment works, transferring raw water from the uMkhomazi to uMlaas River catchments. Ongoing process to oversee the Environmental Impact Assessment (EIA) team generating the environmental authorisation documentation.

Position in Team: Environmental team project manager / senior environmental scientist

Assigned Tasks: Generating the environmental screening report specific to the proposed project including development of the full enviro-legal assessment of the required permits for the project. Further process to facilitate the EIA team's EIA process.

Draft Guideline document: DEAT (2007) Guideline 7: Detailed Guide to Implementation of the Environmental Impact Assessment Regulations, 2006 (WEB Environmental)

Date: 2006 – 2007

Client Name: Department of Environmental Affairs and Tourism (DEAT)

Complementary guideline to the 2006 revision of the EIA Regulations.

Position: Environmentalist

Assigned Tasks: Environmentalist Input, primary co-author.

Range of petrochemical projects (WEB Environmental)

Date: 2005 – 2011

Client: Chevron – trading as “Caltex”

Project Description: Generation of a range of environmental permitting related projects for Chevron, including full formal Environmental Impact Assessments for existing fuel stations, upgrades / amendments, advice on closures, advice on enviro-legal issues relating to the environmental field.

Position in Team: Environmental Assessment Practitioner

Assigned Tasks: Carrying out the various EIA processes in entirety, including administrative, interaction with client and authorities, technical document generation and specialists' information integration, and, carrying out the relevant public participation processes. Providing enviro-legal advice on environmental concerns for Chevron within their South African operations.

Other experience

Chief Environmental Scientist, EIA and permitting: BKS / AECOM South Africa

Date: 2012

EAP managing projects / programmes related to environmental permitting. Drafting environmental documents. Programme management of non-regulated environmental reports. Formulation of environmental policies, strategies and

screening processes. Provision of environmental input into project planning / design.

Of specific reference: Included enviro-legal audit in association with the engineering audit for the Ford plant, Silverton, Pretoria.

Senior Environmental Assessment Practitioner: WEB Environmental Consultancy

Date: 1999 – 2011

Senior EAP in self-owned environmental consultancy. Completed range of environmental management projects / processes, including petrochemical installations, mixed land-use urban developments, input into townplanning process, peer review and editing of EIAs, technical opinions on environmental requirements. Environmental Control Officer (ECO).

Of specific reference: Compliance audits carried out i.t.o. environmental authorisations. Developed range of environmental guidelines. Detailed review and compilation of International Finance Corporation (IFC) environmental documents for East European projects.

Acting Assistant Director: Gauteng Department of Agriculture and Rural Development

Date: 2003 – 2004 (concurrent with WEB Environmental)

Technical review of EIA documentation submitted for authorisation. Supervisory function of junior staff.

Environmental Manager (Contract): City of Johannesburg Metropolitan Municipality

Date: 1999 to 2005 (concurrent with WEB Environmental)

Development and implementation of environmental review process for Environmental Management unit for review of EIA and townplanning documentation. Detailed review of EIA and town planning applications. Development of sector-specific guidelines for CoJ clusters (e.g. Roads, Water) defining environmental constraints.

Environmental Officer: Gauteng Department of Agriculture and Rural Development

Date: 1998 – 2000

Technical review of EIA documents submitted for authorisation across range of development types. Compliance monitoring. Review of mining-related applications from

environmental viewpoint. Commenting on land-use applications. Input into Gauteng Land Development Objectives and Integrated Development Programmes. Advisory function i.t.o. environmental legislative requirements. Participation in manual development, including checklists and guidelines, relating to Directorate's line function.

Qualifications

- **1995** MSc Quantitative Conservation Biology, University of the Witwatersrand
- **1993** BSc (Hons) Botany, University of the Witwatersrand
- **1992** BSc Botany / Zoology, University of the Witwatersrand