

CURRICULUM VITAE

Name : Stephan van den Berg
Date of Birth : 1984
Marital Status : Married
Profession/Specialisation : Environmental
Years with Firm : 4.5 years
Nationality : South African
Years Experience : 6

KEY QUALIFICATIONS

Mr van den Berg is a project leader based in the Environment & Advisory Unit within Aurecon's Cape Town office. He has six years' experience in environmental management and assessment within the mining and infrastructure development industries. He has managed several successful projects and has also performed the role of environmental discipline leader for several large scale multi-disciplinary projects. Some of Mr van den Berg's key responsibilities include project management and co-ordination, reviewing impact assessment reports and management plans, public liaison and contract/financial management. During his career Mr. van den Berg has built a profile in corporate advisory services related to best practice guidelines and country specific legislation. To date Mr van den Berg has gained project experience South Africa, Angola, Lesotho, Mozambique, Malawi, Tanzania and Namibia.

EMPLOYMENT RECORD

2008 - Present Aurecon (formed by the 2009 merger of Africon, Ninham Shand and Connel Wagner)
2007 - 2007 Rock Environmental Consulting
2006 - 2007 Digby Wells and Associates
2004 - 2006 Geo Pollution Technologies (part time)

EDUCATION

2006 : B.Sc. (Hons) Geography, with specialization in Geomorphology, University of Pretoria, South Africa
2005 : B.Sc. Geography, University of Pretoria, South Africa

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PROJECT REFERENCE LIST

EMP for road upgrades to Kingsway Road, Maseru, Lesotho, Ministry of Public Works and Transport, 2012

Construction of a road and drainage infrastructure along main roads within the city of Maseru to rectify poor drainage and traffic congestion. Mr van den Berg was project manager responsible for drafting and submission of the EMP.

Construction of Sasko bread bakery at Woodmead Estate in Stanger, South Africa, Pioneer Foods, 2012

Basic assessment for the construction of a new bakery complex on in Stanger, Kwazulu-Natal. The new bakery complex will bake 8000 loaves per hour and will include a dispatch area for 52 loading bays. Mr van den Berg was acting on behalf of the client to manage the sub-consultants appointed to undertake the Basic Assessment.

Identification of spoil sites in Malawi for construction of Nacala Railway Project, Malawi, Vale, 2012

Field investigations to identify suitable spoil areas to place approximately 1 million cubic meters of excess material generated by the construction of the Nacala Corridor. Mr van den Berg managed the team that mobilized to site to identify potential spoil sites as well as delivery of final report.

Environmental specifications for construction of Nacala Railway Project, Mozambique and Malawi, Vale, 2012

Drafting of the environmental management special document that formed part of the general requirements and provision standard specification issued to the contractors for the Nacala Corridor Project. The aim of the document was to explain the Vale Environmental Management System (EMS) and recommend amendments/additions to Standard Specifications.

ESIA for construction of AfriSam Cement Plant, Limestone & Clay Quarries and associated infrastructure in Saldanha, Western Cape, South Africa, AfriSam, 2012

Mr van den Berg assisted with the public participation planning and execution during the Scoping and Impact Assessment phases of the project.

Detailed Design of the Nacala Railway Corridor Project, Mozambique and Malawi, Vale, 2011/12

Mr van den Berg acted as the environmental discipline leader during the project. Aurecon was responsible for detail design of the railway (horizontal & vertical alignment), bridges and culverts, access roads, pedestrian crossings and maintenance facilities.

Feasibility and Design of Pit 2 Dam at the Nkomati Nickel Mine, South Africa, Africa Rainbow Minerals, 2011

Mr van den Berg acted as the environmental discipline leader during the project. Aurecon was appointed to design mine infrastructure to optimize the water management operations of the mine in accordance with relevant regulatory requirements.

Environmental sensitivity study of vacant land within the West Rand, South Africa, City of Johannesburg Metropolitan Municipality, 2011

The project involved the legal, physical and financial feasibility studies for residential densification within the City of Johannesburg. Mr van den Berg was responsible for

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managing the environmental team that undertook the sensitivity studies and delivered the final report.

Design of Principe International Airport, Islands of Sao Tome and Principe, Mr Mark Shuttleworth, 2011

Mr van den Berg acted as the environmental advisor during the procurement of specialist ESIA sub-consultants and was responsible for the tender evaluation of proposals.

Feasibility Study and Fatal Flaw Analysis for new Tete Airport, Mozambique, Riversdale / Rio Tinto, 2011

Mr van den Berg acted as the environmental advisor during the feasibility study for the relocation of the existing Tete Airport. Three alternative options were considered and an environmental review and fatal flaw analysis was undertaken for each alternative.

Cost Benefit Analysis of telescope platform options for MeerKAT Project, South Africa, Square Kilometer Array South Africa (SKA SA), 2011

Mr van den Berg acted as the environmental advisor during the cost benefit analysis and study of proposed foundation structures for the MeerKAT radio telescope platforms. Three options were considered. The environmental advantages and disadvantages of each were investigated and rated.

Mining Right and Mining Permits applications for borrow pits and stone quarries for MeerKAT Project, South Africa, Square Kilometer Array South Africa (SKA SA), 2011

Application for relevant permits to secure material for the construction of roads, telescope foundations and associated infrastructure for the MeerKAT radio telescope (a precursor to the SKA project). Four borrow pit sites and two stone quarry sites have been identified. Mr van den Berg acted on behalf of the client to manage the specialist sub-consultants appointed to undertake the application process for mining right and permits.

SEA for Eskom network master plan for Waterberg District, South Africa, Eskom Distribution, 2011

Aurecon was appointed to undertake a desk top strategic environmental assessment for the Waterberg district to identify the most significant sensitive environmental features within the study area that will have a potential impact on the planned Eskom distribution network in this region. Mr van den Berg was the project manager of the SEA and managed junior staff who undertook the study, drafting and review of the SEA Report.

Basic assessment for development of conference and guest facilities for UNISA, South Africa, UNISA, 2010/11

Aurecon was appointed to undertake an assessment of the impacts of additional conference and guest facilities at the existing UNISA facility in Irene, Pretoria. The development included the expansion of the training centre and construction of additional overnight accommodation facilities for approximately 420 delegates. Mr van den Berg coordinated the project and acted as the interface between the project manager and client representative.

ESIA for Phase 2 of Moatize Coal Mine, Mozambique, Vale, 2010

Aurecon was appointed to update and complete the ESIA for the Moatize Mine Expansion Project in the Tete Province of Mozambique. The mine expansion included a ramp-up of 12Mta to 24Mta ROM which included additions and modifications to large areas of the existing mine infrastructure, processing plant, stockpile yard and rail loading facility. Mr van den Berg acted as the assistant project manager and assisted with the management of sub-consultants appointed to undertake specialist studies and specialist contracted to deliver the final EIA Report.

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ESIA for Nacala Railway Corridor, Coal Port and Terminal Facility, Mozambique and Malawi, Vale, 2010

Aurecon was appointed for the basic engineering design of the Nacala Railway Corridor, Coal Port and Terminal Facility to accommodate the export of up to 24Mpta of coal. Mr van den Berg was the coordinator between the engineering design team and EIA team in order to align design work that was undertaken in parallel with the environmental studies and findings.

Study of alternative transport alternatives of coal from Moatize to Beira, Mozambique, Vale, 2010

Aurecon was appointed to study the feasibility and cost of transporting coal from the Moatize Mine to the port of Beira along the EN6 and EN7 national roads. The study included environmental and social fatal flaw analysis and risk identification and proposal of mitigation measures to mitigate these risks and impacts. Mr van den Berg was the project manager of the environmental and social components of the study and managed consultants who undertook the investigations.

EIA for deviation of gas pipeline through Tembisa, South Africa, Sasol Gas, 2010

Aurecon undertook the EIA for the 18km long steel gas pipeline deviation through Midrand and Tembisa in Johannesburg. Mr van den Berg was the ESIA project manager responsible for delivery of EIA Report and EMP.

EIA for deviation of gas pipeline through Alberton, Boksburg, Germiston, Brakpan and Krugersdorp, South Africa, Sasol Gas, 2010

Aurecon undertook the EIA for five gas pipeline deviations within suburbs of Ekurhuleni and Mogale City. Mr van den Berg was the ESIA project manager responsible for delivery of EIA Report and EMP.

Environmental assessment for upgrade and rehabilitation of Mejametalana Air Force Base, Lesotho, Ministry of Public Works and Transport, 2010

Aurecon was appointed to do the detail design and EIA of upgrades to the Mejametalana Air Force Base which included a re-designed vertical alignment of the runway and new storm water management infrastructure. Mr van den Berg was the project manager and lead consultant responsible for delivery of the Project Brief Report.

Operational stone quarry environmental audits at Barro do Dande, Uche & Port Amboim, Angola, Conduril, 2009/10

Aurecon was appointed to undertake environmental performance audits and to prepare an audit report (which included a noise audit report and rehabilitation and landscaping plan) and EMP. Mr van den Berg was the project manager who was responsible for delivery of Environmental Audit Report and EMP, as well as managing Rehab Plan & Landscape Plan specialist sub-consultants.

ESIA and RAP for the upgrading of 225km gravel road between Tunduma and Sumbawanga, Tanzania, Government of the United Republic of Tanzania (funded by Millennium Challenge Account), 2009

Aurecon was appointed to undertake a review and update of the detailed design, cost estimates, ESIA and RAP for the upgrading of the 225 km road between Tunduma and Sumbawanga to a bitumen standard. Mr van den Berg acted as the coordinator of lead ESIA consultant and specialist social and resettlement sub-consultants in order to ensure successful delivery of the final ESIA Report.

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ESIA for Quicabo and Ucuva stone quarries, Angola, Conduril, 2009

Aurecon undertook an EIA for two proposed stone quarries in northern Angola. The project included the undertaking of an ESIA and the publication of an EIA Report, EMP and Rehabilitation and Landscaping Plan. Mr. van den Berg was the project manager responsible for delivery of ESIA and EMP and management of specialist sub-consultants.

Development of Environmental Standards for New Coal-Fired Power Plants in Africa, Tunisia, African Development Bank (ADB), 2008/9

This study focused on the identification of appropriate standards that need to be considered for investments in sustainable African power, with particular regard to greenhouse gas emissions and air quality. The study provided an overview of coal-fired plant operation, carbon capture and storage (CCS), carbon finance perspectives for African power development and relevant air quality standards from other financing institutions and standards organizations. Mr van den Berg was the environmental advisor on the specialist team of 4 consultants and advised the working group on air quality standards and guidelines from other financing institutions and standards organizations.

Bankable Feasibility Study for Moatize Mine Expansion Project, Nacala Railway Corridor and Nacala Coal Port and Terminal Facility, Mozambique and Malawi, Vale, 2008/9

The study investigated alternative rail route alignments of coal export from the Moatize Mine to the new port at Nacala up to a total annual throughput of 26 Mtpa (master plan scenario was 40Mtpa). Interim temporary solutions to accommodate the ramp-up of coal production and export were also investigated (up to 7 Mtpa). Aurecon undertook a social and environmental fatal flaw analysis and provided cost estimates of resettlement and mitigation measures that were foreseen in the future of the project. Mr van den Berg acted as the project coordinator between the company appointed to assist with the work and the engineering team.

Basic Assessment for construction of Eden District Emergency and Disaster Management Centre radio mast, South Africa, Eden District Municipality, 2008

Aurecon was appointed to do the design, project management and Basic Assessment of a new radio mast that needed to be erected a part of the new emergency and disaster and management centre located in George. Mr van den Berg was the environmental assessment practitioner who was responsible for the drafting and submission of the BA Report.

Environmental assessment of Mohlapiso Bridge and approach roads over the Senqu River, Lesotho, Ministry of Public Works and Transport, 2008

Mr van den Berg was the assistant environmental assessment practitioner who was responsible for the drafting and submission detailed Project Brief Report for the proposed construction of the Mohlapiso Bridge across the Senqu River and associated approach roads.

EIA for the proposed expansion to the Klippoortjie Colliery, Mpumalanga, South Africa, Xstrata Coal, 2007.

Mr van den Berg was the junior environmental assessment practitioner who assisted with the drafting and delivery of the final EIA report.

EIA and EMP for the Mmamabula Energy Project, Botswana, CIC Energy, 2007

Mr van den Berg was the EIA project team member responsible for researching alternatives to the project (i.e. solar energy, natural gas, wind energy and nuclear energy).

Greenhouse Gas Inventory for Xstrata Coal, South Africa, 2007

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Digby Wells & Associates was appointed to conduct a Greenhouse Gas Inventory for Xstrata Coal based on the guidelines provided by the Intergovernmental Panel on Climate Change (IPCC). Four different collieries of Xstrata Coal were studied. The work included calculating different greenhouse gas emissions from the individual collieries and proposing methods of minimizing these emissions. Mr van den Berg was one of five environmental consultants that undertook the study and was responsible for delivery of the draft report to the project manager.

Development of an Integrated EMP for Pan Africa Shopping Complex and Taxi Rank in Alexandra, South Africa, Old Mutal Property, 2007

Mr van den Berg was the junior consultant responsible for compiling an integrated environmental management plan for the proposed project.

ECO Projects:

Construction of the 17km long outfall gravity-sewer along the Moreleta Spruit in Pretoria. Pipe diameter ranged from 400mm to 1.2m with trenches up to 17m deep. South Africa, City of Tshwane Water and Sanitation Division, 2009-2011

Construction of the Charlie Taxiway Extension, New Taxiway, Northern Ring Road and the Remote Apron Stand & Associated Infrastructure at upgrades to OR Tambo International Airport, South Africa, ACSA, 2008/9

Construction of multi-phase Serengeti Golf and Wildlife Estate next to the R21 highway in Kempton Park, South Africa, Africa Kingdom Holdings, 2009

HONOURS AND AWARDS

Mr van den Berg received the award for best poster presentation at the 2006 South African Society of Geographers Student's Conference, and also received a certificate of leadership from the University of Pretoria.

Mr van den Berg received the award for best student in the subject of geography in Grade 12.

LANGUAGES

	Reading	Writing	Speaking
English	Excellent	Excellent	Excellent
Afrikaans	Excellent	Excellent	Excellent