

Curriculum vitae: Mrs K DE BRUYN

Name : DE BRUYN, KAREN
 Date of Birth : 12 December 1987
 Profession/Specialisation : Environmental Management
 Years with Firm : 2
 Nationality : South African
 Years experience : 3

Key qualifications

Mrs de Bruyn is currently employed as an Environmental Assessment Practitioner at Aurecon, where she assists with compiling Basic Assessment Reports (BARs), Environmental Management Plans (EMPs), and Environmental Impact Assessments (EIAs).

Mrs de Bruyn has experience in a wide range of projects; however the main focus has been waste management and renewable energy projects.

Mrs de Bruyn holds a BSc Conservation Ecology and an MPhil in Environmental Management degrees both obtained from the University of Stellenbosch. The aim of her thesis was to evaluate whether desalination technology is the solution to water shortages along the coastal towns of South Africa.

Employment record

03/2011 - Date Aurecon, Environmental Assessment Practitioner (EAP)
 02/2010 - 02/2011 Anël Blignaut Environmental Consultants, Environmental Assessment Practitioner (EAP)

Experience record

Cost estimates for solid waste management for the Kareeberg, Tsantsabane, Siyancuma, SiyaThemba Municipalities (Northern Cape Province, South Africa) 06/2012 - 08/2012. *Environmental Assessment Practitioner (EAP).* Many of South African municipalities do not properly manage the waste generated in their jurisdiction, and few comply with the National Environmental Management Waste Act (NEMA). Cost estimates were compiled to allow these municipalities to budget for the necessary environmental processes, upgrades, decommissioning of sites and the establishment of new sites. Responsible for site visits, compiling cost estimates to enable the municipalities to secure necessary budgetary requirements for sound solid waste management, fieldwork, report writing and identifying a way forward for these municipalities in terms of the required environmental processes. Involved for 2 person-months. (Mubesko Africa).

Update to Environmental and Social Impact Assessment for the Construction of MET staff houses at Ombika Gate of the Etosha National Park (Etosha National Park, Namibia) 06/2012 – 08/2012 *Environmental Assessment Practitioner (EAP).* The Millennium Challenge Account Namibia (MCA-N) is supporting the Ministry of Environment and Tourism (MET) with regard to infrastructure improvements in Etosha National Park (ENP). An Environmental and Social Impact Assessment (ESIA) study in 2010 by Aurecon identified and assessed all environmental and social impacts and developed required mitigation measures for all identified environmental issues for the site on the eastern side of the Ombika Gate (Ombika East). Both the site selection report and the follow-up site specific ESIA study were formally approved and Environmental Clearance granted by MET in accordance with the Environmental Management Act (EMA) of 2007. However, MET has formally requested that an alternate site on the west side of the road (Ombika West) be included in the assessment for the new staff village at Ombika (Okaukuejo Gate). Responsible for updating the ESIA report, site visit, informing adjacent landowners of the additional study. Involved for 2 person-months. (MCA-N).

Construction Phase Environmental Management Programme for the Proposed Western Region office building for SANRAL on Erf 39688, Upper Oakdale (Western Cape Province, South Africa) 04/2012 – 05/2012 *Environmental Assessment Practitioner (EAP).* SANRAL required additional office space and proposed to develop a business park that would entail the construction of an office building of approximately 3000 m²; widening of the existing Mispel road, additional access roads, landscaping, lighting, parking bays, security and signage. The CEMPr provided a link between the identified impacts and the environmental

management required during project implementation. Responsible for compiling the EMP. Involved for 1 person-month. (SANRAL).

Integrated Waste Management Plan to address the illegal waste disposal activities at Strandfontein High School, Mitchell's Plain (Western Cape Province, South Africa) 02/2012 – Date. *Environmental Assessment Practitioner (EAP).* The Department of Environmental Affairs and Development Planning (DEA&DP) Directorate: Environmental Compliance and Enforcement issued Strandfontein Secondary School with a Warning Letter based on the illegal waste disposal activity on Erf 14927. In response to these illegal activities, the DEA&DP intervened and all disposal activities were ceased. An Integrated Waste Management Plan (IWMP) were compiled in order to address the section on the western side of the School's property which has been disturbed through various contractors appointed to remove a sand dune and infill the area with builder's rubble.

Proposed photovoltaic solar energy facilities near De Aar (Northern Cape Province, South Africa) 09/2011 - Date. *Environmental Assessment Practitioner (EAP).* Mulilo Renewable Energy proposed to construct three photovoltaic solar energy facilities near De Aar, which would enable them to be taken into consideration as an Independent Power Producer (IPP). The Integrated Resource Plan (IRP) 2010 allows for an additional 14 749MW of renewable energy in the electricity mix in South Africa by 2030, and Mulilo wanted to participate in this programme. The proposed facilities would be able to generate 169MW collectively. Responsible for compiling the scoping reports, the Basic Assessment Report (BAR), conducting the Public Participation Process (PPP) and liaising with all stakeholders. Involved for 7 person-months. (Mulilo Renewable Energy (Pty) Ltd).

Cost estimates for solid waste management for the Knysna, Cape Agulhas and Prince Albert Municipalities (Western Cape Province, South Africa) 06/2011 - 08/2011. *Environmental Assessment Practitioner (EAP).* Many of South African municipalities do not properly manage the waste generated in their jurisdiction, and few comply with the National Environmental Management Waste Act (NEMA). In order to identify non-compliance activities in the waste management systems of the Prince Albert, Phokwane, Cape Agulhas and Kannaland Municipalities, a site visit was undertaken and a cost estimates compiled. The cost estimates allowed these municipalities to budget for the necessary environmental processes, upgrades, decommissioning of sites and the establishment of new sites. Responsible for site visits, compiling cost estimates to enable the municipalities to secure necessary budgetary requirements for sound solid waste management, fieldwork, report writing and identifying a way forward for these municipalities in terms of the required environmental processes. Involved for 3 person-months. (Mubesko Africa).

Operational phase management plan of the Sandown Shoprite Checkers in Parklands (Western Cape Province, South Africa) 04/2011 - 05/2011. *Environmental Assessment Practitioner (EAP).* As a prerequisite to get the building plans for the Sandown Shoprite Checkers approved, an Operational Environmental Monitoring Programme (OEMP) had to be submitted to the City of Cape Town. The OEMP addressed key issues of on-site stormwater management, landscaping and management of a portion of public open space and a retention pond containing floating islands. Responsible for compiling an Operational phase management plan. Involved for 1 person-month. (Shoprite Checkers).

Basic assessment process for the upgrade of Distillery Road in Wellington (Western Cape Province, South Africa) 04/2011 - Date. *Environmental Assessment Practitioner (EAP).* Drakenstein Municipality was aiming to upgrade a 1.4km section of Stokery Road, starting 200m from the intersection with Main Road 27, Champagne Street, up to the intersection with Main Road 219, Main Street. The geometric layout was upgraded from a 9.2m surfaced road to a 14.8m surfaced road, with 1.8m surfaced sidewalks. This allows for two 3.4m lanes per direction to accommodate the left and right turning of heavy vehicles, and for safer pedestrian usage. The stormwater system upgrade included a concrete culvert to replace the current unlined channel on the western side. Responsible for completing the application form, the Basic Assessment Report (BAR) and the Environmental Management Plan (EMP). Involved for 3 person-months. (Drakenstein Local Municipality).

Borrow pit inspection in Oudtshoorn (Western Cape Province, South Africa) 03/2011 - 03/2011. *Environmental Assessment Specialist (EAP).* The project entailed assisting with the screening evaluation of potential borrow pit sites in the Oudtshoorn Municipal District. The three potential borrow pit sites were assessed in a high level screening process according to suitability from an environmental perspective to take it to the next level of geological investigation. Responsible for assisting the team leader with the compilation of the feedback/screening report of the potential sites that were investigated, and assisting with field work. Involved for 0.5 person-months.

Education

2011 : MPhil Environmental Management, University of Stellenbosch, South Africa
 2009 : BSc Conservation Ecology, University of Stellenbosch, South Africa

Professional affiliations

Associate Member, Institute of Waste Management of Southern Africa (IWMSA)
 Member, International Association for Impact Assessments South Africa (IAIASA)
 Certified Natural Scientist, South African Council for Natural Scientific Professions (SACNSP)

Languages

	Reading	Writing	Speaking
English	Excellent	Excellent	Excellent
Afrikaans	Excellent	Excellent	Excellent
Portuguese	Poor	Poor	Poor

Referees

Company	Contact Person	Telephone nr.
Anèl Blignaut Environmental Consultants	Anèl Blignaut	+27 82 751 9596 anel@dpeng.co.za

By my signature below I certify the correctness of the information above and my availability to undertake this assignment.



Signature of Staff Member

08/08/12

Date