CURRICULUM VITAE

Name of Firm	:	Aurecon South Africa (Pty) Ltd	
Name of Staff	:	A van der Merwe	
Profession	:	Environmental Engineer	
Year of Birth	:	1973	
Years with Firm	:	17	
Nationality	:	South African	

MEMBERSHIP IN PROFESSIONAL SOCIETIES:

- Registered Professional Environmental Engineer (20030250 3 November 2003), Engineering Council of South Africa (PrEng)
- Member (091496 16 March 2005), South African Institution of Civil Engineering (MSAICE)
- Member (30105050 8 September 2005), Institute of Waste Management of Southern Africa (MIWMSA)
- Member (2171 7 April 2008), International Association for Impact Assessment: South Africa (IAIAsa)

KEY QUALIFICATIONS:

Andries van der Merwe is an Environmental Engineer and heads up the environmental team of the Environment & Advisory Services Unit of the Aurecon Cape Town Delivery Centre, which includes a branch in George. He takes final responsibility for all projects and marketing activities undertaken by his team and has been involved in a wide spectrum of infrastructure development projects throughout Africa. He regularly acts as project team leader and provides technical assistance and input on projects undertaken that typically include large-scale Environmental Impact Assessments (EIAs) related to the resource and energy sectors. He has a keen interest in the application of Multicriteria Decision Making (MCDM) Models in EIA, environmental engineering and strategic planning projects and enjoys challenges in this regard. Recent large EIAs include the Phase 2 SEIA for the Rössing Uranium Mine Expansion Project in Namibia and a series of EIAs for the proposed Moatize Mine Expansion and Nacala Rail Corridor through Mozambique and Malawi for Vale in which he acted as the overall project leader, supported by a senior project manager per each of the five EIA packages.

He has been involved in a number of training and capacity building projects in the field of environmental management. Recent examples include the second phase of the Integrated Industrial Pollution Prevention programme in Mozambique that focused on capacity building in the Environmental Ministry in Mozambique, with specific emphasis on hazardous waste, pollution control and related strategies, as well as the environmental management module of the European Union funded infrastructure asset management training programme run by the National Department of Provincial and Local Government in South Africa for officials of various local and district authorities.

He is a trained SABS/ISO 14001 Environmental Management Systems (EMS) auditor and his specific expertise allows him to assume a leading role in the compilation of Environmental



Management Systems (EMSs) and Environmental Management Plans (EMPs) for all life-cycle phases of typical infrastructure development projects, as well as the monitoring and auditing of the implementation of EMSs and EMPs on site. Recent projects of this nature include the operational EMP for the Sunderland Ridge Wastewater Treatment Works, the design and construction EMP for the Gautrain project, EMP implementation monitoring on the 60km Polokwane Effluent Transfer Project for AngloPlatinum and the first phase of EMS development completed for Yum! Restaurants International, that represents KFC in South Africa.

Earlier in his career, he has been exposed to construction environments in both full time and parttime site supervision roles and the design office where he was responsible for the engineering designs and contract documentation for a wide spectrum of infrastructure projects and again later in his career with specific focus on construction EMP implementation monitoring and auditing.

EDUCATION:

• B Eng (Civil), University of Pretoria, South Africa, 1995

EXPERIENCE RECORD:

March 2012 to date

Environmental and Social Impact Assessment of Three New Shoprite Checkers Supermarkets, Angola Project Director (Environmental and Social Component)

The project entailed an Environmental and Social Impact Assessment for three proposed new Shoprite Checkers supermarkets and line shops in Angola (Kwanza-sul, Benguela and Luanda), including site screening, scoping study, final Environmental Impact Statement, and a monitoring plan. (Shoprite Angola).

February 2012 to date

Environmental Impact Assessment for the Establishment of a Cement Factory, Saldanda Bay, South Africa Project Director

Appointed to conduct an Environmental Impact Assessment for the establishment of a cement factory, transport corridor, limestone quarries and associated infrastructure in Saldanha Bay to facilitate environmental, waste, and atmospheric emissions licence approvals from the requisite authorities. (AfriSam).

February 2012 to date Environmental Impact Assessment for the Proposed Extension of the Ash Dam Facility at Kriel Power Station, Kriel, South Africa Project Director

Appointed by Eskom to conduct an environmental impact assessment for the proposed construction of a fourth ash dam facility at the Kriel power station, including site screening process, compilation of the scoping and EIA reports, public participation and the compilation of a Waste Management Licence application. (Eskom Generation).

September 2010 to date

Environmental Impact Assessment of Five New Shoprite Checkers Branches, Angola Project Director (Environmental Component)

The project entailed an Environmental Impact Assessment for five proposed new Shoprite Checkers branches in Angola (Huambo, Lobito, Belas, Palanca and Lubango), including site screening, scoping study, final Environmental Impact Statement, and a monitoring plan. (Shoprite Angola).

December 2009 to date Emergency Desalination Plant, Plettenberg Bay, South Africa Project Leader

Compilation of a Section 24G application in terms of the National Environmental Management Act for an emergency 2Ml/d seawater reverse osmosis plant as a result of more than 1:150 year drought situation in the Southern Cape, inclusive of a construction phase Environmental Management Plan. (Bitou Municipality).

October 2011 to December 2012 Environmental and Socio-Economic Impact Assessment for the proposed coal-fired power station at Arandis, Namibia Project Director

Appointed to provide the lead consultancy services for the Environmental and Socio-Economic Impact Assessment for the proposed coal-fired power station at Arandis, including a site screening and selection process through the application of a multicriteria decision making model, a scoping and Environmental Impact Assessment study and the development of an Environmental Management Plan. Involved for 3.75 person-months. (Namibian Power Corporation (NamPower)).

May 2010 to December 2012 Emergency Desalination Plant, Mossel Bay, South Africa Project Leader

Compilation of a Section 24G application in terms of the National Environmental Management Act for an emergency 15Mt/d seawater reverse osmosis plant as a result of more than 1:150 year drought situation in the Southern Cape, inclusive of a construction phase Environmental Management Plan. Involved for 0.75 person-months. (Mossel Bay Municipality).

January 2012 to November 2012 Mineral Exploration Environmental Management Plan for Licence Areas No 3450L and 3451L, Moatize District, Mozambique Project Director

Compilation of an Environmental Management Plan for mineral exploration drilling (diamond core and percussion drilling) in Licence Areas no 3450L and 3451L of the Moatize coal fields north of Tete City. Involved for 0.5 person-months. (Coal of India Limited).

June 2012 to August 2012 Cost Estimates for Solid Waste Management for the Kareeberg, Tsantsabane, Siyancuma and SiyaThemba Municipalities, South Africa Project Director (Environmental Component)

Many of South African municipalities lack proper waste management, and few general waste sites comply with the National Environmental Management Waste Act. Cost estimates were compiled to assist these municipalities with budgeting for the necessary environmental processes, upgrades, decommissioning of sites and the establishment of new sites. Involved for 0.5 person-months. (Mubesko Africa).

February 2012 to August 2012

Environmental Manual for Transportation Projects, United Arab Emirates

Project Leader (Environmental Manual Component)



The compilation of an environmental manual for transportation projects for the Abu Dhabi transport system, relating to the unifying and standardising of highway engineering practices in the emirate. Involved for 0.5 person-months. (Abu Dhabi Department of Transport).

February 2012 to July 2012Environmental Management Programmes for Khanyisa
Coal-fired Power Station, Mpumalanga, South Africa
Project Director (Environmental Management
Programme Component)

Appointed by Eskom for the compilation of construction and operations phase Environmental Management Programmes for the proposed 450MW Khanyisa coal-fired power station and associated infrastructure, including ash disposal dumps. Involved for 0.5 person-months. (Eskom Generation).

August 2011 to June 2012 Environmental Screening for the Pre-Feasibility Study on the Great Lakes Railway, Zambia, Uganda, Rwanda, Burundi, South Sudan and the Democratic Republic of the Congo Project Director (Environmental Component)

Appointed to investigate the potential environmental impacts associated with a high level prefeasibility investigation of railway alignments from Zambia to Southern Sudan, including various lake ports. Involved for 0.75 person-months. (Common Market for Eastern and Southern Africa (COMESA)).

June 2012 to July 2012 Environmental Management Plans for Coal Bed Methane Prospecting Activities, Tete, Mozambique. Project Director

Rio Tinto Coal Mozambique (RTCM) intended to expand their currently authorised Coal prospecting activities in Mozambique to include prospecting for Methane. Aurecon was appointed to urgently compile EMPs to control activities associated with prospecting for Coal Bed Methane for lease areas 935L, 948 and 945L in Tete Province, Mozambique. Involved for 0.3 personmonths. (Rio Tinto Coal Mozambique).

August 2008 to June 2012 Phase 2 Social and Environmental Impact Assessment for Rössing Uranium's expansion project, Arandis, Namibia Project Leader

The second phase Social and Environmental Impact Assessment for Rössing Uranium's expansion project including increased production in the current SJ open pit and the establishment of associated process facilities including additional crushers and ore stockpiles, the establishment of an acid heap leaching facility that would be a first in uranium processing, increased waste rock dump capacity and increased tailings capacity. The project included 12 specialist studies and involved a targeted focus group approach to public participation to enhance stakeholder participation. Involved for 12.0 person-months. (Rössing Uranium / Rio Tinto).

March 2010 to December 2011

Environmental Impact Assessments for the Nacala Rail Corridor, Mozambique and Malawi Project Leader

A series of four Environmental Impact Assessment packages for the proposed 860km Nacala Rail Corridor for the export of coal from the Vale Moatize Mine involving the construction and rehabilitation of the railway line between the loading terminal at the mine and the offloading terminal at the proposed deepwater port at Nacala-a-Velha, passing through southern Malawi. The



project assessed the following components: the expansion of the existing mine loading terminal to accommodate the additional train traffic, transport of coal in trains (each comprising 4 diesel electric locomotives and 115 wagons with a capacity of 60t), management of train movement in the yards with priority given to loaded trains, signalling and control of movement of trains along the route based on GPS technology to allow for monitoring the movement of each and depots along the route to allow for provision of supplies and exchange of teams. It also included the deepwater port at Nacala-a-Velha with new coal terminal off-loading facilities using rail car tippler dumpers, workshops to house rolling stock and to allow for maintenance of trains following discharge and infrastructure for fuel provision. Construction is proposed to start mid-2011, with export capacity ramping up to 26Mtpa in 2016. The focus of the assessments was to review the relevant scoping reports, EPDA reports and available baseline data and acquiring updated information where necessary to describe and assess the predicted social and environmental impacts of the proposed additional infrastructure. Each package included a common assessment of the strategic impacts related to the project as a whole within the region, to allow for an understanding of each component within the bigger picture. Involved for 6.8 person-months. (Vale Mozambique).

September 2009 toHSE Brochure for Rössing Uranium's ExpansionNovember 2011Project, Arandis, NamibiaProject Leader

Compilation of a succinct and easily accessible brochure describing Rössing Uranium's Health, Safety and Environmental Management System components such as management policies, programs and procedures already in use at the mine for wider public understanding. Involved for 0.5 person-months. (Rössing Uranium / Rio Tinto).

March 2010 to April 2011 Environmental Impact Assessment for the Moatize Coal Mine Expansion Project, Tete, Mozambique Project Leader

The additional infrastructure required for the Moatize coal mine expansion included a second primary crusher and second coal processing plant, increased raw water supply and storage capacity, an upgraded water treatment plant and power substation, a new coal conveyor system, enlarged storage yard to accommodate two lines of coal, optimised materials handling between the existing operations and proposed expansion, upgraded leachate cut-off drains, upgraded tailings dam effluent filtration system, and solid waste landfill and hazardous waste disposal facilities. The Environmental Impact Assessment coincided with a pre-feasibility study (FEL2 Level) undertaken to determine the infrastructure required to accommodate the expansion of the mine. The aim of the assessment was to seek a decision regarding the project acceptability from the Mozambican environmental authorities (MICOA) through an update of the assessment completed for the first Moatize Mine complex and to describe, include and assess the proposed additional infrastructure. Involved for 1.3 person-months. (Vale Mozambique).

April 2010 to April 2011

Application of a Multicriteria Decision Making Model to Rank Development Sites within Etosha National Park, Namibia Environmental Engineer

Application of a Multicriteria Decision Making (MCDM) Model to rank identified potential development sites in two zones within the Etosha National Park as part of the Environmental & Socio-Economic Impact Assessment for the proposed provision of staff housing and related infrastructure. Involved for 0.8 person-months. (Millennium Challenge Account Namibia).

January 2009 to January 2011

Social and Environmental Management Plan for Mineral Exploration Drilling, Arandis, Namibia Project Leader

Andries van der Merwe WB Mining Updated March 2013



Compilation of a Social and Environmental Management Plan for exploration drilling activities within the overlap of the sensitive Namib-Naukluft Park and Rössing Uranium mine licence area. Later also appointed for a Phase 2 exploration drilling Social and Environmental Management Plan to address more detailed infill drilling, inclusive of rehabilitation plans for drill sites and access routes. Involved for 0.5 person-months. (Rössing Uranium / Rio Tinto).

February 2010 to June 2010Social and Environmental Management Plan for New
Sulphuric Acid Storage Tank at the Rössing Uranium
Mine, Arandis, Namibia
Project Leader

Compilation of a Social and Environmental Management Plan for the proposed new 15Kt sulphuric acid storage tank located within the mine precinct adjacent to similar tanks to increase acid storage capacity. Involved for 0.1 person-months. (Rössing Uranium / Rio Tinto).

July 2008 to December 2009Social and Environmental Impact Assessment for a BulkSulphur Handling Facility, Walvis Bay, NamibiaProject Leader

Compilation of a Social and Environmental Impact Assessment, inclusive of a Social and Environmental Management Plan for the proposed bulk sulphur importation, stockpiling and handling facility in the Port of Walvis Bay. Involved for 0.5 person-months. (Rössing Uranium / Rio Tinto).

May 2009 to December 2009 Social and Environmental Screening of Potential Railway Route Alternatives, Southern Malawi Project Leader

Screening of 4 potential railway alternatives through southern Malawi, as part of a wider study to determine the feasibility of establishing an export corridor from Tete in Mozambique, through Malawi, to the port of Nacala-a-Velha in Nampula. The environmental screening coincided with a FEL2 level engineering study evaluating the technical and financial feasibility of the routes. The environmental and social screening was done using a simplified Multicriteria Decision Making Model and comprised a review of background information, authority liaison and meetings, compilation of a list of suitable social and environmental screening criteria and rating methodology for each specified criteria, a detailed legal framework review, fieldwork to confirm sensitivity of the receiving environmental mitigation measures including resettlement (split into capital and operational costs) and presentation of the findings and recommendations in a summary report. Involved for 0.8 person-months. (Vale Mozambique).

May 2008 to August 2009 Environmental & Socio-Economic Impact Assessment for proposed NamPower coal-fired power station at Walvis Bay, Namibia Environmental Engineer

Lead consultancy services for the Environmental & Socio-Economic Impact Assessment for proposed NamPower coal-fired power station and additional black start facility at Walvis Bay that included a site screening and selection process through the application of a Multicriteria Decision Making Model, a scoping study and the development of an Environmental Management Plan. Involved for 2.0 person-months. (Namibian Power Corporation).

November 2008 to June 2009

Review of the Environmental Studies and Order of Magnitude Cost Estimate and Planning for Mine



Expansion in Moatize and Nacala Rail Corridor from Moatize to Nacala-a-Velha, Mozambique and Malawi Project Leader

An updated Bankable Feasibility Study was required for the entire Moatize Phase 2 mine expansion to step up production and export through the planned rail link to Nacala through southern Malawi, inclusive of the planned construction of a deepwater port at Nacala-a-Velha in Mozambique. The deliverables included a general social and environmental mitigation cost estimate, a specific social resettlement mitigation cost estimate, generic statements of risk and identification of potential fatal flaws related to the different alternatives, detail on the required specialist studies with associated cost estimates, costs for completion of full Environmental Impact Reports (EIRs) and recommendations for way forward in a summary report. Involved for 3 personmonths. (Vale Mozambique).

April 2008 to March 2009

Application of a Multicriteria Decision Making Model to Optimise Future Land Use Planning at Rössing Uranium, Arandis, Namibia Project Leader

Development and application of a Multicriteria Decision Making (MCDM) Model to optimise future land use planning at Rössing Uranium focusing on the new waste dump areas, heap leach and ripios sites and mine tailings areas. Following the outcome of the study, further engineering work was done and the model later updated to reflect the updated information and to evaluate further development options. Involved for 1 person-month. (Rössing Uranium / Rio Tinto).

May 2008 to August 2008 Paratus Emergency Generation Facility, Walvis Bay, Namibia Environmental Engineer

Environmental authorisation process in relation to a proposed 50MW heavy fuel oil emergency electricity generation facility located within Walvis Bay. Involved for 0.5 person-months. (Namibian Power Corporation).

February 2008 to August 2008Social & Environmental Management Plan for Rössing
Uranium Expansion Phase 1 SEIA, Arandis, Namibia
Environmental Engineer

The social & environmental management plan for the first phase of Rössing Uranium's expansion project including an acid manufacturing plant, radiometric ore sorter and new satellite SK4 pit. Involved for 1.5 person-months. (Rössing Uranium / Rio Tinto).

September 2006 to February 2008 Overhead 132kV Powerlines to Liqhobong and Kao Diamond Mines, Lesotho Project Leader

Environmental Impact Assessment, Social Impact Assessment and Public Participation for the 38km of 132kV overhead powerlines from the Ha Lejone substation to the new Liqhobong and Kao Diamond Mines in northern Lesotho in difficult and inaccessible mountainous terrain. Involved for 4 person-months. (Liqhobong Mining Development Company and Kao Diamond Mine / Plantech Associates).

September 2007 to December 2007 Environmental Screening of Infrastructure Alternatives, Sishen Iron Ore, Sishen, South Africa Project Leader



The environmental screening of proposed infrastructure route alternatives, as input into the design processes for the relocation of infrastructure required as part of the Sishen Expansion Project, to increase production at the Sishen opencast iron ore mine. Involved for 0.5 person-months. (Kumba Iron Ore).

February 2007 to December 2007 Polokwane Effluent Transfer Project, Polokwane, South Africa Environmental Control Officer

Acting as the part-time Environmental Control Officer on this project to transfer treated sewage effluent from the Polokwane wastewater treatment works to the AngloPlatinum mine outside Mokopane, including two pumpstations, approximately 60km pipeline and several reservoirs along the alignment. Involved for 2 person-months. (AngloPlatinum).

November 2006 to December 2007 Doornkraal Reservoir, Polokwane, South Africa Environmental Control Officer

Acting as part-time Environmental Control Officer on the 30MI Doorkraal Reservoir construction, west of Polokwane. Involved for 0.8 person-months. (AngloPlatinum).

April 2006 to December 2007 Rietfontein Weir Dredging and Landfilling, Trichardt, South Africa Project Leader

The EIA for the dredging and landfilling of contaminated silt from the Rietfontein Weir in the Trichardtspruit north of the SASOL Syferfontein Mine outside Trichardt, inclusive of the public participation process and permitting of the proposed hazardous waste landfill. Involved for 1.5 person-months. (Department of Water Affairs and Forestry).

July 2006 to September 2007

McHardy Stream Diversion Basic Assessment, Cullinan, South Africa Project Leader

The Basic Assessment in terms of the National Environmental Management Act EIA Regulations for the diversion of the McHardy Stream through the Cullinan Diamond Mine grounds to establish separation of polluted runoff from mining activities and unpolluted natural stormwater flow. Involved for 0.63 person-months. (De Beers Group Cullinan Diamond Mine).

September 2006 to March 2007

Joint Maputo River Basin Water Resources Study, Mozambique, Swaziland and South Africa Environmental Engineer

Compilation of an Environmental Impact Assessment (EIA) Best Practice Guideline, based on a comparative review of EIA triggers and process requirements in the Tripartite Permanent Technical Committee member countries and international best practice, that contributed to an integrated comprehensive study of the water resources of the Maputo River Basin, covering Mozambique, Swaziland and South Africa. Involved for 1.0 person months. (Tripartite Permanent Technical Committee / European Union).

February 2006 to March 2006

BKM Mine Infrastructure, Postmasburg, South Africa Project Leader

Environmental technical assistance to the engineering design team involved with the design of mine access and services infrastructure for the BKM iron ore mine, named after the Bruce, King and Mokaning farms on which it is situated, adjacent to the existing Sishen Mine in the Postmasburg area in the Northern Cape. The assistance focused on the review of all available baseline information and mine environmental authorisation applications to establish a list of criteria that would ensure compliance to environmental best practice and authorisation permit conditions applicable to design of services infrastructure. The proposed mine will be an opencast mine with a washing, screening and beneficiation plant, ore stockpiles, crushing plant, conveyors and a rapid rail loading facility. Involved for 0.2 person-months. (BKM Iron Ore Mine).

January 2004 to March 2006 Integrated Industrial Pollution Prevention – Phase 2 National Hazardous Waste Management Strategy, Mozambique Environmental Engineer and Project Leader of Subconsultancy Team

Technical assistance to the Ministry of Environmental Affairs, in association with Ramboll, as part of the Integrated Industrial Pollution Prevention Programme (Phase 2) funded by DANIDA, aimed at hazardous waste management in Mozambique and capacity building within the Ministry regarding issues relating to the identification, handling, disposing, monitoring and regulating of hazardous waste. The work culminated in the drafting of new auditing guidelines for the Pollution Prevention section of the MICOA, to be used in future audits and reviews of EIA applications. Audits were carried out on industrial sites in and around Maputo with MICOA staff, including the Port of Maputo. It also involved an environmental impact assessment (EIA) and design review of the then proposed hazardous waste disposal facility at Mavoco, Beluluane and specification of operational monitoring requirements, as part of the operational manual. Involved for 2.5 personmonths. (Ministerio para a Coordenacao a Accao Impacto Ambiental (Micoa) / DANIDA).

October 2003 to March 2006 Limpopo National Park First Phase Infrastructure, Mozambique Environmental Engineer

EIA for the first phase infrastructure development for the Limpopo National Park comprising a camp, workshop, administrative complex, staff housing, ranger posts and new entrance gate. Involved for 2 person-months. (Limpopo National Park / Peace Parks Foundation).

October 2004 to January 2005 Facim Commercial Development, Maputo, Mozambique Project Leader

Environmental opinion and detailed EMP for the Facim Commercial Development that includes an exhibition area, conference facilities, shopping centre and office space in downtown Maputo and potentially presents the single largest private real estate investment in Mozambique. Involved for 0.5 person-months. (HLM Financial Enterprises CC).

January 2002 to February 2003

Environmental Impact Assessment (EIA) and Review of Engineering Design for the Mavoco Hazardous Waste Disposal Facility, Beluluane, Mozambique Environmental Engineer

Environmental Impact Assessment (EIA), Social Impact Assessment, and Environmental Management Plans (EMPs) for construction, operation and rehabilitation phases and review of



engineering design of the Mavoco Hazardous Waste Landfill site and access road near Mozal. Involved for 2 person-months. (Ministerio para a Coordenacao a Accao Impacto Ambiental (Micoa)).

COUNTRIES OF WORK EXPERIENCE:

South Africa, Mozambique, Lesotho, Malawi, Nigeria, Angola, Namibia, Swaziland, Malaysia, Ethiopia, Ghana, United Arab Emirates, Zambia, Uganda, Rwanda, Burundi, South Sudan and the Democratic Republic of the Congo.

CAREER ENHANCING COURSES:

2013 SUSOP mechanism for delivering sustainable development projects level 1 • training, SUSOP (Pty) Ltd and University of Queensland 2011 : Investment in African Mining International Conference 2011 (Mining Indaba) Cape Town, International Investment Conferences 2010 Basic MsProjects Course, Aurecon 2 BST Financial Management Course, Aurecon 2009 2009 International Association of Impact Assessment South African National Conference : 2009 Wilderness, International Association of Impact Assessment South Africa (IAIAsa) Life-Long Learning Solutions CPD DVD Series 2009, South African Association of 2009 : Consulting Engineers (SAACE) 2008 ProMan Financial Management Course, Ninham Shand Cape Town : WasteCon2008, the 19th Waste Management Conference & Exhibition, Durban, 2008 1 Institute of Waste Management of Southern Africa (IWMSA) 2008 Life-Long Learning Solutions CPD DVD Series 2008, South African Association of 2 Consulting Engineers (SAACE) Life-Long Learning Solutions CPD DVD Series 2007, South African Association of 2007 : Consulting Engineers (SAACE) Handling Projects in a Consulting Engineer's Practice, South African Institution of 2007 2 Civil Engineering (SAICE) Business Finances for Built-Environment Professionals, South African Institution of 2006 : Civil Engineering (SAICE) Environmental Law Update, North-West University, South Africa 2006 :

PAPERS AND PUBLICATIONS:

The Application of the Ideal Mode Analytical Hierarchy Process Multicriteria Decision Making Model in Strategic Project Planning and Environmental Impact Assessments: Mellerson Pillay, Andries van der Merwe and Ashwin West - Paper presented at the International Association of Impact Assessment South African National Conference of 2009 held in Wilderness.

The application of Multicriteria Decision Making in the Early Stages of Environmental Impact Assessment and Technical Project Development Planning for a Large Mine Expansion Project.

Andries van der Merwe WB Mining Updated March 2013



Rainer Schneeweiss and Andries van der Merwe - Paper presented at the International Association of Impact Assessment South African National Conference of 2009 held in Wilderness.

EMPLOYMENT RECORD:

- 2012 date Technical Director, Aurecon, Cape Town & George, South Africa
- 2009 2011 Associate, Aurecon, George, South Africa
- 2008 2009 Associate, Ninham Shand, George, South Africa
- 2006 2007 Associate, Ninham Shand, Centurion, South Africa
- 2004 2006 Associate, Africon, Pretoria, South Africa
- 1999 2004 Environmental Engineer and Auditor, Africon, Pretoria, South Africa
- 1998 1999 Resident Engineer, Africon, Pretoria, South Africa
- 1996 1998 Design Engineer, Africon, Pretoria, South Africa

LANGUAGES:

	Speaking	Reading	Writing
English	Excellent	Excellent	Excellent
Afrikaans	Excellent	Excellent	Excellent

AWARDS:

Merit Award for Excellence in Landscape Architecture in the category for ecological planning for the Centurion Environmental Management Framework (EMF) project completed in 2001 received from the Institute of Landscape Architects of South Africa (ILASA) in 2003.

CERTIFICATION:

I, the undersigned, certify that to the best of my knowledge and belief, these data correctly describe my qualifications, my experience, and me. I also certify that I have given permission for my CV to be included in the proposal.

03/03/2013

(Day / Month / Year)

(Signature of staff member and authorised representative of the firm)

Full name of staff member:

ANDRIES VAN DER MERWE

Date:

Full name of authorised representative: