

CURRICULUM VITAE



MAGNUS VAN ROOYEN

NAME OF FIRM : *TERRATEST (PTY) LTD*

NAME OF PERSON : *MAGNUS VAN ROOYEN*

NATIONALITY : *SOUTH AFRICAN*

DATE OF BIRTH : *1976-09-04*

PROFESSION : *ENVIRONMENTAL SCIENTIST*

POSITION IN FIRM : *SENIOR ENVIRONMENTAL SCIENTIST*

QUALIFICATION : *BSc, BSc (Hons), MPhil. (Environmental Management)*

SPECIALISATION IN FIRM : *ENVIRONMENTAL IMPACT ASSESSMENTS, SCOPING REPORTS, PRELIMINARY ENVIRONMENTAL ASSESSMENT, MINING RIGHT AND PERMIT APPLICATIONS, ENVIRONMENTAL CONTROL OFFICER DUTIES; ENVIRONMENTAL MANAGEMENT PROGRAMMES, STRATEGIC ENVIRONMENTAL ASSESSMENTS, WILDLIFE MANAGEMENT PLANS, ENVIRONMENTAL EDUCATION PROGRAMS AND AGRICULTURAL DEVELOPMENT PLANS.*

YEARS OF EXPERIENCE : *6*

YEARS WITH FIRM : *5*

SUMMARY OF EXPERIENCE

Mr van Rooyen is a Senior Environmental Scientist with Terratest. He has experience of the various aspects of protected and conservation area management gain by volunteering in the Kruger National Park as a member of the game capturing team, involvement with the setting up of the management plan for the Ndumu Game Reserve and the relocation game to various nature reserves and National Parks in South Africa.

His background includes environmental assessment and management in a variety of environments including coastal and inland regions of KwaZulu Natal, the Western Cape as well as in Mpumalanga and the Northern Cape. He has experience in working in developing countries such as Zimbabwe and Mozambique.

Mr van Rooyen has experience in the fields of Environmental Impact Assessment, Public Participation, Environmental Management, Wildlife Management, Scoping Reports, Mining Right and Permit Applications and Environmental and Biodiversity studies.

SOCIETY MEMBERSHIP

IAIAsa International Association of Impact Assessors South Africa (Membership No. 1839)

EDUCATION

- 1994 : **Matric** – P.J. Olivier High School, Grahamstown
 1997 : **BSc** (Botany and Zoology) – Stellenbosch University
 1998 : **Special student in Agricultural Sciences** – Stellenbosch University
 2000 : **Honours (Botany) cum laude** – Stellenbosch University
 2001 : **Postgraduate Diploma in Teaching** – Stellenbosch University
 2004 : **MPhil** (Environmental Management) – Stellenbosch University

APPOINTMENTS

- 2000** : Farm Manager, Gene's Citrus Ranch, Bradenton, Florida, USA
2001 – 2002 : Biology Teacher, Paul Roos Gymnasium, Stellenbosch
2002 – 2005 : Junior Lecturer, Department of Botany and Zoology, University of Stellenbosch.
2002 – 2004 : Biodiversity Researcher and Project Leader for the Department of Conservation Ecology, University of Stellenbosch.
 ▪ *Intestinal parasite assemblages in the gut of horses (Dr Sonja Matthee / Prof Melodie McGeoch)*
 ▪ *Linkages between the intestinal parasites in rodents that occur in clumps of Renosterveld (Dr Sonja Matthee/ Prof Melodie McGeoch)*
2006 - Date : Environmental Scientist, Terratest (Pty) Ltd, Pietermaritzburg, South Africa

SPECIFIC EXPERIENCE

Infrastructural Developments

- Escourt Mobile Unit (Escourt KZN) – Environmental Impact Assessment – *Ilanga Asphalt*
- Glencoe Bitumen Storage (Glencoe KZN) – Environmental Impact Assessment – *Ilanga Asphalt*
- Obonjaneni Rural Pipeline (Wartburg KZN) – Environmental Impact Assessment – *uThukela Water*
- N3/Greytown Road interchange (Pietermaritzburg KZN) – Environmental Impact Assessment – *South African National Road Agency Limited(SANRAL)/Iliso Consulting*
- Shishalanga Bitumen Production Plant (Shakaskraal KZN) – Environmental Impact Assessment – *Shishalanga Construction*
- Baynes Stream Canalisation (Pietermaritzburg KZN) – Environmental Impact Assessment - *Msunduzi Local Municipality*
- Ufafa Access Road (Ixopo KZN) – Environmental Impact Assessment – *NMA Consulting*
- MaboJane Access Road (Greytown KZN) – Environmental Impact Assessment - *KV3 Consulting Engineers*
- Dredging of Camp's Drift (Pietermaritzburg KZN) – Environmental Impact Assessment – *Msunduzi Local Municipality*
- Bubu Access Road (Kranskop KZN) – Environmental Impact Assessment – *KV3 Consulting Engineers*
- P240 Access Road Low Level Stream Crossing (Mtunizini KZN) – Environmental Impact Assessment – *BCP Engineers*
- Umkomaas River Bridge (Himeville KZN)– Environmental Impact Assessment – *Naidu Consulting*
- R30 Glen Lyon to Brandfort (Brandfort Freestate) – Environmental Impact Assessment – *Africon Engineering International*
- R30 Beatrix Mine to Virginia (Virginia Freestate) – Environmental Impact Assessment – *Kwezi V3 Engineers*
- Ongeluksnek Tourism Development (Matatiele Eastern Cape) – Environmental Impact Assessment – *Environmental and Rural Solutions*
- Maluti to Qachas Nek road upgrade (Matatiele Eastern Cape) – Environmental Impact Assessment – *HHO Africa Consulting Engineers*

- KwaZulu-Natal Parliamentary Precinct (Pietermaritzburg KZN) – Environmental Impact Assessment – KwaZulu-Natal *Department of Public Works*
- Mpofana Bulk Water Supply Scheme (Mpofana and uMngeni District Municipalities KZN) – Environmental Impact Assessment – *uMngeni Water*
- Nacala Dam Upgrade (Nacala Province Mozambique) – Environmental Impact Assessment – *Millennium Challenge Corporation Mozambique*

Residential Developments

- Boulder Hills Housing Development (Ashburton KZN) – Environmental Impact Assessment - *Isibuko Se Africa*
- Mkuze Housing Development (Mkuze KZN) – Environmental Impact Assessment – *Senekal Boerdery*
- Craigieburn Housing Development (Moorivier KZN) – Environmental Impact Assessment – *Dean Chapman and Associates*
- Mkondeni Housing Development (Ashburton KZN) – Environmental Impact Assessment – *Solvista Investments (Pty) Ltd*
- Lincoln Meade Housing Development (Pietermaritzburg KZN) – Environmental Impact Assessment – *Msunduzi Local Municipality*
- Burnfelsia Basic Assessment Report (New Hanover KZN) – Environmental Impact Assessment - *New Hanover Evangelical Lutheran Church*
- Paradise Lodge Housing Development (Jozini KZN) – Environmental Impact Assessment – *Gert Scheepers*
- Tiger Lodge Housing Development (Jozini KZN) – Environmental Impact Assessment – *Tiger Lodge Developments*

Mining Sector

- Magma Trading CC (Umzumbe KZN) – Environmental Assessment for Mining Right Application – *Magma Trading CC*
- Granite Mine Inanda Valley (Inanda Valley KZN) – Environmental Assessment for Mining Right Application – *The Invincible Panther Cooperation*
- Desert Star Sand winning (Kokstad KZN) – Environmental Assessment for Mining Right Application – *Desert Star Trading*
- Mtubatuba Borrow Pit (Mtubatuba KZN) – Environmental Assessment for Mining Right Application – *South African National Roads Agency Limited (SANRAL)*
- KuluCrete Mining Right (Port Shepstone KZN) – Environmental Assessment for Mining Right Application – *KuluCrete South Coast*
- Ideal Brick (Pty) Ltd Mining Right (Verulam KZN) – Environmental Assessment for Mining Right Application – *Ideal Brick (Pty) Ltd*
- Talan (Pty) Ltd Mining Right (Umhlali KZN) – Environmental Assessment for Mining Right Application – *Talan (Pty) Ltd*
- Thubelihle Coal Mining (Glencoe KZN) – Environmental Assessment for Mining Right Application – *Thubelihle Mining*
- Obanjeni Quarries (Mtunzini KZN) – Environmental Assessment for Mining Right Application – *Amasundu Trust*
- Burnside Dump Reclamation (Dundee KZN) – Mining Authorisation - *Burnside Estates CC*
- Mbizana Borrow Pits (Mbizana Eastern Cape) – Environmental Assessment for Mining Permit Application - *Eastern Cape Department of Transport*
- Invincible Panther Sand winning (Inanda Valley KZN) – Environmental Assessment for Environmental Assessment for Mining Permit Application – *The Invincible Panther Cooperative*
- Table Mountain Sand winning (Table Mountain KZN) – Environmental Assessment for Environmental Assessment for Mining Permit Application – *VICO Properties and Investments*
- Empangeni Borrow Pit (Empangeni KZN)– Environmental Assessment for Mining Permit Application – *KZN Department of Transport*
- Umzumbe Mining (Umzinto KZN) – Environmental Assessment for Mining Permit Application – *Social responsibility project for the Department of Minerals and Energy*

- Ifafa River Sand winning (Ifafa River KZN) – Environmental Assessment for Mining Permit Application – *Jan Bronkhorst*
- KwaDabeka Sand Winning (Umgeni Valley KZN) – Environmental Assessment for Mining Permit Application – *SML Transport Services*
- Gamelihle Sand and Pebbles (Inanda Valley KZN) – Environmental Assessment for Mining Permit Application – *Gamelihle Sand and Pebble Suppliers*
- Umtamvuna Borrow Pits and Quarries (Redoubt Eastern Cape) – Environmental Assessment for Mining Right Application – *Eastern Cape Department of Transport*
- Sani Pass Road upgrade Borrow Pits and Quarries (Underberg/Himeville KZN) – Environmental Assessment for Mining Right Application – *ACER Environmental*
- KwaGuza Quarry (Taylor’s Halt KZN) – Environmental Assessment for Mining Right Application – *Midmar Crushers*
- Sivukile Sand Mining (Ngonyameni KZN) – Environmental Management Plan – *Sivukile Technologies (Pty) Ltd*
- Bizana Borrow Pits (Bizana Eastern Cape) – Environmental Management Plans for Mining Permit Applications – *BKS Consulting Engineers*
- Tillite Quarry (Bizana Eastern Cape) – Environment Assessment for Mining Right Application – *Vela VKE Consulting Engineers*
- Uithoek Open Cast Coal Mine (Glencoe KZN) – Environmental Impact Assessment for Mining Right Application – *Miranda Mineral Holdings Limited*
- Dundee Quarry – Update of Environmental Management Program Report – *Afrimat Quarries*
- Qwa Qwa Quarry – Update of Environmental Management Program Report – *Afrimat Quarries*
- Harrismith Quarry – Update of Environmental Management Program Report – *Afrimat Quarries*
- uMfolozi Quarry – Update of Environmental Management Program Report – *Afrimat Quarries*
- Vryheid Quarry – Update of Environmental Management Program Report – *Afrimat Quarries*
- Scottburgh Quarry – Update of Environmental Management Program Report – *Afrimat Quarries*

Biodiversity Assessments

- Upington Vehicle Testing Facility (Upington Northern Cape) – Preliminary Environmental Assessment and site identification - *Gerotek Testing Facilities*
- Hluhluwe Waste Site Identification (Hluhluwe KZN) – Feasibility Study for waste sites – *The Big 5 Local Municipality*
- Lincoln Meade Biodiversity Survey (Pietermaritzburg KZN) – Biodiversity Assessment – *Group5/Sirius Investments*
- Swayimane Rural Housing Project (Inanda Valley KZN) – Preliminary Environmental Assessment – *iNkonjane Development (Pty) Ltd*
- Inanda Valley Road Upgrade (Inanda Valley KZN) – Environmental Management Plan – *KZN Department of Roads*
- PWV3 and R512 Road Construction and Upgrade (Magaliesberge Gauteng/NW) – Biodiversity Assessment - *Jeffares & Green Consulting Engineers*
- H14 Rand Water Pipeline (Pretoria Gauteng) – Biodiversity Assessment – *Jeffares & Green Consulting Engineers*
- Eshane Rural Water Supply Scheme (Kranskop KZN) – Biodiversity Assessment – *MNA Consulting Engineers*
- Qudeni Link Road (Tugela Ferry KZN) – Vegetation Assessment – *SSI Consulting Engineers*
- Nacala Dam (Nacala Mozambique) – Ecological Reserve Determination Study – *Jeffares and Green International*

Environmental Management Plans

- Ndumo Game Reserve (Ingwavuma KZN) – Integrated Management Plan – *KZN Wildlife*
- Corobrik Review and Update of EMPR (Durban North KZN) – Review and Update of existing EMPR for the Rinaldo Road Quarry – *COROBRIK (Pty) Ltd*
- Mkuze Housing Development (Mkuze KZN) – Environmental Management Plan for the Construction Phase – *Senekal Boerdery*

- Shishalanga Asphalt Plant (Shakaskraal KZN) – Environmental Management Plan for the Implementation and Operational Phases – Shishalanga Construction
- Mtubathuba/Nongoma Road Interchange (Mtubathuba KZN) – Environmental Control Officer – SANRAL

Environmental Monitoring

- uMtamvuna Road upgrade (Bizana KZN) – Environmental Monitoring – Bigen Africa Consulting Engineers
- Dredging of Camps Drift (Pietermaritzburg KZN) – Environmental Monitoring – Msunduzi District Municipality
- Eskom Technical Service Centre (Matatiele Eastern Cape) – Environmental Monitoring – Eskom Plc
- Greenville Hospital Road upgrade (Redoudt Eastern Cape) – Environmental Monitoring – Aurecon
- R30 Beatrix Mine to Virginia (Virginia Free State) – Environmental Monitoring – Kwezi V3 Consulting Engineers
- R30 Glen Lyon interchange to Brandfort (Brandfort Free State) – Environmental Monitoring - Aurecon

LANGUAGES

Afrikaans	:	Excellent
English	:	Excellent
German	;	Intermediate
Zulu	:	Communication

GRANT VON MAYER

NAME OF FIRM : *TERRATEST (Pty) Ltd*

NAME OF PERSON : *GRANT VON MAYER*

NATIONALITY : *SOUTH AFRICAN*

DATE OF BIRTH : *1974/07/22*

PROFESSION : *ENVIRONMENTAL CONSULTANT*

POSITION IN FIRM : *SENIOR SCIENTIST*

QUALIFICATION : *BSC CHEMISTRY & APPLIED CHEMISTRY*

SPECIALISATION IN : *CONTAMINATED LAND MANAGEMENT, WATER QUALITY ASSESSMENT, ENVIRONMENTAL AND DUE DILIGENCE AUDITING*

YEARS OF EXPERIENCE : *13*

KEY QUALIFICATIONS

Grant has thirteen years work experience in South Africa, United Kingdom and the Ukraine, with eight years experience in the environmental consultancy field. He has undertaken wide-ranging work in the mining, pulp and paper industry, the chemical sector and commercial and industrial environments. His work has involved management of teams, requiring working relationships with international and national authorities, clients and stakeholders in the private sector.

Technically, Grant has focussed on contaminated land solutions and environmental monitoring. The contaminated land projects include the development, planning, implementation contaminated land site investigations, remediation, risk assessment, geo-environmental ground investigations and associated environmental monitoring undertaken for the purpose of environmental due diligence, investigation of pollution incidents and the design of development schemes.

Environmental services have served the industrial and mining sectors. Experience includes the conducting of environmental impacts assessments, environmental authorisations, water use licenses, public participation exercises, environmental compliance, auditing, waste management systems, Duty of Care compliance audits, Phase I environmental audits and ISO14001 environmental management systems.

Grant has been a leading figure in the success and development of the Johannesburg office of WSP. Duties have included business development, strategic development on a local and national scale, project management and budget development and maintenance. Financial responsibilities for projects and client accounts are handled by Grant with the support of the financial team.

SOCIETY MEMBERSHIP

WISA Water Institute of Southern Africa
IWMSA Member of the Institute for Waste Management South Africa

EDUCATION

1992 : **Matric** – Pietermaritzburg College, Pietermaritzburg
1997 : **BSc** (Chemistry & Applied Chemistry) – University of Natal, Pietermaritzburg

SHORT COURSES

2003 : Land Quality Management (LQM) course in contaminated land, site investigation techniques and site characterisation - University of Nottingham.
2002 : Chartered Institute of Waste Management (CIWM) course in contaminated land risk assessment including UK government guidance and legislation.
2002 : Environmental auditing - Institute of Environmental Management and Assessment (IEMA) accredited course WSP Environmental UK

SPECIFIC EXPERIENCE

Waste Management

- Anglo Platinum: Development of waste management system comprising a waste review and the development of Waste Strategy for the Precious Metals Smelter Complex, Polokwane – environmental consultant team member.
- uMgungundlovu District Municipality: site selection of district landfill facility using negative mapping and groundtruthing – project manager
- Recyclers of Oil South African Foundation (ROSE): Compliance auditing of six used oil processing plants (2007-2010) – lead assessor

Contaminated Land Studies

- Sasol Oil Ltd: Intrusive site investigation, site characterization, risk assessment of portfolio of sites across Kwa-zulu Natal, Gauteng, Mpumalanga and Limpopo – project director
- Sasol Solvents Ltd: Intrusive investigation, risk assessment, verification and remediation of 160 underground storage tanks – regional project manager
- Anglo Platinum: Environmental performance assessment of the excavation, treatment and disposal of contaminated soils during the Rustenburg Base Metals Refinery expansion Phase IV – project manager
- Highveld Steel and Vanadium (Pty) Ltd: Investigation into characterization of gas works tar sludge dam, Witbank – project manager and lead consultant
- Airports Company South Africa Ltd: contamination assessment, contamination modeling, development surface and groundwater monitoring network establishment, monitoring, risk assessment and management plan following Jet fuel spill – developed monitoring network, procedures, management plan and conducted the environmental control officer.

Secondsite Property Holdings Ltd – Phase II intrusive investigations and risk assessments on former British Gasworks sites, Stony Stratford and Clackton-on-Sea, UK – field engineer and assessor

Environmental Impact Assessments

- Senmin (Pty) Ltd: Environmental impact assessment for the construction of a carbon disulfide plant in Sasolburg - EAP and project manager
- Senmin (Pty) Ltd: Basic assessment for the decommissioning of former reactor and construction new xanthate plant, Sasolburg - EAP and project manager
- Akulu Marchon (Pty) Ltd: Environmental impact assessment for the decommissioning, relocation and construction of sulphonation plant from Wynberg, Sandton to Chloorkop, Ekurhuleni – EAP and project manager

- Reclamation Chemicals (Pty) Ltd: Process review focusing on impact of emissions and subsequent DEAT authority consultation, Rustenburg – project manager and technical consultant
- Sasol Solvents Ltd: Site Investigations and environmental management plan development of underground storage tanks for suite of sites to facilitate NEMA 24G process – project manager, field investigations, site assessment and risk assessment

Risk Assessments

- Fuchs Lubricants (Pty) Ltd: Quantitative risk assessment posed by subsurface volatile organic compounds using RISC4 software - developed the risk assessment model – risk assessor
- Confidential Fuel retailer: Quantitative risk assessment of LNAPL plume from leaking underground storage tank using RISC4, Durban – risk assessor

Surface and Groundwater Studies

- Infrachem Ltd, Sasol (Pty) Ltd: Groundwater monitoring for the Sasol petrochemical industrial complex, Sasolburg – Project Director
- BMW SA (Pty) Ltd: Establishment of groundwater network and groundwater monitoring for industrial facility - consultant

Environmental Auditing and Due Diligence

- National Oil Recyclers Association of South Africa: Compliance auditing and management plan development of oil collectors (2008-2009) – project manager
- Aureos SA (Pty) Ltd: Pre-acquisition due diligence assessment of Southey Group of industrial holdings – project manager and lead assessor
- Scaw Metals, AngloAmerican: Pre-Acquisition Due Diligence of 5 Anglo American sites using Equator Principles – project manager and lead assessor
- Macquarie Bank, Australia: Technical and Environmental Due Diligence Assessment for the purchase of warehouse and distribution property - assessor
- Federal Mogul: A pre-divestment due diligence, site characterization, delineation, risk assessment and remediation of chlorinated hydrocarbon contaminated soil and groundwater at the Federal Mogul aluminium foundry, Roodepoort – site investigation, risk assessment and remediation.
- Anglo Platinum Rustenburg Platinum Mines: Environmental management program performance assessment report for the Amandelbult mine – compliance auditor
- SCAW Metals AngloAmerican: Compliance Audit of Landfill Facility (2004-2005), Alberton – lead auditor and project manager
- Airports Company South Africa: Environmental and OHS Performance audit of the ACSA bulk fuel installation at Johannesburg International Airport. The audit included ACSA procedures, standards and objectives, industry standards and legal requirements, Kempton Park – Lead auditor and project manager
- Investchem (Pty) Ltd: Compliance Audit of Sulphonation Plant, Kempton Par (2004 – 2005) k – lead auditor and project manager
- QinetiQ Malvern & Pershore: Decommissioning Royal Air Force aviation fuel tank decommissioning at former RAF airfield, UK – site engineer
- Norwich Union – Environmental Phase I audit Norwich Union buildings - auditor.
- Project ISIS – Environmental Phase I audit of a portfolio of 156 sites - auditor
- Knighton Heath Industrial Estate: Phase I due diligence assessment for the prospective tenant, UK – due diligence assessor
- British Telecom: Due diligence assessment of the portfolio of telephone exchanges managed by BT, UK – due diligence assessor

LANGUAGES

English : *Very Good*
Afrikaans : *Fair*

CURRICULUM VITAE



WARREN HALE

NAME OF FIRM : *TERRATEST (PTY) LTD*

NAME OF PERSON : *Warren David Hale*

NATIONALITY : *South African*

DATE OF BIRTH : *1985/01/08*

PROFESSION : *Environmental Scientist*

POSITION IN FIRM : *Environmental Scientist*

QUALIFICATION : *BSc Honours (Environmental Science)*

SPECIALISATION IN FIRM : *Environmental Impact Assessments, Scoping Reports, Environmental Management Programmes, Geographic Information Systems*

YEARS OF EXPERIENCE : *5*

YEARS WITH FIRM : *1*

SUMMARY OF EXPERIENCE

Warren Hale has five years experience in the field of Environmental Management. He has gained extensive experience in Environmental Assessment having coordinated Basic and Full Environmental Impact Assessments (EIA) and managed teams of specialists. He has been incorporated into project teams for diverse EIAs where he has contributed in the technical and public participation processes.

In the field, Warren has successfully planned and orchestrated public meetings and open days. He has also undertaken numerous wetland delineations within the Province of KwaZulu-Natal. Work has taken him beyond the borders of South Africa into developing nations, including Botswana and Swaziland.

In terms of report writing, Warren has compiled high-level Screening Reports, Scoping Reports, Basic Assessment Reports, Environmental Impact Reports and Environmental Management Plans. He also has specialist report writing experience (Wetland Delineation, Traffic Impact Assessment and Waste Impact Assessment).

He has been involved in projects in the Climate Change and the Water Licensing Fields, and, as a result, has been exposed to various modeling and data management techniques. Warren has acquired significant knowledge in the field of Geographic Information Systems (GIS).

Warren joined Terratest (Pty) Ltd in 2010 as an Environmental Scientist.

EDUCATION

- 2006 **BSc (Hons) (Environmental Science)** – University of KwaZulu-Natal (Howard College Campus)
- 2005 **BSc (Biological Science)** – University of KwaZulu-Natal (Howard College Campus)
- 2002 **Matric** – St Henry's, Marist Brothers College, Durban

PROFESSIONAL AFFILIATIONS

Registered Member of the South African Chapter of the International Association for Impact Assessment (IAIAsa – Membership ID: 2194)

PROJECT EXPERIENCE

Compulsory Water Licensing in the Mhlatuze Catchment, Department of Water Affairs, Northern KwaZulu-Natal, South Africa

The Mhlatuze Catchment is water-stressed and is considered to be a catchment requiring water allocation reform. As such, the Department of Water Affairs called all water users within the catchment, undertaking water uses in terms of Section 21 a, b and d of the National Water Act (Act 36 of 1998), to compulsory licensing. Water allocation schedules for existing and new users were prepared. Specialized hydrological modelling informed the production of the schedules.

BA for the Ebony Drive Rezoning Application, Private Client KwaZulu Natal, South Africa

The proponent sought to rezone a recently acquired parcel of land from Public Open Space to Special Residential. This triggered a Listed Activity under the EIA Regulations (R. 543 and R. 544 of June 2010), requiring a Basic Environmental Assessment.

EIA for the proposed Mpofana Bulk Water Supply Scheme, Umgeni Water KwaZulu-Natal Midlands, South Africa

Umgeni Water intended to construct pipeline infrastructure to distribute water in bulk from the water treatment works below the proposed Spring Grove Dam to reservoirs at key nodes throughout the region. Public Participation was a major focus in the EIA.

EMP for the proposed Rega Place Access Road, eThekweni Metropolitan Municipality KwaZulu-Natal, South Africa

An Environmental Management Plan (EMP) was prepared to control the construction of the proposed access road from an environmental perspective.

BA for the proposed Mandeni Cemetery, Mandeni Local Municipality KwaZulu-Natal, South Africa

The Mandeni Local Municipality sought to meet the critical need for additional burial sites within its municipal boundaries thereby preventing the proliferation of unauthorized burial sites and fulfilling its constitutional mandate to provide basic services.

EIA for proposed New Multi-Product Pipeline (NMPP) Project, Transnet Pipelines KwaZulu-Natal and Gauteng, South Africa

In response to the expected national fuel shortage, Transnet Pipelines proposed to build a fuel pipeline to transport various fuel products to the interior of the country (Durban to Heidelberg).

**EIA for proposed Ilmenite Smelter at Beluluane Industrial Park, Corridor Sands Ltd
Maputo, Mozambique**

Corridor Sands Limited proposed to develop an ilmenite smelter in Matola west of Maputo.

**EIAs for Upgrade of Bayhead Road and Construction of a Link Road
KwaZulu-Natal, South Africa**

With the intent to lower the traffic volumes on the Port of Durban's roads and to ensure the effective functioning of the port road and transport system, Transnet Limited proposed to upgrade Bayhead Road as a phased development. The traffic was only likely to become more congested as the needs of the port users and the economy increased. To solve this growing problem, Transnet Limited undertook to upgrade and expand key roads providing access to and from the port.

**EIA for Vopak Terminals Durban Efficiency Project
KwaZulu-Natal, South Africa**

Vopak desired to restructure the infrastructure at its four sites within the Cutler Complex, Island View, to align the operations with changing market demands, to increase storage capacity for commodities and to operate more efficiently.

**Urban Integrated Assessment Framework for Climate Change, eThekweni Municipality
KwaZulu-Natal, South Africa**

As part of the broader climate change project, the future distribution of the vegetation types within the eThekweni Metropolitan Municipality was modelled under various climate scenarios. This provided useful information from a climate change planning and a biodiversity planning perspective.

**Environmental Monitoring at Jwaneng Diamond Mine, De Beers Group
Kweneng Province, Botswana**

Passive monitoring of hydrogen fluoride emission levels was undertaken at various distances from the processing facility in Jwaneng Diamond Mine. This long-term study included Vegetation Assessments.

LANGUAGES

English : *Excellent*

Afrikaans: *Fair*