



BOHLWEKI ENVIRONMENTAL (PTY) LTD

Integrated Environmental Management Services

Company Profile

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STATEMENT OF EXPERIENCE

Bohlweki Environmental (Pty) Ltd is a 51% black-owned BEE Environmental consulting company. A wide range of environmental consulting services are provided, including Environmental Impact Assessments, Public Participation, Environmental Auditing, and the development and implementation of Environmental Management Systems, Environmental Management Plans and Waste Management Strategies.

Bohlweki Environmental have provided expertise and undertaken projects for both public- and private-sector organisations, and have covered a wide range of environmental management needs through the use of appropriate environmental management tools. The wide range of environmental management experience enables Bohlweki Environmental to provide key input into small and large development initiatives.

The qualified professional team of Bohlweki Environmental has considerable experience in the environmental management and assessment fields. Bohlweki Environmental has been involved in and/or managed several of the largest Environmental Impact Assessments undertaken in South Africa to date. A specialist area of focus is on assessment of multi-faceted projects, including the establishment of linear developments (national and provincial roads, and powerlines), bulk infrastructure and supply (e.g. wastewater treatment works, pipelines, landfills), electricity generation and transmission, the mining industry, urban, rural and township developments, environmental aspects of Local Integrated Development Plans (LIDPs), as well as general environmental planning, development and management.

Bohlweki Environmental provides a comprehensive integrated environmental management service, from environmental assessments, to feasibility studies, environmental planning, environmental management, rehabilitation, auditing, training and public involvement processes. The projects cited below provides an overall view of the breadth of practical experience and lists a selection of recent projects:

- *Prime Resources (Pty) Ltd.* Kraalhoek Limestone quarry air quality impact assessment conducted for EIA Purposes.
- *EcoRisk SA.* Mittal Steel Vanderbijlpark Steel Electric Arc Furnace secondary dust extraction system. An air quality impact assessment conducted for EIA purposes.
- *Jones and Wagner.* Remediation of the Mittal Steel Vereeniging Steel Klipriver waste disposal site. An air quality impact assessment conducted for EIA purposes.

- *Property developers M&T Development and South Net Projects*. Buffer Zone Delineation around the ERWAT Olifantsfontein sewage works for the purpose of assessing the applicability of developing the Strawberry Farm and Clayville Residential development.
- *West Rand District Municipality (WRDM)* – State of the Environment Reports and Environmental Management Frameworks for the West Rand District Municipality as well as those of four Local Municipalities within the WRDM.
- *Rand Water* - Environmental Impact Assessment for the proposed 80 km bulk water supply pipeline from Brakfontein Reservoir to the Barnardsveli Reservoir, Gauteng and North West Provinces.
- *Gardener Ross Golf and Country Estate (Pty) Ltd* - Environmental Scoping Study for the proposed Gardener Ross Golf and Country Estate in Centurion, Gauteng Province.
- *Eskom Transmission* - Environmental Impact Assessment for the proposed 765kV Transmission Powerline between Hydra Substation (near De Aar) and the Proposed Gamma Substation (near Victoria West), Northern Cape Province.
- *Eskom Technology Services International* - Mining license application and EMPR for the Majuba Power Station underground coal gasification site, Mpumalanga Province.
- *Holcim South Africa* - Environmental Impact Assessment for the proposed Alternative Fuels and Resources Project at the cement plant in Dudfield, North West Province
- *Holcim South Africa and EnviroServ Waste Management* - Environmental Impact Assessment for the establishment of a Waste Blending Platform for use as an alternative fuels resource within the Gauteng Province.
- *Eskom Generation* - Detailed Environmental Scoping Study for the proposed Capacity Increase Project at Arnot Power Station, Mpumalanga Province
- *South African National Roads Agency Limited and Wild Coast Consortium* - Environmental Impact Assessment and Environmental Management Plan for the N2 Wild Coast Toll Road between East London (Eastern Cape) and Durban (KwaZulu-Natal)
- *Eskom Transmission* - Environmental Impact Assessment for the proposed new 400 kV Transmission line between Matimba substation and Witkop substation, Limpopo (Northern) Province
- *Gauteng Department of Public Transport, Roads and Works* - Environmental Impact Assessment for the Gautrain Rapid Rail Link Project
- *Eskom Technology Services* - Environmental Study for the proposed Solar Thermal Power Plant, in the Northern Cape Province
- *Eskom Transmission* - Environmental Impact Assessment for the proposed 2nd and 3rd 400 kV Transmission lines between the Poseidon and Grassridge Substations, and the proposed new nine 132 kV powerlines between the Grassridge Substation and the Coega Industrial Development Zone, Eastern Cape Province
- *Coega Development Corporation* - Environmental Impact Assessment for a new Regional, General and Hazardous Landfill in the Eastern Cape
- *De Beers Consolidated Mines Limited* - Environmental Impact Assessment, Environmental Management Plan and Environmental Management Programme Report for the C-Cut development at Premier Mine
- *Bakwena Platinum Corridor Consortium* - Environmental Impact Assessment and Environmental Management Plan for the Platinum Highway Project

- *Sun International* - Victoria Falls Hotel Development – Zambia. Specialist Study Infrastructure: Water Supply and Liquid Waste
- *Durban Water Recycling (Pty) Ltd and OTV France* - Environmental Scoping Report for the Construction of a Water Reclamation Plant at the Southern Wastewater Treatment Works, Durban
- *Greater Johannesburg Metropolitan Council* - Environmental aspects of Johannesburg's Local Integrated Development Plans (LIDPs)
- *Eastern Gauteng Services Council* - Land Development Objectives for the Environment for the Suikerbosrand and Walkerville/De Dear/Randvaal Rural Areas
- *Greater Johannesburg Metropolitan Council* - Detailed Environmental Impact Study of the Goudkoppies Wastewater Treatment Works and the Goudkoppies Landfill Site

KEY SERVICES PROVIDED

Bohlweki Environmental (Pty) Ltd is a predominantly black-owned (51%) specialist consulting company, providing a comprehensive integrated environmental management service. Since 1995, Bohlweki Environmental has provided expertise and undertaken a wide variety of projects for both public- and private-sector organisations. This range of environmental management experience enables Bohlweki Environmental to provide key input into small and large development initiatives. Bohlweki Environmental has experience in undertaking a broad range of projects, ranging from those of a strategic nature to site-specific projects, including the obtaining of all relevant environmental permits and authorisations.

Bohlweki Environmental is based in Kyalami, Gauteng, but through one of its shareholders (Stewart Scott (Pty) Ltd) has representative offices throughout South and Southern Africa.

Current environmental legislation and increasing public awareness regarding environmental issues greatly influences the actions and decisions made by both public- and private-sector organisations, as it affects the relationship between Man and the environment. The essence of any environmental process is aimed at ensuring environmental accountability, and to assist in achieving environmentally sound and sustainable development. Our understanding of the need to integrate development and the needs of the environment ensures that environmental management solutions offered by Bohlweki Environmental are appropriate to the nature of the projects, offer minimised environmental impact, and practical and achievable mitigation measures.

Bohlweki Environmental provides a comprehensive integrated environmental management service, from environmental assessments, to feasibility studies, environmental planning, environmental management, rehabilitation, waste management, auditing, training and public involvement processes.

The Professional Team of Bohlweki Environmental has considerable experience in the environmental assessment and management fields. Strategic alliances with leading experts in other environmental-related disciplines strengthens the team, when required, and has provided the team with valuable knowledge and experience on a wide range of activities. Bohlweki Environmental offers specialist environmental input and services in the following areas:

Project management and lead environmental consulting

Bohlweki Environmental has undertaken the lead environmental consulting role for many large projects, which have involved the management of multi-disciplinary studies and the undertaking of extensive public and authority consultation. We have extensive experience in the review of environmental reports and the integration of specialist studies as part of Environmental Impact Assessments (EIAs).

EIA Process Studies and Reporting

Environmental legislation requires that an EIA process be undertaken for all developments which may have an effect (positive or negative) on the environment. Bohlweki Environmental undertakes all environmental studies in full compliance with the EIA Regulations (R1182 to R1184 of 5 September 1997, published in terms of the Environment Conservation Act, No 73 of 1989). Services available include:

- Environmental Impact Exemption Applications
- Environmental Scoping Studies
- Environmental Impact Assessments (EIAs)
- Environmental Management Plans (EMPs)
- Environmental auditing

Public Involvement Programmes

Stakeholder participation is critical in the EIA process. As part of a comprehensive EIA service, Bohlweki Environmental offers the following:

- Public Participation
- Environmental Capacity Building
- Compilation and management of project databases
- Grassroots consultation

Infrastructure and linear developments

Bohlweki Environmental has extensive experience in undertaking detailed environmental studies and public involvement processes for infrastructure and linear development projects. Such projects include environmental studies for:

- National roads (for the South African National Roads Agency Limited);
- Rail routes (e.g. for the Gauteng Department of Public Transport, Roads and Works);
- Provincial and secondary roads (e.g. for the KwaZulu-Natal Department of Transport);
- Transmission and distribution lines (for Eskom);
- Pipelines (for Rand Water, Magalies Water and local authorities).

Mining Industry

As part of the application for mining authorisation, it is required that the environmental implications associated with the proposed mining activity be investigated and management procedures be put in place to minimise any adverse impacts. In obtaining the necessary approvals for Clients, Bohlweki Environmental has gained experience in the compilation of Environmental Management Programme Reports (EMPRs) and the undertaking of public involvement processes and community liaison associated with mining activities.

Bohlweki Environmental has, in association with Mintek, recently compiled several EMPRs for the National Steering Committee for Small-Scale Mining. These projects are key in the drive to formalise small-scale mining operations in South Africa.

Water Resources Management

Water resource management is a key focus of the National Water Act (No 36 of 1998). Bohlweki Environmental has the necessary expertise and experience required to assist both public- and private-sector organisations in meeting the requirements of this Act. Services, which we offer, include:

- Water quality, sanitation and wastewater management studies;
- Compilation of Water Quality Management Reports as required to obtain permits for effluent discharge;
- The completion of the necessary license applications to the Department of Water Affairs and Forestry.

Waste Management

Bohlweki Environmental staff have a detailed understanding and practical experience of the Minimum Requirements for Waste Disposal by Landfill, and has a wealth of expertise in the waste management field. Particular services include:

- Minimum requirements for DWAF;
- Feasibility studies in accordance with the Municipal Systems Act (No 32 of 2000);
- Waste Management Strategies;
- Strategic advice regarding the management of existing operating landfills;
- All environmental studies required for the siting, licensing and development of landfills (general and hazardous landfills);
- Closure and rehabilitation plans for landfills.

Air Quality Management

The air quality team known as Umoya (air) provide services in the field of air quality management and impact assessment, with the aim of fulfilling an organisation's local and international obligation. This may include but is not limited to the following core services:

- Air Quality Monitoring;
- Air Quality Impact Assessment;
- Air Quality Management Planning;
- Dust and Odour Control;
- Management System Design and Development;
- Emissions Inventory Development;
- Baseline Assessment.

Environmental Site/Control Officers

Bohlweki Environmental staff have a detailed understanding and practical experience in fulfilling the role of Environmental Site/Control Officers (ECOs) during the construction phases of projects. Bohlweki Environmental has supplied ECOs to construction sites for:

- Transmission 400 kV powerline projects;
- Housing developments;
- Bulk infrastructure developments (including stormwater control systems and wastewater treatment facilities).

Environmental Awareness Training

Bohlweki Environmental prepares and presents customised courses and training sessions in all facets of the environment to meet Client's needs. Bohlweki Environmental staff is able to train a variety of learners, at all levels of literacy. Between the staff members at Bohlweki Environmental, all eleven official languages are spoken fluently.

As part of the education courses which Mintek is providing to small-scale miners across the country, Bohlweki Environmental presents the environmental aspects and rehabilitation session. This initiative is key to the drive to formalise small-scale mining operations in South Africa.

Specialist services

Bohlweki Environmental has specialist staff capable of undertaking studies in the natural and social environment. This specialist knowledge includes:

- Flora and fauna
- Biodiversity
- Ecological processes
- Social Impact Assessment (SIAs)
- Environmental aspects of Local Integrated Development Plans (LIDPs)
- Sustainable land management, including
 - * Veld rehabilitation
 - * Veld condition assessment & monitoring
 - * Veld and farm management plans
 - * Erosion control measures
 - * Alien species control
 - * Bush encroachment evaluation, control and mitigation

KEY PERSONNEL

Profile of the Chairman: Makgabo Rufus Maruma

On 1 July 1995 Makgabo Rufus Maruma was appointed Chairman of Bohlweki Environmental (Pty) Ltd. Mr Maruma is a world-respected tourism, conservation, environmental and waste management expert.

Rufus Maruma has a MSc degree in Environmental Science from Aberdeen University in Scotland and holds numerous other qualifications in the environmental field. He has been a key member of many prestigious councils and international initiatives and has been a past head of the Department of Environmental Affairs and Tourism in the Limpopo Province. He was also a member of the National Parks Board and is a Director of the listed company, Enviroserv Holdings Ltd, the largest waste management company in Africa. He is also Chairman of Phalaborwa Mining Company Limited and a Director of the Main Board of Group 5 Limited, both listed on the Johannesburg Stock Exchange. Rufus Maruma is an Executive Chairman of George Stott and Company and holds directorships in the Bakwena Concession Company, Amafaun Faun and Pan African Shopfitters. He is a member of the advisory panel of the Limpopo Province.

Jannette Horn joined Bohlweki Environmental as the *Managing Director* on 1 September 2006 and holds a BSc (Hons) in Environmental Management. She is also registered with IEMA as an International Lead EMS Auditor and Trainer as well as being a registered trainer with the Services SETA. She has ten years experience in the environmental consultancy field focusing on EIA's, EMP's and the development, planning and implementation of EMS's (based on ISO 14001:2004) as well as delivering training and conducting environmental audits.

Mark Freeman (Pr. Sci. Nat.) is a *Director* of Bohlweki Environmental and holds an MSc in Transportation Engineering. Within the Environmental Management Unit, his primary focus is on environmental impact assessments, water quality, sanitation and wastewater management studies and transportation studies.

Joggie van Staden, a *Senior Environmental Scientist*, holds an MSc in Vegetation Ecology. His primary focus is on vegetation ecology, natural resource evaluation, farm/reserve planning and environmental management. He is currently heading up the Western Cape office of Bohlweki Environmental, which is located in George.

Hantie Plomp, a *Senior Environmental Scientist*, holds a Masters in Environmental Management. She will be heading up the Kwa-zulu Natal office of Bohlweki Environmental.

Raylene Watson, a *Senior Environmental Scientist* holds a Doctorate in Ecotoxicology and Parasitology. She manages the air quality unit, providing support on aspects related to air quality impact assessment and air quality management.

Kelly Martin, an *Environmental Scientist* holds a Masters Degree in Environmental Management and a Diploma in Project Management. She provides technical support in the undertaking of Environmental Impact Assessments, the compilation of Environmental Management Plans and Project Management.

Greg Seymour, an *Environmental Scientist* holds a BSc Agric Honours (Wildlife Science). He provides technical support in the undertaking of Environmental Impact Assessments and the compilation of Environmental Management Plans.

Ashlea Strong, an *Environmental Scientist* is holds a Masters Degree in Environmental Management. She also holds a National Diploma in Nature Conservation, and a B Tech in Nature Conservation. She provides technical support in the undertaking of Environmental Impact Assessments and the compilation of Environmental Management Plans and project Management.

Charles Hin, an *Environmental Scientist* holds a Masters Degree (Wildlife Management). He provides technical support in the air quality field, focusing on impact assessments and the development of tools for use during the implementation of management plans.

Greg Crookes, an *Environmental Scientist* holds a Bachelor of Science (Environmental Management). He provides technical support in the undertaking of Environmental Impact Assessments and the compilation of Environmental Management Plans.

Gift Magangane, an *Environmental Scientist*, is skilled in nine of South Africa's eleven official languages and specialises in grassroots communication and community participation. As an experienced schoolteacher, he actively participates in many consulting and training projects.

Rebecca Thomas, an *Environmental Scientist* holds a Bachelor of Science (Environmental Management). She provides technical support in the undertaking of Environmental Impact Assessments and the compilation of Environmental Management Plans.

Louise Agenbag, an *Environmental Scientist* holds a BSc (Hons) in Geography. She provides technical support in the undertaking of Environmental Impact Assessments and the compilation of Environmental Management Plans.

Kushela Naidoo, an *Environmental Scientist* holds a Masters in Environmental Science. He provides technical support in the undertaking of Environmental Impact Assessments and the compilation of Environmental Management Plans.

Prashika Reddy, an *Environmental Scientist* holds a BSc (Hons) in Geography and Botany. She provides technical support in the undertaking of Environmental Impact Assessments and the compilation of Environmental Management Plans.

Sibongile Hlomuka, a *Junior Environmental Scientist* holds a BA Honours in Environmental Studies. She provides technical support in the undertaking of Environmental Impact Assessments and the compilation of Environmental Management Plans.

Ndivhuwo Netshilaphala, a *Junior Environmental Scientist* holds a Bachelor of Science (Environmental Management). He provides technical support in the undertaking of Environmental Impact Assessments and the compilation of Environmental Management Plans.

EMPOWERMENT

Previously Disadvantaged Individuals (PDI) Status

Bohlweki Environmental aims to have a balanced representation of race and gender within the company. The current composition of the company is reflected in the table below.

Staff Composition (Permanent Staff) – Bohlweki Environmental

Category	Staff Composition	Total Number of Staff	% PDI	% White Women	% White Men
Principals	Black Male	1	4.35		
	White Female	2		8.7	
	Black Female	-			
	White Male	1			4.35
Professionals	Black Male	3	13.04		
	White Female	7		30.43	
	Black Female	2	8.7		
	White Male	4			17.39
Non Technical (Admin / Support staff)	Black Male	-			
	White Female	-			
	Black Female	3	13.04		
	White Male	-			
TOTAL		23	39.13%	39.13%	21.74%
			100%		

List of Shareholders

Name	Position	Identify Number	Nationality	PDI Status	% Share-holding	% PDI Share-holding
The Maruma Family Trust	Chairman	Trust Account IT11425/96	South African	Yes	35%	35%
Stewart Scott Investments (Pty) Ltd	Consulting Engineers	1966/001916/07	South African	See below	65%	22.75%
					100%	57.75 %

* Stewart Scott has a 35% PDI shareholding, we therefore have only taken 35% of their 65% shareholding in Bohlweki Environmental which equates to 22.75%. Therefore the Bohlweki Environmental PDI shareholding is 57.75%.

TRACK RECORD

A full list of the projects currently being undertaken, as well as work completed by Bohlweki Environmental (Pty) Ltd is available on request. Selected current projects and projects completed since 1997 include:

<u>YEAR</u>	<u>PROJECT DESCRIPTION</u>	<u>CLIENT</u>
Current	Air Quality Impact Assessment for the proposed Sedibelo Platinum Mine and Smelter in the North West Province, conducted for EIA purposes.	Knight Piesold
Current	Air Quality Impact Assessment for the Ticor Block P Prefeasibility Study in the uMhlatuzi Municipality, KZN, conducted for EIA purposes.	Kumba Resources
Current	Air Quality Impact Assessment for the proposed Kinsevere Mining and Processing Plant Operations in the Democratic Republic of the Congo.	Knight Piesold
Current	Environmental Impact Assessment for the proposed Capacity Expansion of the Atlantis OCGT Plant, Western Cape Province	Eskom Generation
Current	Environmental Impact Assessment for the proposed Steelpoort pumped storage Scheme in the Limpopo and Mpumalanga Provinces	Eskom Generation
Current	Environmental Impact Assessments for the proposed New Multi-Product Pipelines between Durban and Sasolburg (Kwa-Zulu Natal and Free State), Kendal and Waltloo (Gauteng and Mpumalanga), and Jamason Park and Langlaagte (Gauteng)	Petronet
Current	Determination of Noise Precincts for the City of Tshwane: Phase 2	City of Tshwane Metropolitan Municipality
Current	Environmental Impact Assessment for the proposed new 400 kV Transmission line between the Mercury and Garona substations, Northern Cape Province	Eskom Holdings Limited
Current	Environmental Impact Assessments for the proposed construction of three Gauging Weirs in the Northern Cape Province	DWAF
Current	Environmental Studies for the Application of a Mining Right for the Farm Roodekopjies for the proposed Establishment of an Underground Coal Gasification Project in Mpumalanga	Eskom Holdings Limited
Current	Environmental Impact Assessment for the proposed new Concentrated Solar Power (CSP) Pilot Plant in the Northern Cape Province	Eskom Holdings Limited
Current	Environmental Impact Assessment for the proposed Atlantis Open Cycle Gas Turbine (OCGT) Power Station and associated substation and Transmission lines at a site within Atlantis Industria, Western Cape Province	Eskom Holdings Limited
Current	Environmental Impact Assessment for a new coal-fired power station in the Lephalale area, Limpopo Province	Eskom Generation
Current	Environmental Control for the Construction of Module 4 at the Waterval Water Care Works	BCP-Palace
Current	State of the Environment Reports and Environmental Management Frameworks for the West Rand District Municipality as well as those of four Local Municipalities within the WRDM.	West Rand District Municipality (WRDM)
Current	Environmental Impact Assessment for the proposed 80 km bulk water supply pipeline from Brakfontein Reservoir to the Barnardsveli Reservoir, Gauteng and North West Provinces	Rand Water

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<u>YEAR</u>	<u>PROJECT DESCRIPTION</u>	<u>CLIENT</u>
Current	Environmental Scoping Study for the proposed Gardener Ross Golf and Country Estate in Centurion, Gauteng Province.	Gardener Ross Golf and Country Estate (Pty) Ltd
Current	Environmental Scoping Study for the proposed extensions to the Piet Retief Water Purification Works, Mpumalanga Province.	Kwezi V3 Engineers
Current	Environmental Impact Assessment Exemption application for the Stormwater Drainage System through Majaneng, Themba.	Tshwane Metropolitan Municipality
Current	Environmental Scoping and Management Plans for new 132 kV Sub-transmission lines and substations: proposed Kabokweni-Hlau Hlau, Kiepersol-Hazyview, Zandfontein and Carolina-Witkloof 132 kV lines in Mpumalanga Province and proposed GaRankuwa-Dinaledi 132 kV lines in Gauteng.	Eskom Distribution
Current	Environmental Impact Assessment for the proposed 765 kV Transmission Powerline between Hydra Substation (near De Aar) and the Proposed Gamma Substation (near Victoria West), Northern Cape.	Eskom Transmission
Current	Environmental Impact Assessment for the establishment of a Waste Blending Platform within the Gauteng Province.	Holcim South Africa and EnviroServ Waste Management
Current	Environmental Management Programme Reports (EMPRs) for the formalisation of three sandstone mining sites, and a clay mining and brick-making site in Qwa Qwa, Free State Province.	National Steering Committee for Small-Scale Mining
Current	Environmental Impact Assessment for a new Regional, General and Hazardous Landfill in the Eastern Cape.	Coega Development Corporation
Current	Water license applications for mining activities at Dudfield	Holcim South Africa
2006	Air Quality Impact Assessment for a Limestone quarry in the North West Province. Undertaken for EIA Purposes.	Prime Resources
2006	Mittal Steel Vanderbijlpark Steel Electric Arc Furnace secondary dust extraction system. An air quality impact assessment conducted for EIA purposes.	EcoRisk SA
2006	Remediation of the Mittal Steel Vereeniging Steel Klipriver waste disposal site. An air quality impact assessment conducted for EIA purposes.	Jones and Wagner
2006	Air Quality Impact Assessment for the Brikor brick making operations at Bronkhorstspuit. Undertaken for Environmental Management Programme Reporting purposes.	Prime Resources
2006	Buffer Zone Delineation around the ERWAT Olifantsfontein sewage works for the purpose of assessing the applicability of developing the Strawberry Farm Residential development. Undertaken for EIA purposes.	M&T Developments
2006	Buffer Zone Delineation around the ERWAT Olifantsfontein sewage works for the purpose of assessing the applicability of developing an extension to the existing Clayville Residential development. Undertaken for EIA purposes.	South Net Projects
2005	Determination of Noise Precincts for the City of Tshwane: Phase 1	City of Tshwane Metropolitan Municipality
2005	Integrated Environmental Policy for the City of Tshwane Metropolitan Municipality.	City of Tshwane Metropolitan Municipality
2005	Exemption application for gas pipelines between Majuba Coal Fields and Majuba Power Station, Mpumalanga Province	Eskom TSI
2005	Environmental Scoping and Management Plans for new 132 kV Sub-transmission lines and substations: proposed Rockdale-Middelburg, Irenedale and Zandfontein 132 kV lines in Mpumalanga Province and proposed GaRankuwa-Dinaledi 132 kV lines in Gauteng.	Eskom Distribution
2005	Environmental Scoping Study for the upgrading and extension of facilities at Rietfontein Nature Reserve, Gauteng	Joburg City Parks

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<u>YEAR</u>	<u>PROJECT DESCRIPTION</u>	<u>CLIENT</u>
2005	Environmental Impact Assessment for the proposed Alternative Fuels and Resources Project at the Holcim South Africa Ulco cement plant near Kimberley, Northern Cape.	Holcim South Africa
2004	Environmental Impact Assessment for the proposed Alternative Fuels and Resources Project at the Holcim South Africa cement plant in Dudfield, North West Province.	Holcim South Africa
2004	Site selection study for Matimba/Kumba Resource Power Plant, Limpopo Province	Eskom Generation
2004	Public Participation Process for the Return-to-Service of the Grootvlei Power Station.	Eskom Generation
2004	Detailed Environmental Scoping Study for the proposed Capacity Increase Project at Arnot Power Station, Mpumalanga Province.	Eskom Generation
2004	Social Impact Assessment for Kimberley Mines.	De Beers
2004	Opportunities and Constraints Analysis for the Wonderboom Airport Development Programme.	City of Tshwane Metropolitan Municipality
2004	Environmental Impact Assessment for the Gautrain Rapid Rail Link Project, Gauteng.	Gauteng Department of Public Transport, Roads & Works
2004	Environmental Scoping Study for the proposed upgrading of Rand Water pipelines out of Zwartkopjes Pumping Station, as well as the extension of the Butchers Hill to Forest Hill pipeline, Southern Johannesburg.	Rand Water
2004	Exemption application for the proposed upgrading of the Rand Water pipeline from Turfontein Race Course to Village Main, Southern Johannesburg.	Rand Water
2000 - 2003	Environmental Scoping Study, Environmental Impact Assessment and Environmental Management Plan for the proposed N2 Wild Coast Toll Road between East London (Eastern Cape) and Durban (KwaZulu-Natal).	SA National Roads Agency/ Wild Coast Consortium
2003	Implementation of an Environmental Management System for the Camden Power Station	Eskom Holdings Limited
2003	Exemption application for the installation of Rand Water's Daleside Pipeline, Southern Johannesburg.	Rand Water
2003	Public Participation Process for the Return-to-Service of the Camden Power Station, Ermelo.	Eskom Generation
2003	Closure plan (including a total rehabilitation plan) for the Mowkop Quarry, Gauteng.	Grinaker-LTA
2003	Detailed Environmental Scoping and Management Plan for the proposed Everest Substation and associated Simplon-Everest 132 kV powerline, Mpumalanga Province	Eskom Distribution
2003	Consulting Services for the rehabilitation of two borrow pits and a stone quarry near Grootvlei, Mpumalanga	Private Landowner
2002	Environmental Pre-Scoping for a proposed Concentrating Solar Power Plant in the Northern Cape Province.	Eskom Corporate
2002	Environmental Management Programme Report (EMPR) for prospecting activities in the Premier Mine Game Park, Premier Mine	De Beers
2002	Development of Minimum Requirements for RDP Housing Developments on a National Basis.	National Department of Housing
2002	Environmental Impact Assessment for the proposed third 400 kV Transmission line between Poseidon and Grassridge Substations, Eastern Cape Province	Eskom Transmission

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<u>YEAR</u>	<u>PROJECT DESCRIPTION</u>	<u>CLIENT</u>
2002	Environmental Impact Assessment and Management Plan for the Lotus Gardens Extension 2 Development (4 500 RDP houses)	City of Tshwane Metropolitan Municipality
2002	Environmental Impact Assessment for the proposed nine 132 kV powerlines between Grassridge Substation and the Coega Industrial Development Zone, Eastern Cape Province	Eskom Transmission
2002	Environmental Impact Assessment for the proposed new 400 kV Transmission line between Matimba substation and Witkop substation, Northern Province	Eskom Transmission
2002	Development of an Environmental Impact Screening Tool for new developments within National Parks	South African National Parks
2002	Environmental Impact Assessment for the proposed new Ikaros substation and associated 400 kV Transmission line infrastructure, North West Province	Eskom Transmission
2002	Various Risk Assessments for various Eskom Holding's Power Stations for Simunye Power Stations	Eskom Generation
2002	Environmental Impact Assessment for the main feeder water pipeline and reservoirs at Ingagane, Newcastle, KZN	Eskom Generation
2002	Environmental Rehabilitation Criteria and amendment of the Environmental Management Programme Report (EMPR) for Alexkor Mine	Alexkor
2002	Environmental Management Programme Report (EMPR) for diamond exploration near Van Rhyndorp, Western Cape	Minexpo
2001	Detailed Environmental Scoping Study for the Establishment of a 400kV Transmission Line between the Poseidon and Grassridge Substations in the Eastern Cape	Eskom Transmission
2001	Environmental Aspects of Johannesburg's Local Integrated Development Plans (LIDPs).	Koplan/GJMC
2001	Assorted Environmental Scoping Reports/Environmental Management Plans under the GJMC's CAPEX Programme.	Bigen Africa/GJMC
2001	Environmental Impact Assessment and Environmental Management Plan for the Platinum Highway Project.	Bakwena Platinum Corridor Consortium
2000-2001	Strategic waste collection, recycling and waste management advice for Melrose Arch Property Development in Johannesburg.	Osmond Lange and Mines Pension Fund
2000	Environmental Impact Assessment, Environmental Management Plan and Environmental Management Programme Report for the C-Cut development at Premier Mine.	De Beers
2000	The Management of Urban Impoundments Guideline Manual.	Water Research Commission
2000	Review of Environmental Scoping Study for the Soutdrift Rural Substation Project.	Eskom
2000	Gauteng Waste Recycling Study.	Duos Engineers and Leverage (Netherlands)
2000	EIA Exemption Application for Township in Alberton.	Morero Enterprises
2000	Environmental Scoping Report for the Peach Tree Golf Estate Development.	Jarnby Investments
2000	EIA Exemption Application for Electricity Transmission Line.	Nelspruit City Council
2000	EIA Exemption Application for the Condensate Supply Project at Sasol Secunda.	Sastech
1999	Klip River Catchment Situation Analysis.	Dept of Water Affairs and Forestry
1999	EIA Exemption Application for Blue Hills Taxi Rank.	Midrand Town Council

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<u>YEAR</u>	<u>PROJECT DESCRIPTION</u>	<u>CLIENT</u>
1999	Environmental Scoping Study for Kingsway Relief Road, Maseru.	Maseru Town Council, Lesotho
1999	Solid Waste Masterplan Update and Composting Feasibility Study.	Khayalami Metropolitan Council
1999	Olifantsvlei Wastewater Treatment Works: Water Quality Management Report.	GJMC
1999	Goudkoppies Wastewater Treatment Works: Water Quality Management Report.	GJMC
1999	Environmental Scoping Report for the Thaba Ya Batswana development.	Koplan
1999	Environmental Scoping Report for the Construction of a Water Reclamation Plant at the Southern Wastewater Treatment Works, Durban.	Durban Water Recycling (Pty) Ltd.
1999	Environmental Scoping Report for a Community Safety Centre at Khutsong near Carletonville.	Department of Public Works
1999	Environmental Scoping Report for the Upgrading of Main Road 100 near Ndwedwe.	Kwa Zulu Natal Department of Transport
1999	An Environmental Assessment and Public Involvement Process Guideline Manual.	Greater Pretoria Metropolitan Council
1998	Detailed Environmental Impact Study of the Goudkoppies Wastewater Treatment Works and the Goudkoppies Landfill Site.	Greater Johannesburg Metropolitan Council
1998	Environmental Scoping Report for the Conveyance, Treatment and Disposal of Wastewater for Drainage District DD6.	ERWAT
1998	Comprehensive Environmental Impact Report for a New Regional Water Care Works at Welgedacht.	ERWAT
1998	Environmental Management Plan for the Construction of an Asphalt Overlay and Repairs to Sections of National Route 3 and National Route 1.	Keeve Steyn Inc.
1998	Environmental Scoping Report for the Development of a Landfill at Cala Eastern Cape Province.	Cala Transitional Town Council
1998	Mooi River Catchment Management Study Phase 1: Situation Analysis: Identification of Current and Future Development in the Catchment and Investigation of Different Issues Associated with the 1 Metre Pipeline.	DWAF
1998	Environmental Scoping Report for the Upgrading of the Dassenhoek Wastewater Treatment Works.	Durban Metro Water Services: Department Of Wastewater Management
1998	Dassenhoek Wastewater Treatment Works Durban: Water Quality Management Report.	Durban Metro Water Services: Department Of Wastewater Management
1998	Bushkoppie Wastewater Treatment Works: Water Quality Management Report.	GJMC
1998	Victoria Falls Development – Zambia. Specialist Study Infrastructure: Water Supply.	Sun International
1998	Victoria Falls Hotel Development – Zambia. Specialist Study Infrastructure: Liquid Waste.	Sun International
1998	Environmental Scoping Report For Tiffindell Ski Resort, Eastern Cape.	Tiffindell Ski Ltd
1998	Durban Southern Metropolitan Wastewater Disposal Study: Environmental Evaluation of Preferred Options.	Durban Metropolitan Council
1998	Feasibility Study into the More Effective Disposal of Green Waste Generated in the Khayalami Metropolitan Area.	Khayalami Metropolitan Council

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<u>YEAR</u>	<u>PROJECT DESCRIPTION</u>	<u>CLIENT</u>
1998	Solid Waste Management Masterplan Update.	Khayalami Metropolitan Council
1998	Blesbokspruit Catchment Management Plan: Situation Analysis.	DWAF
1998	Environmental Scoping Report for the Upgrading of Provincial Road 2150 near Orange Farm.	Gautrans
1998	An Evaluation of the Enviro Loo Composting Latrine in an Informal Settlement Area in Greater Johannesburg.	Water Research Commission
1998	Environmental Management Plans for the Refurbishment of Bulk Water Supply Infrastructure in the Moretele and Pilansberg Areas.	Magalies Water
1998	Upgrading of Provincial Road 6 Between Pomeroy and Helpmekaar: Environmental Scoping Report.	Kwa Zulu Natal Department of Transport
1998	Environmental Scoping Report for the Refurbishment of Bulk Water Supply Infrastructure in the Moretele and Pilansberg Areas.	Magalies Water
1998	Investigation into the Delivery of Municipal Solid Waste Collection and Disposal Services and the Identification of Possible Alternative Delivery Options for the Inner City Area of Johannesburg.	GJMC
1998	The Licensing and Development of a New Landfill and Closure of the Existing Landfill at Cala, Eastern Cape Province: In Support of Permit Application Documentation to the Department of Water Affairs And Forestry.	Cala Transitional Local Council
1998	Pre-Investment Study on the Introduction of Gas to the Western Cape and the Conversion of the Athlone Power Station: Environmental Issues.	Cape Town Energy Consultants
1997	Residential Suitability Study: Smallholdings of Linkholm, Drakeville and Steel Valley - An Assessment of the Water Quality and Pollution in the Area.	Western Services Council
1997	Limited Scoping for a Temporary Pumpstation and Rising Main and Strategic Assessment for a Wastewater Works Site near Lanseria.	Ndodana Becker & Associates
1997	Land Development Objectives for the Environment for the Suikerbosrand and Walkerville/De Dear/Randvaal Rural Areas.	Eastern Gauteng Services Council
1997	Environmental Management Plan (EMP) for the Middledrift Community Water Supply Scheme.	Mhlatuze Water
1997	Integrated Pollution and Waste Management White Paper.	DEAT and DWAF
1997	Rehabilitation of Areas Polluted with Asbestos Fibres, Pomfret Military Base: Phase 2 Risk Assessment.	Department of Public Works
1997	Klip River Outfall Sewer and Proposed Wastewater Treatment Works: Environmental Scoping Study.	GJMC
1997	Development of a Water Management Plan for the Free State Goldfields and Sand/Vet River Catchments.	DWAF
1997	Proposed Rufaro BNR Wastewater Treatment Works: Preliminary Environmental Impact Assessment.	Marondera Municipality, Zimbabwe
1997	Preliminary Environmental Impact Assessment of the Goudkoppies and old Klipspruit Wastewater Treatment Works and the Goudkoppies Landfill Site.	GJMC
1997	Initial Environmental Impact Report on the Status Quo of the Existing Water Care Infrastructure in the DD5A Sub-Drainage District and the Impact on the Downstream Blesbokspruit Catchment.	ERWAT
1997	Initial Environmental Impact Report of Three Greenfield Sites for a New Regional Water Care Works.	ERWAT
1997	Environmental Management Plan (EMP) for the Kingstonvale Wastewater Treatment Works, Nelspruit.	Nelspruit Local Council

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<u>YEAR</u>	<u>PROJECT DESCRIPTION</u>	<u>CLIENT</u>
1997	Tsakane Housing Development; Preliminary Environmental Impact Assessment.	LTA Housing Developments