



EMG

ENVIRONMENTAL MANAGEMENT GROUP

*Specialists in Environmental Management
Integrating Industry and Infrastructure with the Environment*

COMPANY PROFILE



BACKGROUND

Environmental Management Group (PTY) Ltd. EMG, is an active company working in conjunction with other private companies, Government Departments, Municipalities and Parastatals to promote sustainable development and sound environmental management principles.

Driven by the needs of the Southern African people, EMG strives to be a successful company with a sound environmental ethos. By investing in a sound technical infrastructure, EMG is able to attain competence and efficiency in all aspects of the environmental management sector. This can all be attributed to the dedication and expertise of EMG as a company as well as its associated personnel.

The pressing need of managing crucial environmental resources in a sustainable fashion is recognized globally. To this end EMG has proudly contributed through various environmental projects towards a sustainable society by means of ensuring the necessary implementation of Integrated Environmental Management Procedures where future developments are concerned.

THE COMPANY

The company is actively engaged in activities that promote sustainable development. It is engaged in the use, development, and improvement of the mapping sciences. Coupled to a worldwide growth in environmental concern, EMG successfully engaged in the provision of expert environmental management services to its clients. Therefore, the structure of the company comprises of three specialist divisions:

- **Environmental Management**
- **Consulting and Project Management**
- **Biophysical Specialist Investigations**

The integration of services rendered is evident from numerous successfully completed projects.



COMPANY VALUES AND POLICIES

Honesty, justice, and courtesy from a moral philosophy which, associated with mutual interest among people, should be the principles on which ethics are founded. Accordingly, the company shall have full regard for achieving excellence in the practice of the profession and the essentially of maintaining the highest standards of ethical conduct in responsibilities and work for, all clients, colleagues and associates, and society at large.

EMG believes in creating circumstances, which allow personnel opportunities for self-actualization. For this reason, it places a high premium on career opportunities, development, commitment to service, achievement, communication, adaptability and a continued drive towards improvement and excellence.

EMG actively strives towards the continued delivery of a cost-effective and efficient service. We believe in the principle of management through measurement and offer to deliver our services on measurable service levels. This allows the client the opportunity to determine the efficiency of our service whilst the process clearly shows service trends to EMG's management.

The increasing tendency towards international joint ventures calls for cooperative efforts. It is EMG's conviction that only innovative thinking can maintain high and quality standards.



ENVIRONMENTAL MANAGEMENT SERVICES

- MINING PERMIT APPLICATION
- PROSPECTING RIGHT APPLICATIONS
- MINING RIGHT APPLICATIONS
- MINE CLOSURE CERTIFICATES
- APPLICATION FOR ENVIRONMENTAL AUTHORISATION
- BASIC ASSESSMENT REPORTS
- ENVIRONMENTAL IMPACT ASSESSMENT
- ENVIRONMENTAL SCREENING
- ENVIRONMENTAL MANAGEMENT PLANS

- ENVIRONMENTAL COMPLIANCE MONITORING
- WATER USE LICENSE APPLICATIONS
- STORMWATER MANAGEMENT PLANS
- ATMOSPHERIC EMISSIONS LICENSING
- WASTE LICENSING
- PERMITS FOR THE SAFE REMOVAL OF PROTECTED PLANTS

ENVIRONMENTAL SPECIALIST SERVICES

- ### ECOLOGICAL
- Ecological Assessments
 - Wetland Delineation
 - Ecological Risk Matrix Determination
 - Biodeversity Assessments
 - Avifuanal Assessment
 - Grazing Capacity Calculations

- ### HERITAGE
- Anthropological Assessments
 - Paleontological Assessments
 - SARA Submissions

- ### GEOHYDROLOGICAL
- Borehole Sighting
 - Pump Testing
 - Geohydrological Assessment
 - Water Quality Testing
 - Floodline Determination
 - Geohydrological Modding
 - Borehole Sighting
 - Geophysical Assessment
 - Flow Regime Determination

- ### GEOLOGICAL
- Geological Assessments
 - Soil Suitability Analysis
 - Agricultural Potential Assessments

- ### AGRI-BUSINESS
- Land-Use Assessments
 - Farm Management Plans
 - Agricultural Feasibility Studies
 - Agricultural Business Plans
 - Agri-economics
 - Infrastructure & Agricultural Growth Potential
 - Agricultural Resource Evaluation
 - Agricultural Potential Assessment

- ### GEOGRAPHICAL INFORMATION SYSTEM
- Sensitivity Mapping,
 - Environmental Impact Analysis,
 - Determination of land cover and land use,
 - Soil Mapping,
 - Wetland Mapping,
 - Vegetation Mapping,
 - Catchment Modeling,
 - Hydraulic (flood) Modeling



SERVICE SECTORS

Every industry faces diverse challenges. Environmental management forms an integral part of every project, regardless of the industry. EMG is an independent specialised environmental consulting firm offering the full spectrum of environmental management services across multiple sectors.



SERVICE DELIVERY SECTORS



RENEWABLE ENERGY DEVELOPMENT



RURAL DEVELOPMENT



INFRASTRUCTURE DEVELOPMENT



MINING SECTOR



RESIDENTIAL DEVELOPMENT



WATER RESOURCE DEVELOPMENT



INDUSTRIAL DEVELOPMENT

EMPOWERMENT

EMG Environmental Management Group (PTY) Ltd. supports and promotes affirmative action and empowerment as effectively as possible. This has been achieved by developing the firm's internal policy and adhering to legislation. EMG is committed to and promotes, empowerment and transformation by subscribing to BBBEE codes. The policy has been developed and improved over the years with positive progress as indicated below:

STRATEGY	PROGRESS
BBBEE Scorecard	BBBEE rating level 2
HDI & PDI Ownership	51%
Training Programmes	On-going internal & external
Racial & Gender Equality	On-going recruitment & internships
Project Empowerment Programme	Continuous capacity building on project basis
In-Service Training	On-going employee support

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Our Team consists of Highly professional and qualified staff in each department of Environmental Management within the Company's service range.

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EMG invests in every employee's experience and education with a firm belief that knowledge is power.

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CREDENTIALIALS

SERVICE DELIVERY SECTORS

- AURECON - Boshof Water Treatment Works –
- WULA - Tokologo Local Municipality
- SMEC - New Landfill site development in Metsimaholo- EIA, WULA, Waste License - Metsimaholo Local Municipality, Free State
- Morema Consulting Engineering (Pty) Ltd - Lindley Waste Water Treatment Works – BAR,
- WULA – Nketoana Local Municipality, Free State
- AURECON – Rehabilitation Plan for Grootvlei Waste Water Treatment Works – Department of Public Works & Infrastructure, Free State
- Sky Developments (PTY) LTD – Dam Registration - WULA – Free State
- Tsela Tsweu Consulting Engineers - Construction of Rural Water Supply System for the North West Province (Broedersput; Konke; Piet Plessis; Schweizer-Reneke; Geduldspan; Louwna; Mabone; Maheng) - BAR, Environmental Screening, WULA, ECO - Dr Ruth Segomotsi Mompoti District Municipality, North-West
- BVI Consulting Engineers - Construction of Rural Water Supply System for the North West Province (Kameelputs; Lykso; Madipelesa; Reivilo; Pitsong; Shaleng; Mothlako; Molelema) - Environmental Screening, WULA, ECO - Dr Ruth Segomotsi Mompoti District Municipality, North-West
- NEP Consulting – Warrenton Pipeline construction - EMP, ECO – Magareng Local Municipality, Northern Cape
- BVI – Tsiloane Water provision and Ntswelengwe Water reticulation - WULA - Joe Morolong Local Municipality, Northern Cape
- Bigen Africa - Renosterspruit Pipeline Leakage Repair BAR & WULA - Mangaung Metropolitan Municipality, Free State
- Tsela Tsweu – New Landfill development and Closure of Existing Landfill, Kathu – EIA, Waste, Site Selection, Feasibility Assessment - ASSMANG Iron Ore Khumani Mine, Northern Cape

RENEWABLE ENERGY DEVELOPMENT

- CENEC (Central Energy Cooperation) – Environmental Feasibility – Grashoek Hydrogen Hub Green Ammonia Project, Northern Cape

RURAL DEVELOPMENT

- SMEC - Agri-Park Development in the Free State Province (Parys; Springfontein; Thaba-Nchu; Wesselsbron) - Environmental Screening, BAR,
- IWULA, 24G - - Department of Rural Development and Land Reform, Free State
- SMEC - Farmer Production Support Units Development in the Free State Province (Koffiefontein; Odendaalsrus; Sediba; Ficksburg; Kroonstad; Ficksburg) - Environmental Screening,
- BAR, IWULA - Department of Rural Development and Land Reform, Free State
- SMEC – 5 Agricultural Farm Developments (Petrusburg – Thusanong Ostrich Enterprise; Dewetsdorp – Bopanang Primary Cooperative Limited Piggery; Paradys – Thozama Agricultural Primary Cooperative Piggery; Sediba - Itereleng Piggery Primary Cooperative Limited Piggery; Wesselsbron - Relebohile Poultry Facility) – BAR, Waste, WULA - Department of Rural Development and Land Reform, Free State
- Linheim - Expansion of Linheim Sheep Feedlot - BAR - Mr. J.G. Linström, Free State
- Bakora Trust – Egg-Layer Facility Development - BAR, WULA – Free State
- Sterrairie PTY LTD – Chicken Layer Facility, Kroonstad - BAR, WULA, ECO – Free State
- Methodist Church – Sheep Feedlot - Business Plan – Free State
- J & JM Trust – Johan Mans Pivot Irrigation,

Murraysburg WULA – Western Cape
 Sekuthe Sekute Farming - Marquard Chicken Layers – BAR - Free State
 Good Morning Piggery - Harrismith Piggery - BAR – Free State
 Cornelia Wessels – Centre Pivot Irrigation System, Standerston - WULA - Mpumalanga

INFRASTRUCTURE DEVELOPMENT

- SMEC - A Re Ageng Brick Business Development -
- EIA, WULA, AEL- Department of Rural Development and Land Reform, Free State
- SMEC – Cluster 8 Lunda & Emqonco pipeline constriction - ECO – Chris Hani District Municipality, Eastern Cape
- Umfundu Professional Services CC - Mmamahabane Cemetery development, Ventersburg - EIA, WULA - Matjhabeng Local Municipality, Free State
- Umfundu Professional Services CC - Trompsburg Taxi Rank Development - ECO - Department of Police, Roads and Transport, Free State
- Tsela Tsweu – Khai-Appel Pipeline, Kathu - ECO,
- WULA, EMP, Environmental Screening – ASSMANG Iron Ore Khumani Mine, Northern Cape
- MolPro Consulting Engineers - Deneysville to Jim Fouche Road Construction - WULA, ECO, MP, 24G - Department of Police, Roads and Transport, Free State
- MolPro Consulting Engineers - Deneysville to Heibron Road Construction - WULA, ECO, MP, 24G -Department of Police, Roads and Transport, Free State
- MolPro Consulting Engineers - Koppies to Schonkenville Road Construction - BAR, ECO - Department of Police, Roads and Transport, Free State
- MolPro Consulting Engineers - Tumahole Road Construction - ECO - Department of Police, Roads and Transport, Free State
- MolPro Consulting Engineers – ECO – Route 4
- Qwa-Qwa Road Construction – Department of Police, Roads and Transport, Free State
- SMEC - Gatsokedi to Maipeng Road Construction - ECO - Department of Roads and Public Works, Northern Cape
- SMEC – BK126 Magobing to Bathlaros Road Construction - Environmental Screening, BAR,
- WULA, DAFF Permit, ECO - Department of Roads and Public Works, Northern Cape
- SMEC – Tsineng to Washington Road Construction - Environmental Screening – Assmang (PTY) LTD & Department of Roads and Public Works, Northern Cape
- KMSD - Road Construction MR 947 & MR 950 - ECO, Closure Certificates, MP - Department of Roads and Public Works, Northern Cape
- Department of Police, Roads and Transport, Free State – Bloemhof – Hoopstad Road Construction – ECO, Environmental Screening, EMP – Free State
- Department of Police, Roads and Transport, Free State – Bothaville - Viljoenskroon Road Construction – ECO, Environmental Screening, EMP – Free State
- Department of Police, Roads and Transport, Free State – Bultfontein - Hoopstad Road Construction – ECO, Environmental Screening, EMP – Free State
- Department of Police, Roads and Transport, Free State – Kroonstad - Viljoenskroon Road Construction – ECO, Environmental Screening, EMP – Free State

Department of Police, Roads and Transport, Free State – N8 Bloemfontein Road Construction – ECO, Environmental Screening, EMP – Free State

Department of Police, Roads and Transport, Free State – Senekal - Ventersburg Road Construction – ECO, Environmental Screening, EMP – Free State

Department of Police, Roads and Transport, Free State – S110 in Thaba-Nchu Road Construction – ECO, Environmental Screening, EMP – Free State

Department of Police, Roads and Transport, Free State – Vredefort - Viljoenskroon Road Construction – ECO, Environmental Screening, EMP – Free State

Department of Police, Roads and Transport, Free State – Welkom - Bultfontein Road Construction – ECO, Environmental Screening, EMP – Free State

Department of Police, Roads and Transport, Free State – Wesselsbron - Bultfontein Road Construction – Environmental Screening, EMP – Free State

Raubex – P9/4 Road Construction, Sasolburg - WULA– Free State

- Euromid Africa Development (PTY) LTD - Matjhabeng Precinct IDP Sports facility Project, Welkom – EIA, WULA – Free State
- Miletus Consulting Engineers – Traffic Training Centre development - EIA, Scoping, BAR, WULA, ECO –Gauteng

MINING SECTOR

- SMEC - Zastron Sandstone Mine - MP, WULA - Department of Rural Development and Land Reform, Free State
- Danohar Contracting (PTY) Ltd - Borrow Pit in Bloemfontein - MP, WULA – Free State
- Mokala Manganese Mine – Environmental Audit Report, Hotazel – Northern Cape
- Mantsopa Local Municipality – Register 4 borrow pits in the Local Municipality – Free State
- Tja Naledi Beafase Investment Holdings (PTY) LTD – Parys Sand Mine – Calculation of Financial Provision – Free State

RESIDENTIAL DEVELOPMENT

- Dr Gouws – Dawn Valley ECO Estate, Bloemfontein - WULA – Free State
- Hospital Design Group (HDG) - Kimberley Nursing Collage and Nursing Accommodation – BAR, ECO - Department Roads and Public Works, Northern Cape
- SMEC – School Developments (Bloemfontein and Frankfort) – Environmental Screening, BAR, EMP – DBSA, Free State

WATER RESOURCE DEVELOPMENT

- NEP Consulting Engineers – Stella Waste Water Treatment Works - BAR, WULA - Dr Ruth Segomotsi Mompoti District Municipality, North-West
- BVI Consulting Engineers – Britstown Waste Water Treatment Works - ECO – Emthanjeni Local Municipality, Northern Cape

Abbreviations

24G	Rectification of unlawful commencement
AEL	Air Emissions Licence
BAR	Basic Assessment Report
DAFF	Department of Agriculture Forestry and Fisheries
EA	Environmental Authorisation
ECO	Environmental Compliance Monitoring
EIA	Environmental Impact Assessment
EMP	Environmental Management Plan
IWULA	Integrated Water Use Licence Application
MP	Mining Permit
SMP	Stormwater Management Plan
WL	Waste Licence
WULA	Water Use Licence Application



EMG

**ENVIRONMENTAL
MANAGEMENT
GROUP**

COMPANY DETAILS

SAMPIE VAN ROOYEN • Director | Manager

Cell: +27 83 678 3032 | **Email:** svr@envmgrp.com

CW VERMEULEN • Director

Cell: +27 82 824 9308 | **Email:** cwv@envmgrp.com

LUCILE STAAT • Director

Cell: +27 82 065 8624 | **Email:** lucile@envmgrp.com

ENVIRONMENTAL MANAGEMENT GROUP (PTY) LTD.

BLOEMFONTEIN: 41 Laan Sonder Naam, Groenvlei, Bloemfontein, 9301

Tel: +27 51 412 6350 | **Fax:** +27 51 415 6351

PARYS: Farm Damlaagte No. 229/RE, Vaal Eden District, Parys, 9585

Website: www.envmgrp.com

Company Registration: 2017/077689/07

Tax Clearance Certificate Nr: 0700/2/2017/A000989222

Income Tax Number: 9681968161

VAT Number: 4350278778