

**APPLICATION FOR AMENDMENT OF
AUTHORISATION
IN TERMS OF THE
NATIONAL ENVIRONMENTAL
MANAGEMENT ACT, 1998
(ACT 107 OF 1998)**

**ENVIRONMENTAL MANAGEMENT
PROGRAM**

**PROJECT:
ROSSLYN HUB:**



Environmental Consultant:

TEKPLAN

(Reg. No. 2000/019116/23)

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APRIL 2021

ENVIRONMENTAL MANAGEMENT PROGRAMME

1. DETAILS OF PERSON WHO PREPARED THE ENVIRONMENTAL MANAGEMENT PROGRAMME

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2. INTRODUCTION

In terms of the National Environmental Management Act of 1998 (Act No. 107 of 1998) activities related to the handling and storage of dangerous goods may have an impact on the environment and it is imperative that precautions be taken to ensure that environmental damage is minimised. The purpose of the Environmental Management Programme (EMPr) is to give effect to precautionary measures, which are to be put in place for controlling the activities that take place on site during the construction & operational phases of a project and to serve as a working document concentrating specifically on certain activities with the purpose of reducing the danger of adverse impacts or effects on the environment.

Mitigation measures encompass all actions taken to eliminate, offset or reduce potentially adverse environmental impacts to acceptable levels. Mitigation seeks to find better ways of doing things, minimise or eliminate negative impacts, enhance project benefits and protect public and individual rights. The applicant/proponent has a responsibility to avoid or minimise impacts, and plan for managing impacts.

The EMPr specifies procedures and practices, which should be implemented during construction activities, and monitored by an Environmental Control Officer (ECO) appointed by the applicant.

The objectives of the EMPr are to:

- Ensure that all pertinent environmental issues and the concerns of GDARD are addressed;
- Determine environmental conditions and sensitivities of the site and areas outside that may be impacted on by the project;
- Ensure acceptability of design and construction practices with respect to identified impacts and prescribed mitigation measures;
- Provide strategies for obtaining and/or complying with all environmental approvals, permits and agreements, and to provide a monitoring program;
- Integrate environmental strategies with all design and construction work; and
- Provide input and strategies for environmental quality control and risk management during all phases of the project.

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The EMPr presented here incorporates these components through the environmental design criteria and specifications for filling stations. To ensure the effective implementation of these criteria and specifications, Rosslyn Hub Development Company (Pty) Ltd must be committed to undertaking a program of environmental monitoring during the construction phase. An ECO must provide this service to the applicant. The ECO should ensure compliance with the requirements of the EMPr.

3. PROJECT DESCRIPTION

The project involves the construction of a filling station with the storage capacity of 78 cubic metres on Erven 3282 & 3283 Rosslyn Extension 52.

The proposed filling station will consist of the following tanks:

- 2x 23 000 litre tanks for petrol
- 1x 23 000 litre tank for diesel
- 1x 9 000 litre tank for diesel

4. DEFINITIONS

In this document, unless the context requires otherwise -

→ **Pre-construction**

Involves all facets for the preparation of the site for construction.

→ **Construction**

For the purpose of this document construction is defined as the erection of cellular structures and the installation of electronic equipment.

→ **Post-construction / Operational**

This phase includes the take-over of the site by the service provider and the period during which the structure is operational.

→ **Decommissioning Phase**

This phase includes dismantling of the cellular structure and the removal of equipment.

5. THE CONTRACT

The EMPr shall form part of the legal contract between Rosslyn Hub Development Company (Pty) Ltd, the contractor and the subcontractors. Vodacom shall build the EMPr into all contracts and commit the contractors to make the EMPr part of any works subcontracted. Failing to adhere to the EMPr requirements shall lead to severe penalties to be levied against the contractor and/or subcontractors.

A commitment from Rosslyn Hub Development Company (Pty) Ltd and its contractors and subcontractors are required on the following issues:

- Always behave professionally on and off site;
- Ensure quality of work done, technical and environmental;
- Resolve problems and claims arising from construction and/or maintenance damage immediately to ensure a smooth flow of operations;

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- To use this EMPr for the benefit of all involved;
- To preserve the natural environment by limiting destructive actions on site;

An agreement is to be signed by the contractors and/or subcontractors that:

- He knows and understands the contents of the EMPr;
- He is able and shall comply with all legislation pertaining to the nature of the work to be done and all things incidental thereto.

Rossllyn Hub Development Company (Pty) Ltd will institute contractual measurements to ascertain that its contractors and/or subcontractors and representatives adhere to the environmental obligations agreed upon.

6. ENVIRONMENTAL CONSTRUCTION SUPERVISION

An Environmental Control Officer (ECO) must be appointed to ensure that construction activities associated with the establishment of a base station will comply with environmental specifications and regulatory requirements, thus minimizing adverse biophysical and social impacts and resulting liabilities.

During construction, the ECO's key responsibility will be to ensure that the environmental management measures, controls, and specifications are properly implemented as per the terms and conditions issued by GDARD. Responsibilities will include:

- Delivering environmental education and awareness to construction staff prior to and during on-site works;
- Providing technical assistance on environmental matters to construction staff;
- Inspecting all activities during construction to ensure compliance with terms and conditions of approvals; and
- Documenting construction activities by notes and photographs.

7. ENVIRONMENTAL SPECIFICATIONS AND CONDITIONS

To assist in complying with the applicable national and municipal laws, regulations, permits, licenses and approvals, the following Environmental Specifications and Conditions have been drafted. These specifications are not exhaustive and are meant to clarify various regulatory requirements. In the event of a discrepancy between these guidelines and legislation and/or regulations, the latter shall apply or if regulations or laws are amended, the amended regulations may apply.

7.1 General Obligations during the Pre-Construction and Construction Phase

7.1.1 IMPACT: Infrastructure quality			
Activity	Mitigation Measures	Responsible	Time Frame
Specification of the design and materials to be utilised	The specification of the design and materials to be utilised in the construction of the filling station must comply with the minimum specification requirements as prescribed by the South African Bureau of Standards (SABS).	Developer and contractor responsible for construction	During planning/pre-construction phase

7.1.2 IMPACT: Infrastructure requirements specified in the Environmental Authorisation			
Activity	Mitigation Measures	Responsible	Time Frame
Requirements and recommendations specified in the Environmental Authorisation	The site must be positioned and designed in accordance with the specific conditions as set out in the Environmental Authorisation. The contractor shall observe all requirements and recommendations specified in the Environmental Authorisation.	Developer and contractor responsible for construction	During planning/pre-construction phase

7.1.3 IMPACT: Dust, Noise and Water Pollution			
Activity	Mitigation Measures	Responsible	Time Frame
Earthworks and vegetation clearance	<p>Affected parties on or in the vicinity of the site, including in particular surrounding landowners and any official responsible for existing installations on the site, shall be advised in advance of unavoidable disturbances.</p> <p>Activities that generate unavoidable disturbances through the creation of noise or dust must be limited to normal working hours in order to avoid complaints by the</p>	Contractor responsible for construction	During planning/pre-construction phase & construction phase

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	<p>surrounding landowners. The contractor shall address any complaints.</p> <p>The contractor shall identify any water resource in the proximity of the site and shall ensure that drainage from construction areas is such that the clarity and quality of water is in no way affected by construction activities.</p>		
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7.1.4 IMPACT: Protection of Flora and Fauna			
Activity	Mitigation Measures	Responsible	Time Frame
Disturbance of fauna and flora by construction activities	Trampling and disturbance associated with construction activities should be limited to within five metres of the footprint of the site. Ensure minimal disturbance to the natural flora and fauna of the area.	Contractor responsible for construction	Construction phase

7.1.5 IMPACT: Litter			
Activity	Mitigation Measures	Responsible	Time Frame
Littering by construction workers and construction debris	The contractor shall not permit work teams to litter tins, paper, glass etc. and construction debris. On completion of the project all litter and construction debris shall be removed from the site immediately. Under no circumstances shall litter and debris be buried or hidden on or near the site after project completion.	Contractor responsible for construction	Construction phase

7.1.6 IMPACT: Blasting			
Activity	Mitigation Measures	Responsible	Time Frame
Blasting	<p>The Contractor shall notify residents should blasting be required and shall adhere to the requirements of the Explosives Act, 1956. Notices shall be placed on site in order to inform the adjacent owners of blasting activities and the contractor shall give all potentially affected parties notice of his intent to execute any blasting work. Blasting will be done at appropriate times of the day to ensure that noise disturbance and vibrations are kept to a minimum, and blasting will be undertaken using appropriate techniques.</p> <p>The contractor will be bound to ensure that blasting operations do not cause damage to property. The contractor shall also be obliged to ensure that the dangers of fly rock to people and properties are eliminated. The contractor shall keep a photographic record of the condition of the affected buildings or structures and shall acquire the signature of the surrounding owners/occupants agreeing to the condition of the structures.</p>	Contractor responsible for construction/sub-contractor responsible for blasting	Construction phase

7.1.7 IMPACT: Excavations			
Activity	Mitigation Measures	Responsible	Time Frame
Earthworks	Unless otherwise specified by the Environmental Control Officer, topsoil shall be stockpiled separately from the base course material. Fill slopes are to be allowed to slump to their naturally occurring slope and cut embankments are to be cut back to a 1:3 slope. All slopes are to be covered by	Contractor responsible for construction	Construction & Rehabilitation phase

	a minimum of 200mm depth of topsoil during the rehabilitation phase of the project.		
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7.1.8 IMPACT: Surfacing material			
Activity	Mitigation Measures	Responsible	Time Frame
Surfacing	Surfacing material selected shall be compatible with the surrounding environment.	Contractor responsible for construction	Construction & Rehabilitation phase

7.1.9 IMPACT: Historical Sites and Objects			
Activity	Mitigation Measures	Responsible	Time Frame
Earthworks and vegetation clearance	<p>If a seemingly historical object, gravestone, geological feature or other distinguishable area of disturbance is observed on the site, the said object or area shall not be removed or tampered with.</p> <p>Archaeological monitoring of the site during earthworks to record and document sub-surface stratified cultural deposit.</p> <p>The contractor shall immediately report the presence of seemingly historical sites and objects to the developer and to the South African Heritage Resources Agency (SAHRA).</p>	Developer and contractor responsible for construction	During pre-construction phase & construction phase

7.1.10 IMPACT: Site Access Road			
Activity	Mitigation Measures	Responsible	Time Frame
Construction vehicles making use of the access	Vehicles are to make use of the existing access road to the site as far as possible.	Contractor responsible for construction	Construction phase

road to the construction site	<p>Access to the site used by the contractor shall be maintained during construction to avoid dust.</p> <p>The area affected by the access road, turning circles and parking of vehicles around the site shall be minimised. Vehicles shall adhere to the designated roads and areas and not be allowed to depart from it. The contractor shall implement the rehabilitation of the area affected by the construction vehicles.</p>		
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7.1.11 IMPACT: Stormwater Management

Activity	Mitigation Measures	Responsible	Time Frame
Stormwater Management	<p>Before the commencement of construction, the ECO shall indicate which stormwater measures should be applied during the construction of the filling station and associated infrastructure.</p> <p>During construction and particularly during the rainy season, berm walls shall be installed around the stockpiled areas on the site to prevent stormwater depositing this material onto adjacent properties or roads.</p> <p>The contractor and subcontractors shall adhere to the recommendations of the ECO and the design specifications.</p>	ECO and contractor responsible for construction	During planning/pre-construction phase & construction phase

7.1.12 IMPACT: Foundation Preparation

Activity	Mitigation Measures	Responsible	Time Frame
Foundation Preparation	Material emanating from the excavation of foundations should be stockpiled for later use in the rehabilitation of the	Contractor responsible for construction	Construction & Rehabilitation phase

	<p>site. When casting concrete foundations, care must be taken to avoid spilling concrete on the site. Any material spilled must be collected and disposed of with the other waste from the site.</p> <p>Ensure that no erosion of the foundation takes place, especially if gravel is used beyond the perimeter of the fence for the levelling of the foundation. All fill originating from the site shall be levelled and incorporated into the surroundings and rehabilitated in such a way that it blends in with the surrounding natural environment. All excess construction material shall be removed from the site by the contractor and disposed to a previously identified waste disposal site as approved by the ECO.</p>		
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7.1.13 IMPACT: Herbicides and Insecticides			
Activity	Mitigation Measures	Responsible	Time Frame
Use of herbicides and insecticides to protect the installations	<p>Should it be necessary to make use of herbicides and insecticides to protect the installations, the application of such chemicals shall be restricted to the base station site.</p> <p>The application of the herbicides and insecticides shall be done in accordance with the stipulations of The Fertilizers, Farm Feeds, Agricultural Remedies and Stock Remedies Act No 36 of 1947.</p> <p>The contractor applying any herbicides and insecticides shall be in possession of a Pest Control Operator (PCO) license.</p> <p>The application of the chemicals shall not exceed the prescribed dosage for the specific product used.</p>	Contractor responsible for construction	Construction phase

	In all instances the application of the herbicides and insecticides should be of such nature that it will not cause any environmental harm.		
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7.1.14 IMPACT: Fencing and Security of the Sites			
Activity	Mitigation Measures	Responsible	Time Frame
Fencing and Security of the Sites	When required in terms of the Specific Conditions of the Environmental Authorisation a security fence shall be erected around the site. Lighting of the site shall be done in such a way that it will not be an inconvenience to surrounding landowners.	Contractor responsible for construction	Construction phase

7.1.15 IMPACT: Sourcing Materials from the Site			
Activity	Mitigation Measures	Responsible	Time Frame
Sourcing Materials from the Site	The contractor shall store sand, stone and cement in a demarcated area and care shall be taken not to allow any materials to spill beyond the site. Concrete mixing shall take place in a defined area and on top of boarding or sheeting so as to protect the ground. These boards and/or sheeting shall be removed from the site once the mixing is complete. Any spillage or overrun of material, which may occur, must be cleaned and removed from the site by the contractor.	Contractor responsible for construction	Construction phase

7.1.16 IMPACT: Chemical, Fuel, and Oil Handling			
Activity	Mitigation Measures	Responsible	Time Frame
Chemical, Fuel, and Oil Handling	<p>All Contractors shall ensure that an emergency cleanup program is in place in event of an accidental spill or leak of fuel, oil or chemicals.</p> <p>Spillage of oil from crankcase oil draining or other such activities shall be prevented. If an accident occurs and fuels, oils or chemicals are spilled or dumped on the ground, the affected soil shall be removed, placed in drums and disposed of in compliance with national legislation.</p> <p>Disposal and storage of materials such as water, rags, and pads, containing oils, filters, chemicals, liquid fuels, lubricating oils, or other potentially hazardous materials shall be in a manner satisfactory to the ECO.</p> <p>Hazardous chemicals, fuels, and other noxious or toxic substances shall be stored in covered containers in fenced areas for security reasons.</p>	Contractor responsible for construction	Construction phase

7.1.17 Priming and Painting			
Activity	Mitigation Measures	Responsible	Time Frame
Priming and Painting	Care must be taken by the contractor to avoid the spillage of painting and solvent material on site. Adequate containers for cleaning of equipment and for the storage of waste products must be provided and all waste products resulting from the painting operation must be entirely removed from the site by the contractor.	Contractor responsible for construction	Construction phase

7.1.18 IMPACT: Servicing of Vehicles and Equipment on Site			
Activity	Mitigation Measures	Responsible	Time Frame
Servicing of Vehicles and Equipment on Site	No servicing of vehicles is to be permitted on site. Servicing of equipment may take place on site but only when unavoidable, such as generators. In this case, all steps must be taken to ensure that no oil is spilt and that all waste, such as filters, is removed from the site and disposed in an environmentally legal manner.	Contractor responsible for construction	Construction phase

7.1.19 IMPACT: Noise from generator			
Activity	Mitigation Measures	Responsible	Time Frame
Temporary Power Supply	Should a generator be deployed, such generator shall comply with the maximum noise levels as stipulated in the Noise Control Regulations published under the Environment Conservation Act, 1989 (Act No 73 of 1989)	Contractor responsible for construction	Construction phase

7.1.20 IMPACT: Fires			
Activity	Mitigation Measures	Responsible	Time Frame
Fires	No open fires shall be allowed in the veld under any circumstances. The contractor shall ensure that adequate firefighting equipment, fit for purpose and reasonable in the circumstances, is available on site at all times. All personnel on the site shall be trained in the use of such equipment.	Contractor responsible for construction	Construction phase

7.1.21 IMPACT: Cooking and Washing Facilities			
Activity	Mitigation Measures	Responsible	Time Frame
Cooking and Washing Facilities	Ensure that safe and adequate provisions are made for the contractor's personnel to cook and wash without creating risks of fire and water pollution. If methane gas is used, care should be taken to ensure that no leakage or risk of explosion exists.	Contractor responsible for construction	Construction phase

7.2 Construction Camp

The contractor shall pay specific attention to the following aspects:

7.2.1 IMPACT: Staff Facilities			
Activity	Mitigation Measures	Responsible	Time Frame
Construction camp	Define the area of the construction camp and place it so as to have minimal impact on the environment.	ECO and contractor responsible for construction	During planning/pre-construction phase & construction phase

7.2.2 IMPACT: Workers Accommodation			
Activity	Mitigation Measures	Responsible	Time Frame
Workers Accommodation	Make suitable arrangements for accommodating the workers in a designated area that has been approved by the landowner and ECO.	Contractor responsible for construction	During planning/pre-construction phase & construction phase

7.2.3 IMPACT: Ablution Facilities			
Activity	Mitigation Measures	Responsible	Time Frame
Ablution Facilities	Should existing toilet facilities not be available on or near the construction site, such facilities shall be supplied and maintained for the use of the contractor's staff. Regular inspections shall be carried out to ensure toilets are kept in a hygienic state. Toilet paper shall be supplied to all toilets. Staff shall be advised to the fact that they should use these toilets at all times.	Contractor responsible for construction	Construction phase

7.2.4 IMPACT: Security and Privacy of surrounding properties			
Activity	Mitigation Measures	Responsible	Time Frame
Activities of construction workers	During the construction period the inconvenience to the surrounding property owners should be kept to an absolute minimum. The management of workers during construction is essential to avoid intrusion of people's privacy and properties. Define the area of the construction camp in such a manner as to limit the movement of site personnel.	Contractor responsible for construction	Construction phase

7.2.5 IMPACT: Water Supply			
Activity	Mitigation Measures	Responsible	Time Frame
Water Supply	Agree upon the source of water supply with the ECO and the landowner.	Contractor responsible for construction	During planning/pre-construction phase & construction phase

7.2.6 IMPACT: Solid Waste Disposal			
Activity	Mitigation Measures	Responsible	Time Frame
Solid Waste Disposal	Agree upon the method of waste disposal with the ECO. Particular attention shall be given to the disposal of solvents and other products used in the painting as well as any plastic components used in electrical wiring. The collection point for waste material shall be an enclosed structure to eliminate the risk of wind scatter. All waste must be disposed to a previously identified, registered or permitted waste disposal site.	Contractor responsible for construction	During planning/pre-construction phase & construction phase

7.3 Post-Construction and Operational Phases

This phase will determine the ultimate success of the implementation of the management proposals of the EMPr. A post construction environmental audit is to be conducted by the ECO in order to ensure that all conditions of the EMPr have been adhered to.

7.3.1 IMPACT: Servicing and Maintenance			
Activity	Mitigation Measures	Responsible	Time Frame
Servicing and Maintenance	Herbicides and Insecticides should be applied according to the specifications of this EMPr and within the prescribed dosage. Existing access roads to the site shall be used. Where such roads have been damaged by erosion, repairs shall be undertaken to avoid further damage of the road and the surrounding environment.	Contractor responsible for maintenance of the site	Post-Construction and Operational Phases

7.3.2 IMPACT: Increased traffic volumes due to delivery activities			
Activity	Mitigation Measures	Responsible	Time Frame
Increased traffic volumes due to delivery activities	Dedicated access routes to be identified for delivery vehicles. All drivers of vehicles involved in delivery activities should adhere to traffic regulations.	Suppliers and contractors	Operational Phases

7.3.3 IMPACT: Air pollution and dust			
Activity	Mitigation Measures	Responsible	Time Frame
Air pollution and dust	Always check caps, flanges and sealed connections for any leakages. Check the vent pipes are not blocked. The impact of vent gases from vent pipes and the interceptor chamber is minimised through positioning of the vent pipes at a point remote from all buildings and neighbouring property boundaries. Supervise fuel deliveries. The site must be paved to prevent dust pollution.	Site Owner	Operational Phases

7.3.4 IMPACT: Noise			
Activity	Mitigation Measures	Responsible	Time Frame
Noise	Dedicated access routes to be identified and communicated to drivers of construction/delivery vehicles. Adjacent residents to be informed of unusually noisy activities that will be undertaken.	Site Owner	Operational Phases

	Works instructions to be issued regarding minimisation of noise to all workers (especially those using noisy equipment).		
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7.3.5 IMPACT: Solid waste			
Activity	Mitigation Measures	Responsible	Time Frame
Solid waste	<p>All waste material must be contained and disposed of according to the relevant legal requirements. Waste must be stored in such a manner that no pollution of the environment occurs at any time.</p> <p>All domestic waste generated must be disposed of in a proper manner at the Local Authorities Municipal Landfill site (i.e. no burial on site).</p> <p>All accumulated and surplus material must be disposed of in a suitable place and manner to prevent translocation of invasive plant species, modification of drainage and contamination of surface water.</p> <p>Hydrocarbon (oil, diesel, petrol) waste as well as all hydrocarbon contaminated material must be regarded as hazardous waste and separated from general waste. Hazardous waste must be disposed at Holfontein, which is registered as a hazardous waste disposal site.</p> <p>Spill cleanup kits and absorbent material must be kept on site to assist in immediate cleanup of any hazardous material spills.</p>	Proponent and site engineer	Operational Phases

7.3.6 IMPACT: Underground water quality			
Activity	Mitigation Measures	Responsible	Time Frame
Underground water quality	<p>Check the fuel in all underground fuel tanks and report suspected leaks immediately.</p> <p>Check if water has entered underground tank.</p> <p>Regular monitoring (three-monthly) of the monitoring wells must be undertaken to prevent pollution. Records of monitoring must be kept and made available to the Department of Water and Sanitation (DWS) on request. Should contamination be detected, monitoring must be extended to the monitoring boreholes as identified during the hydro census. If contamination is detected in the extended borehole survey, a rehabilitation plan must be compiled and executed.</p> <p>There is a borehole on site and special care must be taken for any negative impacts on the underground water.</p> <p>Monthly stock reconciliations must be taken and reported monthly to DWS.</p> <p>The leak detectors must be regularly tested and records kept.</p> <p>All machinery must be maintained in good working order as to prevent soil or water pollution from oil, fuel or other leaks.</p>	Proponent and site engineer	Operational Phases

7.3.7 IMPACT: Effluent handling			
Activity	Mitigation Measures	Responsible	Time Frame
Effluent handling	<p>Clean and dirty water systems must be separated to prevent contaminated run-off from entering the surface and groundwater and soil.</p> <p>The effluent from the driveway area around the diesel dispensers / dispensing pumps must not flow to the street,</p>	Proponent and site engineer	Operational Phases

	<p>or into watercourses or into storm water systems without first passing through a gravity-separator.</p> <p>All waste oils, greases, fuels etc. must be collected and disposed of in an appropriate manner off site. The contents of grease traps or other waste oil, grease and/or fuel disposal/storage containers must under no circumstances be voided to the surrounding area.</p> <p>Provide clean-up equipment specifically designed to deal with regular, small spills that occur.</p> <p>Develop a step-by-step clean-up guide to using the spill kit.</p> <p>Train all staff in the emergency response procedure. Make sure all staff know where the written procedure is kept.</p> <p>Train all staff in the emergency response procedure. Make sure all staff know where the written procedure is kept.</p> <p>All waste from the workshop must be disposed of in a suitable manner at a registered disposal site.</p> <p>Should an accidental spill event occur, the effluent must be contained as far as possible in the separator pit. If there is a risk that the sump could overflow (such as in a storm event) then the spilled material must be stored in a tanker or other appropriate container until it can be treated and disposed of.</p>		
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7.4 Decommissioning Phase

7.4.1 IMPACT: Decommissioning of the site			
Activity	Mitigation Measures	Responsible	Time Frame
Decommissioning of the filling station	Should the filling station be decommissioned this process shall comply with the stipulations of the Occupational Health and Safety Act, 1993 (Act 85 of 1993). The	Proponent and contractor responsible for decommissioning of the filling station	Decommissioning Phase
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	<p>decommissioned structures shall be removed from the site.</p> <p>When the filling station is no longer required, the area shall be rehabilitated to conform to the immediate surrounding environment.</p>		
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7.5 Amendments to the EMPr

Any issues that may arise during the construction or operational phase which are not covered in this EMPr shall be addressed as addendums to the EMPr and submitted for approval prior to implementation.

8. ENVIRONMENTAL MONITORING

The roles and responsibilities of the project manager must include:

- Ensuring that the necessary environmental authorisations (EA) and licenses have been obtained by the applicant.
- Monitoring and verifying that the EMPr is adhered to at all times and taking actions if the specifications are not followed.
- Monitoring and verifying that environmental impacts are kept to the minimum.
- Assisting in finding environmentally responsible solutions to environmental problems.
- Giving a report back on the environmental issues at the monthly site meeting and other meetings that may be called regarding environmental matters.
- Keeping record of all activities/incidences on site in the site diary concerning the environment.
- Inspecting the site and surrounding areas regularly with regard to compliance with the EMPr.
- Keeping a register of complaints and recording and dealing with any community complaints or issues (if applicable).
- Training for all new personnel on site.
- Ensuring that activities on site comply with other relevant environmental legislation.
- Issuing of warnings for contravention of the EMPr.
- Compile a monitoring checklist.
- Keep a photographic record of progress on site from an environmental perspective.
- Keeping accurate and detailed records of inspections.

9. ENVIRONMENTAL AWARENESS PLAN

The goal of the awareness plan is to help employees make environmentally-conscious decisions in the work place and in their private lives.

The description below illustrates the manner in which:

- The applicant intends to inform his/her employees of any environmental risk which may result from their work; and
- Risks must be dealt with in order to avoid pollution or degradation of the environment.

9.1 Environmental Awareness Training

The applicant must ensure that adequate environmental awareness training of senior site personnel takes place and that all personnel receive an induction presentation on the importance and implications of the EMPr. It is the applicant's responsibility to provide the site foreman (if applicable) with no less than one hour's environmental training and to ensure that the foreman has sufficient understanding to pass the acquired information to construction workers (site

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preparation) or staff applicable. The applicant must also ensure that all site personnel have a basic level of environmental awareness.

Training topics to personnel should include:

- An explanation of the importance of complying with the EMPr.
- Discussion of the potential environmental impacts of construction and operational activities.
- The benefits of improved personnel performance.
- Employees' roles and responsibilities, including emergency preparedness.
- Explanation of the mitigation measures that must be implemented when carrying out their activities.
- Explanation of the specifics of the EMPr and its specification (no-go areas etc.)
- Explanation of the management structure of individuals responsible for matters pertaining to the EMPr.

9.2 Methods of informing personnel

The project manager can use the following methods to inform personnel (where applicable):

- Use translators where necessary
- The use of pictures and real life examples are encouraged as these tend to be more easily remembered.
- Make use of environmental awareness posters.
- Make construction workers aware that they are not to make excessive noise.
- Explain the "clean site" policy.

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Company Profile

TEKPLAN 

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Environmental Consultants

THE AREAS IN WHICH TECOPLAN RENDERS SERVICES

TEKPLAN (TECOPLAN) has offices in Polokwane. TEKPLAN acts as Environmental consultants to various agents/agencies involved in development.

BEE PROFILE

TEKPLAN has a level 4 BEE classification.

SERVICES

The company specialises in the following work:

- a) CONDUCTING OF APPLICATIONS FOR AUTHORISATION IN TERMS OF THE NATIONAL ENVIRONMENTAL MANAGEMENT ACT (ACT 107 OF 1998)**
- b) WATER USE LICENSING TERMS OF SECTION 21 OF THE WATER ACT 1998**
- c) WASTE LICENSE APPLICATIONS - LICENCES IN TERMS OF THE NATIONAL ENVIRONMENTAL MANAGEMENT: WASTE ACT, 2008 (NO. 59 OF 2008)**

- d) AIR QUALITY - REGISTRATION CERTIFICATES IN TERMS OF THE RELEVANT SECTIONS OF THE NATIONAL ENVIRONMENTAL MANAGEMENT: AIR QUALITY ACT (ACT 39 OF 2004) - ACTIVITIES LISTED IN SECTION 21 OF THE NEM: AQUA (GAZETTE 33064, GN248 OF 31 MARCH 2010)**
- e) ENVIRONMENTAL COMPLIANCE MONITORING (ACTING AS ENVIRONMENTAL CONTROL OFFICER DURING CONSTRUCTION PHASES)**
- f) MINING PERMIT APPLICATIONS (SPECIALIZING IN BORROW PITS)**
- g) FORESTRY LICENCE APPLICATIONS (PERMITS FOR REMOVAL/CUTTING OF PROTECTED TREES)**

ESTABLISHMENT

TECOPLAN is a company established in 2000 and specialises in all aspects related to the fields of Environmental Management and Urban planning.

POLICY OF THE COMPANY

- ❖ Serving the community of which we are members.**
- ❖ Believing in community participation, capacitating the beneficiary communities and assisting communities to manage their own resources (natural, social, human, technological and economic).**
- ❖ Pro-actively promoting a free and just South Africa, rectifying the imbalances created by the previous policies – fully embracing the principles of “affirmative action”.**

- ❖ **Adapting our approach to services delivery in order to provide in the needs and aspirations of the local communities.**
- ❖ **Supporting a multi-disciplinary approach to Environmental Analysis and Management in order to ensure sustainability of all developmental actions.**
- ❖ **Using all available regulatory, self-regulatory and market-based tools in appropriate combinations to effect desired outcomes.**

EXPERTISE EMPLOYED BY TECOPLAN

TECOPLAN consist of various individuals who are suitably qualified. TECOPLAN has several professionally qualified persons as well as supporting technical personnel in its service.

CURRICULUM VITAE

THEO KOTZE

DIRECTOR

POSITION:

**PLANNER & ENVIRONMENTAL
CONSULTANT**

**COUNTRY &
DATE OF BIRTH:**

RSA, 3 APRIL 1970

SPECIALISATION:

**Urban and Regional Planning AND
Environmental Management & Analysis**

**ACADEMIC
QUALIFICATIONS:**

**Masters Degree in Environmental
Management & Analysis
Potchefstroom University for Christian
Higher Education.
B.Art et Scientae (Planning)
Potchefstroom University for Christian
Higher Education, 1992.**

**PROFESSIONAL
AFFILIATIONS:**

**Certified Environmental Assessment
Practitioner, ICB for EIA's.**

**Registered Professional Town and
Regional Planner: Council for Town and
Regional Planners.
Member: South African Planning Institute
Member: International Association for
Impact Assessment South Africa**

**HOME LANGUAGE:
OTHER LANGUAGES:**

**Afrikaans
English**

ABILITIES:

- Giving notice of intended developments and handling any objections that might be raised against applications (several large public consultation processes have been conducted by the applicant);
- the compilation memoranda/reports on proposed development projects (multi-disciplinary reports);
- convening and managing multi-disciplinary project teams involved in the various aspects of development projects e.g. environmental assessment, civil engineering, land surveying, electrical engineering, land surveying, legal procedures (attorney), geo-hydrological/geotechnical inputs, transportation inputs etc;
- conducting of land use surveys and socio-economic surveys as it related to a number of different studies;
- obtaining of information from line departments, regarding existing levels of services, existing infrastructure and intended new developments/initiatives underway etc;
- analysing the viability of proposed projects/developments (e.g. office, industrial, commercial development), in terms of sound planning norms and criteria;
- draughting of a range of different layout plans on a Computer Aided Design software programme;
- obtaining inputs/comments from affected parties and relevant line departments on proposed developments as part of the process of obtaining statutory approval to commence with proposed activities e.g. township developments;
- negotiating with local authorities regarding environmental constraints, proposed zonings, engineering requirements etc. as part of the process of obtaining statutory approval to commence with proposed activities e.g. township developments.
- due to experience obtained from the Masters degree course at Potchefstroom University T.E. Kotze is competent in,
 - environmental law,
 - formal environmental management systems,
 - conducting of EIA's,
 - conducting of environmental assessments of a strategic nature,
 - the application of other IEM tools.
- T.E. Kotze has completed a Computer Aided Design course and is fully conversant in the use of CAD for design purposes. T.E. Kotze is also fully conversant in the use of spreadsheets (e.g. MS Excel).

MEMBERSHIP OF, AND/OR POSITION WITH OTHER PROFESSIONAL BODIES AND ORGANISATIONS

- Certified Environmental Assessment Practitioner with the Certification Board for Environmental assessment practitioners (1993)
- Member of the International Association of Impact Assessment (South Africa). Since 2000.
- Registered as a professional "Town & Regional Planner" in terms of the requirements of the Act on Town- and Regional Planners, 1984 (since April 1998).
- Corporate Member of the South African Planning Institute (since July 1996).
- Member of the SAACPP.
- Chairperson, International Association of Impact Assessment (South Africa), Limpopo chapter.

ANTON VON WELL**ENVIRONMENTAL PRACTITIONER**

POSITION: ENVIRONMENTAL CONSULTANT

COUNTRY & DATE OF BIRTH: RSA, 23 May 1968

SPECIALISATION: Environmental Management & Analysis

ACADEMIC QUALIFICATIONS: N.H.D.P. Nature Conservation
Port Elisabeth Technicon (Saasveld),
1996.

PROFESSIONAL AFFILIATIONS: Registered Environmental Assessment
Practitioner
EAPASA Registration no: 2019/934

HOME LANGUAGE: Afrikaans
OTHER LANGUAGES: English

DANIE COMBRINK**ENVIRONMENTAL PRACTITIONER**

POSITION: ENVIRONMENTAL CONSULTANT

COUNTRY & DATE OF BIRTH: RSA, 10 October 1982

SPECIALISATION: Environmental Management & Analysis

ACADEMIC QUALIFICATIONS: B.Sc. in Geography,
University of Pretoria, 2003.
B.Sc. (HONS) in Geography (specialising
in Environmental Management),
University of Pretoria, 2004.

PROFESSIONAL AFFILIATIONS: Registered Environmental Assessment
Practitioner
EAPASA Registration no: 2019/933

HOME LANGUAGE: Afrikaans
OTHER LANGUAGES: English

NICOLE VAN ZYL

ASSISTANT

POSITION:

ASSISTANT

**COUNTRY &
DATE OF BIRTH:**

RSA, 5 January 1996

SPECIALISATION:

**General office assistance
Technical assistance**

**ACADEMIC
QUALIFICATIONS:**

**Senior Certificate 2014, Tom Naude
Technical High School**

**HOME LANGUAGE:
OTHER LANGUAGES:**

**Afrikaans
English**

REECE VAN DER MERWE

DRAUGHTSMAN / GIS SPECIALIST

POSITION:

Draughtsman/ GIS Specialist

**COUNTRY &
DATE OF BIRTH:**

RSA, 11 April 1996

SPECIALISATION:

Draughting Building Plans / GIS Maps

**ACADEMIC
QUALIFICATIONS:**

**Senior Certificate 2014, Tom Naude
Technical High School, FET
Certificate(Merit Award)
International Certificate Autodesk
AutoCad Certified User. International
Certificate Autodesk Revit Certified User.
International Certificate Autodesk
Inventor Certified User.**

**HOME LANGUAGE:
OTHER LANGUAGES:**

**Afrikaans
English**

PROJECTS:

I was appointed to act as an EAP for all the below projects.

As an EAP was I responsible for the following duties:

- Initial site visit & liaison with client
 - Signing of EIA application form
 - Signing of land owner's consent form
 - Meet with Department of Environmental Affairs
 - Appoint Specialists
 - Advertisement in local newspaper that the EAP is busy with the application process
 - Notify adjacent owners
 - Notify councillor
 - Notify relevant government departments (e.g. Local Authority, Agriculture, DWS, SAHRA)
 - Advertise on site
 - Assess possible impacts on the environment
 - Compile mitigation measurements
 - Compile Basic Assessment Report / Scoping Report / Environmental Impact Assessment Report
 - Compile Environmental Program
1. Proposed cultivation project on the farms Toby 601 MS, Afstap 608 MS and Bruilof 598 MS – Makhado Local Municipality, Limpopo Province: Scoping / EIA Project
 2. Proposed development of a cemetery on Portion 5 of the farm Platland 401 LT – Greater Letaba Municipality: Scoping / EIA Project
 3. Proposed township establishment on Portion 3 of the farm Hanglip 508 KQ – Lephalale Local Municipality: Scoping / EIA Project
 4. Leolo Ext 2 demarcation project on the Farm Thabina Valley 13 KT – Greater Tzaneen Municipality: Scoping / EIA Project
 5. Establishment of an estate on Portion 31 of the farm Klipbank 26 JS – Elias Motswaledi Local Municipality: Scoping / EIA Project
 6. Proposed township establishment “Ga-Kgapane Ext 3 & 4” on the Remainder of the farm Mooiplaats 434 LT – Greater Letaba Municipality: Scoping / EIA Project
 7. Proposed housing project on Portion 143 of the farm Tweefontein 915 LS – Polokwane Local Municipality: Scoping / EIA Project
 8. New bulk sewer reticulation and wastewater treatment works at Makhado – Makhado Local Municipality: Scoping / EIA Project
 9. Proposed depot on Erf 2098 Pietersburg Ext 8 – Polokwane Local Municipality: Scoping / EIA Project
 10. Proposed Eco-Estate development on Portion 5 of the farm Groenfontein 207 KQ – Lephalale Local Municipality: Scoping / EIA Project
 11. Proposed Eco-Estate development on the farms Hartebeestbult 314 KQ and Kua Metswiri 597 KQ – Thabazimbi Local Municipality: Scoping / EIA Project
 12. Proposed storage of dangerous goods at PPL Mine on the farm Zwartfontein 818 LR – Mogalakwena Local Municipality: Scoping / EIA Project
 13. Proposed Housing Development on the Remainder of the farm Bacchus 592 LS – Aganang Local Municipality: Scoping / EIA Project

14. Proposed Housing Development on Portion 57 of the farm Novengila 562 LT – Greater Tzaneen Local Municipality: Scoping / EIA Project
15. Proposed Township Establishment “Ga-Kgapane Extension 3 & 4” on the Remainder of the farm Mooiplaats 434 LT – Greater Letaba Municipality: Scoping / EIA Project
16. Proposed Tswinga Housing Project on the farm Mpapuli 278 MT – Thulamela Local Municipality: Scoping / EIA Project
17. Proposed filling station on Erf 276 Ga-Kgapane Extension 6 – Greater Letaba Local Municipality: Scoping / EIA Project
18. Proposed Ehrenbreitstein Eco Estate Development on Portion 5 of the farm Ehrenbreitstein 525 LQ – Lephalale Local Municipality: Scoping / EIA Project
19. Proposed Juicing Facility on the Remainder of Portion 68 (a portion of Portion 45) of the farm Grovedale 239 KT – Maruleng Local Municipality: Scoping / EIA Project
20. Proposed Eco Estate on the farm Bivack 14 MR – Lephalale Local Municipality: Scoping / EIA Project
21. Proposed Eco-Estate on Portion 5 of the farm Groenfontein 207 KQ – Lephalale Local Municipality: Scoping / EIA Project
22. Proposed Eco-Estate on the Remainder of Portion 158 of the farm Guernsey 81 KU and Portion 19 of the farm Fleur de Lys 194 KU – Maruleng Local Municipality: Scoping / EIA Project
23. Proposed Eco-Estate on the farm Kruidfontein 1 MR – Musina Local Municipality: Scoping / EIA Project
24. Proposed Residential Housing Project on Portions 14, 15, 16 and 18 of the farm Lisbon 288 KR – Mogalakwena Local Municipality: Scoping / EIA Project
25. Proposed ATC mast on Portion 9 of Erf 1459 Warmbad Ext 20 – Bela-Bela Local Municipality: Basic Assessment Report Project
26. Proposed ATC mast on Erf 1394 Warmbad Ext 20 – Bela-Bela Local Municipality: Basic Assessment Report Project
27. Proposed ATC mast on the Remainder of Portion 147 of the farm Roodekuil 496 KR – Bela-Bela Local Municipality: Basic Assessment Report Project
28. Proposed ATC mast on Erf 1499 Warmbad Ext 26 – Bela-Bela Local Municipality: Basic Assessment Report Project
29. Proposed ATC mast on Portion 1 of Erf 1450 Warmbad Ext 20 – Bela-Bela Local Municipality: Basic Assessment Report Project
30. Proposed Vodacom mast on Portion 144 of the farm Hoedspruit 82 KU – Maruleng Local Municipality: Basic Assessment Report Project
31. Proposed Vodacom mast on Erf 314 Phalaborwa – Ba-Phalaborwa Local Municipality: Basic Assessment Report Project
32. Proposed Vodacom mast on Erf 1639 Westenburg Ext 3 – Polokwane Local Municipality: Basic Assessment Report Project
33. Proposed Vodacom mast on Portion 15 of the farm Epsom 189 KT – Maruleng Local Municipality: Basic Assessment Report Project
34. Proposed Vodacom mast on Portion 36 of the farm Baberspan 309 IO in the Delareyville area – Tswaing Local Municipality: Basic Assessment Report Project
35. Proposed Vodacom mast on Portion 13 of the farm Bokkraal 344 JP – Ramotshere Moiloa Local Municipality: Basic Assessment Report Project
36. Proposed Vodacom mast on the Remainder of the farm Doornkraal 110 JP – Ramotshere Moiloa Local Municipality: Basic Assessment Report Project

37. Proposed Vodacom mast on Portion 35 of the farm Koedoesfontein 291 JP – Ramotshere Moiloa Local Municipality: Basic Assessment Report Project
38. Proposed Vodacom mast on Portion 10 of the farm Leeuwenkloof 480 JQ – Madibeng Local Municipality: Basic Assessment Report Project
39. Proposed Vodacom mast on Portion 79 of the farm Welgegund 491 JQ – Madibeng Local Municipality: Basic Assessment Report Project
40. Proposed Vodacom mast on Portion 72 of the farm Remhoogte 476 JQ – Madibeng Local Municipality: Basic Assessment Report Project
41. Proposed Vodacom mast on Portion 115 of the farm Bultfontein 475 JQ – Madibeng Local Municipality: Basic Assessment Report Project
42. Proposed Vodacom mast on the Remainder of the farm Bellevue 121 JO – Mahikeng Local Municipality: Basic Assessment Report Project
43. Proposed Vodacom mast on the Remainder of the farm Elba 223 JQ – Madibeng Local Municipality: Basic Assessment Report Project
44. Proposed Vodacom mast on Erf 957 Oberholzer Ext 1 – Merafong City Local Municipality: Basic Assessment Report Project
45. Proposed Vodacom mast on Portion 7 of the farm Ledig 909 JQ – Moses Kotane Local Municipality: Basic Assessment Report Project (Sun City Security)
46. Proposed Vodacom mast on Portion 7 of the farm Ledig 909 JQ – Moses Kotane Local Municipality: Basic Assessment Report Project (Sun Park)
47. Proposed Vodacom mast on Portion 1 of the farm Doornhoek 910 JQ – Moses Kotane Local Municipality: Basic Assessment Report Project (The Palace)
48. Proposed Vodacom mast on Portion 3 of the farm La Reve 39 MS – Musina Local Municipality: Basic Assessment Report Project
49. Proposed Vodacom mast on Portion 18 of the farm Schoonuitzicht 10 LT – Makhado Local Municipality: Basic Assessment Report Project
50. Proposed Vodacom mast on Portion 11 of the farm Klipfonteinhoek 407 KT - Greater Tubatse Local Municipality: Basic Assessment Report Project
51. Proposed Vodacom mast on Portion 40 of the farm Mantsole 40 JR – Bela-Bela Local Municipality: Basic Assessment Report Project
52. Proposed Vodacom mast on the Remainder of the farm Irrigasie 69 JR – Bela-Bela Local Municipality: Basic Assessment Report Project
53. Proposed Vodacom mast on Portion 3 of the farm La Reve 39 MS – Musina Local Municipality: Basic Assessment Report Project
54. Proposed Vodacom mast on the Remainder of the farm Vogelenzang 794 KS – Makhudutamaga Local Municipality: Basic Assessment Report Project
55. Proposed Vodacom mast on the Remainder of the farm California 228 KT – Greater Tubatse Local Municipality: Basic Assessment Report Project
56. Proposed Vodacom mast on the Remainder of the farm Wisconsin 420 LR – Mogalakwena Local Municipality: Basic Assessment Report Project
57. Proposed Vodacom mast on the Remainder of the farm Hackney 116 KT – Greater Tubatse Local Municipality: Basic Assessment Report Project
58. Proposed Vodacom mast on the Remainder of the farm Forrest Hill 117 KT – Greater Tubatse Local Municipality: Basic Assessment Report Project
59. Proposed Vodacom mast on the Remainder of the farm Surbiton 115 KT – Greater Tubatse Local Municipality: Basic Assessment Report Project
60. Proposed Vodacom mast on the Remainder of the farm Kia-Ora 139 JU – Mbombela Local Municipality: Basic Assessment Report Project
61. Proposed Vodacom mast on Portion 37 of the Farm Welgekozen 514 IT – Mkhondo Local Municipality: Basic Assessment Report Project

62. Proposed Vodacom mast on Portion 26 of the farm Driefontein 317 KR – Mookgophong Local Municipality: Basic Assessment Report Project
63. Proposed Vodacom mast on Erf 1614 Pretoria North – City of Tshwane Metropolitan Municipality: Basic Assessment Report Project
64. Proposed Vodacom mast on the farm Locatie van Malietzie 606 LS – Polokwane Local Municipality: Basic Assessment Report Project
65. Proposed Vodacom mast on the farm Majebeskraal 1002 LS – Polokwane Local Municipality: Basic Assessment Report Project
66. Proposed Vodacom mast on the farm Mohlele Res 865 LT – Greater Letaba Local Municipality: Basic Assessment Report Project
67. Proposed Vodacom mast on Portion 19 of the farm Wolvenkop 427 IT – Mkhondo Local Municipality: Basic Assessment Report Project
68. Proposed Vodacom mast on Portion 20 (a Portion of Portion 14) of the farm Rietfontein 286 JS – Middelburg Local Municipality: Basic Assessment Report Project
69. Proposed Vodacom mast on the farm Rietfontein 440 KT – Greater Tubatse Local Municipality: Basic Assessment Report Project
70. Proposed Vodacom mast on Portion 123 of the farm Klipdrift 90 JR – Rayton Local Municipality: Basic Assessment Report Project
71. Proposed Vodacom mast on Erf 30 Ellisrasdorp – Lephalale Local Municipality: Basic Assessment Report Project
72. Proposed Vodacom mast on the farm Zilverkop 25 IT – Thulamela Local Municipality: Basic Assessment Report Project
73. Proposed Vodacom mast on Erf 470 Pietpotgiersrust – Mogalakwena Local Municipality: Basic Assessment Report Project
74. Proposed Vodacom mast on the farm Goedgedacht 836 KS – Makhudutamaga Local Municipality: Basic Assessment Report Project
75. Proposed Vodacom mast on Erf 774 Brooklyn – City of Tshwane Metropolitan Municipality: Basic Assessment Report Project
76. Proposed Vodacom mast on Erf 71 Verwoerdburgstad – City of Tshwane Metropolitan Municipality: Basic Assessment Report Project
77. Proposed Vodacom mast on the Farm Vergelegen 819 KS – Makhudutamaga Local Municipality: Basic Assessment Report Project
78. Proposed Vodacom mast on Portion 3 of Townlands Piet Retief 149 HT – Mkhondo Local Municipality: Basic Assessment Report Project
79. Proposed Vodacom mast on Erf 231 Rosslyn East – City of Tshwane Metropolitan Municipality: Basic Assessment Report Project
80. Proposed Vodacom mast on Erf 5661 Pietersburg – Polokwane Local Municipality: Basic Assessment Report Project
81. Proposed Vodacom mast on the farm Eensgevonden 119 JS – Elias Motsoaledi Local Municipality: Basic Assessment Report Project
82. Proposed Vodacom mast on the farm Kromelleboog 132 KT – Greater Tubatse Local Municipality: Basic Assessment Report Project
83. Proposed Vodacom mast on Stand 443 Thubelihle – Emalahleni Local Municipality: Basic Assessment Report Project
84. Proposed Vodacom mast on Stand 855 Tshamahanzi Village – Mogalakwena Local Municipality: Basic Assessment Report Project
85. Proposed Vodacom mast on Portion 3 of the farm Mooihoek 856 KS – Mogalakwena Local Municipality: Basic Assessment Report Project

86. Proposed Vodacom mast on a portion of Portion 1 of Erf 987 Lynnwood – City of Tshwane Metropolitan Municipality: Basic Assessment Report Project
87. Proposed Vodacom mast on the Remainder of Erf 162 Hillcrest – City of Tshwane Metropolitan Municipality: Basic Assessment Report Project
88. Proposed Vodacom mast on Erf 1333 South Germiston Extension 2 – Ekurhuleni Metropolitan Municipality: Basic Assessment Report Project
89. Proposed Vodacom mast on Erf 1603 Boksburg – Ekurhuleni Metropolitan Municipality: Basic Assessment Report Project
90. Proposed Wireless Business Solutions Base Station on Portion 1 of Erf 160 Eastleigh - Edenvale Local Municipality: Basic Assessment Report Project
91. Proposed Wireless Business Solutions Base Station on Erf 106 Fordsburg – City of Johannesburg Metropolitan Municipality: Basic Assessment Report Project
92. Proposed Wireless Business Solutions Base Station on Erf 4974 Bryanston – City of Johannesburg Metropolitan Municipality: Basic Assessment Report Project
93. Proposed Wireless Business Solutions Base Station on Erven 79, 81, RE82, 83 & 122 of 1952 Malvern – City of Johannesburg Metropolitan Municipality: Basic Assessment Report Project
94. Proposed Wireless Business Solutions Base Station on Erf 755 Roodepoort – City of Johannesburg Metropolitan Municipality: Basic Assessment Report Project
95. Proposed Wireless Business Solutions Base Station on Erf 968 Randpark Ridge Extension 3 – City of Johannesburg Metropolitan Municipality: Basic Assessment Report Project
96. Proposed Wireless Business Solutions Base Station on Erf 335 Delarey – City of Johannesburg Metropolitan Municipality: Basic Assessment Report Project
97. Proposed Wireless Business Solutions Base Station on the Remainder of Erf 1070 Eldoraigine Ext. 1 – City of Tshwane Metropolitan Municipality: Basic Assessment Report Project
98. Proposed Wireless Business Solutions Base Station on the Remainder of Erf 533 Queenswood – City of Tshwane Metropolitan Municipality: Basic Assessment Report Project
99. Proposed Wireless Business Solutions Base Station on Portion 105 of the farm Rietfontein 61 IR – City of Johannesburg Metropolitan Municipality: Basic Assessment Report Project
100. Proposed Wireless Business Solutions Base Station on Erf 265 Halfway House Ext. 12 – City of Johannesburg Metropolitan Municipality: Basic Assessment Report Project
101. Proposed Wireless Business Solutions Base Station on Erf 1300 Horison – City of Johannesburg Metropolitan Municipality: Basic Assessment Report Project
102. Proposed Wireless Business Solutions Base Station on Erf 2548 Kempton Park Extension 1 – Ekurhuleni Metropolitan Municipality: Basic Assessment Report Project
103. Proposed Wireless Business Solutions Base Station on Erf 46 Booyens – City of Tshwane Metropolitan Municipality: Basic Assessment Report Project
104. Proposed Wireless Business Solutions Base Station on Erf 191 Fishershill – Ekurhuleni Metropolitan Municipality: Basic Assessment Report Project
105. Proposed Wireless Business Solutions Base Station on Portion 329 of the farm Kleinfontein 67 IR – City of Johannesburg Metropolitan Municipality: Basic Assessment Report Project

106. Proposed Wireless Business Solutions Base Station on Portion 190 of the farm Boschkop 199 IQ – City of Johannesburg Metropolitan Municipality: Basic Assessment Report Project
107. Proposed Wireless Business Solutions Base Station on Erf 325 Randparkrif Ext 1 – City of Johannesburg Metropolitan Municipality: Basic Assessment Report Project
108. Proposed Wireless Business Solutions Base Station on Remainder of Portion 184 of the farm Driefontein 41 IR – City of Johannesburg Metropolitan Municipality: Basic Assessment Report Project
109. Proposed Wireless Business Solutions Base Station on Erf 4180 Bryanston – City of Johannesburg Metropolitan Municipality: Basic Assessment Report Project
110. Proposed Wireless Business Solutions Base Station on Portion 7 of Paulshof AH Ext 3 – City of Johannesburg Metropolitan Municipality: Basic Assessment Report Project
111. Proposed Wireless Business Solutions Base Station on Erven 47, 48 & 49 La Rochelle – City of Johannesburg Metropolitan Municipality: Basic Assessment Report Project
112. Proposed Wireless Business Solutions Base Station on Portion 31 of the farm Bothasfontein 408 JR – City of Johannesburg Metropolitan Municipality: Basic Assessment Report Project
113. Replacing an existing Multichoice mast with a 5m lattice mast on top of the 101 Victoria Embankment Flats – Ethekewini Metropolitan Municipality: Basic Assessment Report Project
114. Proposed Multichoice mast on the Remainder of Lot 34 Springfield – Ethekewini Metropolitan Local Municipality: Basic Assessment Report Project
115. Proposed Multichoice mast on Erf 7604, Benoni – Ekurhuleni Metropolitan Municipality: Basic Assessment Report Project
116. Proposed Multichoice base station on Erf 152 Nelspruit – Mombela Local Municipality: Basic Assessment Report Project
117. Proposed Multichoice mast on the Remainder of Erf 1 Pietersburg – Polokwane Local Municipality: Basic Assessment Report Project
118. Proposed Telkom mast on Portion 15 of the farm Doornbult 281 IO – Tswaing Local Municipality: Basic Assessment Report Project
119. Proposed Telkom mast on the farm Huntingdon 281 KU – Bushbuckridge Local Municipality: Basic Assessment Report Project
120. Proposed Telkom mast on Erf 2088 Klerksdorp – City of Matlosana: Basic Assessment Report Project
121. Proposed Telkom mast on the farm Wildegansvly 65 KQ – Thabazimbi Local Municipality: Basic Assessment Report Project
122. Proposed Telkom mast on Portion 2 of the farm Vorster 775 LT – Ba-Phalaborwa Local Municipality: Basic Assessment Report Project
123. Proposed Telkom mast on the farm Matlabas 94 KQ – Thabazimbi Local Municipality: Basic Assessment Report Project
124. Proposed Telkom mast on Portion 16 of the farm Nooitgedacht 98 IO Tswaing Local Municipality: Basic Assessment Report Project
125. Proposed Telkom mast on Portion 1 of Erf 1123 Modimolle - Modimolle Local Municipality: Basic Assessment Report Project
126. Proposed Telkom mast on Erf 3347 Phalaborwa Ext. 4 – Ba-Phalaborwa Local Municipality: Basic Assessment Report Project
127. Proposed Telkom mast on the farm Taaiboschpan 135 IO – Tswaing Local Municipality: Basic Assessment Report Project

128. Proposed Telkom mast on a Portion of the farm Zandfontein 386 JQ – Rustenburg Local Municipality: Basic Assessment Report Project
129. Proposed Bucket & Bowl Workshop at PPL Mine on the farm Vaalkop 819 LR – Mogalakwena Local Municipality: Basic Assessment Report Project
130. Proposed Lodge Development on the farm Groenfontein 227 KR – Mogalakwena Local Municipality: Basic Assessment Report Project
131. Proposed chicken pens on the Remainder of the farm Mooiplaats 434 LT – Greater Letaba Local Municipality: Basic Assessment Report Project
132. Proposed Phalaborwa Pipeline on Portion 1 of the farm Makushane Location 28 LU – Ba-Phalaborwa Local Municipality: Basic Assessment Report Project
133. Utilising of a borrow pit on Portion 1 of the farm Droogegrond 169 JR in the Dr JS Moroka Local Municipality area, Nkangala District, Mpumalanga Province: Basic Assessment Report Project
134. Proposed private school on Portion 7 of the farm Vlakplaats 137 KQ – Thabazimbi Local Municipality: Basic Assessment Report Project
135. Proposed construction camp on Portion 25 of the farm Theunispan 293 LQ – Lephalale Local Municipality: Basic Assessment Report Project
136. Proposed township development (Eco Office Park) on Portion 53 of the farm Waterkloof 502 LQ – Lephalale Local Municipality: Basic Assessment Report Project
137. Proposed Lodge Development on the Remainder of the farm Gorkum 473 LQ – Lephalale Local Municipality: Basic Assessment Report Project
138. Rasebalane-Mogoboy demarcation project on the Farm Thabina Valley 13 KT – Greater Tzaneen Local Municipality: Basic Assessment Report Project
139. Proposed development of institution on Portion 4 of the farm Bornst 107 LS – Makhado Local Municipality: Basic Assessment Report Project
140. Proposed shopping centre on the Remainder of Portion 1 of the farm Kroonstad 468 LR – Lephalale Local Municipality: Basic Assessment Report Project
141. Proposed township development on Portion 6 of the farm Aapiesdaorn 316 KQ – Thabazimbi Local Municipality: Basic Assessment Report Project
142. Proposed private resort on Portion 60 of the farm De Put 412 KQ – Lephalale Local Municipality: Basic Assessment Report Project
143. Proposed housing development on Portion 7 of the farm Van Wyksfontein 3 LR – Lephalale Local Municipality: Basic Assessment Report Project
144. Proposed shopping centre on Portion 114 of the farm Waterkloof 502 LQ – Lephalale Local Municipality: Basic Assessment Report Project
145. Proposed depot on Portion 25 of the farm Het Bad 465 KR – Bela-Bela Local Municipality: Basic Assessment Report Project
146. Proposed public garage on Erf 14729 Ellisras X 140 (Formerly Portion 12 of the farm Hanglip 508 LQ (A portion of Portion 3 of the farm Hanglip 508 LQ)) – Lephalale Local Municipality: Basic Assessment Report Project
147. Proposed filling station on the Remainder of the farm Mohlabas Location 567 LT – Greater Tzaneen Local Municipality: Basic Assessment Report Project
148. Expansion of the existing filling station on Portion 437 of the farm Hartebeestpoort - C 419 JQ – Madibeng Local Municipality: Basic Assessment Report Project
149. Expansion of the existing filling station on Portion 128 of Rustenburg Town and Townlands 272 JQ – Rustenburg Local Municipality: Basic Assessment Report Project

150. Proposed filling station on Portion 8 of the farm De Grooteboom 373 KT – Greater Tubatse Local Municipality: Basic Assessment Report Project
151. Expansion of PPS Petroleum Supplier Depot on Erf 2289 Tzaneen Ext 5 – Greater Tzaneen Local Municipality: Basic Assessment Report Project
152. Proposed diesel depot on Portion 5 of the farm Van Wyksfontein 3 LR – Lephalale Local Municipality: Basic Assessment Report Project
153. Proposed filling station on Portion 52 of the farm Schalk 3 KU – Ba-Phalaborwa Local Municipality: Basic Assessment Report Project
154. Proposed construction of a filling station on Portion 29 of the farm Welverdiend 24 JS, Elias Motswaledi Local Municipality: Basic Assessment Report Project
155. Proposed construction of a filling station on Erf 291 Melmoth – Mthonjaneni Local Municipality: Basic Assessment Report Project
156. Proposed upgrading of overnight accommodation on the Remainder of Portion 49 of the farm De Put 412 KQ – Thabazimbi Local Municipality: Basic Assessment Report Project
157. Proposed overnight accommodation on Portion 25 of the farm Tweefontein 915 LS – Polokwane Local Municipality: Basic Assessment Report Project
158. Proposed Private Resort on Portion 8 of the farm Franksvley 100 KQ – Thabazimbi Local Municipality: Basic Assessment Report Project

159. Utilising of borrow pit on the Remainder of the farm Mamtwas Location 461 LT for the upgrading of road D3248/3175 from gravel to tar (Thapane – Muruji) – Greater Tzaneen Local Municipality
160. Utilising of borrow pit on the Remainder of the farm MODJADJES Location 424 LT for the upgrading of road D3248/3175 from gravel to tar (Thapane – Muruji) – Greater Tzaneen Local Municipality
161. Utilising of A borrow pit on the Remainder of the farm Molepos 187 KS for the upgrading of the road from Makubung to Bosega from gravel to tar – Polokwane Local Municipality
162. Utilising of a borrow pit on Portion 1 of the farm Weltevreden 746 LS for the upgrading of roads in the Polokwane Municipal area
163. Utilising of a borrow pit on the farm Broederstroomdrift 534 LT for the upgrading of the Deerpark road in the Greater Tzaneen Municipal area

164. Residential Township – Ivy Park Ext 44: Polokwane Local Municipality: Monitoring of construction phase
165. Mogalakwena Waste Water Treatment Works: Mogalakwena Local Municipality: Monitoring of construction phase
166. Proposed Phalaborwa Pipeline on Portion 1 of the farm Makushane Location 28 LU – Ba-Phalaborwa Local Municipality: Monitoring of construction phase

167. Filling station on Erf 753 Groblersdal – Elias Motswaledi Local Municipality: Environmental Management Plan
168. Filling station on Portion 1 of Erf 238 Doringkruin – City of Matlosana: Environmental Management Plan
169. Filling station on the Remainder of the farm De Grooteboom 373 KT – Greater Tubatse Local Municipality: Environmental Management Plan
170. Filling station on Portion 142 of the farm Wilgespruit 190 IQ – City of Johannesburg Metropolitan Municipality: Environmental Management Plan

171. Proposed filling station on Portion 16 (a portion of Portion 4) of the farm Zustershoek 246 JR – KwaMhlanga Local Municipality: Environmental Management Plan
172. Diesel depot on Plot 4871 Heavy Industrial Area Lephalale – Lephalale Local Municipality: Environmental Management Plan
173. Filling station on Portion 8 of the farm Lukau 127 JS – Elias Motswaledi Local Municipality: Environmental Management Plan
174. LPG Depot located on Erven 143 & 144 Maraisburg – City of Johannesburg Metropolitan Municipality: Environmental Management Plan
175. Filling station located on Erf 573 Motetema – Elias Motswaledi Local Municipality: Environmental Management Plan
176. Proposed filling station on a Portion of Portion 128 Rustenburg Town & Townlands 272 JQ – Rustenburg Local Municipality: Environmental Management Plan
177. Proposed filling station on Portion 4 of the farm Cyferskuil 15 JR – Moretele Local Municipality: Environmental Management Plan
178. Proposed filling station on Erf 54 Vryheid – AbaQulusi Local Municipality: Environmental Management Plan
179. Filling station located on the Remainder of Erf 2 of the farm Lot 632, Mpumalanga G – Durban Metro: Environmental Management Plan
180. Proposed filling station on Portion 5 of the farm Klipspruit 870 KS – Makhuduthamaga Local Municipality: Environmental Management Plan
181. Proposed filling station on Erf 389 Wapadrand Extension 8 – City of Tshwane Metropolitan Municipality: Environmental Management Plan
182. Proposed filling station on Portion 3 of the farm Morgenzon 94 LT – Makhado Local Municipality: Environmental Management Plan
183. Proposed expansion of a truck stop on Erven 2970 and 2971 Glen Marais Ext 60 – City of Ekurhuleni Metropolitan Municipality: Environmental Management Plan
184. Proposed filling station on Erf 10027 Protea Glen Ext 12 – City of Johannesburg Metropolitan Municipality: Environmental Management Plan
185. Filling station located on Erf 136 Vanderbijlpark South East No 4 – Emfuleni Local Municipality: Environmental Management Plan
186. Proposed petrol site on Portion 5 of the farm Zonderfout 226 IR – Delmas Local Municipality: Environmental Management Plan
187. Diesel depot on Portion 1 of Erf 753 Groblersdal Extension 11 – Elias Motswaledi Local Municipality: Environmental Management Plan
188. Proposed filling station on Portion 400 of the farm Driefontein 85 IR – Ekurhuleni Local Municipality: Environmental Management Plan
189. Proposed diesel site on Portion 99 of the farm Putfontein 26 IR – Ekurhuleni Local Municipality: Environmental Management Plan
190. Proposed filling station is located on Portion 18 (of 16) of the farm Hammarsdale No 6981 – Durban Metro: Environmental Management Plan
191. Proposed filling station is located on Portion 74 of the farm Grootfontein 501 LQ – Lephalale /local Municipality: Environmental Management Plan

REPUBLIEK VAN SUID-AFRIKA
DEPARTEMENT VAN ONDERWYS EN KULTUUR
ADMINISTRASIE: VOLKSRAAD



REPUBLIC OF SOUTH AFRICA
DEPARTMENT OF EDUCATION AND CULTURE
ADMINISTRATION: HOUSE OF ASSEMBLY

NASIONALE · NATIONAL DIPLOMA

NATUURBEWARING

NATURE CONSERVATION

TOEGEKEN AAN · AWARDED TO

ANTON VON WELL
86032520 6805235122005 1968-05-23
VERWERF AAN · OBTAINED AT

TECHNIKON PRETORIA

MET INGANG VAN · WITH EFFECT FROM

1990-01-01

VAKKE WAARIN GESLAAG · SUBJECTS PASSED

• DUI ONDERSKEIDING AAN · INDICATES DISTINCTION

Voorligtingsmetodiek
Dierestudies I, II en III
Veldbestuur I
Visserijbestuur
Wildplaasbestuur
Natuurbevaringsadministrasie
Natuurbevaringsekologie
I, II en III
Natuurbevaringsontwikkeling I en II
Natuurbevaringstegnieke
I, II en III
Natuurbevaringsteorie I, II en III

Extension Method
Animal Studies I, II and III
Veld Management I
Fishery Management
Game Farm Management
Nature Conservation Administration
Nature Conservation Ecology
I, II and III
Nature Conservation Development I and II
Nature Conservation Techniques
I, II and III
Botany I, II and III

XXXXX

Minimum Opleidingstydperk: 3 Jaar
Minimum Training Period : 3 Years



[Signature]
EKSAMENBEAMPTTE
EXAMINATION OFFICER

BOE 4/57
G.F.-5 010-0201

[Signature]
SUPERINTENDENT-GENERAAL
SUPERINTENDENT-GENERAL



PORT ELIZABETH TECHNIKON

National Higher Diploma

FORESTRY: CONSERVATION



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Personal No. 680523512088

Issued to: Von Well

Valid in effect from: 04-DEC-96

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 Rector and Vice-Chancellor

Nr. 970747

[Handwritten Signature]
 Registrar



Issued with the approval of the Council for Technical Education (SETEC) in terms of section 9 of the Certificate of Approval for Technikon Education Act, 1986 (Act 88 of 1986).

EAPASA

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Environmental Assessment Practitioners Association of South Africa

Advancing environmental assessment practice in South Africa



Email: registrar@eapasa.org / Website: www.eapasa.org

Mr Anton von Well
3 General Joubert Street
Polokwane
0699

Sent by email to: antonvonwell@yahoo.com

Dear Mr von Well

**Registered Environmental Assessment Practitioner: Number 2019/934
Anton von Well : South African ID 6805235122088**

The Environmental Assessment Practitioners Association of South Africa (EAPASA) herewith certifies that Anton von Well is a Registered Environmental Assessment Practitioner (EAP) in accordance with the prescribed criteria of Regulation 15.(1) of the Section 24H Registration Authority Regulations (Regulation No. 849, Gazette No. 40154 of 22 July 2016, of the National Environmental Management Act (NEMA), Act No. 107 of 1998, as amended).

Your registration is duly authorised by EAPASA as the single Registration Authority for EAPs in South Africa (appointed as per Regulation No. 104, Gazette No. 41434 of 8 February 2018, in terms of section 24H(3)(a) of the NEMA). Your status as a Registered EAP is displayed in the 'EAP Register' - please find your name and contact email address at

<https://registration.eapasa.org/registered-practitioners>

Your registration is effective for a period of five years from 30 November 2019, and expires on 30 November 2024. The renewal of your registration in 2024 will be contingent on you having met the requirements of EAPASA's Continuing Professional Development (CPD) policy during each year of registration.

As a Registered EAP you are required to uphold the EAPASA Code of Ethical Conduct and Practice in your professional endeavours, towards the goal of quality assurance in environmental assessment practice.

Please accept my congratulations on your registration.

Best regards

Dr Richard Hill
Registrar
Date: 30 November 2019

Board Members: Ms Snowy Makhudu (Chairperson), Mr Khangwelo Desmond Musetsho (Vice-Chairperson),
Mr Ntsako Baloyi, Mr Zama Dlamini, Mr Siyabonga Gqalangile, Ms Jacqui Hex, Ms Sibusisiwe Hlela,
Mr Malcolm Moses, Mr Phumudzo Nethwadzi, Mr Danie Neumann, Ms Keshni Rughoobee.
Registrar: Dr Richard Hill
NPO Reg. No. 122-986

Sensitivity Map - Rosslyn Hub

Description

Filling Station Property



Legend

- Quarter-degree grid squares
 - Gauteng C-Plan boundary
 - Local municipalities - LUDS
 - South African municipal boundaries 2009
 - South African parent farm cadaster
 - Formal protected areas (NBA 2011)
 - Informal protected areas (NPAES)
 - Marine Protected Areas MPAs (NBA 2011)
- Gauteng C-Plan - CBA map**
- Protected Area
 - Critical Biodiversity Area (Irreplaceable)
 - Critical Biodiversity Area (Important)
 - Ecological Support Area

1: 2 257



0,1 0 0,06 0,1 Kilometers