



mineral resources

Department:
Mineral Resources
REPUBLIC OF SOUTH AFRICA

APPLICATION FORM FOR ENVIRONMENTAL AUTHORISATIONS IN TERMS OF THE NATIONAL ENVIRONMENTAL MANAGEMENT ACT, 1998 AND THE NATIONAL ENVIRONMENTAL MANAGEMENT WASTE ACT, 2008 IN RESPECT OF LISTED ACTIVITIES THAT HAVE BEEN TRIGGERED BY APPLICATIONS IN TERMS OF THE MINERAL AND PETROLEUM RESOURCES DEVELOPMENT ACT, 2002 (MPRDA) (AS AMENDED).

IMPORTANT NOTICE

Kindly note that:

1. As from 8 December 2014, this document serves as the application form, and incorporates the requisite documents that are to be submitted together with the application for the necessary environmental authorisations in terms of the said Acts.
2. This application form is applicable while the Mineral and Petroleum Resources Development Amendment Act of 2008 is in effect, as the form may require amendment should the Act be further amended.
3. Applicants are required to apply for the necessary water use licence and any other authorisations or authorisations to the relevant competent authorities as required by the relevant legislation. Upon acceptance of an application for a right or permit in terms of the MPRDA, applicants will be required to provide evidence to the Regional Manager that a water use licence has been applied for.
4. The Regional Manager will respond to the application and provide the reference and correspondence details of the Competent Authority, and in the event that the application for a right or permit is accepted, together with the date by which the relevant environmental reports must be submitted. Notwithstanding anything that may appear to be stated to the contrary in the acceptance letter, the timeframes are in fact aligned and the prescribed timeframes for the submission of documents as regulated by the NEMA regulations must be strictly adhered to.
5. The application must be typed within the spaces provided in the form. The sizes of the spaces are not necessarily indicative of the amount of information to be provided. Spaces are provided in tabular format and will extend automatically when each space is filled with typing.
6. The failure to submit complete information as required in this application form may result in the refusal of the application for an environmental authorisation and consequently of the right or permit applied for.
7. This application must be submitted through the SAMRAD online application system of the Department of Mineral Resources under "Other documents to upload".
8. Unless protected by law, all information filled in on this application form will become public information on receipt by the competent authority. Any interested and affected party should and shall be provided with the information contained in this application on request, during any stage of the application process.
9. Please note that an application fee is payable in terms of the National Environmental Management Act and the National Waste Management Act, which fees must be paid upon lodgement of the application. Should the said application fees not be paid as prescribed the application for a right or permit in terms of the Mineral and Petroleum Resources Development Act cannot be considered to have been made in the prescribed manner and the said application for a right or permit will have to be rejected. In this regard the type of applications must be identified in the table below.

PLEASE STATE TYPE OF AUTHORISATIONS BEING APPLIED FOR

APPLICATION TYPE	APPLICABLE FEE	Mark with an X where applicable
NEMA S&EIR application on its own	R10 000.00	
NEMA BAR application on its own	R2 000.00	X
NEMWA S&EIR application on its own	R10 000.00	
NEMWA BAR application on its own	R2 000.00	
NEMA S&EIR application combined with NEMWA S&EIR application	R15 000.00	
NEMA BAR application combined with NEMWA BAR application	R3 000.00	
NEMA S&EIR application combined with NEMWA BAR application	R11 000.00	

1. CONSULTATION BASIC ASSESSMENT AND/ OR SCOPING REPORT

2. DETAILS OF THE APPLICANT

Project applicant:	Wepex Trading (Pty) Ltd	
Registration no (if any):	2015/230389/07	
Trading name (if any):		
Responsible Person, (e.g. Director, CEO, etc.):	Thabo Mafoko (Share Holder)	
Contact person:	Thabo Mafoko	
Physical address:	24 Nanyuki Road 27 Sunninghill Brooke Estates Sunninghill 2157	
Postal address:	Postnet Suit 246 Private Bag X43 Sunninghill 2157	
Postal code:	2157	2157
Telephone:	060 377 3891	
E-mail:	Thabo.mafoko887@yahoo.com	

3. ENVIRONMENTAL ASSESSMENT PRACTITIONER (EAP) INFORMATION

EAP:	ROELIEN OOSTHUIZEN	
Professional affiliation/registration:	Waiting for registration	
Contact Person, (if different from EAP):	WILLIE OOSTHUIZEN	
Company:	WADALA PROSPECTING AND CONSULTING (PTY) LTD	
Physical address:	FARM OBERON, KIMBERLEY	
Postal address:	P.O. BOX 110823, HADISON PARK, KIMBERLEY	
Postal code:	8306	Cell: 082 870 9973
Telephone:	082 870 9973 0842089088	Fax: 086 510 7120
E-mail:	woosthuizen950@gmail.com roosthuizen950@gmail.com	

If an EAP has not been appointed please ensure that an independent EAP is appointed as stipulated by the NEMA Regulations, prior to the commencement of the process.

The declaration of independence and the Curriculum Vitae (indicating the experience with environmental impact assessment and relevant application processes) of the EAP must also be attached as **Appendix 1**

4. PROJECT DESCRIPTION

Farm Name:	Farm Name and No: Gloucester 674 Subdivision : Remaining Extent Magisterial District: Kuruman Province: Northern Cape Extent: 1 165.8 ha Title Deed No: T654/1966
Application area (Ha)	1165.8 ha (One thousand one hundred and sixty five comma eight hectares.)
Magisterial district:	Postmasburg
Distance and direction from nearest town	The farm is situated ± 28 km north of Postmasburg and ± 54.7 km south of Kathu along the R325 provincial road.
21 digit Surveyor General Code for each farm portion	C041000000067400000
Locality map	Attach a locality map at a scale not smaller than 1:250000 and attach as Appendix 2
Description of the overall activity. (Indicate Prospecting Right, Prospecting Permit, Prospecting right, Bulk Sampling, Production Right, Exploration Right, Reconnaissance permit, Technical co-operation permit, Additional listed activity)	Prospecting Right Application

5. ACTIVITIES TO BE AUTHORISED

(Please provide copies of Environmental Authorisations obtained for the same property as **Appendix 3**).

(For an application for authorisation indicated. Pleathat involves more than one listed activity that, together, make up one development proposal, all the listed activities pertaining to this application must be indse note that any authorisation that may result from this application will only cover activities specifically applied for). (Attach a proposed site plan, drawn to a scale acceptable to the competent Authority, showing the location of all the activities to be applied for, as **Appendix 4**).

NAME OF ACTIVITY	Aerial extent of the Activity Ha or m²	LISTED ACTIVITY	APPLICABLE LISTING NOTICE	WASTE MANAGEMENT AUTHORISATION
(E.g. for prospecting – drill site, site camp, ablution facility, accommodation, equipment storage, sample storage, site office, access route, etc. ... etc. ... etc.) E.g. for prospecting – excavations, blasing, stockpiles, discard dumps or dams, Loading, hauling and transport, Water supply dams and boreholes, accommodation, offices, ablution, stores, workshops, processing plant, storm water control, berms, roads, pipelines, power lines, conveyors, etc. ... etc. ... etc.)		(Mark with an X where applicable or affected).	(GNR 544, GNR 545 or GNR 546)	(Indicate whether an authorisation is required in terms of the Waste Management Act). (Mark with an X)
(Activity 20 of Listing Notice 1) Any activity including the operation of that activity which requires a prospecting right in terms of section 16 of the Mineral and Petroleum Resources Development Act, 2002 (Act No.	1165.8 ha application lodged for the surveyed portion ONLY DRILLING INVASIVE	X	NEMA LN 1 (GNR 983)	

28 of 2002), including associated infrastructure, structures and earthworks, directly related to prospecting of a mineral resource, including activities for which an exemption has been issued in terms of section 106 of the Mineral and Petroleum Resources Development Act, 2002 (Act No. 28 of 2002).	WILL BE DONE WHICH WILL BE 0.3HA IN EXTENT			
Activity 27 of GNR 983 Listing Notice 1) The clearance of an area of 1 hectares or more, but less than 20 hectares of indigenous vegetation, except where such clearance of indigenous vegetation is required for— (i) the undertaking of a linear activity; or (ii) maintenance purposes undertaken in accordance with a maintenance management plan.	1165.8 ha on the total hectares of the area a total of 0.3ha will be disturbed with the drill pads, drill holes.	X	NEMA LN1 (GNR983)	
OTHER ACTIVITIES (Associated infrastructure not considered to be listed activities) Ablution Facilities Topsoil Stockpiles	±25m ² ±500m ²		NOT LISTED	

6. PUBLIC PARTICIPATION

(Provide details of the public participation process proposed for the application as required by Regulation).

Details of the Public Participation process to be followed.

6.1.1 IDENTIFICATION OF INTERESTED AND AFFECTED PARTIES TO BE CONSULTED

IDENTIFICATION CRITERIA	Mark with an X where applicable	
	YES	NO
Will the landowner be specifically consulted?	X	
Will the lawful occupier on the property other than the Landowner be consulted?	X	
Will a tribal authority or host community that may be affected be consulted?	X	
Will recipients of land claims in respect of the area be consulted?	X	
Will the landowners or lawful occupiers of neighbouring properties be identified?	X	
Will the local municipality be consulted?	X	
Will the Authority responsible for power lines within 100 metres of the area be consulted?	X	
Will Authorities responsible for public roads or railway lines within 100 metres of the area applied for be consulted?	X	
Will Authorities responsible for any other infrastructure within 100 metres of the area applied for be consulted? (Specify)	X Road Railway powerlines	
Will the Provincial Department responsible for the environment be consulted?	X	
Will all the parties identified above be provided with a description of the proposed prospecting/prospecting operation as referred above?	X	
Other, Specify		

6.1.2 DETAILS OF THE ENGAGEMENT PROCESS TO BE FOLLOWED

<p>Steps to be taken to notify interested and affected parties (Describe the process to be undertaken to consult interested and affected parties including public meetings and one on one consultations. NB the affected parties must be specifically consulted regardless of whether or not they attended public meetings. Photographs of notice boards, and copies of advertisements and notices notifying potentially interested and affected parties of the proposed application must be attached as Appendix)</p>	<p>PROVIDE DESCRIPTION HERE</p> <p>The landowner and the neighbours will be informed personally and consulted by the applicant and this will be confirmed in writing. A consultation letter will be send to the farm owners. An advert will be published in the local newspaper for comments and a public meeting will be held.</p>
<p>Information to be provided to Interested and Affected Parties</p>	<p>Compulsory</p> <ul style="list-style-type: none"> • The site plan. • List of activities to be authorised. • Scale and extent of activities to be authorised. • Typical impacts of activities to be authorised (e.g. surface disturbance, dust, noise, drainage, fly rock etc.). • The duration of the activity. • Sufficient detail of the intended operation to enable them to assess what impact the activities will have on them or on the use of their land).
<p>Information to be required from Interested and Affected Parties</p>	<p>Compulsory</p> <ul style="list-style-type: none"> • To provide information on how they consider that the proposed activities will impact on them or their socio-economic conditions. • To provide written responses stating their suggestions to mitigate the anticipated impacts of each activity. • To provide information on current land uses and their location within the area under consideration. • To provide information on the location of environmental features on site to make proposals as to how and to what standard the impacts on site can be remedied requested to make written proposals. • To mitigate the potential impacts on their socio economic conditions to make proposals as to how the potential impacts on their infrastructure can be managed, avoided or remedied.
	<p>Other, specify:</p>

7. DESCRIPTION OF THE ASSESSMENT PROCESS TO BE UNDERTAKEN

ITEM	DESCRIPTION
<p>Environmental attributes Describe how the environmental attributes associated with the development footprint will be determined.</p>	<p>The landowner and the neighbours will be informed personally and consulted by the applicant and this will be confirmed in writing.</p> <p>Notice boards/ Site notices and newspaper adverts will be distributed and displayed as stipulated in regulations. All interested and affected parties will receive an information brochure on the application and how they can be registered. Information brochures will also be made available at public places for the public to be involved.</p>
<p>Identification of impacts and risks Describe the process that will be used to identify</p>	<p>The process used to identify and assess risks for the project are as follows:</p>

impacts and risks.	For each potential impact, the duration (time scale), extent (spatial scale), irreplaceable loss of resources, reversibility of the potential impacts, magnitude of negative or positive impacts, and the probability of occurrence of potential impacts must be assessed. The assessment of the above criteria will be used to determine the significance of each impact, with and without the implementation of the proposed mitigation measures.
Consideration of alternatives Describe how alternatives, and in particular the alternatives to the proposed site layout and possible alternative methods or technology to be applied will be determined.	The only other alternative would be not to apply for the alluvial diamonds on a Prospecting Right application. This new application will also make use of the current infrastructure in the area for processing purposes. so there is no need to establish this again. CONSEQUENCE IF NOT PROCEEDING WITH THE OPERATION The operation will makes provision for 31 job opportunities. This will be lost if the project does not proceed. Substantial tax benefits to the state and local government will also be lost.
Process to assess and rank impacts Describe the process to be undertaken to identify, assess and rank the impacts and risks each individual activity.	For each potential impact, the duration (time scale), extent (spatial scale), irreplaceable loss of resources, reversibility of the potential impacts, magnitude of negative or positive impacts, and the probability of occurrence of potential impacts must be assessed. The assessment of the above criteria will be used to determine the significance of each impact, with and without the implementation of the proposed mitigation measures
Contribution of specialist reports Describe how specialist reports, if required, will be taken into consideration and inform the impact identification, assessment and remediation process.	Should there be a need for specialist studies their reports will be taken into consideration and findings disclosed to all interested and affected parties. As this area is already disturbed (prospecting around the area) there are not foreseen findings from specialists.
Determination of impact management objectives and outcomes Describe how impact management objectives will be determined for each activity to address the potential impact at source, and how the impact management outcomes will be aligned with standards	Based on the assessment and where applicable the recommendations from specialist reports, the recording of proposed impact management objectives, and the impact management outcomes for the development for inclusion in the EMPr as well as for inclusion as conditions of authorisation.

8. OTHER AUTHORISATIONS REQUIRED

LEGISLATION	Mark with an X where applicable			
	AUTHORISATION REQUIRED		APPLICATION SUBMITTED	
	YES	NO	YES	NO
SEMA's				
National Environmental Management: Air Quality Act		X		
National Environmental Management: Biodiversity Act		X		
National Environmental Management: Integrated Coastal Management Act		X		
National Environmental Management: Protected Areas Act				
National Environmental Management: Waste Act		X		
National Legislation				

Mineral Petroleum Development Resources Act	X		X	
National Water Act		X		
National Heritage Resources Act		X		
Others: Please specify				

Please provide proof of submission of applications in **Appendix 5**.

In the event that an authorisation in terms of the National Environmental Waste Management Act is required for any of the activities applied for please state so clearly in order for such an authorisation to be considered as part of this application.

9. DRAFT EMP_r

For consultation purposes, provide a high level approach to the management of the potential environmental impacts of each of the activities applied for.

ACTIVITIES	PHASE (of operation in which activity will take place)	1165.8 ha	TYPICAL MITIGATION MEASURES	COMPLIANCE WITH STANDARDS
<p>(E.g. for prospecting – drill site, site camp, ablution facility, accommodation, equipment storage, sample storage, site office, access route, etc. ... etc. ... etc.)</p> <p>E.g. for prospecting – excavations, blasing, stockpiles, discard dumps or dams, Loading, hauling and transport, Water supply dams and boreholes, accommodation, offices, ablution, stores, workshops, processing plant, storm water control, berms, roads, pipelines, power lines, conveyors, etc. ... etc. ... etc.)</p>	<p>State: Planning and design, Pre-Construction, Operational, Rehabilitation, Closure, Post closure</p>		<p>(e.g. storm water control, dust control, noise control, access control, rehabilitation, etc. ... etc.)</p>	<p>(A description of how each of the recommendations herein will comply with any prescribed environmental management standards or practices that have been identified by Competent Authorities)</p>
Data Collection	Planning	1165.8 ha	<input type="checkbox"/> Reliable data sources to be used <input type="checkbox"/> Safety precautions at mine	<input type="checkbox"/> Signed declarations <input type="checkbox"/> Mine Health and Safety Act 1996
Site access	Destruction of flora	3000m ²	<input type="checkbox"/> Ensure site access routes are adhered to. <input type="checkbox"/> Signage to be displayed <input type="checkbox"/> Remove vegetation before prospecting commences.	<input type="checkbox"/> Adherence to applicable legislation. <input type="checkbox"/> No unnecessary loss of flora.
Site access	Soil compaction from use of access roads	4000m ²	<input type="checkbox"/> Soil management programme	<input type="checkbox"/> No unnecessary loss of soil <input type="checkbox"/> NEMA, Biodiversity Act
Site access	Vehicle traffic noise pollution	4000m ²	<input type="checkbox"/> Limit activities to normal working hours. <input type="checkbox"/> Servicing of machines and vehicles as necessary.	<input type="checkbox"/> Avoid loud unnecessary noise impacts <input type="checkbox"/> No complaints from neighbours <input type="checkbox"/> Adhere to noise limits as stated in

			<input type="checkbox"/> Stick to speed limits: 40km	Health and Safety Act 1993 and Air Quality Act 2004:Dust Regulations
Site establishment (prospecting area)	Destruction of flora	0.3 ha that will be removed that constitute the drillholes	<input type="checkbox"/> Only remove what is necessary. <input type="checkbox"/> Demarcation of no-go areas <input type="checkbox"/> Awareness training	<input type="checkbox"/> End use objective to be kept in mind while removing vegetation. <input type="checkbox"/> Adherence to the Biodiversity Act 2004.
Site establishment (prospecting area)	Surface disturbance (topsoil removal)	0.3ha that will be removed for drill holes on area	<input type="checkbox"/> Remove topsoil 100-150mm <input type="checkbox"/> Stockpile in designated area <input type="checkbox"/> Ensure no invasive species establish	<input type="checkbox"/> Visual inspection on topsoil (invasive species) <input type="checkbox"/> No wastage of valuable resource. <input type="checkbox"/> Adherence to Alien Invasive Species Regulations 2014.
Site establishment (Prospecting area)	Dust emission from clearing soil	No plant will be constructed only the drill rig that will access the areas for 0.3ha of disturbance of drill holes on area	<input type="checkbox"/> Dust suppression to be undertaken when deemed necessary. <input type="checkbox"/> Dust sampling: Personal exposure and dust buckets	<input type="checkbox"/> Avoid dust pollution and complaints from public. <input type="checkbox"/> Remain within the Air Quality Act, 2004 Dust regulations
Prospecting activities	Surface disturbance	0.3ha that will be removed and plant that will be constructed on area	<input type="checkbox"/> Stick with prospecting layout plan, site layout. <input type="checkbox"/> Monitoring on prospecting areas weekly	<input type="checkbox"/> No prospecting over allowed boundaries <input type="checkbox"/> Inspection sheet to be completed on prospecting areas <input type="checkbox"/> Adherence to MPRDA and authorisation
Prospecting activities	Potential hydrocarbon spills from machinery and equipment	0.3 ha that will be removed and plant that will be constructed on area	<input type="checkbox"/> Spills kits and preventative measures to be in place at all times at the mine. <input type="checkbox"/> Proper servicing of equipment and machinery. <input type="checkbox"/> Training and awareness	<input type="checkbox"/> No hydrocarbon spills evident. <input type="checkbox"/> Pollution avoidance <input type="checkbox"/> Training programme
Prospecting activities	Dust from prospecting activities	0.3 ha that will be removed	<input type="checkbox"/> Dust suppression to be undertaken.	<input type="checkbox"/> Dust agent used from an approved source

			<input type="checkbox"/> Dust monitoring	<input type="checkbox"/> Remain within the Air Quality Act, 2004 Dust regulations
Prospecting activities	Possible Change in drainage patterns	0.3 ha that will be removed on area	<input type="checkbox"/> Erosion Management Plan <input type="checkbox"/> Weekly visual inspections	<input type="checkbox"/> No visible erosion
Prospecting activities	Aesthetics Value	0.3 ha that will be removed on area	<input type="checkbox"/> Screen off prospecting activities where necessary	<input type="checkbox"/> No complaints received from public

10. CLOSURE PLAN

In the space provided under each heading below, please provide a high level description of the plan for closure and the information that will be provided in the draft EMPr accompanying draft basic assessment report or environmental impact reports going forward.	
Baseline environment Describe how the baseline environment will be determined with the input of interested and affected parties and due cognizance of the current land uses and or existing biophysical environment.	The baseline environment will be determined by site visit, specialist studies (if necessary) and a desktop study. Information will also be obtained should there be any concerns from local communities/ landowners.
Closure objectives Describe the closure objectives and the extent to which they will be aligned to the baseline environment	<ul style="list-style-type: none"> ➤ The main closure objective of the applicant is to leave the farm in the same state as it was received in. ➤ To prevent the sterilization of any ore reserves. ➤ To prevent the establishment of any permanent structures or features. ➤ The mine also has the objective to establish a stable and self-sustainable vegetation cover if necessary. ➤ To limit and rehabilitate any erosion features and prevent any permanent impact to the soil capability of the mine. ➤ To limit and manage the visual impact of the mine. ➤ To safeguard the safety and health of humans and animals on the mine. ➤ The last closure objective is that the mine is closed efficiently, cost effectively and in accordance with government policy.
Rehabilitation Plan Describe the scale and aerial extent of the prospecting or prospecting listed activities to be authorised, including the anticipated prospecting or prospecting area at the time of closure, and confirm that a site rehabilitation plan drawn to a suitable scale will be provided in the draft EMPr to be submitted together with the draft EIR or Basic Assessment Report as the case may be.	<ul style="list-style-type: none"> ➤ Infrastructure Areas: On completion of the prospecting operation, the various surfaces, including the access roads, the office area, storage area, will finally be rehabilitated as follows:- All remaining material on the surface will be removed to the original topsoil level. This material will then be backfilled into the depressions. Any compacted area will then be ripped to a depth of 300mm, where possible, the topsoil or growth medium returned and landscaped. <p>All infrastructures, equipment, screening plant, and other items used during the operational period will be removed from the site.</p> <p>On completion of operations, all buildings, structures or objects on the office site will be dealt with in accordance with Regulation 44 of the Minerals and Petroleum Resources Development Act, 2002, which states:- <i>Regulation 44</i> 1. <i>When a prospecting right, prospecting right, retention</i></p>

permit or prospecting permit lapses, is cancelled or is abandoned or when any prospecting or prospecting operation comes to an end, the holder of such right or permit may not demolish or remove any building, structure or object –

(a) which may not be demolished or removed in terms of any other law;

(b) which has been identified in writing by the Minister for purposes of this section; or

(c) which is to be retained in terms of an agreement between the holder and the owner or occupier of the land, which agreement has been approved by the Minister in writing.

2. *The provision of subsection (1) does not apply to bona fide prospecting equipment, which may be removed.*

Topsoil and Stockpile Deposits:

Disposal facilities

Waste material of all description inclusive of receptacles, scrap, rubble and tyres will be removed entirely from the prospecting area and disposed of at a recognised landfill facility. It will not be permitted to be buried or burned on the site.

Ongoing seepage, control of rain water

No monitoring of ground or surface water will take place, except if so requested by the DWS – Kimberley.

Long term stability and safety

It will be the objective of mine management to ensure the long term stability of all rehabilitated areas including the backfilled depressions. This will be done by the monitoring of all areas until a closure certificated has been issued.

Final rehabilitation in respect of erosion and dust control

Self-sustaining vegetation will result in the control of erosion and dust and no further rehabilitation is planned.

Rehabilitation of drill holes

Due to drilling of 30 holes, holes could be created that can be classified as dangerous. All available material will be used during backfilling to avoid the existence of dangerous holes.

Final rehabilitation roads

After rehabilitation has been completed, all roads will be ripped or ploughed, fertilized and seeded, providing the landowner does not want them to remain that way and with written approval from the Director Mineral Development of the Department of Mineral Resources.

Submission of information

Reports on rehabilitation and monitoring will be submitted annually to the Department of Mineral Resources – Kimberley, as described in Regulation 55.

Maintenance (Aftercare)

Maintenance after closure will mainly concern the regular inspection and monitoring and/or completion of the re-vegetation programme.

The aim of this Environmental Management Plan is for rehabilitation to be stable and self-sufficient, so that the least possible aftercare is required.

	<p>The aim with the closure of the mine will be to create an acceptable post-mine environment and land-use. Therefore all agreed commitments will be implemented by Mine Management.</p> <p>➤ After-effects following closure:</p> <p>Acid mine drainage No potential for bad quality leach ate or acid mine drainage development exist after mine closure (in this case all Kimberlitic material will be removed).</p> <p>Long term impact on ground water No after effect on the groundwater yield or quality is expected.</p> <p>Long-term stability of rehabilitated land One of the main aims of any rehabilitated ground will be to obtain a self-sustaining and stable end result. Cleaning of all drill bits material concurrently and replacing of topsoil where available.</p>
<p>Rehabilitation Cost Describe how the rehabilitation cost will be determined and provide a preliminary estimated thereof.</p>	<p>The quantum for rehabilitation guarantee will be determined by the area of disturbance, calculated in terms of the Calculation of the Quantum table.</p> <p>A guarantee of R300 000.</p>
<p>Decommissioning Considering that rehabilitation must take place upon cessation of an activity, describe when each of activities applied for will be rehabilitated in terms of either the cessation of the individual activity or the cessation of the overall prospecting or prospecting activity.</p>	<p>The last phase of the proposed prospecting operation, namely the decommissioning- and closure phase, will consist mainly of the following activities:</p> <ul style="list-style-type: none"> •The removal of waste material of any description from the prospecting area and the disposal thereof at a recognised landfill facility. •The removal of infrastructure, equipment, plant and other items from the site; •The ripping of compacted areas to a level of 300 mm and the levelling of such areas in order to re-establish a growth medium for plants (such areas will furthermore be seeded with a vegetation seed mix adapted to reflect the local indigenous flora that was present prior to the prospecting operation, if the reestablishment of vegetation is unacceptably slow.

Signature of the applicant/Signature on behalf of the applicant:

Name of company (if applicable):

Date:

**APPENDIX 4
DECLARATION OF THE EAP**

I, **RH Oosthuizen**, declare that –

General declaration:

- I act as the independent environmental practitioner in this application;
- I will perform the work relating to the application in an objective manner, even if this results in views and findings that are not favourable to the applicant;
- I declare that there are no circumstances that may compromise my objectivity in performing such work;
- I have expertise in conducting environmental impact assessments, including knowledge of the Act, Regulations and any guidelines that have relevance to the proposed activity;
- I will comply with the Act, Regulations and all other applicable legislation;
- I will take into account, to the extent possible, the matters listed in regulation 8 of the Regulations when preparing the application and any report relating to the application;
- I have no, and will not engage in, conflicting interests in the undertaking of the activity;
- I undertake to disclose to the applicant and the competent authority all material information in my possession that reasonably has or may have the potential of influencing – any decision to be taken with respect to the application by the competent authority; and – the objectivity of any report, plan or document to be prepared by myself for submission to the competent authority;
- I will ensure that information containing all relevant facts in respect of the application is distributed or made available to interested and affected parties and the public and that participation by interested and affected parties is facilitated in such a manner that all interested and affected parties will be provided with a reasonable opportunity to participate and to provide comments on documents that are produced to support the application;
- I will ensure that the comments of all interested and affected parties are considered and recorded in reports that are submitted to the competent authority in respect of the application, provided that comments that are made by interested and affected parties in respect of a final report that will be submitted to the competent authority may be attached to the report without further amendment to the report;
- I will keep a register of all interested and affected parties that participated in a public participation process; and
- I will provide the competent authority with access to all information at my disposal regarding the application, whether such information is favourable to the applicant or not;
- All the particulars furnished by me in this form are true and correct;
- Will perform all other obligations as expected from an environmental assessment practitioner in terms of the Regulations; and
- I realise that a false declaration is an offence in terms of regulation 71 of the Regulations and is punishable in terms of section 24F of the Act.

Disclosure of Vested Interest (delete whichever is not applicable)

- I do not have and will not have any vested interest (either business, financial, personal or other) in the proposed activity proceeding other than remuneration for work performed in terms of the Regulations;

RH OOSTHUIZEN
WADALA MINING AND CONSULTING
DATE:

APPENDIX 1

CURRICULUM VITAE – RH OOSTHUIZEN

PERSONAL DETAILS

FULL NAMES AND SURNAME : **Roelina Henriëtte Oosthuizen**

DATE OF BIRTH : 18 April 1970

I.D. NO : 700418 0037 08 2

MARITAL STATUS : Married

CITIZENSHIP : **Republic of** South Africa

RESIDENTIAL ADDRESS : Farm Oberon
Kimberley

POSTAL ADDRESS : P.O. Box 110823
Hadisonpark
Kimberley
8306

E-MAIL ADDRESS : roosthuizen950@gmail .com

CEL NO : 084 208 9088

DRIVER'S LICENCE : EB

LANGUAGES : Afrikaans (home language)
English

QUALIFICATIONS

2000	UNIVERSITY OF THE ORANGE FREE STATE Qualification: Master in Environmental Management.
1991	NORTH WEST UNIVERSITY Qualification: B – Comm: Industrial psychology.
1988	BRITS HIGH SCHOOL (BRITS) Qualification: Matric

COURSES and Conferences ATTENDED

I have attended various prospecting and environmental conferences and seminars to stay abreast with the latest changes in legislation, legal compliance and policy positions in the sector.

August 1994	Junior Managers (Public Service Training Institute)
November 1994	Mineral Laws Administration (Public Service Training Institute)
October 1997	Mineral Laws Administration & Environmental Management (University of Pretoria)
July 2002	Project Management for Environmental Systems (University of the Orange Free State)
August 2004	Environmental and Sustainability in Prospecting Minerals and Energy Education and Training Institute (MEETI)
September 2005	Converting Old Order Rights to New Order Rights in Prospecting (International Quality & Productivity Centre Johannesburg)
November 2006	Mine waste disposal and Achievement of Mine Closure
February 2007	Introduction to ArcGis 1
April 2010	Prospecting Law Update Conference (IIR BV South Africa)

November 2010	Social Labour Plans for Prospecting Workshop (Melrose Training)
August 2011	Mineral Resources Compliance and Reporting (ITC)
May 2012	Enviro Prospecting Conference 2012 (Sustainability and Rehabilitation) (Spectacular Training Conferences)
August 2012	Mineral Resources Compliance and Reporting 4 th Annual (ITC)
March 2013	1st EnviroProspecting-Ensuring Environmental Compliance and reporting
March 2014	4 th Annual EnviroProspecting Conference
March 2015	5 th Annual EnviroProspecting Conference

CAREER HISTORY

Wadala Prospecting and Consulting (Pty) Ltd:

ADDRESS : **Farm Oberon**
Kimberley
8301

PERIOD OF EMPLOYMENT : 01 August 2013 - Part time

POSITION HELD : **Mineral Law Administration and Environmental
Manager**

Diacor Closed Corporation:

ADDRESS : **6 Mullin Street**
Hadisonpark
Kimberley
8306

PERIOD OF EMPLOYMENT : 01 October 2013 – Present and part time consultancy
work

POSITION HELD : **Mineral Law Administration and Environmental
Manager**

Mentor Trading and Investments 52 (Pty) Ltd:

ADDRESS : 2 Kekewich Drive
Monridge Office Park no 6
Monument Heights
Kimberley
8301

PERIOD OF EMPLOYMENT : 01 October 2012 – 01 October 2013

POSITION HELD : **Mineral Law Administration and Environmental Manager**

Rockwell Diamonds Inc:

ADDRESS : PO Box 251
BARKLY-WES
8375

PERIOD OF EMPLOYMENT : 01 March 2005 – 30 September 2012

POSITION HELD : **Mineral Law Administration and Environmental Manager**

MAIN JOB FUNCTIONS

- Collect analyse and interpret information regarding the measurement of impacts of prospecting operations on the environment, the rehabilitation of land surfaces.
- The prevention, control and combating of pollution.
- Co-ordinate, investigate, audit and resolve environmental problems in conjunction with the Department of Water and Sanitation, Department of Agriculture and the provincial Department of Tourism, Environment and Conservation.
- Address complaints and inquiries received from the public and prospecting industry.
- Consult with relevant authorities and interested and affected people regarding the approval of Environmental Management Programmes.
- Ensuring that rehabilitation standards are applied.
- Ensuring that the requirements stated in Environmental Management Programme Reports are adhered to.
- Evaluate Prospecting Rights and Prospecting Right applications and recommend site-specific conditions according to legislative requirements.
- Constant liaison with the public, the prospecting industry and other government authorities on Environmental matters, legislation and agreements.

- Calculate and verify financial provision for outstanding rehabilitation.

DEPT OF MINERALS & ENERGY:

ADDRESS : 43 Chapel Street
Standard Bank Building
KIMBERLEY

PERIOD OF EMPLOYMENT : 01 April 1997 to 01 March 2005

POSITION HELD **Senior Environmentalist - Assistant Director
Environment**

MAIN JOB FUNCTIONS

- :
 - Collect analyse and interpret information regarding the measurement of impacts of prospecting operations on the environment, the rehabilitation of land surfaces.
 - The prevention, control and combating of pollution.
 - Co-ordinate and prioritise the rehabilitation of derelict and ownerless mines.
 - Co-ordinate, investigate, audit and resolve environmental problems in conjunction with the Department of Water Affairs and Forestry, Department of Agriculture and the provincial Department of Tourism, Environment and Conservation.
 - Address complaints and inquiries received from the public and prospecting industry.
 - Consult with relevant authorities and interested and affected people regarding the approval of Environmental Management Programmes.
 - Ensuring that rehabilitation standards are applied.
 - Ensuring that the requirements stated in Environmental Management Programme Reports are adhered to.
 - Conduct inspections and recommendations on mines that apply for closure.
 - Evaluate prospecting licences and prospecting applications and recommend site-specific conditions according to legislative requirements.
 - Constant liaison with the public, the prospecting industry and other government authorities on environmental matters, legislation and agreements.
 - Influence new development processes through participation in the EMPR and EIA processes and give guidance through education and awareness programmes.
 - Calculate and verify financial provision for outstanding rehabilitation.

DEPT. OF MINERALS AND ENERGY:

POSITION HELD : Assistant Mineral Laws Officer – Senior Mineral Laws Officer

PERIOD OF EMPLOYMENT : 01 November 1993 – March 1997

ADVISORY COMMISSION ON LAND ALLOCATION

POSITION HELD : Assistant Administrative Officer

PERIOD OF EMPLOYMENT : 10 February 1992 – October 1993

Experience Projects Completed

I am a dedicated professional Mineral Law Administration and Environmental Manager with 23 years extensive experience in the managing and mitigating of specifically prospecting related impacts. I started my career in 1993 in the Department of Minerals and Energy where I have done Environmental inspections with site visits on all mines in the Northern Cape. I have done Environmental Audits on operational and closed prospecting sites in collaboration with other Departments. I have also specifically looked at pollution control measures on prospecting sites and the effectiveness of these measures. I have evaluated submitted EIA /EMP documents and have worked closely with all other Departments and stakeholders to make sure that all environmental aspects have been dealt with adequately in submitted documents. I left the Department for the Private Sector in 2005. I have since worked for a Canadian Group of Companies in the Private Sector, started a consultancy where I provide various prospecting companies with professional advice and guidance on Mineral Law and Environmental Issues. I have also represented the South African Diamond Producers Organisation (SADPO) on the Environmental Policy Committee (EPC) at the Chamber of Mines between 2005 and 2011.

2005

Environmental Management Plan with an application for a Prospecting Right for diamonds on Portion 9 and 14 of the farm Lanyon Vale 376, Hay in terms of Section 16(4) and Regulation 52 of the Minerals and Petroleum Resources Development Act, 2002 (Act 28 of 2002)

EMPlan was approved in August 2007 with the Prospecting Right

Client: HC van Wyk Diamonds Ltd

Environmental Management Plan with an application for a Prospecting Right for diamonds on Remainder of Portion 18 (a portion of Portion 10) of the farm Lanyon Vale 376, Hay in terms of Section 16(4) and Regulation 52 of the Minerals and Petroleum Resources Development Act, 2002 (Act 28 of 2002)

EMPlan was approved in August 2007 with the Prospecting Right

Client: HC van Wyk Diamonds Ltd

Environmental Management Plan with an application for a Prospecting Right for diamonds on Remainder of Portion 1, Portion 2 (a Portion of Portion 1), Portion 3 and Portion 5 of the farm Zweet Fontein nr 76 and Remainder of Portion 1 and portion 3 of the farm Blaaubosch Drift nr 78, Herbert in terms of Section 16(4) and Regulation 52 of the Minerals and Petroleum Resources Development Act, 2002 (Act 28 of 2002)

EMPlan was approved in August 2007 with the Prospecting Right

Client: HC van Wyk Diamonds Ltd

2006

Environmental Management Plan with an application for a Prospecting Right for Tin in Kakamas South Settlement, Kakamas in terms of Section 16(4) and Regulation 52 of the Minerals and Petroleum Resources Development Act, 2002 (Act 28 of 2002)

EMPlan was approved in June 2011 with the Prospecting Right

Client: Douglas Prospecting and Exploration (Pty) Ltd

2007

Environmental Management Plan with an application for a Prospecting Right for diamonds on the Remaining Extent, Portion 1 and Portion 2 of Diamond Valley 29, Hopetown in terms of Section 16(4) and Regulation 52 of the Minerals and Petroleum Resources Development Act, 2002 (Act 28 of 2002)

EMPlan was approved in April 2008 with the Prospecting Right

Client: HC van Wyk Diamonds Ltd

2008

Environmental Management Plan with an application for a Prospecting Right for diamonds on Portion 12, 13, 16, 24 & 25 Saxendrift 20 in terms of Section 16(4) and Regulation 52 of the Minerals and Petroleum Resources Development Act, 2002 (Act 28 of 2002)

EMPlan was approved in June 2008 with the Prospecting Right

Client : HC van Wyk Diamonds Ltd

Environmental Management Plan with an application for a Prospecting Right for diamonds on Erf 1 Windsorton, Barkly-Wes in terms of Section 16(4) and Regulation 52 of the Minerals and Petroleum Resources Development Act, 2002 (Act 28 of 2002)
EMPlan was approved in February 2009 with the Prospecting Right
Client: HC van Wyk Diamonds Ltd

2009

ENVIRONMENTAL IMPACT ASSESSMENT & ENVIRONMENTAL MANAGEMENT PROGRAMME SUBMITTED FOR AN APPLICATION FOR A PROSPECTING RIGHT CONVERSION IN TERMS OF SECTION 39 & OF REGULATION 50 & 51 OF THE MPRDA, 2002 (ACT NO. 28 OF 2002) for Wouterspan Mine (The Farm Lanyon Vale 376, Hay)
EIA/EMP approved on 25/01/2010
Client: HC van Wyk Diamonds Ltd

ENVIRONMENTAL IMPACT ASSESSMENT & ENVIRONMENTAL MANAGEMENT PROGRAMME SUBMITTED FOR AN APPLICATION FOR A PROSPECTING RIGHT CONVERSION IN TERMS OF SECTION 39 & OF REGULATION 50 & 51 OF THE MPRDA, 2002 (ACT NO. 28 OF 2002) for GW Ziegler on Remainder, Remainder of portion 1 (Amantia) and portion 2 (a portion of portion 1) of the farm Rietputs no. 15 and portion 1 (Spenceskop) of the farm Waterval no.14 in the district of Kimberley
EIA/EMP approved with conversion of the Prospecting Right
Client: GW Ziegler

2010

Basic Assessment Application

Application for authorisation in terms of the National Environmental Management Act, 1998 (Act No. 107 of 1998), as amended and the Environmental Impact Assessment Regulations, 2006 PROPOSED EXTENTION OF A ROOF OVER AN EXCISTING DECK WITH TWO WOOD PILLARS BY MEANS OF THE EXCAVATING OF 0.5m X 0.5m X 1m X 2 (½m²) OF SOIL WITHIN 100M OF THE HIGH WATER MARK OF THE SEA

Falls within general notes under activities that requires basic assessment

Positive Record of Decision (ROD) Granted.

Client: Dr. Petrus van der Walt Vermeulen

REVISION OF ENVIRONMENTAL IMPACT ASSESSMENT & ENVIRONMENTAL MANAGEMENT PROGRAMME SUBMITTED FOR AN APPLICATION FOR A PROSPECTING RIGHT CONVERSIONS IN TERMS OF SECTION 39 & OF REGULATION 50 & 51 OF THE MPRDA, 2002 (ACT NO. 28 OF 2002) for HC VAN WYK DIAMONDS LTD (204 MRC) ON REMAINING EXTENT OF HOLPAN 161, BARKLY-WES AND KLIPDAM DIAMOND PROSPECTING CO (003MRC) ON REMAINING EXTENT OF KLIPDAM 157, BARKLY-WES

Client: HC van Wyk Diamonds Ltd and Klipdam Diamond Prospecting Company Ltd

2011

APPLICATION FOR A LICENCE REGARDING PROTECTED TREES [SECTION 15(1) OF THE NATIONAL FORESTS ACT, 1998, AS AMENDED] on PORTION 1 (PAARDE PAN) OF THE FARM ANNEX SAXES DRIFT 21, HOPETOWN, NORTHERN CAPE for 14 Shephards tree (Boscia albitunca)

Licence issued on 24 September 2011

Client : Saxendrift Mine Pty Ltd

ENVIRONMENTAL IMPACT ASSESSMENT & ENVIRONMENTAL MANAGEMENT PROGRAMME SUBMITTED FOR AN APPLICATION FOR A PROSPECTING RIGHT CONVERSION IN TERMS OF SECTION 39 & OF REGULATION 50 & 51 OF THE MPRDA, 2002 (ACT NO. 28 OF 2002) on Portion 2 of the farm Good Hope 286, Barkly-Wes

EIA/EMP approved February 2013 by the Regional Manager

Client: Diacor CC

APPLICATION FOR CLOSURE CERTIFICATE [in terms of sections 43(3) of the Minerals and Petroleum Resources Development Act, 2002 (Act No 28 of 2002)] AND A CLOSURE PLAN FOR PROSPECTING ACTIVITIES PERFORMED BY HC VAN WYK DIAMONDS LTD ON THE REMAINING EXTENT OF PORTION 1 (WILLOWBANK), PORTION 2 (A PORTION OF PORTION 1) (WILLOWBANK), PORTION 3 (A PORTION OF PORTION 1) (WILLOWBANK) OF KHOSOPSKRAAL 227 AND PORTION 5 (ROSCOMMON) AND PORTION 2 (BORDON) OF HARRISDALE 226 AND FARM 362, BARKLY-WES CLOSURE WAS GRANTED IN JULY 2010

Client: HC VAN WYK DIAMONDS LTD

2012

APPLICATION FOR A LICENCE REGARDING PROTECTED TREES [SECTION 15(1) OF THE NATIONAL FORESTS ACT, 1998, AS AMENDED] on PORTION 1 OF THE FARM BRAKFONTein 276, HOPETOWN NORTHERN CAPE for 4 Shephards tree (Boscia albitunca)

Licence NCU 2831112 issued in November 2012

Client: Jasper Prospecting Pty Ltd

2013

APPLICATION FOR A LICENCE REGARDING PROTECTED TREES [SECTION 15(1) OF THE NATIONAL FORESTS ACT, 1998, AS AMENDED] ON REMAINDER OF THE FARM NIEWEJAARSKRAAL NO 40, PRIESKA, NORTHERN CAPE. 30 SHEPPHARD'S TREES

Licence NCU 4290214 issued in February 2014

Client: Saxendrift Mine (Pty) Ltd (Niewejaarskraal Mine)

AMENDMENT OF ENVIRONMENTAL IMPACT ASSESSMENT & ENVIRONMENTAL MANAGEMENT PROGRAMME SUBMITTED FOR A SECTION 11 APPLICATION OF A PROSPECTING RIGHT CONVERSION IN TERMS OF SECTION 39 & OF REGULATION 50 & 51 OF THE MPRDA, 2002 (ACT NO. 28 OF 2002) on The Farm Riets Drift no. 18, district

Client: Bo-Karoo Diamond Prospecting (Pty) Ltd to be ceded to Bondeo 140 CC.

2014

Application for a Water Users Licence Application in terms of Section 27 of the National Water Act no 36 of 1998 on the Farm Engelde Wilgeboomfontein 22, Prieska

Application still under review

Client: Thunderflex 78 (Pty) Ltd

ENVIRONMENTAL IMPACT ASSESSMENT & ENVIRONMENTAL MANAGEMENT PROGRAMME SUBMITTED FOR AN APPLICATION FOR A PROSPECTING RIGHT CONVERSION IN TERMS OF SECTION 39 & OF REGULATION 50 & 51 OF THE MPRDA, 2002 (ACT NO. 28 OF 2002) on Portion 1 of the farm Brakfontein 276 district of Hopetown

EIA/EMP approved April 2015 by the Regional Manager

Client: Jasper Prospecting (Pty) Ltd

Environmental Management Plan with an application for a Prospecting Right for diamonds on REMAINING EXTENT OF THE FARM MARKSDRIFT 3, HOPETOWN in terms of Section 16(4) and Regulation 52 of the Minerals and Petroleum Resources Development Act, 2002 (Act 28 of 2002) EMPlan was approved in April 2015 with the Prospecting Right

Client: BONDEO 140 CC

2015

ENVIRONMENTAL IMPACT ASSESSMENT & ENVIRONMENTAL MANAGEMENT PROGRAMME SUBMITTED FOR AN APPLICATION FOR A PROSPECTING RIGHT IN TERMS OF SECTION 39 & OF REGULATION 50 & 51 OF THE MPRDA, 2002 (ACT NO. 28 OF 2002) on Portion 1 of the farm Speculatie 217 district of Boshof

EIA/EMP accepted by the Regional Manager Free State Region

Client: Thaba Thafita Diamond Prospecting CC

ENVIRONMENTAL IMPACT ASSESSMENT & ENVIRONMENTAL MANAGEMENT PROGRAMME SUBMITTED FOR AN APPLICATION FOR A PROSPECTING RIGHT IN TERMS OF SECTION 39 & OF REGULATION 50 & 51 OF THE MPRDA, 2002 (ACT NO. 28 OF 2002) on a Portion of Erf 1318, Galeshewe , and a Portion of the Remainder Erf 5336, Kimberley

EIA/EMP still under review by the Regional Manager Northern Cape Region

Client: Mystic Pearl 157 (Pty) Ltd

2016

ANNUAL REHABILITATION PLAN for Associated Manganese Mines of South Africa Ltd

Glosam Prospecting Area

February 2016

REFERENCES

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Name of the Practitioner: Dr Elizabeth (Betsie) Milne
Tel No.: 082 992 1261
Fax No.: N/A (No fax)
E-mail address: betsiemilne@gmail.com



The End

APPENDIX 2

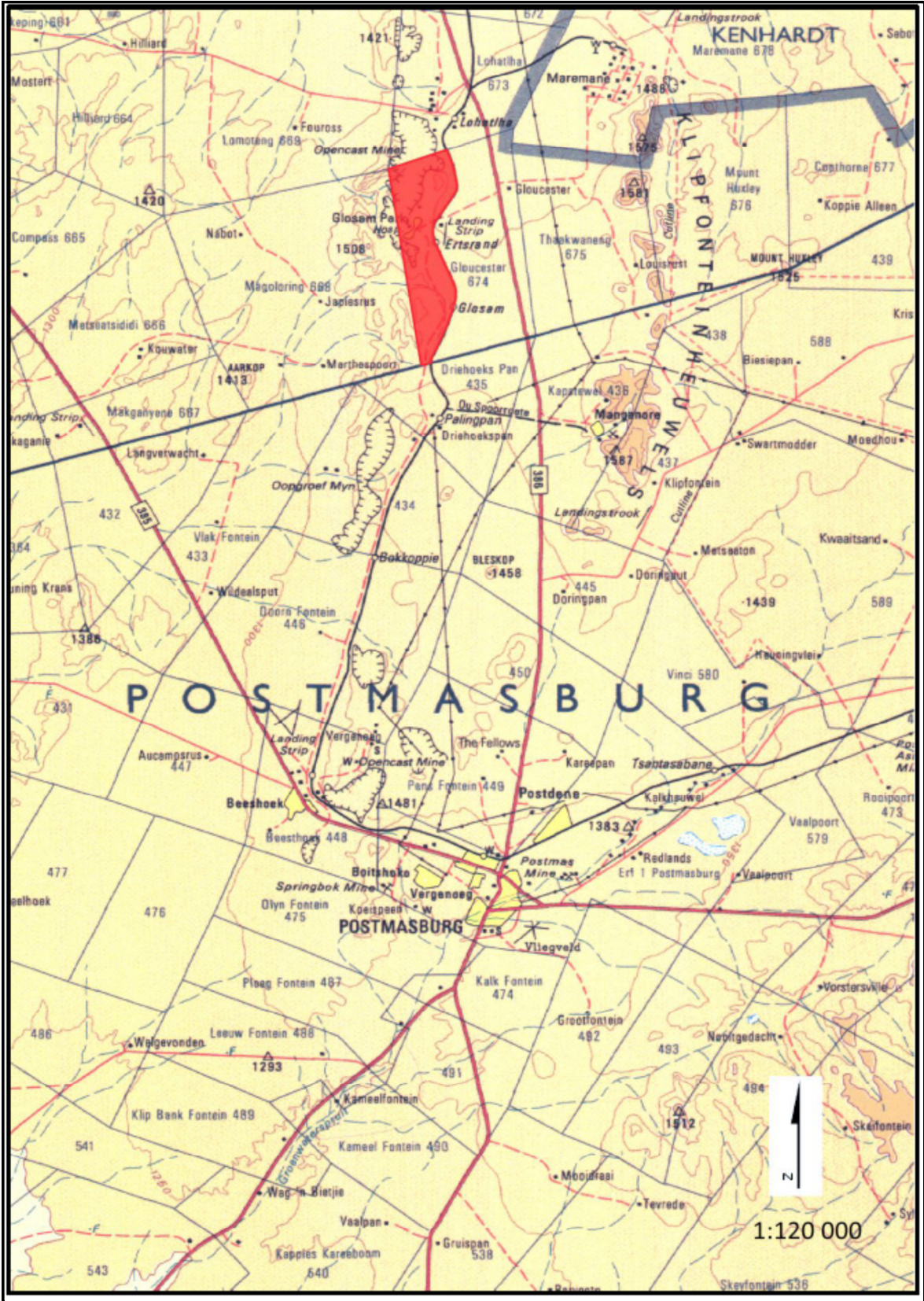


Figure 1: MAP Image – indication location of prospecting site

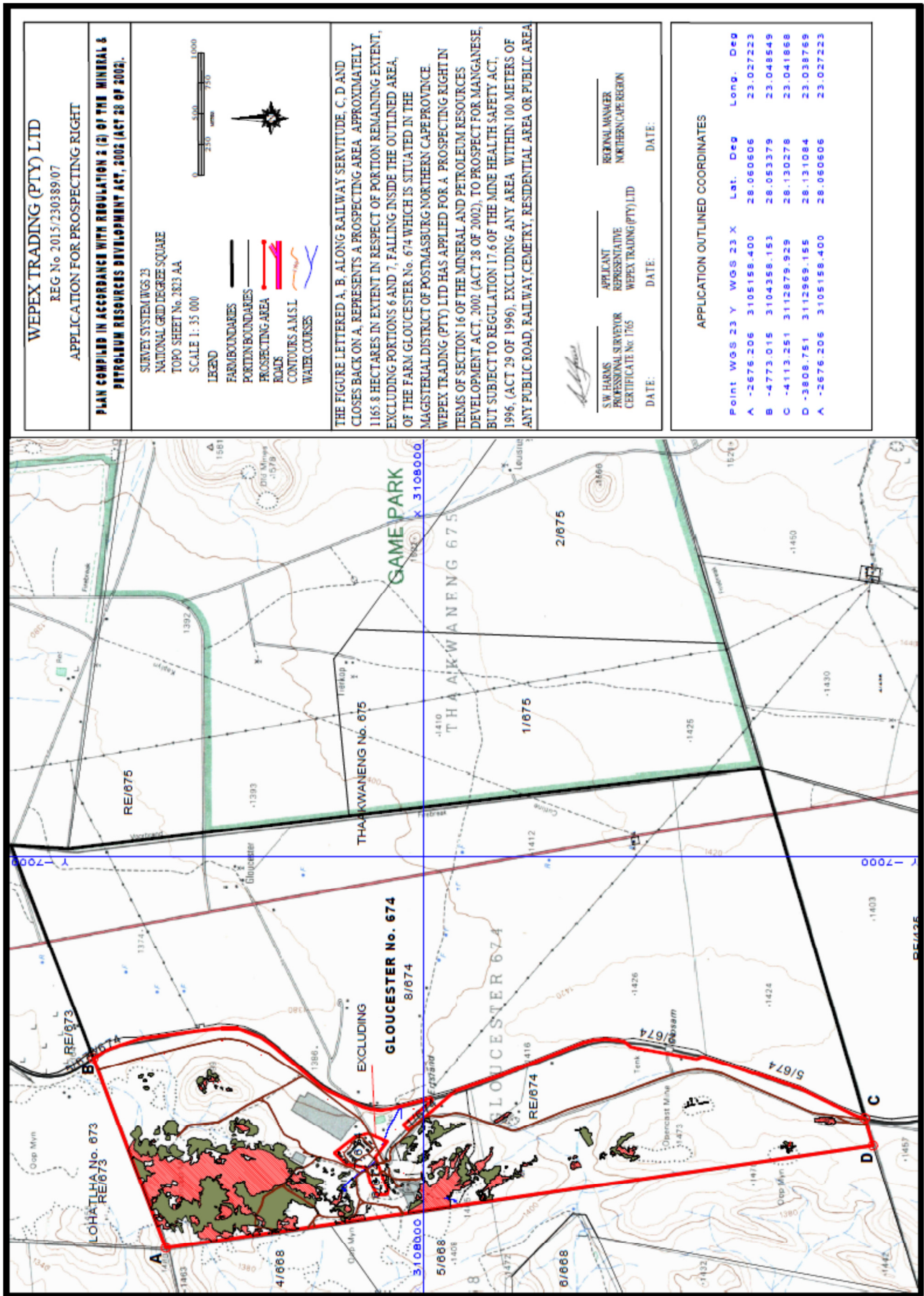
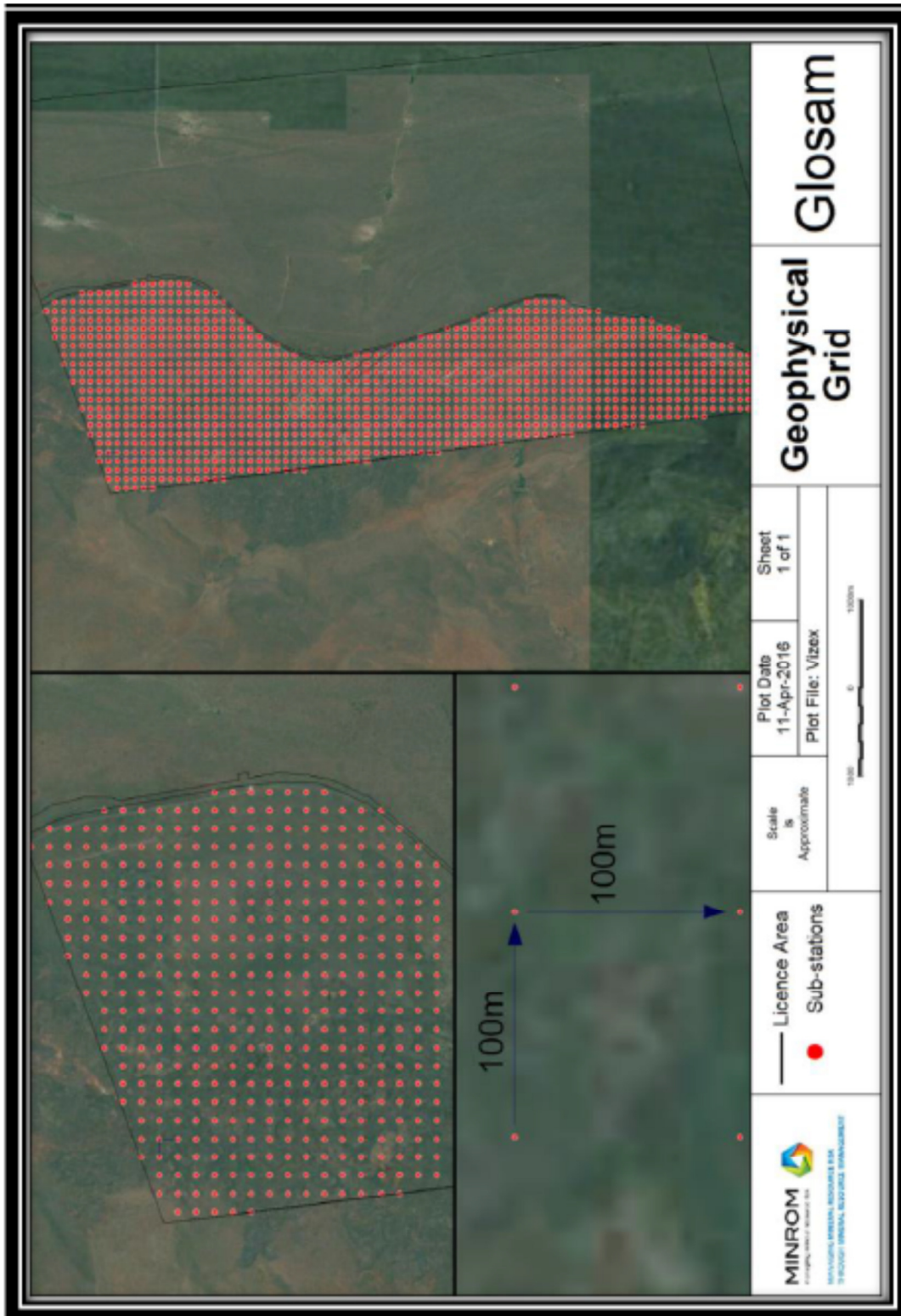


Figure 2: Mine APPLICATION AREA

APPENDIX 4

Figure 3: Geophysical Grid Plan



Hole ID	EAST	NORTH	Elevation	Depth (m)
GLDD01	700596,3	6893055	1402,114	100
GLDD02	700718,3	6893100	1399,823	50
GLDD03	700843,3	6893117	1396,853	50
GLDD04	701352,3	6894210	1384,34	50
GLDD05	701402,9	6893913	1388,652	50
GLDD06	701385,1	6893573	1380,41	50
GLDD07	701156,7	6894928	1369,16	50
GLDD08	700440,8	6892977	1405,475	50
GLDD09	700029,2	6893126	1437,038	50
GLDD10	699970,3	6893020	1438,933	100
GLDD11	699889,6	6892913	1444,832	50
GLDD12	699805,1	6893707	1439,134	100
GLDD13	699680,1	6893742	1426,104	100
GLDD14	699530,2	6893881	1400,609	100
GLDD15	699858,2	6893797	1439,09	50
GLDD16	699743	6893622	1434,091	50
GLDD17	699616,8	6893677	1419,929	50
GLDD18	699728,3	6893827	1426,751	50
GLDD19	699532,2	6894039	1390,784	50
GLDD20	699518,8	6893734	1408,01	50
GLDD21	699564,8	6893424	1408,55	50
GLDD22	699676,7	6893537	1425,901	100
GLDD23	699696,6	6892935	1418,492	100
GLDD24	699887,7	6894605	1443,593	50
GLDD25	699788,9	6894331	1427,275	100
GLDD26	699700,2	6892714	1443,469	50
GLDD27	699701,5	6892471	1444,416	100
GLDD28	699778,3	6891292	1453,044	50
GLDD29	699944,4	6891139	1464,635	100
GLDD30	700115	6891005	1441,731	50

