



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	
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	X
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

This application is for a Scoping Report and EIA process for a Prospecting Right that is being amended. The public consultation process will meet the full set of requirements as set out in Chapter 6 of the National Environmental Management Act (No 107 of 1998) – Environmental Impact Assessment Regulations, 2014. The public participation process that will be undertaken for the project has been outlined in Section 6 of this application form.

2. DETAILS OF THE APPLICANT

Project applicant:	Synchroplex (Pty) Ltd	
Registration no (if any):	2009/006022/07	
Trading name (if any):	Synchroplex	
Responsible Person, (e.g. Director, CEO, etc.):	Bob Tutu Moepie	
Contact person:	Bob Tutu Moepie	
Physical address:	42 Honey Suckel Johannesburg 2040	
Postal address:	PO Box 1690 Montana Park 0148	
Postal code:	0148	
Telephone:	083 9450448	
E-mail:	bobmoepie@yahoo.com	

3. ENVIRONMENTAL ASSESSMENT PRACTITIONER (EAP) INFORMATION

EAP:	ROELIEN OOSTHUIZEN	
Professional affiliation/registration:	Registered as a professional at IAIA (International Association for Impact Assessment South Africa)	
Contact Person, (if different from EAP):	ROELIEN OR WILLIE OOSTHUIZEN	
Company:	WADALA MINING AND CONSULTING (PTY) LTD	
Physical address:	FARM OBERON, KIMBERLEY	
Postal address:	P.O. BOX 110823, HADISON PARK, KIMBERLEY	
Postal code:	8306	Cell: 084 208 9088
Telephone:	053 832 0029 082 870 9973 084 208 9088	Fax: 086 510 7120
E-mail:	woosthuizen950@gmail.com roosthuizen950@gmail.com	

An independent EAP has been appointed as stipulated by the NEMA Regulations. Please refer to **Appendix 1** for the declaration of independence, CV and list of projects completed by the appointed EAP, indicating the experience with environmental impact assessments and relevant application processes.

4. PROJECT DESCRIPTION

Farm Name:	Farm Name and No: Areachap 426 RL Subdivision : Farm Magisterial District: Gordonia Province: Northern Cape Extent: 19 653.0822 ha Title Deed No: T704/1973 Owner: Areachap Plase (Pty) Ltd
Application area (Ha)	19 653.0822 ha (Nineteen Thousand six hundred and fifty three comma zero eight two two) hectares
Magisterial district:	Gordonia
Distance and direction from nearest town	The farm is situated ± 28 km north west of Upington in the Gordonia District.
21 digit Surveyor General Code for each farm portion	C02800000000042600000
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)	Synchroplex (Pty) Ltd is in the process of applying for a Prospecting Right with Bulk Sampling under a Section 102 application, for the prospecting of iron, silver, zinc, copper and sulphur ore on the Farm Areachap no 426, Gordonia. They therefore seek to apply for an additional Environmental Authorisation for this area which will include the listed activities for a bulk sampling operation.

5. ACTIVITIES TO BE AUTHORISED

An Environmental Authorization has been obtained for the same property (Appendix 3).

This environmental Authorization will make provision for bulk sampling which had not been included in the initial application and Environmental Authorization attached as Appendix 3.

This Environmental Authorization application involves more than one listed activity, which together make up one prospecting operation. Therefore please find attached a proposed site plan, drawn to a scale acceptable to the competent Authority, showing the location of all activities to be applied for, as Appendix 4.

<p>Name of activity (e.g. Excavations, blasting, 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>Aerial extent of the activity (Ha or m²)</p>	<p>Listed Activity (mark with an X where applicable or affected)</p>	<p>Applicable Listing Notice (GNR544, GNR545 or GNR546 / Not listed GNR983, GNR984, GNR985/ Not listed)</p>
<p>Activity 12: “The development of—</p> <p>The development of-</p> <p>(i) dams of weirs, where the dam or weir, including infrastructure and water surface area, exceeds 100 square metres; or</p> <p>ii) Infrastructure or structures with a physical footprint of 100 square metres or more;</p> <p>where such development occurs—</p> <p>(a) within a watercourse;</p> <p>(b) in front of a development setback; or</p> <p>(c) if no development setback exists, within 32 metres of a watercourse, measured from the edge of a watercourse;-</p> <p>Regulation GN R704, published on 4 June 1999 in terms of the National Water Act (Use of water for mining and related activities)</p>	<p>Clean and dirty water system</p> <p>It is anticipated that the operation will establish storm water control berms and trenches to separate clean and dirty water on the prospecting site.</p>	<p>X</p>	<p>NEMA: LN1 (GNR327)</p>
<p>Activity 20: The Synchroplex operation directly relates to prospecting of a mineral resource (iron, silver, zinc, copper, and sulphur ore) and requires a prospecting right in terms of section 16 of the Mineral and Petroleum Resources Development Act, 2002 (Act No. 28 of 2002), including-</p> <p>(a) associated infrastructure, structures and earthworks, directly related to prospecting of a mineral resource; or</p> <p>(b) the primary processing of a mineral resource including winning, extraction, classifying, concentrating, crushing, screening or washing;</p> <p>But excluding the secondary processing of a mineral resource, including the smelting, beneficiation, reduction, refining, calcining or gasification of the mineral resource in which case activity 6 in Listing Notice 2 applies.</p>	<p>19 653.0822 ha Although the total area will never be prospected and the footprint with the drilling and bulk sampling is calculated to be ±119 ha.</p> <ul style="list-style-type: none"> - Infill drilling as per geologist request 10 drill holes to 350 m. - Trench of 150m X 20m X 20m deep as per AAPS drilling campaign 60 000m³. - Underground sampling 70m to 90 m by 10.5m width with 200 m strike trough existing exploration shaft 42 000m³. 	<p>X</p>	<p>NEMA: LN1 (GNR327)</p>
<p>Activity 27: The clearance of an area of 20 hectares or more of indigenous vegetation, excluding where such clearance of indigenous vegetation is required for –</p>	<p>119ha</p>		<p>NEMA: LN2 (GNR325)</p>

(i) the undertaking of a linear activity; or (ii) maintenance purposes undertaken in accordance with a maintenance management plan.			
Activity 19: The operation directly relates to prospecting of a mineral resource (iron, silver, zinc, copper, and sulphur ore) and requires permission in terms of Section 20 (MPRDA), for the removal and disposal of bulk samples of any minerals.	19 653.0822 ha Although the total area will never be prospected and the footprint with the drilling and bulk sampling is calculated to be ±119 ha. •Infill drilling as per geologist request 10 drill holes to 350 m. •Trench of 150m X 20m X 20m deep as per AAPS drilling campaign 60 000m ³ . •Underground sampling 70m to 90 m by 10.5m width with 200 m strike trough existing exploration shaft 42 000m ³ .	X	NEMA: LN2 (GNR325)
Activity 4: The development of access roads 6 m in width with no reserve. Roads (both access and haulage road on the mine site): Although it is recommended that the operation utilize existing roads as far as possible, it is anticipated that the mining operation will create an additional 5 km of roads, with a width of 6 meter.	3ha	X	NEMA: LN3 (GNR324)
Activity 10: The development of infrastructure for the storage and handling of dangerous goods (fuel) in containers with a combined capacity of between 30m ³ and 80m ³ .	±80m ³	X	NEMA: LN3 (GNR324)
Activity 15: The establishment of residue deposits resulting from activities which require a prospecting right.	0.3ha		NEMWA: Category A (GNR 633)
Temporary Office complexes Temporary workshop facilities Storage facilities Concrete bund walls and diesel depots Ablution facilities Topsoil stockpiles Overburden stockpiles	± 200 m2 ± 300 m2 ± 1 000 m2 ± 250 m2 ± 30 m2 ± 500 m2 5 000 m2		Not Listed

Water tanks	3m x 3m = 9m ² each		
<p>Waste disposal site (domestic and industrial waste): It is anticipated that the operation will establish a dedicated, fenced waste disposal site with a concrete floor and bund wall. The following types of waste will be disposed of in this area:</p> <ul style="list-style-type: none"> • Small amounts of low level hazardous waste in suitable receptacles. • Domestic waste. • Industrial waste. 	15m x 30m = 450m ² per site		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	
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 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>Other, specify:</p>
<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

	<p>what standard the impacts on site can be remedied requested to make written proposals.</p> <ul style="list-style-type: none"> 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.
	Other, specify

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.</p> <p>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 impacts and risks.</p>	<p>The process used to identify and assess risks for the project are as follows: 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.</p>
<p>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.</p>	<p>The consideration of alternatives is a critical component of the EIA process, where an appropriate range of alternatives require consideration whilst achieving the desired objective of the proposed project. In order to ensure that the proposed project enables sustainable prospecting, a number of feasible options will be explored. The various alternatives in terms of land use, project infrastructure, prospecting method and proceeding without the prospecting operation will be assessed in terms of logistical practicality, environmental acceptability and economic feasibility.</p> <p>Alternatives for the locality of the prospecting operation will however not form part of this consideration, as the location of the prospecting site is determined by the geological location of the mineral resource.</p>
<p>Process to assess and rank impacts Describe the process to be undertaken to identify, assess and rank the impacts and risks each individual activity.</p>	<p>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</p>
<p>Contribution of specialist reports Describe how specialist reports, if required, will be taken into consideration and inform the impact</p>	<p>Specialist studies will be needed in order to investigate the potential environmental impacts associated with the</p>

<p>identification, assessment and remediation process.</p>	<p>prospecting activities, while other more technical specialists are needed to provide strategies and technical specifications for infrastructure that could potentially alleviate impact on the environment. Terms of reference for each of these studies are unique but include the identification and delineation of respective environmental attributes, assessing the state of these attributes, identifying potential impacts relating to these attributes and making recommendations regarding mitigation measures and legal requirements.</p>
<p>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</p>	<p>The key aim of impact management is to ensure that all the significant impacts are ameliorated. Natural and existing mitigation measures will be considered. Natural mitigation measures will be defined as natural conditions, conditions inherent in the project design and existing management measures, which alleviate impacts.</p> <p>The following will be considered (but are not limited to) for guidance in determining the impact management objectives:</p> <ul style="list-style-type: none"> - The applicant's institutional objectives, policies and practice; - Impact management objectives from specialist reports; - The various relevant national and provincial Acts and Regulation; - The general objectives of integrated environmental management laid down in the NEMA, ensuring that environmental considerations are fully integrated into all stages of the development process in order to achieve a desirable balance between conservation and development; - The sustainable development objectives of the MPRDA; - South African National Standards; - Industry best practice guidelines - Resource Water Quality Objectives; - Applicable environmental quality objectives; - Closure objectives;

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

This application accompanies an application for a Prospecting Right and it also serves as a waste licence application, with the triggered listed activities included in Section 5 of this application form.

9. DRAFT EMPr

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

A high level approach to the management of potential environmental impacts is provided in the table below.

THE MANAGEMENT OF POTENTIAL ENVIRONMENTAL IMPACTS				
ACTIVITIES	PHASE	SIZE AND SCALE	TYPICAL MITIGATION MEASURES	COMPLIANCE WITH STANDARDS
<p>The clearing of vegetation for:</p> <ul style="list-style-type: none"> • Access roads and haul roads • Surface infrastructure • Drilling and Pitting and Bulk sampling 	<p>Pre-construction Construction Operational</p>	<p>In total: ± 5 ha ± 500 m2 ± 119 ha</p>	<ul style="list-style-type: none"> - Minimise the impact on flora species; - Implementation of soil conservation management plan and erosion control; - Limit footprint and avoid the unnecessary removal of vegetation; - Biodiversity controls and management plan; - Control invasive and declared weeds and bush encroachers; - Appropriate design and development of stormwater controls; - Dust control and monitoring; - Noise control and monitoring; - Visual controls; and - Avoidance of heritage resources. - Implementation of an emergency response procedure. 	<p>NEMA restricts activities regarding nationally threatened or protected species. NCNCA restricts activities regarding provincially threatened or protected species. NCNCA restricts the large-scale harvesting of indigenous flora. NFA restricts activities regarding nationally protected trees. NHRA restricts activities regarding Heritage Resources. NWA (Reg 704) restricts activities in terms of proximity to watercourses. CARA regulates activities in terms of alien/invasive weeds and encroaching species.</p>
<p>Drilling</p>	<p>Pre-construction</p>	<p>In total: ± 10 holes ± 350 m in depth</p>	<ul style="list-style-type: none"> - Minimise the impact on flora species; - Limit footprint and avoid the unnecessary removal of 	<p>NEMA restricts activities regarding nationally threatened or protected species. NCNCA restricts activities</p>

			<ul style="list-style-type: none"> - vegetation; - Avoidance of heritage resources. 	<p>regarding provincially threatened or protected species.</p> <p>NFA restricts activities regarding nationally protected trees.</p> <p>NHRA restricts activities regarding Heritage Resources.</p> <p>NWA regulates activities in terms of water resources.</p>
The stripping and stockpiling of topsoil	Operational	<p>In total:</p> <ul style="list-style-type: none"> ± 500 m² ± 5 000 m³ 	<ul style="list-style-type: none"> - Stormwater management; - Erosion control; - Topsoil stockpiling management; and - Cultural heritage management. 	NEMA Integrated Environmental Management Principles
Open pit sampling <ul style="list-style-type: none"> • Underground sampling • Trenching 	Operational	<p>In total:</p> <ul style="list-style-type: none"> •Trench of 150m X 20m X 20m deep as per AAPS drilling campaign 60 000m³. •Underground sampling 70m to 90 m by 10.5m width with 200 m strike trough existing exploration shaft 42 000m³. 	<ul style="list-style-type: none"> - Proper planning of excavation; - Promote use of PPE such as dust masks; - Access control; - Dust and noise control monitoring; - Cultural heritage management. - Stormwater management; - Erosion control; and - Emergency response procedure. 	<p>NWA (Reg 704) restricts activities in terms of proximity to watercourses.</p> <p>NEMA Integrated Environmental Management Principles.</p> <p>NHRA restricts activities regarding Heritage Resources.</p>
The development of temporary stockpiles: <ul style="list-style-type: none"> • Overburden • Product 	Operational	Continuous; at a time:	<ul style="list-style-type: none"> - Placement planning to avoid resource sterilisation; - Access control; - Implementation of soil conservation management plan; - Waste management plan; - Biodiversity controls, management plan and monitoring; 	<p>NEMWA regulates stockpiles created by prospecting/mining activities.</p> <p>NEMA restricts activities regarding nationally threatened or protected species.</p> <p>NCNCA restricts activities regarding provincially threatened or protected species.</p>

			<ul style="list-style-type: none"> - Appropriate design and development of stormwater controls; - Dust control and monitoring; - Visual controls, concurrent rehabilitation; - Control of alien/invasive/encroaching species; and - Avoidance of heritage resources. 	<p>NFA restricts activities regarding nationally protected trees.</p> <p>NHRA restricts activities regarding Heritage Resources.</p> <p>NWA (Reg 704) restricts activities in terms of proximity to watercourses.</p> <p>CARA regulates activities in terms of alien/invasive weeds and encroaching species.</p>
Loading, hauling and transporting of ROM, product and material	Operational, Rehabilitation	Continuous; at a time: ± 2 km	<ul style="list-style-type: none"> - Proper activity planning; - Waste management plan; - Dust control and monitoring; - Allocate and adhere to speed limits; - Restrict traffic to demarcated areas; - Erect safety signage; and - Ensure that all drivers employed are certified with appropriate training levels for the required vehicle. 	<p>NEMWA regulates residue stockpiles created by prospecting/mining activities.</p> <p>MHSA provide for protection of health and safety of employees.</p> <p>National traffic regulations regulates general road safety rules</p>
Fuel storage and refuelling bays <input type="checkbox"/> Diesel tanks <input type="checkbox"/> Concrete bund walls and diesel depots	Operational	In total: 30 - 80 m3 ± 250 m2	<ul style="list-style-type: none"> - Soil remediation measures; - Emergency response procedure; - Appropriate design and development of stormwater controls; and - Surface water and groundwater monitoring; 	<p>MHSA provide for protection of health and safety of employees.</p> <p>NEMA Integrated Environmental Management Principles.</p>

Supporting infrastructure: Temporary Office complexes Temporary workshop facilities Storage facilities Concrete bund walls and diesel depots Ablution facilities Topsoil stockpiles Overburden stockpiles Water tanks	Operational	In total: ± 200 m2 ± 300 m2 ± 1 000 m2 ± 250 m2 ± 30 m2 ± 500 m2 5 000 m2 3m x 3m = 9m ² each	<ul style="list-style-type: none"> - Infrastructure design and placement; - Access control; - Soil conservation management plan; - Waste management plan; - Biodiversity controls; - Stormwater controls; - Visual controls and concurrent rehabilitation; - Avoidance of heritage resources; and - Emergency response procedure. 	NEMA restricts activities regarding nationally threatened or protected species. NCNCA restricts activities regarding provincially threatened or protected species. MHSA provide for protection of health and safety of employees. NEMA Integrated Environmental Management Principles.
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10. CLOSURE PLAN

<p>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.</p>	
<p>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.</p>	<p>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.</p>
<p>Closure objectives Describe the closure objectives and the extent to which they will be aligned to the baseline environment</p>	<p>The key aim of decommissioning and closure is to ensure that all the significant impacts to the environment are ameliorated. This is where baseline information is crucial, as it provides a platform of comparison between the impacted area after-, and the original state before prospecting activities took place. Closure objectives include to following:</p> <ul style="list-style-type: none"> • To rehabilitate the prospecting site to its natural or predetermined state, or to a land use that conforms to the generally accepted principle of sustainable development through restoration, remediation, rehabilitation and stabilisation. • To prevent the sterilization of any ore reserves; • 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 ensure that environmental damages are minimised to such an extent that all the affected parties are satisfied; • To ensure that prospecting site closure is achieved efficiently, cost effectively and in compliance with the law. • To manage the social impacts resulting from the prospecting site closure, to such an extent that it facilitates a socially stable community, in line with the principles of sustainable development.
<p>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.</p>	<p>The total extent of the Proposed Prospecting Right area is ± 9000 ha, of which approximately only 120 ha is expected to be transformed by prospecting activities. Rehabilitation will however take place progressively and therefore it is estimated that not more than 5 ha will be in need of rehabilitation at the time of site closure. A site rehabilitation plan will be included in the EIA report and will match the various requirements set out in the National Environmental Management Act (No 107 of 1998) (NEMA) Regulations pertaining to the financial provision for prospecting, exploration, mining or production operations (as amended in 2015).</p>
<p>Rehabilitation Cost Describe how the rehabilitation cost will be determined and provide a preliminary estimated thereof.</p>	<p>The rehabilitation and closure costing will be determined using a cost estimation model in line with the DMR's "Guideline Document for the Evaluation of the Quantum of Closure-related Financial Provision Provided by a Mine". The cost estimation model considers various closure components typically related to standard prospecting/mining activities, such as: dismantling and demolition of mine infrastructure, rehabilitation of roads, backfilling open pits, water management and aftercare. The closure costing will also adhere to the latest amended NEMA Regulations pertaining to the financial provision for prospecting, exploration, mining or product operations. The closure cost is estimated to be no more than R 500 000.</p>
<p>Decommissioning Considering that rehabilitation must</p>	<p>The last phase of the proposed prospecting operation, namely the decommissioning- and closure phase, will consist mainly of the</p>

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.

following activities:

- 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 re-establishment of vegetation is unacceptably slow.



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

Name of company (if applicable):

17 July 2018 _____

Date:

APPENDIX 1

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: 17 July 2018

APPENDIX 1 CONTINUE

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 Mining 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 Millin 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 BRAKFORTEIN 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

WG (Bill) Bartholomew
PO Box 10034
OUDTSHOORN
6620
Tel: +27(0)44 272 3054
Mobile: +27(0)84 466 4411
Fax: +27(0)86 608 8411
email: bartholomew@telkomsa.net

Hennie van Wyk
Member : Diacor CC
Mobile: +27(0)828201879
Email : hennie@goodhopereserve.co.za

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 LOCALITY MAP OF APPLICATION AREA

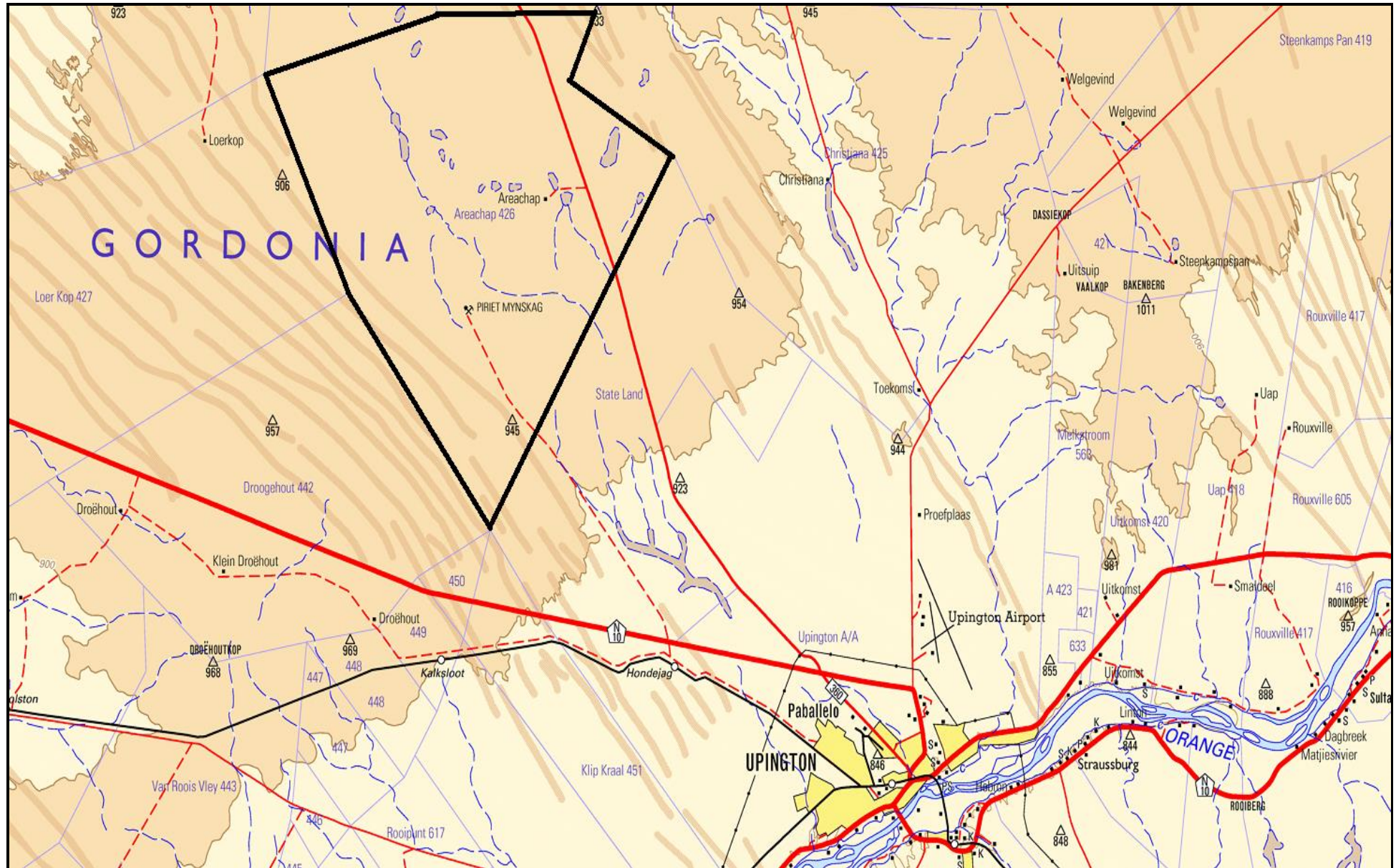


Figure 1: MAP Image – indication location of prospecting application indicated in black

APPENDIX 3 ENVIRONMENTAL AUTHORIZATION FOR SAME PROPERTY

APPENDIX 4 SITE PLAN LOCATION OF ALL ACTIVITIES TO BE APPLIED FOR

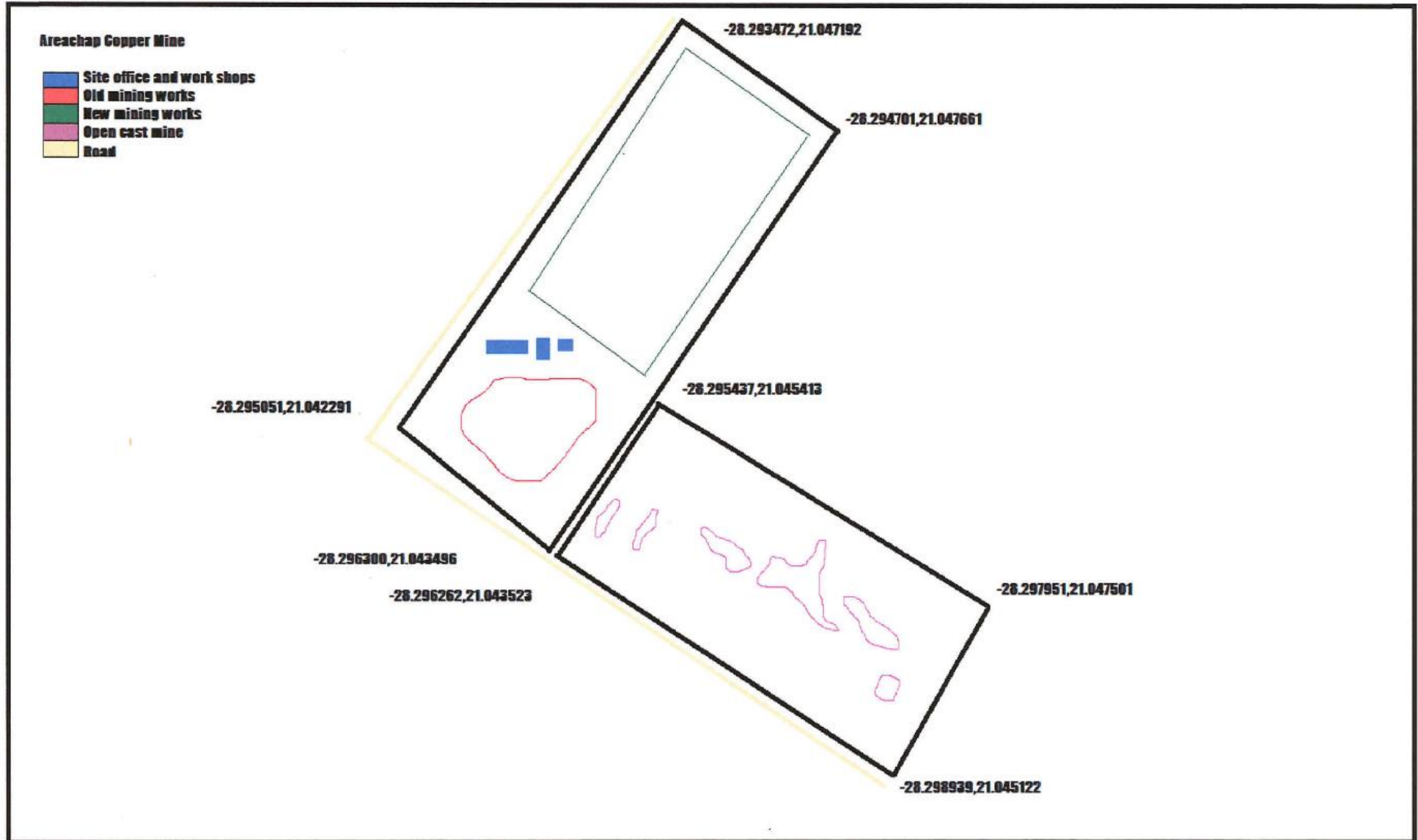


Figure 2: Site plan of location of all activities to be applied for

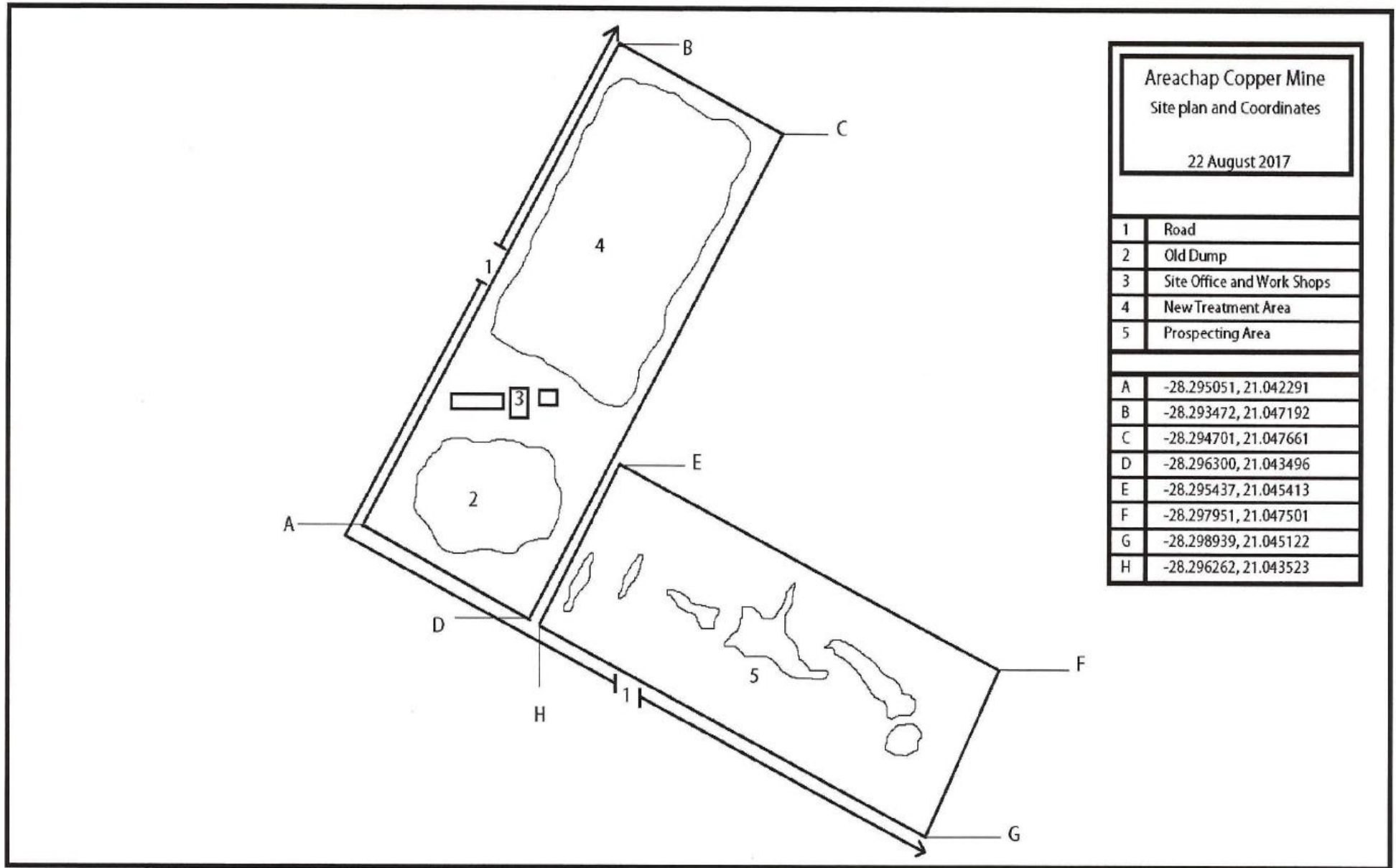


Figure 3 : Site Plan Coordinates

