



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 nor licences 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 provided 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	<input type="checkbox"/>
NEMA BAR application on its own	R 2 000.00	<input checked="" type="checkbox"/>
NEMWA S&EIR application on its own	R10 000.00	<input type="checkbox"/>
NEMWA BAR application on its own	R 2 000.00	<input type="checkbox"/>
NEMA S&EIR application combined with NEMWA S&EIR application	R 15 000.00	<input type="checkbox"/>
NEMA BAR application combined with NEMWA BAR application	R 3 000.00	<input type="checkbox"/>
NEMA S&EIR application combined with NEMWA BAR application	R 11 000.00	<input type="checkbox"/>

1. CONSULTATION BASIC ASSESSMENT AND/ OR SCOPING REPORT

Consultation Basic Assessment Process

2. DETAILS OF THE APPLICANT

Project applicant:	K2018010850 (SOUTH AFRICA) (Pty) Ltd		
Registration no (if any):	2018/010850/07		
Trading name (if any):	N/A		
Responsible Person, (e.g. Director, CEO, etc.):	Jonathan Knowlden		
Contact person:	Jonathan Knowlden		
Physical address:	Cube Workspace, 1 Wedgewood Link, Bryanston, Johannesburg, 2191		
Postal address:	PO Box 1658, Witkoppen, Johannesburg		
Postal code:	2068	Cell:	+ 27 (0) 82 574 3146
Telephone:	+27 (11) 699 5720	Fax:	011 388 3962
E-mail:	jonathan@bauba.co.za		

3. ENVIRONMENTAL ASSESSMENT PRACTITIONER (EAP) INFORMATION

EAP:	Nicole Upton		
Professional affiliation/registration:	None		
Contact person (if different from EAP):	Nicole Upton		
Company:	Red Kite Environmental Solutions (Pty) Ltd		
Physical address:	2055 Cura Avenue, Equestria, 0084		
Postal address:	P.O. Box 32677, Totiusdal, Pretoria		
Postal code:	0134	Cell:	079 555 2433
Telephone:	079 555 2433	Fax:	
E-mail:	nicole@redkiteconsulting.co.za		

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**.

SEE "APPENDIX 1" ATTACHED HERETO.

4. PROJECT DESCRIPTION

Farm Name:	<table border="1"> <thead> <tr> <th data-bbox="510 297 1054 331">Farm Name</th> <th data-bbox="1054 297 1439 331">Farm Portion</th> </tr> </thead> <tbody> <tr> <td data-bbox="510 331 1054 365">Hartebeestfontein</td> <td data-bbox="1054 331 1439 365">RE/2/445</td> </tr> <tr> <td data-bbox="510 365 1054 398">Hartebeestfontein</td> <td data-bbox="1054 365 1439 398">RE/28/445</td> </tr> <tr> <td data-bbox="510 398 1054 432">Hartebeestfontein</td> <td data-bbox="1054 398 1439 432">36/445</td> </tr> <tr> <td data-bbox="510 432 1054 465">Hartebeestfontein</td> <td data-bbox="1054 432 1439 465">48/445</td> </tr> <tr> <td data-bbox="510 465 1054 499">Hartebeestfontein</td> <td data-bbox="1054 465 1439 499">RE/50/445</td> </tr> <tr> <td data-bbox="510 499 1054 533">Hartebeestfontein</td> <td data-bbox="1054 499 1439 533">51/445</td> </tr> <tr> <td data-bbox="510 533 1054 566">Hartebeestfontein</td> <td data-bbox="1054 533 1439 566">98/445</td> </tr> <tr> <td data-bbox="510 566 1054 600">Hartebeestfontein</td> <td data-bbox="1054 566 1439 600">99/445</td> </tr> <tr> <td data-bbox="510 600 1054 633">Hartebeestfontein</td> <td data-bbox="1054 600 1439 633">RE/100/445</td> </tr> <tr> <td data-bbox="510 633 1054 667">Hartebeestfontein</td> <td data-bbox="1054 633 1439 667">166/445</td> </tr> <tr> <td data-bbox="510 667 1054 701">Hartebeestfontein</td> <td data-bbox="1054 667 1439 701">170/445</td> </tr> <tr> <td data-bbox="510 701 1054 734">Hartebeestfontein</td> <td data-bbox="1054 701 1439 734">RE/176/445</td> </tr> <tr> <td data-bbox="510 734 1054 768">Hartebeestfontein</td> <td data-bbox="1054 734 1439 768">178/445</td> </tr> <tr> <td data-bbox="510 768 1054 801">Hartebeestfontein</td> <td data-bbox="1054 768 1439 801">199/445</td> </tr> <tr> <td data-bbox="510 801 1054 835">Hartebeestfontein</td> <td data-bbox="1054 801 1439 835">238/445</td> </tr> <tr> <td data-bbox="510 835 1054 869">Hartebeestfontein</td> <td data-bbox="1054 835 1439 869">239/445</td> </tr> </tbody> </table>	Farm Name	Farm Portion	Hartebeestfontein	RE/2/445	Hartebeestfontein	RE/28/445	Hartebeestfontein	36/445	Hartebeestfontein	48/445	Hartebeestfontein	RE/50/445	Hartebeestfontein	51/445	Hartebeestfontein	98/445	Hartebeestfontein	99/445	Hartebeestfontein	RE/100/445	Hartebeestfontein	166/445	Hartebeestfontein	170/445	Hartebeestfontein	RE/176/445	Hartebeestfontein	178/445	Hartebeestfontein	199/445	Hartebeestfontein	238/445	Hartebeestfontein	239/445
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Application area (Ha)	298.50 ha																																		
Magisterial district:	Bojanala Platinum District Municipality Madibeng Magisterial District																																		
Distance and direction from nearest town	8 km south of Brits and 5 km north of Schoemansville																																		
21 digit Surveyor General Code for each farm portion	TOJQ00000000044500002 TOJQ00000000044500028 TOJQ00000000044500036 TOJQ00000000044500048 TOJQ00000000044500050 TOJQ00000000044500051 TOJQ00000000044500098 TOJQ00000000044500099 TOJQ00000000044500100 TOJQ00000000044500166 TOJQ00000000044500170 TOJQ00000000044500176 TOJQ00000000044500178 TOJQ00000000044500199 TOJQ00000000044500238 TOJQ00000000044500239																																		
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 Mining Right, Mining Permit, Prospecting right, Bulk Sampling, Production Right, Exploration Right, Reconnaissance permit, Technical co-operation permit, Additional listed activity)	PROSPECTING RIGHT DESCRIPTION OF PROSPECTING METHOD																																		

	<p>The prospecting of the area will occur over a three year period. The prospecting process will only consist of non-invasive activities. The non-invasive activities will include:</p> <ul style="list-style-type: none"> • Phase 1: <ul style="list-style-type: none"> ○ Investigate possible sources for historical data [Year 1: 2 months] ○ Inventorise, capture and QA/QC historical data [Year 1: 4 months] ○ Data synthesis and database creation [Year 1: 4 months] ○ Desktop study [Year 1: 2 months] • Phase 2: <ul style="list-style-type: none"> ○ 2.1 Surface mapping and sampling [Year 2: 7 months] ○ 2.2 Interpretation of field mapping and sample analysis results [Year 2: 5 months] • Phase 3: <ul style="list-style-type: none"> ○ 3.1 Create a 3D geological model [Year 3: 7 months] ○ 3.2 Resource estimation and reporting [Year 3: 5 months] <p>During phase 2 of the prospecting surface mapping and sampling will take place. A comprehensive field visit will be conducted whereby the outcrops will be mapped and sampled. A detailed field-based map will be compiled highlighting the relevant stratigraphic units in the project area. Surface samples will be sent for analysis.</p> <p>No excavations, pits, trenches or boreholes will be constructed as part of this Prospecting Right application. Refer to Mining Works Programme submitted for the application.</p>
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5. ACTIVITIES TO BE AUTHORISED

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

N/A

(For an application for authorisation indicated. Please ensure that involves more than one listed activity that, together, make up one development proposal, all the listed activities pertaining to this application must be included. Please 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**)

Location of surface sampling areas to be confirmed.

NAME OF ACTIVITY (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 mining, - 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.)	Aerial extent of the Activity Ha or m ²	LISTED ACTIVITY (Mark with an X where applicable or affected).	APPLICABLE LISTING NOTICE (GNR 324, GNR325 or GNR 327)	WASTE MANAGEMENT AUTHORISATION (Indicate whether an authorisation is required in terms of the Waste Management Act). (Mark with an X)
<p>Prospecting - Any activity which requires a prospecting right in terms of section 16 of the Mineral and Petroleum Resources Development Act, 2002 (Act No. 28 of 2002).</p> <p>Non-invasive prospecting methods will be used, with surface sampling.</p>	Extent of the application area: 298.50 ha	X	GNR 327 – Activity No. 20	N/A

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 No other infrastructure is found near the area applied for.
Will the Provincial Department responsible for the environment be consulted?	X	
Will all of the parties identified above be provided with a description of the proposed mining /prospecting operation as referred above?	X	
Will all the parties identified above be requested in writing to provide information as to how their interests (whether it be socio-economic, cultural, heritage or environmental) will be affected by the proposed mining project?	X	
Other, Specify	No other infrastructure is found near the area applied for.	

6.1.2. DETAILS OF THE ENGAGEMENT PROCESS TO BE FOLLOWED

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)	PROVIDE DESCRIPTION HERE Public Participation Process to be undertaken: <ul style="list-style-type: none"> • Advertise in local newspaper or Gazette and on site; • Give notice, in writing, of the proposed application to any organ of state which has jurisdiction in respect of any aspect of the activity; • Open and maintain a register of all interested and affected parties in respect of the application; • Consider all objections and representation received from I&APs; • Give all registered I&APs an opportunity to comment on the draft BAR;
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	<ul style="list-style-type: none"> Public participation meeting/s will be held where all I&APs will be given an opportunity to discuss the draft reports, review same and comment; Focus group meetings will be held with certain target groups or individual parties where necessary; and I&APs will be afforded further opportunities to comment on the project before submission to authorities for Record of Decision.
Information to be provided to Interested and Affected Parties.	Compulsory <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; and 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.
	Other, specify: Background Information Document, Prospecting Work Programme.
Information to be required from Interested and Affected Parties.	Compulsory <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 and requested to make written proposals; and 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
Environmental attributes. Describe how the Environmental attributes associated with the development footprint will be determined.	<p>The environmental attributes associated with the development footprint will be determined through review of existing information, a site visit to the property and specialist studies (where applicable) where consideration will be given to the existing environment and impacts of sensitive areas.</p> <p>Baseline environmental information identification:</p> <ul style="list-style-type: none"> • Specialist studies (where applicable); • Site inspections; • Literature review (existing information/records and existing databases from government and other information resources agencies); and • Interviews with local inhabitants and landowners and feedback during Public Participation Process.
Identification of impacts and risks. (Describe the process that will be used to identify impacts and risks.	<p>Considering the baseline environment, all proposed activities will be evaluated against the environmental attributes (provisional list provided below but will be finalised based on above process) to identify potential impacts / risks. These impacts / risks will be subject to a screening process and classified as either insignificant, uncertain, or potentially significant impacts / risks.</p> <p>Environmental Attributes:</p> <ul style="list-style-type: none"> • Aesthetics / visual effects; • Sites of heritage & cultural interest; • Air Quality; • Soil; • Ecology / Fauna and Flora; • Socio-economic considerations; • Geological features; • Surface water; • Groundwater; • Topography; • Noise / Sound levels; and • Sensitive receptors. <ol style="list-style-type: none"> 1. Conduct Screening Level Environmental Impact / Risk Assessment: <ol style="list-style-type: none"> 1.1. Identification of Possible Environmental Impacts and Risks; 1.2. Process and Input; 1.3. Ranking of Impacts and Risks; 2. Conduct Second Level Impact / Risk Assessment: <ol style="list-style-type: none"> 1.1. Sampling, Data Collection and Monitoring; 1.2. Assumptions and Measurements; 1.3. Quantitative Risk Assessment; 3. Determine Acceptability of Impacts and Risks <ol style="list-style-type: none"> 3.1. Acceptable Risks with no Mitigation 4. Re-evaluation of Uncertain Impacts / Risk: <ol style="list-style-type: none"> 4.1. Potential Significant Risks; 4.2. Insignificant Risks;

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	<div>5. Determine Status of Insignificant Impacts / Risks:<div>5.1. Status of Insignificant Risks; and</div></div> <div>6. Alternative Risk Prevention and Management Strategies.</div>																																																																				
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.	<div>A number of alternatives will be considered during preliminary planning for the prospecting activities. These alternatives, as well as reasons for their exclusion from further consideration, will be summarised in the reports. Layouts alternatives will take environmental sensitivities into account in considering the proposed footprint.</div> <div>Alternatives to be considered:<div><div>1. Site selection;</div><div>2. Prospecting Methods;</div><div>3. Mineral Analysis Methods;</div><div>4. Equipment, Transport, Power and Water Supply; and</div><div>5. No-go option.</div></div></div>																																																																				
Process to assess and rank impacts. Describe the process to be undertaken to identify, assess and rank the impacts and risks each individual activity.	<div>Table 1: Impact Assessment Criteria</div> <table><tr><th rowspan="2">Assessment</th><th rowspan="2">Definition</th><th colspan="5">Quantification</th></tr><tr><th>1</th><th>2</th><th>3</th><th>4</th><th>5</th></tr><tr><td>Environment Type</td><td>Type of environment anticipated to be impacted</td><td>Degraded sites/ heavy industrial areas/ high density townships</td><td>High density residential/ retail and office complexes/ central business districts industrial/ large- scale agriculture</td><td>Medium density residential/ light industrial/ office parks/ sports facilities medium- scale agriculture</td><td>Low density residential/ small- scale agricultural/ small holdings</td><td>Greenfield sites/ nature reserves/ protected areas/ natural recreational facilities</td></tr><tr><td>Intensity</td><td>The potential of the impact to cause harm</td><td>Negligible Impact</td><td>Minor Impact</td><td>Moderate Impact</td><td>High Impact</td><td>Severe/ Irreversible</td></tr><tr><td>Extent</td><td>The spatial extent or population extent of an impact</td><td>Within project area (<500m from project)</td><td>Surrounding area (500m – 1km radius)</td><td>Outside project area (1 – 5km radius)</td><td>Regional and provincial (5 – 50km radius)</td><td>National or international (>50km radius)</td></tr><tr><td>Duration</td><td>The period the impact will interact with the receiving environment</td><td>Immediate (days)</td><td>Short term (weeks)</td><td>Medium term (months)</td><td>Long term (years)</td><td>Beyond life of project</td></tr><tr><td>Probability</td><td>The likelihood of the impact occurring</td><td>Rare</td><td>Unlikely</td><td>Possible</td><td>Likely</td><td>Almost certain</td></tr></table> <div>Table 2: Significance matrix</div> <table><tr><th rowspan="4">Likelihood</th><th colspan="5">Consequence</th></tr><tr><td>2 – 6</td><td>5 – 8</td><td>9 – 11</td><td>12 – 15</td><td>14 – 17</td></tr><tr><td>5 – 8</td><td>9 – 11</td><td>12 – 15</td><td>14 – 17</td><td>18 – 21</td></tr><tr><td>9 – 11</td><td>12 – 15</td><td>14 – 17</td><td>18 – 21</td><td>20 – 23</td></tr></table>	Assessment	Definition	Quantification					1	2	3	4	5	Environment Type	Type of environment anticipated to be impacted	Degraded sites/ heavy industrial areas/ high density townships	High density residential/ retail and office complexes/ central business districts industrial/ large- scale agriculture	Medium density residential/ light industrial/ office parks/ sports facilities medium- scale agriculture	Low density residential/ small- scale agricultural/ small holdings	Greenfield sites/ nature reserves/ protected areas/ natural recreational facilities	Intensity	The potential of the impact to cause harm	Negligible Impact	Minor Impact	Moderate Impact	High Impact	Severe/ Irreversible	Extent	The spatial extent or population extent of an impact	Within project area (<500m from project)	Surrounding area (500m – 1km radius)	Outside project area (1 – 5km radius)	Regional and provincial (5 – 50km radius)	National or international (>50km radius)	Duration	The period the impact will interact with the receiving environment	Immediate (days)	Short term (weeks)	Medium term (months)	Long term (years)	Beyond life of project	Probability	The likelihood of the impact occurring	Rare	Unlikely	Possible	Likely	Almost certain	Likelihood	Consequence					2 – 6	5 – 8	9 – 11	12 – 15	14 – 17	5 – 8	9 – 11	12 – 15	14 – 17	18 – 21	9 – 11	12 – 15	14 – 17	18 – 21	20 – 23
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<p>Table 3: Significance Rating</p> <table><tr><th colspan="2">Environmental Significance</th><th>Description of Rating</th></tr><tr><td>2 – 8</td><td>Low Significance</td><td>No specific management action required</td></tr><tr><td>9 – 11</td><td>Medium-low Significance</td><td>Administrative management actions required</td></tr><tr><td>12 – 17</td><td>Medium Significance</td><td>Management and monitoring action plans required</td></tr><tr><td>18 – 23</td><td>Medium-high significance</td><td>Specific management and monitoring plans required</td></tr><tr><td>24 – 30</td><td>High Significance</td><td>Detailed management and monitoring plans required, potential red flag impact</td></tr></table> <p>Risk assessment involves the calculation of the magnitude of potential consequences (levels of impacts) and the likelihood (levels of probability) of these consequences to occur. Risk = Consequence + Likelihood; where: (i) likelihood is the probability of occurrence of an impact that affects the environment; and, (ii) consequence is the environmental impact if an event occurs.</p> <p>Consequence can be calculated as the sum of the risk levels comprising environment type, nature, extent and duration of the potential impact. Likelihood can be calculated as the sum of the risks of frequency and probability of the impact occurring. The likelihood and consequence can input into a matrix in order to identify the significance of the risk occurring.</p> <p>The C + L matrix method therefore combines the scores from the qualitative or semi-quantitative ratings of consequence (levels of impact) and the likelihood (levels of probability) that a specific consequence will occur (not just any consequence) to generate a risk score and risk rating.</p>	Environmental Significance		Description of Rating	2 – 8	Low Significance	No specific management action required	9 – 11	Medium-low Significance	Administrative management actions required	12 – 17	Medium Significance	Management and monitoring action plans required	18 – 23	Medium-high significance	Specific management and monitoring plans required	24 – 30	High Significance	Detailed management and monitoring plans required, potential red flag impact		12 – 15	14 – 17	18 – 21	20 – 23	24 – 27
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		14 – 17	18 – 21	20 – 23	24 – 27	26 – 30																		
<p>Contribution of specialist reports Describe how specialist reports, if required, will be taken into consideration and inform the impact identification, assessment and remediation process.</p>	<p>Currently it is not anticipated that any specialist studies will be required for the application, as only non invasive prospecting methods will be employed. No impacts to the natural environment are expected.</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>As stated above, the significance of the effects resulting from impact / risks will be ranked using a ranking tool. The significance ranking of the impact will then determine where / for which activities management objectives are required (see table below).</p> <table><tr><th colspan="2">Environmental Significance</th><th>Description of Rating</th></tr><tr><td>2 – 8</td><td>Low Significance</td><td>No specific management action required</td></tr><tr><td>9 – 11</td><td>Medium-low Significance</td><td>Administrative management actions required</td></tr><tr><td>12 – 17</td><td>Medium Significance</td><td>Management and monitoring action plans required</td></tr><tr><td>18 – 23</td><td>Medium-high significance</td><td>Specific management and monitoring plans required</td></tr><tr><td>24 – 30</td><td>High Significance</td><td>Detailed management and monitoring plans required, potential red flag impact</td></tr></table>						Environmental Significance		Description of Rating	2 – 8	Low Significance	No specific management action required	9 – 11	Medium-low Significance	Administrative management actions required	12 – 17	Medium Significance	Management and monitoring action plans required	18 – 23	Medium-high significance	Specific management and monitoring plans required	24 – 30	High Significance	Detailed management and monitoring plans required, potential red flag impact
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8. OTHER AUTHORISATIONS REQUIRED

LEGISLATION	Mark with an X where applicable			
	AUTHORISATION REQUIRED		APPLICATION SUBMITTED	
	YES	NO	YES	NO
SEMA s		X		X
National Environmental Management: Air Quality Act		X		X
National Environmental Management: Biodiversity Act		X		X
National Environmental Management: Integrated Coastal Management Act		X		X
National Environmental Management: Protected Areas Act		X		X
National Environmental Management: Waste Act		X		X
National legislation				
Mineral Petroleum Development Resources Act	X		This application	
National Water Act		X		X
National Heritage Resources Act		X		X
Others: Please specify		X		X

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

In the event that an authorization 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.

N/A

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.

ACTIVITIES (E.g. For prospecting - drill site, site camp, ablution facility, accommodation, equipment storage, sample storage, site office, access route etc. E.g. for mining, - 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.)	PHASE (of operation in which activity will take place). State; Planning and design, Pre-Construction, Construction, Operational, Rehabilitation, Closure, Post closure.	SIZE AND SCALE (of Disturbance) (volumes, tonnages and hectares or m²)	TYPICAL MITIGATION MEASURES (E.g., storm water control, dust control, noise control, access control, rehabilitation etc.)	COMPLIANCE WITH STANDARDS (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>Prospecting - Any activity which requires a prospecting right in terms of section 16 of the Mineral and Petroleum Resources Development Act, 2002 (Act No. 28 of 2002).</p> <p>Non-invasive prospecting methods will be used, with surface sampling.</p>	<p>Operational Rehabilitation</p>	<p>Extent of the application area: 298.50 ha</p>	<p>Environmental considerations will be taken into account after consultation with IAPs and assessment of impacts.</p> <ul style="list-style-type: none"> • Surface sampling is to be undertaken in a manner that causes the minimum ground and vegetation disturbance. • Should any rehabilitation be required, it must be undertaken concurrently, before moving on to other sampling areas. • Exact location of surface sampling will be determined through communication with the land owner. • Speed limits must be set and adhered to when traveling in and around the prospecting area. • Disturbed areas to be rehabilitated to state it was in prior to prospecting activities taking place • Take pictures before and after rehabilitation 	<p>Mineral and Petroleum Resources Development Act, 2002 (Act No. 28 of 2002).</p> <p>Mine Health & Safety Act</p> <p>The National Environmental Management Act (Act No 107 of 1998)</p> <p>National Water Act (Act no 36 of 1998)</p>

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	<p>The baseline environment associated with the prospecting right area will be determined through review of existing information and a site visit to the property where consideration will be given to the existing environment and impacts of sensitive areas. The findings will be included in the BAR and EMPr report that will form part of the information that will be sent to registered Interested and Affected Parties and key departments who would be given an opportunity to confirm the correctness of the information as well as to give additional information for further assessment.</p> <ul style="list-style-type: none"> Engage with land owners and other interested and affected parties to obtain local knowledge of the area. Information on the socio-economic, cultural and heritage as well as the biophysical environment will be solicited. Land use and land management practices identification.
Closure objectives Describe the closure objectives and the extent to which they will be aligned to the baseline environment	<p>The vision, and consequent objective and targets for rehabilitation, decommissioning and closure, aim to reflect the local environmental and socio-economic context of the project, and to represent both the corporate requirements and the stakeholder expectations.</p> <p>Stakeholders will be consulted during the public participation process for the BAR and their comments relating to closure, decommissioning and rehabilitation will be considered and included in the BAR. Considering the environmental context of the project and the feedback from the consultation process the vision for closure is to ensure that the post closure land use and conditions remains the same as it was prior to the prospecting taking place.</p> <p>Driven by the closure vision and with due consideration of the project context, the following closure objectives are presented:</p> <ul style="list-style-type: none"> Ensure that ecosystem condition is returned to or maintained in the same condition as it was prior to prospecting activities.
Rehabilitation Plan Describe the scale and aerial extent of the prospecting or mining listed activities to be authorised, including the anticipated prospecting or mining 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>The Prospecting Right area is 298.50 ha in extent.</p> <p>The prospecting method to be used is non-invasive and only surface samples will be collected for analyses. No excavations, pits, trenches or boreholes will be constructed as part of this Prospecting Right application. Refer to Prospecting Works Programme submitted for the application.</p> <p>Impacts from surface sampling on the Prospecting Right area are not expected to have any significant impact on the natural environment. Thus, no rehabilitation is envisaged for the project, however, should any rehabilitation be required during the surface sampling phase, the sampling area will be rehabilitated prior to moving on to the next sampling area.</p>

	It is confirmed that a site rehabilitation plan drawn to a suitable scale will be provided in the draft EMPr to be submitted together with the draft Basic Assessment Report.																																												
Rehabilitation Cost Describe how the rehabilitation cost will be determined and provide a preliminary estimate thereof	Financial provisioning will be calculated as per the methodology set out in the NEMA Financial Provision for Rehabilitation Regulations 1147 of 20 November 2015. <table border="1"> <thead> <tr> <th>Description</th><th>Quantity (m²)</th><th>Rate (R)</th><th>Cost (R)</th></tr> </thead> <tbody> <tr> <td colspan="4">Phase 1: Closure and rehabilitation</td></tr> <tr> <td>To be confirmed</td><td>N/A</td><td>N/A</td><td>N/A</td></tr> <tr> <td colspan="4">Phase 2: Monitoring, Maintenance and Relinquishment</td></tr> <tr> <td>2 years of maintenance and aftercare</td><td>100</td><td>R50.00</td><td>R5,000.00</td></tr> <tr> <td>Subtotal 1</td><td></td><td></td><td>R5,000.00</td></tr> <tr> <td>Contingency (10%)</td><td></td><td></td><td>R500.00</td></tr> <tr> <td>Preliminary and general (12%)</td><td></td><td></td><td>R600.00</td></tr> <tr> <td>Subtotal 2</td><td></td><td></td><td>R6,100.00</td></tr> <tr> <td>VAT (15%)</td><td></td><td></td><td>R915.00</td></tr> <tr> <td>Grand Total</td><td></td><td></td><td>R7,015.00</td></tr> </tbody> </table> <p>Note that the above calculations are preliminary and will be updated as information is gathered through the assessment process.</p>	Description	Quantity (m²)	Rate (R)	Cost (R)	Phase 1: Closure and rehabilitation				To be confirmed	N/A	N/A	N/A	Phase 2: Monitoring, Maintenance and Relinquishment				2 years of maintenance and aftercare	100	R50.00	R5,000.00	Subtotal 1			R5,000.00	Contingency (10%)			R500.00	Preliminary and general (12%)			R600.00	Subtotal 2			R6,100.00	VAT (15%)			R915.00	Grand Total			R7,015.00
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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 mining activity.	<ul style="list-style-type: none"> Rehabilitation of sampling sites - immediately after completion of sampling and prior to moving on to next sampling area. General surface rehabilitation - concurrent with prospecting activities. 																																												

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

 Name of company (if applicable):

 Date:

APPENDIX 1: DECLARATION OF THE EAP AND CURRICULUM VITAE

I, Nicole Upton, 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

- 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;



Signature of the environmental assessment practitioner:

Red Kite Environmental Solutions (Pty) Ltd

Name of company:

25/11/2019

Date:

APPENDIX 2: LOCALITY MAP