



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.

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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	R 2 000.00	X
NEMWA S&EIR application on its own	R10 000.00	
NEMWA BAR application on its own	R 2 000.00	
NEMA S&EIR application combined with NEMWA S&EIR application	R 15 000.00	
NEMA BAR application combined with NEMWA BAR application	R 3 000.00	
NEMA S&EIR application combined with NEMWA BAR application	R 11 000.00	

1 CONSULTATION BASIC ASSESSMENT REPORT.**2 DETAILS OF THE APPLICANT.**

Project applicant:	Black Earth Mining (Pty) Ltd	
Registration no (if any):	2025 / 592842 / 07	
Trading name (if any):	N/A	
Responsible Person, (e.g. Director, CEO, etc):	Quintin van der Walt	
Contact person:	Quintin van der Walt	
Physical address:	Office 5A, Southdowns Office Park 22 Karee Street, Irene 0157	
Postal address:	Office 5A, Southdowns Office Park 22 Karee Street, Irene 0157	
Postal code:	0305	
Telephone:	N/A	Cell: 0823335330
E-mail:	Quintin@aimprojects.co.za	Fax:

3 ENVIRONMENTAL ASSESSMENT PRACTITIONER (EAP) INFORMATION.

EAP:	Vumile Ribeiro	
Professional affiliation/registration:	Environmental Assessment Practitioners Association of South Africa (EAPASA Reg: 22019/1183)	
Contact person (if different from EAP):	Vumile Ribeiro	
Company:	Niara Environmental Consulting (Pty) Ltd	
Physical address:	Office Suite 1, Palm Place Office Park, 22 Bram Fischer, Linden. JHB	
Postal address:	Office Suite 1, Palm Place Office Park, 22 Bram Fischer, Linden. JHB	
Postal code:	0001	
Telephone:		Cell: +27 82 767 2786
E-mail:	vumile@niara.co.za	Fax:

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**.

PROJECT DESCRIPTION.

Farm Name:	Prospecting Right Area comprises of portions of the farms Reingeluk No. 430, Wit-Klip No. 14 and Orange Fall No. 16		
Application area (Ha)	13103,2213 ha		
Magisterial district:	Kenhardt and Gordonia Magisterial District Z F Mgcawu District Municipality Kai !Garib Local Municipality		
Distance and direction from nearest town	The prospective site is located approximately 27 km West of Kakamas and 13 km Southwest of Augrabies		
21 digit Surveyor General Code for each farm portion	C0360000000001600005	Orange Fall No. 16 Portion 5	
	C0360000000001600036	Orange Fall No. 16 Portion 36	
	C0360000000001600053	Orange Fall No. 16 Portion 53	
	C03600000000043000000	Reingeluk No. 430 Remaining Extent	
	C0360000000001400002	Wit-Klip No.14 Portion 2	
	C0360000000001400003	Wit-Klip No.14 Portion 3	
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)	<p>Prospecting Right (PR) for copper (Cu) Cobalt (Co), Silver (Ag), Gold (Au), Nickel (Ni), Platinum Group Metals (PGMs), Uranium (U) within the Regional Department of Mineral and Petroleum Resources (DMPR Northern Cape Region) in respect to portions of the farms Reingeluk No. 430, Wit-Klip No. 14 and Orange Fall No. 16, situated within the ZF Mgcawu District Municipality and the Kai !Garib Local Municipality, Northern Cape Province, South Africa.</p> <p>Prospecting aims to determine if economically viable mineral deposits exist within an application area. In order to undertake prospecting activities, an applicant requires a Prospecting Right in terms of the MPRDA. An applicant is also required to obtain an Environmental Authorisation (EA) in terms of the National Environmental Management Act ("NEMA", Act No.107 of 1998) which involves the submission of a Basic Assessment Report ("BAR").</p>		

4 ACTIVITIES TO BE AUTHORISED.

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

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

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 m²	LISTED ACTIVITY (Mark with an X where applicable or affected).	APPLICABLE LISTING NOTICE (GNR 544, GNR 545 or GNR 546)	WASTE MANAGEMENT AUTHORISATION (Indicate whether an authorisation is required in terms of the Waste Management Act). (Mark with an X)
Any activity including the operation of that activity which requires a prospecting right in terms of section 16 of the Mineral and Petroleum Resources Development Act, 2002 (Act No. 28 of 2002), including associated infrastructure, structures and earthworks, directly related to prospecting of a mineral resource, including activities for which an exemption has been issued in terms of section 106 of the Mineral and Petroleum Resources Development Act, 2002 (Act No. 28 of 2002).	13103,2213 Ha	X	GNR 983 – Listing 20	n/a
Drill site clearing and establishment, mobile chemical ablution facility, drill rig equipment, return water lined sump, and sample storage trays.	1562.5 m ²	X	GNR 983 – Listing Activity 20	n/a

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 m²	LISTED ACTIVITY (Mark with an X where applicable or affected).	APPLICABLE LISTING NOTICE (GNR 544, GNR 545 or GNR 546)	WASTE MANAGEMENT AUTHORISATION (Indicate whether an authorisation is required in terms of the Waste Management Act). (Mark with an X)
Soil Sampling Activities (A typical sampling site will be approximately 1m ²). It is unlikely that more than 10 samples will be taken, however, this will be confirmed on site as part of the prospecting activities.	50 m ²	X	GNR 983 – Listing Activity 12	
Roads (roads will be temporary gravel roads, not exceeding 3,5m in width)	Approx. 20 000 m ²	-	-	-
Temporary Camp Site	-	-	-	-
Site Clearance	Less than 20ha	X	GNR 983 – Listing Activity 27	-

5 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.

5.1 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?	n/a	
Will a tribal authority or host community that may be affected be consulted?	n/a	
Will recipients of land claims in respect of the area be consulted?	X	
Will the landowners or lawful occupiers of neighbouring properties have been 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 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:	The Department of Water Affairs will also be consulted during this application.	

5.2 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 6)</p>	<p>Task 1: I&AP identification, registration and the creation of an electronic database Public Participation is the involvement of all parties who are either potentially interested or affected by the proposed development. The principle objective of public participation is to inform and enrich decision-making. This is also its key role in the Environmental Impact Assessment (EIA) process. Generally, the following information is included: Interested and Affected parties (I&APs) representing the following sectors of society have been identified</p> <ul style="list-style-type: none"> • National, provincial and local government; • Agriculture, including local landowners; • Community Based Organisations; • Non-Governmental Organisations; • Water bodies; • Tourism; • Industry and mining; • Commerce; • Historically disadvantaged groups, including women, youth and the disabled; • Research; and • Other stakeholders. <p>Task 2: Announcement Phase</p> <ul style="list-style-type: none"> • Placing 4xA1 size site notices on the boundary of the property • Placing advertisements in one local and one regional newspaper • Written notification and distribution of Background Information Document and registration sheets • Commenting period <p>Task 3: Consultation with authorities and interested and affected parties</p> <ul style="list-style-type: none"> • Focus group meetings • Authority engagement and meetings <p>Task 4: Identification and recording of issues</p> <ul style="list-style-type: none"> • Compilation of a comments and response report • Final compilations of an Public Participation Report inclusive of all tasks
<p>Information to be provided to Interested and Affected Parties.</p>	<p>The following compulsory information will be made available to the Interested and Affected Parties</p> <ul style="list-style-type: none"> • The site plan. • List of activities to be authorised • Scale and extent of activities to be authorised • Typical impacts of activities to be authorised (e.g.surface disturbance, dust, noise, drainage, fly rock etc.) • The duration of the activity. • Sufficient detail of the intended operation to enable them to assess what impact the activities will have on them or on the use of their land). <p>Other, specify:</p> <ul style="list-style-type: none"> • Contact details and experience of the EAP to be engaged directly • Prospecting works programme • Process is being followed that triggered the requirement for a BA • Opportunity to visit the site for orientation purpose if required
<p>Information to be required from Interested and Affected Parties.</p>	<p>The following compulsory information will be requested from the Interested and Affected Parties;</p> <ul style="list-style-type: none"> • To provide information on how they consider that the proposed activities will impact on them or their socio-economic conditions • To provide written responses stating their suggestions to mitigate the anticipated impacts of each activity • To provide information on current land uses and their location within the area under consideration • To provide information on the location of environmental features on site to make proposals as to how and to what standard the impacts on site can be remedied. requested to make written proposals • To mitigate the potential impacts on their socio-economic conditions to make proposals as to how the potential impacts on their infrastructure can be managed, avoided or remedied). <p>Other, Specify:</p> <ul style="list-style-type: none"> • To list and identify any sensitive environmental features that the EAP should be made aware of • Give any additional comments which they feel necessary to bring under the attention of the EAP

6 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 following points list the different sources of information that will be used to determine the environmental attributes of the site;</p> <ul style="list-style-type: none"> • Background studies previously completed in the area will be referenced • Desktop research on environmental attributes of the area by means of accessing online sources • Previous studies conducted by the EAP for the same area will be referenced • Inputs and comments from interested and affected parties will be considered • GIS Scan of the area including the use of CPLAN, BGIS, ENPAT and NFEPA data • Historical aerial imagery analysis • Physical site assessment • Specialist Ecologist site visit • Wetland identification and delineation assessment
<p>Identification of impacts and risks. Describe the process that will be used to identify impacts and risks.</p>	<p>The way in which an EIA is carried out is not rigid: it is a process comprising a series of steps. These steps are outlined below and the techniques more commonly used in EIA are described in some detail in the section <i>Techniques</i>. The main steps in the EIA process are:</p> <ul style="list-style-type: none"> • screening • scoping • prediction and mitigation • management and monitoring • audit <p><u>To elaborate on the 5 steps associated with identification of impacts and risks to the environment, the following explanation could serve as basis:</u></p> <ul style="list-style-type: none"> • Screening often results in a categorization of the project and from this a decision is made on whether or not a full EIA is to be carried out. • Scoping is the process of determining which are the most critical issues to study and will involve community participation to some degree. It is at this early stage that EIA can most strongly influence the outline proposal. • Detailed prediction and mitigation studies follow scoping and are carried out in parallel with feasibility studies. • The main output report is called an <i>Environmental Management Plan</i>, and contains a detailed plan for managing and monitoring environmental impacts both during and after implementation. • Finally, an audit of the EIA process is carried out some time after implementation. The audit serves a useful feedback and learning function. <p>Techniques to be used include:</p> <ul style="list-style-type: none"> • Specialist baseline studies • Formal published guidelines • Inputs from Interested and Affected Parties • The application of risk and impact matrixes • Expert advice • GIS overlays and buffering
<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>Developing/weighing alternatives Alternatives must be looked at in different ways; find a new perspective that we haven't thought of before. Brainstorming, or rapid noting of alternatives no matter how silly, is an excellent discovery process. Once we have listed or mapped alternatives, we will be open to their possibilities. Notes will be taken throughout the process:</p> <ul style="list-style-type: none"> • need more information • are new solutions • can be combined or eliminated • will meet opposition • seem promising or exciting <p>Weigh Alternatives After listing possible alternatives, they will be evaluated without prejudice,</p> <p>Consider all criteria While a suitable solution may solve the problem, it may not work if resources aren't available, if people won't accept it, or if it causes new problems</p>

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	<p>Weighing alternatives will be done by applying Analytical Hierarchy Matrixes in order to rank and score alternatives according to certain parameters of which the anticipated environmental impact of each alternative will play a big role.</p> <p>Cost effective affordable alternatives with the least possible impact on the environment will then be considered.</p>																																																																																	
<p>Process to assess and rank impacts.</p> <p>Describe the process to be undertaken to identify, assess and rank the impacts and risks each individual activity.</p>	<p>The assessment and evaluation of environmental impacts is often complicated by the subjective nature of these impacts. Ideally, the degree of severity or significance of a particular impact should be expressed in quantitative terms, against a quantitative assessment of the conditions that pertained before a particular activity started.</p> <p>There must also be some expression as to whether a particular impact is desirable or not, as the desirability of an impact will depend largely on the attitude and experience of the assessment team, subjectivity is unavoidable.</p> <p>In order to address these issues and to provide a basis for comparison of the different impacts associated with the prospecting activities, a number of standard definitions and approaches will be used.</p> <table border="1" data-bbox="536 622 1394 1055"> <thead> <tr> <th>CATEGORY</th> <th>DESCRIPTION OR DEFINITION</th> </tr> </thead> <tbody> <tr> <td>Statement</td> <td>A brief written statement, stating which environmental aspect is impacted by a particular project activity or sequence of project activities.</td> </tr> <tr> <td>Type of Impact</td> <td>This defines what type of impact takes place. 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<u>Probability</u>		DESCRIPTION OR DEFINITION																																																																																
		The likelihood of the impact occurring																																																																																
Improbable	1	Low possibility because of design or historic experience																																																																																
Probable	2	Distinct probability to occur																																																																																
Highly probable	3	Most likely to occur																																																																																

ITEM	DESCRIPTION
	<p>Definitely 4 Will occur regardless of any prevention measures and/or there is a history of (an) incident/s and/or complaints</p> <hr/> <p>Significance This is integration (i.e.an opinion) of the severity, type, extent, probability and duration of the impact. It is the best judgment of whether the impact is important or not within the broad context, once mitigation is taken into account.</p> <p>By adding the value of the extent, duration, severity and probability, a significance value will be obtained for each impact. A significance rating is assigned twice to the impact. Firstly, to indicate significance without mitigation or optimization and secondly, to indicate significance after mitigation or optimization. This is done to highlight the importance of mitigation or optimization of potential impacts.</p> <hr/> <p>No impact A potential concern or impact, which, upon evaluation, is found to have no impact.</p> <hr/> <p>Very Low 1 - 4 Impacts will be of very low significance if the added values are between 1 and 4.</p> <hr/> <p>Low 5 - 8 Impacts will be of low significance if the added values are between 5 and 8.</p> <hr/> <p>Moderate 9 - 12 Impacts will be of moderate significance if the added values are between 9 and 12.</p> <hr/> <p>High 13 - 16 Impacts will be of high significance if the added values are between 13 and 16.</p> <hr/> <p>Very High 17 - 20 Impacts will be of very high significance if the added values are between 17 and 20.</p>
<p>Contribution of specialist reports.</p> <p>Describe how specialist reports, if required, will be taken into consideration and inform the impact identification, assessment and remediation process.</p>	<p>For EIA processes to retain their role and usefulness in supporting decision-making, the involvement of specialists contribution in EIA would be to;</p> <ul style="list-style-type: none"> • Add greater value to project planning and design; • Adequately evaluate reasonable alternatives; • Accurately predict and assess potential project benefits and negative impacts; • Provide practical recommendations for avoiding or adequately managing negative impacts and enhancing benefits; • Supply enough relevant information at the most appropriate stage of the EIA process to address adequately the key issues and concerns, and effectively inform decision-making in support of sustainable development. <p>It is important to note that not all EIA processes require specialist input; broadly speaking, specialist involvement is needed when the environment could be significantly affected by the proposed activity, where that environment is valued by or important to society, and/or where there is insufficient information to determine whether or not unavoidable impacts would be significant.</p> <p>Specialists can be involved for different purposes and at different intensities during various stages of the EIA process, regardless of whether the process is initiated before or upon submission of an application for statutory approval. Specialists can, therefore, provide input during pre-application planning or following the submission of an application for statutory approval of the proposed development (i.e. during screening, scoping and/or impact assessment).</p> <ul style="list-style-type: none"> • Pre-application planning stage, to identify environmental opportunities and constraints, alternatives and potential fatal flaws to the proposed project that should be considered during early project planning and design. • Screening stage, to assist decision-makers determine whether or not a proposed project requires environmental assessment and, if so, what level of assessment is required. • Scoping stage, to identify key issues and alternatives associated with a proposed project, to respond to issues raised by other stakeholders and, where further specialist input is required, to assist in drafting and reviewing specialist terms of reference. • Impact assessment stage, to predict and assess potential impacts of a proposed development and recommend management actions and monitoring programmes.

ITEM	DESCRIPTION
	<p>Depending on the nature of the project, the stage of project planning and the EIA process, the environmental context and the amount of available information, specialist involvement will vary in intensity (i.e. level of detail) and may include any or all of the following examples of approaches:</p> <ul style="list-style-type: none"> • Provision of a specialist opinion or comment; • Archival research and literature review; • Detailed baseline survey (including site visit/s); • Consultation and interviews; • Mapping and simulation modelling; • Assessment of impacts and their significance. <p>A specialist's role in the EIA process could be to assist with any or all of the following:</p> <ul style="list-style-type: none"> • Describing the affected environment • Describing the legal, policy and planning context • Identifying and responding to issues • Identifying alternatives • Identifying opportunities and constraints • Developing specialist terms of reference (TOR) • Predicting and assessing impacts • Recommending management actions and monitoring programmes
<p>Determination of impact management objectives and outcomes.</p> <p>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>When we've developed a list of environmental aspects using the process map of the project activities, we would have identified a large number of environmental aspects. This is not surprising, since virtually all of the project activities could interact with the environment in some way. In order to identify which environmental aspects are significant, we will review environmental risk information. However, ranking the environmental aspects using environmental risk information can be a labour-intensive process. Therefore, we may want to create a smaller list of environmental aspects to rank using risk information.</p> <p>From this point we use the Environmental Impact and Risk Information in order to rank the environmental aspects. For each aspect the effect or potential impact will be determined and associated management or mitigation measures. The impacts can then be reassessed using the management and mitigation interventions and through a calculation the effect can then be determined. Based on the anticipated outcome of the management and mitigation measures the impact rating should come down to an acceptable standard which is within the set standard.</p> <p>Certain set standards for each environmental aspect which has been determined should be achieved through the management and mitigation intervention measures, for instance water quality objectives, soil preservation, air quality standards etc.</p>

7 OTHER AUTHORISATIONS REQUIRED

LEGISLATION	Mark with an X where applicable			
	AUTHORISATION REQUIRED		APPLICTION SUBMITTED	
	YES	NO	YES	NO
SEMA s				
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		X	
National Water Act		X		X
National Heritage Resources Act		X		X
Others: Please specify				

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.

8 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...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.)	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 m ²)	TYPICAL MITIGATION MEASURES (Eg, storm water control, dust control, noise control, access control, rehabilitation etc., 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)
Site Preparation: Clearance of topsoil and vegetation (for construction of excavation activities)	Planning and design, Pre-construction, Operational	12.5m x 12.5m at a time. One drill site operational at a time.	Erosion control, topsoil stockpiling techniques, vegetation stripping and preservation, dust management, noise control, waste management	Standards as will be prescribed in the EMP National Air Quality Standards and Dust Control Regulations SANS noise standards DWS Catchment Water Quality Standards
Prospecting drilling, ablution facility, temporary site office, use of lined return-water sump storage and handling of hydrocarbons, waste management and preservation of core samples	Planning and design, Construction, Operational	12.5m x 12.5m at a time. One drill site operational at a time.	Erosion control, storm water management, dust management, access control, noise control, hazardous substance management, waste management, water management	Standards as will be prescribed in the EMP National Air Quality Standards and Dust Control Regulations SANS noise standards DWS Catchment Water Quality Standards
Concurrent site rehabilitation and establishment of vegetation cover	Closure	12.5 m x 12.5 m for each drilling site (maximum of 10 sites in total)	Erosion control, storm water management, landscape design, soil amelioration and vegetation establishment, grassing and seeding, noise and dust control	EMP Rehabilitation Objectives National Air Quality Standards and Dust Control Regulations SANS noise standards DWS Catchment Water Quality Standards
Monitoring and auditing	Post Closure	All disturbed drill sites that have been rehabilitated	Environmental compliance monitoring, performance reviews and audits to be submitted to the relevant Authorities	DMR Closure Guideline EMP Closure objectives

9 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.

<p>Baseline Environment</p> <p>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 following points list the different sources of information that will be used to determine the baseline environment of the site;</p> <ul style="list-style-type: none"> • Background studies previously completed in the area will be referenced • Desktop research on environmental attributes of the area by means of accessing online sources • Previous studies conducted by the EAP for the same area will be referenced • Inputs and comments from interested and affected parties will be considered • GIS Scan of the area including the use of CPLAN, BGIS, ENPAT and NFEPA data • Historical aerial imagery analysis • Physical site assessment • Specialist Ecologist site visit • Wetland identification and delineation assessment
<p>Closure Objectives</p> <p>Describe the closure objectives and the extent to which they will be aligned to the baseline environment</p>	<p>The rehabilitation plan is developed on the premise that the rehabilitated areas must be safe, stable, and non-polluting and are able to support a self-sustaining ecosystem similar to surrounding natural environment. To ensure that the rehabilitation plan is aligned with the closure objective, a high-level risk assessment of the prospecting components has been undertaken to establish the potential risks associated therewith.</p>
<p>Rehabilitation Plan</p> <p>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>	<p>The rehabilitation sites will have a footprint of 12.5m x 12.5m as this is the area determined that needs to be cleared for drilling from previous experience. The maps and illustrations attached therefore indicate the site layout and sizes associated in order to do prospecting drilling. The prospecting will be limited to portions of the farms Reingeluk No. 430, Wit-Klip No. 14 and Orange Fall No. 16, Magisterial Districts of Kenhardt and Gordonia, as described earlier on. A maximum of 10 additional holes are required to determine the available resource. Only one prospecting site will be active at a time as there is only one drill rig that will be used. This therefore allows minimum exposure and impact as concurrent rehabilitation can be carried out. Once drilling is complete at one site (usually within one day) the rehabilitation can be done immediately and soils and vegetation replaced.</p>
<p>Rehabilitation Cost</p> <p>Describe how the rehabilitation cost will be determined and provide a preliminary estimate thereof</p>	<p>The rehabilitation cost will be determined according to the DMR 2005 Guideline for the Estimation of the Closure Quantum. The unit rates will be adjusted according to the inflation rate changes since 2005 which will be obtained from a credible source (StatsSA) and also included in the documentation. All closure related components will be determined, weighting factors applied, and costs determined according to the various sizes of disturbance and unit rates. The closure cost would be in the region of R50 000.</p>
<p>Decommissioning</p> <p>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.</p>	<p>The prospecting drilling is only to a maximum depth of 60m and therefore one hole can be drilled daily. This allows for immediate rehabilitation of the vegetation and soils that has been stripped and stockpiled accordingly to ensure the soil and vegetation integrity is of such a nature that rehabilitation would be successful. Additional seeding will be applied to ensure a 100% success rate can be achieved. Concurrent rehabilitation of the drilling therefore allows that the site will be rehabilitated within 2 weeks from commencement of the first drill site.</p>

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

Quintin van der Walt

Name of company (if applicable):

Black Earth Mining (Pty) Ltd

Date:

2025-10-03

10 APPENDICES

10.1 APPENDIX 1 – EAP DECLARATIONS AND CV

10.1.1 DECLARATION OF THE EAP

I, Vumile Ribeiro, 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.

APPENDIX 1 (Continue)

10.1.2 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;
- ~~I have a vested interest in the proposed activity proceeding, such vested interest being:~~

Signature of the environmental assessment practitioner:

V. Ribeiro

Name of company:

Niara Environmental Consultants (Pty) Ltd

Date:

2025-10-03

APPENDIX 1 (Continue)

10.1.3 Curriculum Vitae of the EAP (Attached)

Vumile Ribeiro

Director, Principal Environmental Consultant and Community Health Expert
Registered EAP No. 2019/1183

Address: 28 Shamrock Street, Ferndale Ext 3, Randburg 2194, Johannesburg
Email: vumile@niara.co.za
Contact No: +27 82 767 2786



EDUCATION AND QUALIFICATIONS

- BSocSc. (Geography and Environmental Management) University of KwaZulu Natal (2007)
- BSocSc. Hons. (Environmental Analysis and Management) University of Pretoria (2011)
- MPhil. (Environmental Law) University of Pretoria (current)

AFFILIATIONS

- Environmental Assessment Practitioners Association of South Africa (EAPASA)
- International Association of Impact Assessment South Africa (IAIASA)
- Public Health Association of South Africa (PHASA)
- Society of South African Geographers (SSAG)
- National Association for Clean Air (NACA)

YEARS OF EXPERIENCE

- 17 years

KEY COMPETENCIES

- Project Management
- Health Impact Assessments
- Community Health, Environmental Health

BIOGRAPHY

Vumile Ribeiro is the Director of Environmental Management Services at Niara Environmental Consultants (Pty) Ltd. Vumile has 18 years of professional and international experience in Environmental Assessment and Management primarily in the minerals resources and energy sector. Her roles include the operational management responsibilities of Niara Environmental Consultants, project management, report writing, client liaison, as well as business development.

Having worked for a multi-disciplinary advisory firms and environmental consultancies, Vumile has a competent understanding of the work effort and cross collaboration required for a successful multidisciplinary organisation. Vumile has been involved in a number of Environmental Impact Assessments and has a particular interest in health impacts assessments, water resource management, mining, energy and stakeholder engagement. Vumile has considerable experience across a range of developmental and environmental sciences and has worked in South Africa, Mozambique, Sierra Leone and Liberia and is familiar with Regulatory Environmental Legislation in other parts of Africa.

Vumile is very well versed in the IFC Environmental and Social Performance Standards (including IFC PS 2012) and the associated Equator Principles, which have informed the approach and standard for a number of ESIA processes that she has been involved in. Vumile is skilled at organising and driving effective project teams at a scale relevant to the project's requirements. She has technical experience and is able to quickly identify the most pertinent issues of a particular project whilst focussing on driving project success by rigorously implementing project management tools. Vumile's special interest areas involves understanding the systemic nature of factors that pose threats and opportunities in terms of establishing healthy, resilient communities, and exploring the use of various data types, approaches and methodologies to enable effective change.

- Legal Compliance Audits:
Environmental / Health & Safety
- Environmental Control Officer
- Performance Assessments
(Environmental Audits) on mine EMPs
- Compliance Audits on Environmental
Authorisations (e.g., ROD's, Water, Air
and Waste Licenses)
- Consolidated Compliance Programmes
- Environmental Impact Assessments
- Basic Assessment Reports
- Mineral Law -Mining Rights and
Permits
- Environmental Authorisation
Applications
- Water Use License Applications
- Waste Management License
Applications
- Co-ordinating and conducting Public
Involvement processes.
- Social Assessment (Stakeholder and
Social Analysis)
- Public Participation Process and
Stakeholder consultation and
mediation

COUNTRIES OF WORK EXPERIENCE

- Cameroon
- Democratic Republic of Congo
- Liberia
- Mozambique
- Sierra Leone
- South Africa
- Tanzania
- Zambia

LANGUAGES

English (excellent), Afrikaans
(intermediate), siSwati (excellent), isiZulu
(excellent) and Xhosa (excellent)

EMPLOYMENT HISTORY

June 2017 – present: Director: Environmental Management Services, Niara Environmental Consultants

March 2012 – May 2017: Environmental Consultant Human Sciences Department, Digby Wells Environmental, South Africa

January 2010 – December 2010: GIS Technician, Niara Environmental Consultants

October 2008 – October 2009: Client Service Executive, Ernst & Young

July 2007 – August 2008: GIS technician Capturer, Geospace International, (City of Tshwane Public Works and Infrastructure Development Department: Roads and Storm Water Division Project.)

April 2007 – July 2007: Mineral information Management Intern Department of Minerals and Energy, Mpumalanga Regional Office

EXPERIENCE HIGHLIGHTS

The below highlight key recent and relative project experience:

- Environmental Authorisation for Klipspruit Colliery – Inclusion of Pits S & G and Water Use License Application Process, Seriti Power (Pty) Ltd: Project Manager; Stakeholder Engagement Specialist
- Environmental Authorisation Application for The Springfield Colliery, Redan Siding and Vlakfontein Coal Mining Projects by Glubay Coal (Pty) Ltd in The District of Vereeniging and Meyerton, Gauteng: Health Impact Assessments and Social Impact Assessments: Social and Health Specialist and Reports Writer
- Graphit Kropfmühl - Community Impact Assessment for the GK Ancuabe Graphite Mine Graphit Kropfmühl Ancuabe Graphite Mine SA, Cabo Delgado Province Mozambique: Health Specialist and Report Writer
- Health Impact Assessment for the Mining Right Application for Iron Ore for Muhlava Mining on the Farms Berlyn 670 LT and Keulen 669 LT in Tzaneen, Limpopo Province, Titanium Mining (Pty) Ltd, Republic of South Africa: Health Specialist and Report Writer
- Nkomati Mine Closure Project: Community and Occupational Health Assessment Nkomati Joint Venture – a partnership between African Rainbow Minerals Limited and Norilsk Nickel Africa (Pty) Limited (Nkomati Mine)
- Scoping EIA, Water Use License Application, Waste Management Licence Application for the Sasol Sigma Colliery Underground Ash Backfilling Project Sasol Mining (Pty) Ltd Republic of South Africa: Project Manager

Please consult the attached appendix for a comprehensive list detailing the project experiences undertaken.

APPENDIX A: PROJECT EXPERIENCE

Duration	Assignment name / brief description of main deliverables/outputs	Name of client and country of assignment	Role on the assignment
2012	Scoping EIA and Water Use License Application for the Bokoni Platinum Mine: Klipfontein Opencast Mining Operation	Bokoni Platinum Mines (Pty) Ltd Republic of South Africa	Project Administrator
2012	Amendment to City Deep EIA/EMP for the inclusion of Dump 3/L/40 and 3/L/42	Ergo Mining (Pty) Ltd Republic of South Africa	Project Assistant
2012	Community Health Baseline Study for Tonguma	Koidu Holdings Sierra Leone	Project Assistant / Report Writer
2012-2013	Community Health Impact Assessment for the Cooke Uranium Project re-mining of historic tailings facilities and establishment of a single large new Tailings Storage Facility for residual tailings	Gold One International Ltd Republic of South Africa	Health Specialist / Report Writer
2012-2013	Water Use Licence Compliance Audit	Ergo Mining (Pty) Ltd Republic of South Africa	Project Administrator
2013	Community Health Impact assessment for the Vedanta Power Plant and Associated Transmission Lines	Vedanta Zinc International Republic of South Africa	Health Specialist / Report Writer
2013	Community Health Impact Assessment for the Balama Graphite Mine	Syrah Resources Mozambique	Health Specialist / Report Writer
2013	Community Health Impact Assessment for the Putu Iron Ore Project	Atkins Global, Grand Gedeh County, Liberia	Project assistant for Health Impact Assessment
2013	Prospecting Right Application and Environmental Management Program Compilation for the St. Agnesfontein	Glenover Phosphate (Pty) Ltd / FermineOre, Republic of South Africa	Project Administrator
2013-2014	Scoping EIA, Water Use License Application, Waste Management Licence Application for the Sasol Sigma Colliery Underground Ash Backfilling Project	Sasol Mining (Pty) Ltd Republic of South Africa	Project Manager
2013-2014	Basic Assessment Report, Scoping EIA, Water Use License Application for the Sasol Syferfontein Block 4 Expansion Project	Sasol Mining (Pty) Ltd Republic of South Africa	Project Administrator
2013-2014	Community Health Impact Assessment for the Platreef underground platinum mine operation	Platreef Resources (PTY) Ltd Republic of South Africa	Health Specialist / Report Writer
2014	Submission of revised Environmental Impact Assessment and Environmental Management Programme for the Trichardtfontein Project	Glencore Operations South Africa (Pty) Ltd, Republic of South Africa	Project Administrator / Report Co-author

Duration	Assignment name / brief description of main deliverables/outputs	Name of client and country of assignment	Role on the assignment
2014	Amendment to the Nooitgedacht Environmental Impact Assessment and Environmental Management Programme: Inclusion of Seams 2 and 4	Glencore Operations South Africa (Pty) Ltd, Republic of South Africa	Project Administrator / Report Co-author
2014	Community Impact Assessment for the proposed Kamiesberg heavy mineral sands mine Project	Zirco Roode Heuwel (Pty) Ltd Republic of South Africa	Health Specialist / Report Writer
2014	Community Impact Assessment for the proposed Tenge Iron Ore Project	Capitol Resources Limitada –subsidiary of Baobab Resources Plc, Mozambique	Health Specialist / Report Writer
2015	Integrated Water Use Licence Application and Integrated Waste Water Management Plan for the proposed Klipspruit Extension: Weltevreden	BHP Billiton Energy Coal South Africa Limited, Republic of South Africa	Project assistant for the WULA and IWWMP
2015	Integrated Water Use Licence Application for the proposed Middelburg – Mhluzi Powerline Project	Eskom SOC Holdings Limited Republic of South Africa	Project Manager / Report Writer for the WULA
2015	Community Health Impact Assessment for the proposed open-pit magnetite mine and concentrator plant	Pamish Investments No. 39 (Pty) Ltd Republic of South Africa	Health Specialist / Report Writer
2015	Environmental and Social Impact Assessment for the Proposed Nachu Graphite Project	Magnis Resources T/A Uranex Tanzania Ltd, Ruangwa District, Lindi Region Tanzania, East Africa	Health Impact Assessment Report Reviewer
2015	Integrated Water Use Licence Application and Integrated Waste Water Management Plan for the Lanxess Chrome Mine	Lanxess Mining (Pty) Ltd Republic of South Africa	Report Writer for the WULA and IWWMP
2015	De Groote Boom Mining Permit Application: Prescribed Environmental Management Programme	De Groote Boom Minerals (Pty) Ltd Republic of South Africa	Project Administrator and Report Writer
2015	Environmental Impact Assessment and Environmental Management Programme Report for the Proposed Realignment of the P141-1 Provincial Road, Tweefontein Mine Complex, Mpumalanga Province	Glencore Operations South Africa (Pty) Ltd	Report Compiler
2015	Water Use Licence Application for the Proposed Realignment of the P141-1 Provincial Road, Tweefontein Mine Complex, Mpumalanga Province	Glencore Operations South Africa (Pty) Ltd, Republic of South Africa	Report Writer for the WULA and IWWMP

Duration	Assignment name / brief description of main deliverables/outputs	Name of client and country of assignment	Role on the assignment
2015	Community Impact Assessment for the GK Ancuabe Graphite Mine	Graphit Kropfmühl Ancuabe Graphite Mine SA, Cabo Delgado Province Mozambique	Project Manager / Health Specialist / Report Writer
2015	Water Use Licence Application for the Proposed Roodekop Wetland Offset and Compensation Strategy Project	Universal Coal Development IV (Pty) Ltd Republic of South Africa	Report Writer for the WULA and IWWMP
2015	Water Use Licence Application for the proposed Lambda Substation near Volksrust, Mpumalanga and Associated 2 x 400kV & 2 x 765kV Loop in Transmission Line Project	Eskom SOC Holdings Limited Republic of South Africa	Project Manager
2016	Klipspruit Extension: Motivation for The Drilling Of Exploration Holes Within A Wetland	South32 Sa Coal Holdings (Pty) Ltd	Project Administrator / Report Writer
2016	Namane Generation Independent Power Producer and Transmission Line Project, near Lephalale, Limpopo	Namane Generation (Pty) Ltd	Health Specialist
2016	Risk Assessment and Associated General Authorisation for the Proposed KPSX Northern Bypass, in Mpumalanga	South32 SA Coal Holdings (Pty) Limited	Project Manager and Report Writer
2016	Environmental and Social Impact Assessment for the Massawa and Sofia Gold Project, Senegal	Randgold Resources Limited	Health Specialist
2016	Proposed Reclamation of the Grootvlei Tailings Storage Facilities Cluster, near Springs, Gauteng	Ergo Mining (Pty) Ltd Republic of South Africa	Health Specialist
2017	Environmental and Social Impact Assessment for the Proposed Ntem Iron Ore Project, in Cameroon: Health Impact Assessment Report	Caminex SA, Cameroon	Health Specialist
2017	Water Use Licence for the Proposed Pit H and Associated Infrastructure at KPSX: Weltevreden and KPSX: South Operations, in Mpumalanga	South32 SA Coal Holdings (Pty) Limited, Republic of South Africa	Project Manager and Report Writer
2017	Risk Assessment and Associated General Authorisation for the Proposed Substation and 132kV Power Lines in Ogies, Mpumalanga	Eskom Holdings SOC Limited, Republic of South Africa	Project Manager and Report Writer
2017	Wetlands Risk Assessment and Associated General Authorisation for the Proposed Geotechnical Drilling Project at Khutala Colliery, in Mpumalanga	South32 SA Coal Holdings (Pty) Limited, Republic of South Africa	Project Manager and Report Writer

Duration	Assignment name / brief description of main deliverables/outputs	Name of client and country of assignment	Role on the assignment
2017	Community Health Impact Assessment for the Proposed Phase 2 KwaMathukuza Housing Development in KwaMathukuza, Newcastle, KwaZulu-Natal	Phumaf Consulting Engineers, Republic of South Africa	Project Manager and Report Writer
2017	Odour Survey / Assessment for the Proposed Phase 2 KwaMathukuza Housing Development in KwaMathukuza, Newcastle, KwaZulu-Natal	Phumaf Consulting Engineers, Republic of South Africa	Project Manager and Report Writer
2017	Health Impact Assessment for the Mining Right Application for Iron Ore for Muhlava Mining on the Farms Berlyn 670 LT and Keulen 669 LT in Tzaneen, Limpopo Province	Titanium Mining (Pty) Ltd, Republic of South Africa	Project Manager and Report Writer
2017	Emakhazeni Coal Mining Project in the Eastern Basin Coalfield, Mpumalanga Province	Umsimbithi Mining (Pty) Ltd, Republic of South Africa	Health Specialist
2017	Odour Impact Survey for the Proposed Phase 2 KwaMathukuza Housing Development in KwaMathukuza, Newcastle, KwaZulu-Natal	Phumaf Consulting Engineers, Republic of South Africa	Project Manager and Report Writer
2018	Renewal of an Existing Integrated Water Use License for Vlakfontein Mine: Central Block, Ogies in Mpumalanga Province	African Exploration Mining and Finance Corporation SOC Limited (AEMFC)	Project Manager and Report Writer
2018	2017 IWWMP Update and Amendment for Eskom Lethabo Power Station in Free State	Eskom Holdings SOC Limited	Project Manager and Report Writer
2018	East Block External Integrated Water Use License Audit at Vlakfontein Mine, Ogies in Mpumalanga Province	African Exploration Mining and Finance Corporation SOC Limited (AEMFC)	Project Manager and Report Writer
2018	Waste Management License Application for NN Metals proposed listed activities of the scrap metal recycling operation located at 300 Mundt Street on Waltloo township ERF 110 in Pretoria within the City of Tshwane Metropolitan Municipality	NN Metals (Pty) Ltd, Pretoria, Republic of South Africa	Project Manager and Report Writer
2018	Community Health Impact Assessment for The Development of the Proposed Leslie 1 Coal Mining Project, near Leandra, Mpumalanga Province	Anglo Operations (Pty) Ltd and Leslie Coal Mine (Pty) Ltd	Health Specialist
2018	The Development of the Proposed Transformer Manufacturing, Repairing and Testing Facility at Portion 189 of the Farm Zandfontein 317JR, Kirkney Industrial Township, Pretoria West: Health Impact Assessment	Contipower (Pty) Ltd	Health Specialist

Duration	Assignment name / brief description of main deliverables/outputs	Name of client and country of assignment	Role on the assignment
2018	Elandsfontein Colliery: Oosbank Coal Siding Draft Environmental Management Programme	Anker Coal, Elandsfontein Colliery (Pty) Ltd	Project Manager and Report Writer
2018	Elandsfontein Colliery (Pty) Ltd: Elandsfontein Mine Integrated Water and Waste Management Plan Annual Update: 2018	Anker Coal, Elandsfontein Colliery (Pty) Ltd	Project Manager and Report Writer
2018	Rehabilitation, Decommissioning and Mine Closure Plan for the Proposed Woestalleen Holdings (Pty) Ltd Coal Mine in Middelburg, Mpumalanga Province	Woestalleen Holdings (Pty) Ltd	Project Manager and Report Writer
2019	Elandsfontein Colliery: Performance Assessment Audit Report on MP 63 MR Environmental Management Programme	Anker Coal, Elandsfontein Colliery (Pty) Ltd	Project Manager and Report Writer
2019	Community Health Impact Assessment The Development of the Proposed Matai Mining Project in Mankwe District, North West Province	Matai Mining (Pty) Ltd	Project Manager and Report Writer
2019	Social Impact Assessment The Development of the Proposed Matai Mining Project in Mankwe District, North West Province	Matai Mining (Pty) Ltd	Project Manager and Report Writer
2019	Health Impact Assessment Report The Development of the Proposed Panfontein Mining Project in the Magisterial District of Vereeniging, Gauteng Province	Richtrau 253 (Pty) Ltd	Project Manager and Report Writer
2019	Socio-economic Impact Assessment Report The Development of the Proposed Panfontein Mining Project in the Magisterial District of Vereeniging, Gauteng Province	Richtrau 253 (Pty) Ltd	Project Manager and Report Writer
2019	Elandsfontein Colliery (Pty) Ltd: Elandsfontein Mine Integrated Water and Waste Management Plan and RSIP Annual Update: 2019	Anker Coal, Elandsfontein Colliery (Pty) Ltd	Project Manager and Report Writer
2019	Vlakfontein Colliery Financial Provision Assessment: 2019	African Exploration Mining and Finance Corporation (SOC) Ltd (AEMFC)	Project Manager and Report Reviewer
2019	Inyanda Coal Mine Integrated Water and Waste Management Plan Update: 2019	Inyanda Mining Holdings (Pty) Ltd	Report Writer

Duration	Assignment name / brief description of main deliverables/outputs	Name of client and country of assignment	Role on the assignment
2019	Inyanda Coal Mine Rehabilitation Strategy and Implementation Plan	Inyanda Mining Holdings (Pty) Ltd	Report Writer
2019	Health Risk Assessment for The Proposed Residential Development on Various Portions of The Farm Rooikoppies 297-JQ	Seaton Thomson and Associates Cc	Specialist and Report Writer
2019	Application for Environmental Authorisation and A Change of Land Use for the Proposed Musina-Makhado Special Economic Zone (SEZ) in the Limpopo Province Health Impact Assessment Report	Limpopo Economic Development Agency (LEDA)	Specialist and Report Writer
2019	Integrated Environmental Authorisation Process for the Proposed Weltevreden Mining Right Application, Socio-economic Impact Assessment Report	Saldomate (Pty) Ltd	Specialist and Report Writer
2019	Integrated Environmental Authorisation Process for the Proposed Wildebeestfontein Mining Right Application, Socio-economic Impact Assessment Report and Social and Labour Plan	Opsirex (Pty) Ltd	Specialist and Report Writer
2020	Proposed Aggregate and Gravel Mining in Bizana, Eastern Cape: Social and Labour Plan	Ilitye Industrial (Pty) Ltd	Specialist and Report Writer
2020	Integrated Water Use Licence Application and IWWMP: Inyanda Coal Mine Rehabilitation Strategy and Implementation Plan	Inyanda Mining Holdings (Pty) Ltd	Report Writer
2020	Integrated Water Use Licence Application and IWWMP: The Development of the Proposed Panfontein Mining Project in the Magisterial District of Vereeniging, Gauteng Province	Richtrau 253 (Pty) Ltd	Project Manager and Report Writer
2020	Integrated Environmental Authorisation Process for the Proposed Van Oudshoornstroom Mining Right Application: Socio-economic Impact Assessment Report	Estate Late Philippus Christoffel Johannes De Jager	Specialist and Report Writer
2020	Nkomati Mine Closure Project: Community and Occupational Health Assessment	Nkomati Joint Venture – a partnership between African Rainbow Minerals Limited and Norilsk Nickel Africa (Pty) Limited (Nkomati Mine	Specialist and Report Writer
2020	Social Impact Assessment Report for the Development of the Proposed Zelpy Kafferskraal Mining Right Application	Zelpy Gold Mine (Pty) Ltd	Specialist and Report Writer

Duration	Assignment name / brief description of main deliverables/outputs	Name of client and country of assignment	Role on the assignment
2020	Health Impact Assessment Report for the Development of the Proposed Zelpy Kafferskraal Mining Right Application	Zelpy Gold Mine (Pty) Ltd	Specialist and Report Writer
2020	Environmental Authorisation and Water Use Licence Application for The Electrisurv Cc Beneficiation Plant	Electrisurv Surveying CC	Project Manager and Reports Writer
2020	Mining Right Application of the Proposed Springfield Opencast Colliery, near Meyerton & Vereeniging in the Gauteng Province: Health Impact Assessment	Glubay Coal (Pty) Ltd, an affiliated company of Canyon Resources (Pty) Ltd	Specialist and Report Writer
2020	Koppie Canyon Mining Right Application near Hendrina, Mpumalanga: Social Impact Assessment Report and Social and Labour Plan	Canyon Resources (Pty) Ltd	Specialist and Report Writer
2020	Risenga Colliery Water Use Licence Application: Integrated Water and Waste Management Plan	SARMCO Group (Pty) Ltd	Project Manager and Report Writer
2021	Integrated Water and Waste Management Plan (IWWMP) for the Proposed Samara Prospecting Right near Barkley West, Northern Cape	Samara Mining (Pty) Ltd	Specialist and Report Writer
2021	Social Impact Assessment Report and Social and Labour Plan for the Development of the Lakeside Colliery S102 Amendment	Zomhlaba Resources (Pty) Ltd	Specialist and Report Writer
2021	Social Impact Assessment Report and Social and Labour Plan for the Development of the Leeuwfontein Colliery S102 Amendment	Zomhlaba Resources (Pty) Ltd	Specialist and Report Writer
2021	Health Impact Assessment Report for the Development of the Proposed Ericure Dannhauser Coal Project	Ericure (Pty) Ltd	Specialist and Report Writer
2021	Application for Environmental Authorisation and Water Use Licence Application for the Proposed Middelburg Mining Services (MMS) Boschmanskrans Section Implementation of Wetland Mitigation and Offset Strategy: Social Impact Assessment	South32 SA Coal Holdings (Pty) Limited: South Africa Energy Coal	Specialist and Report Writer
2021	Application for General Authorisation: Ifalethu Colliery, Middelburg, Mpumalanga	South32 SA Coal Holdings (Pty) Limited: South Africa Energy Coal	Specialist and Report Writer

Duration	Assignment name / brief description of main deliverables/outputs	Name of client and country of assignment	Role on the assignment
2021	Application for Environmental Authorisation and Water Use Licence Application for the Proposed Middelburg Mining Services (MMS) Boschmanskrans Section Implementation of Wetland Mitigation and Offset Strategy: Water Use Licence Application	South32 SA Coal Holdings (Pty) Limited: South Africa Energy Coal	Specialist and Report Writer
2021	Social Impact Assessment for the Proposed Farm Marsh Lusern and Hydroponics Systems Project: Social Impact Assessment	Sishen Iron Ore Company (Pty) Ltd	Specialist and Report Writer
2021	Environmental Regulatory Process Required for the Proposed Wolvekrans Colliery Boschmanskrans Section Mining Extension Project Wetland Mitigation and Offset Strategy near Middelburg, Mpumalanga	South32 SA Coal Holdings (Pty) Ltd	Project Manager
2021	Water Use Licence Application for the Proposed Wolvekrans Colliery Boschmanskrans Section Mining Extension Project Wetland Mitigation and Offset Strategy	South32 SA Coal Holdings (Pty) Ltd	Specialist and Report Writer
2021	Social Impact Assessment for the Proposed Wolvekrans Colliery Boschmanskrans Section Mining Extension Project Wetland Mitigation and Offset Strategy	South32 SA Coal Holdings (Pty) Ltd	Specialist and Report Writer
2021	Environmental Impact Assessment and IWUL for the Proposed Ikwezi Vanadium Mine, near Northam	Ikwezi Mining (Pty) Ltd	Project Manager
2021	Social Impact Assessment and IWUL for the Proposed Ikwezi Vanadium Mine, near Northam	Ikwezi Mining (Pty) Ltd	Specialist and Report Writer
2021	Integrated Environmental Authorisation Process for The Proposed Aangewys Coal Mine Mining Right Application: Social Impact Assessment	National Treasure Minerals (Pty) Ltd	Specialist and Report Writer
2021	Social and Labour Plan for The Proposed Straffontein Colliery Mining Right Application	Mnambithi Mining (Pty) Ltd	Specialist and Report Writer
2021	Integrated Environmental Authorisation Process for The Proposed Straffontein Colliery Mining Right Application: Social Impact Assessment	Mnambithi Mining (Pty) Ltd	Specialist and Report Writer
2021	Environmental Authorisation and Water Use Licence Application for The Construction of the Doornpoort Pumping Main and Pump Station Project	eMalahleni Local Municipality	Project Manager and Report Writer
2021	Environmental Audit Report for Sekoko Coal – 2021	M3P Mining (Pty) Ltd	Project Manager

Duration	Assignment name / brief description of main deliverables/outputs	Name of client and country of assignment	Role on the assignment
2021	Environmental Authorisation required for Prospecting Right Application on various Portions of the Farm Schaapkopje 194 HT, 5km North of Vryheid Town in the AbaQulusi Local Municipality, KwaZulu Natal	Tuutuuka Resources (Pty) Ltd	Project Manager and Report Writer
2021	Basic Assessment Process and Water Use Licence Application for the Alignment of the Klipspruit Colliery Environmental Management Programme for Klipspruit Colliery, Mpumalanga Province	Seriti Power (Pty) Ltd	Project Manager and Report Writer
2022	Social and Labour Plan for The Proposed Roodepoort Coal Mine	Roodepoort Coal (Pty) Ltd	Specialist and Report Writer
2022	Social Impact Assessment for The Proposed Roodepoort Coal Mine on Farm Roodepoort 40 Is Portion 15, Nkangala District Municipality Within the eMalahleni Local Municipality, Mpumalanga Province	Roodepoort Coal (Pty) Ltd	Specialist and Report Writer
2022	Social and Labour Plan for Kleinwater Colliery	Madini Mining (Pty) Ltd	Specialist and Report Writer
2022	Social Impact Assessment for the Section 102 Amendment in Respect of Portions 2, 8, 9 of the Farm Kleinwater 301 JS, Portions 11, 39, 40 Of the Farm Doornrug 302 JS, and the Remaining Extent of the Farm Rondebult 303 JS, eMalahleni Local Municipality, Mpumalanga	Madini Mining (Pty) Ltd	Specialist and Report Writer
2022	Health Impact Assessment for the Proposed Nellmapius Extension 26 Township on Various Portions of The Farm Hatherley 331 JR, City of Tshwane Metropolitan Council	Tambura 69 Trust	Specialist and Report Writer
2022	Environmental Impact Assessment (EIA) and Water Use Licence Application for The Grootlaagte Opencast Mine Mining Right Application Situated in The Steve Tshwete Local Municipality, Nkangala District Municipality in Mpumalanga	Arnot OpCo (Pty) Ltd	Project Manager and Report Writer
2022	Basic Assessment Process and Water Use Licence for The Proposed Upgrade of Weltevrede Wetland Interventions	Seriti Power (Pty) Ltd	Project Manager and Report Writer
2022	Social Impact Assessment for the Blesboklaagte S102 EA IWUL and WL	Eyethu Coal (Pty) Ltd	Specialist and Report Writer
2022	Environmental Authorisation for Klipspruit Colliery - Pit H: Regulation 31 Amendment and Water Use License Application	Seriti Power (Pty) Ltd	Project Manager and Report Writer

Duration	Assignment name / brief description of main deliverables/outputs	Name of client and country of assignment	Role on the assignment
2022	Social Impact Assessment for the proposed Wonderhoek Open Cast Coal Mine near Middelburg, Mpumalanga Province	Wonderhoek Colliery (Pty) Ltd	Specialist and Report Writer
2022	Community Health Impact Assessment for the proposed Interwaste Brakkefontein Waste Management Facility near Atlantis, Western Cape	SLR Consulting on behalf of Interwaste (Pty) Ltd	Specialist and Report Writer
2022	Community Health Impact Assessment for the proposed Wonderhoek Open Cast Coal Mine near Middelburg, Mpumalanga Province	Wonderhoek Colliery (Pty) Ltd	Specialist and Report Writer
2022	Community Health Impact Assessment for the proposed Schurvekop Underground Coal Mine near Bethal in Mpumalanga	Mmakau Coal (Pty) Ltd	Specialist and Report Writer
2022	Public Participation Process in Support of the Queenstown Quarry S102 Amendment Process, Eastern Cape	Raumix Aggregates, a subsidiary of Raubex Group Ltd	PPP and Stakeholder Engagement Specialist
2022	Community Health Impact Assessment for the proposed Arengo Iron-Ore Project	Arengo 297 (Pty) Ltd	Specialist and Report Writer
2022	Water Use Licence Application and Associated Specialist Studies for the proposed Idwala Coal Mine	Idwala Coal Mine (Pty) Ltd	Specialist and Report Writer
2022	Rapid Appraisal Health Impact Assessment for the Proposed Platinum Pride Crematorium in Cape Town	Sharples Environmental Services cc (SES)	Specialist and Report Writer
2022	Rapid Appraisal Health Impact Assessment for the Proposed Construction and Operation of a Cement Grinding Facility and Storage of Dangerous Goods Located in Blackheath Within the City of Cape Town Municipality	Cemza Coastal (Pty) Ltd	Specialist and Report Writer
2022	Environmental Authorisation for Klipspruit Colliery – Inclusion of Pits S & G and Water Use License Application Process	Seriti Power (Pty) Ltd	Project Manager; Stakeholder Engagement Specialist
2022-2023	ZNT 03 EDTEA 2021/2022 KwaZulu-Natal Air Quality Management Plan Draft Air Quality Management Plan – Provincial Stakeholder Engagement / PPP	Kwazulu-Natal: Department of Economic Development, Tourism and Environmental Affairs	PPP and Stakeholder Engagement Specialist

Duration	Assignment name / brief description of main deliverables/outputs	Name of client and country of assignment	Role on the assignment
2023	Community Health Impact Assessment for the proposed Holfontein Waste Management Facility Expansion Project	EnviroServ Waste Management (Pty) Ltd	
2023	Social Impact Assessment for the Proposed Highbury Mining Right Application in the Magisterial District of Port Shepstone in the Ray Nkonyeni Local Municipality, KwaZulu Natal Province	SA Lithium (Pty) Ltd	Specialist and Report Writer
2023	Environmental Authorisation Process for the proposed Pivaanspoort Prospecting Right Application in Vryheid, KwaZulu-Natal	Pivaanspoort Mining (Pty) Ltd	PPP and Stakeholder Engagement Specialist
2023	Rapid Appraisal Health Impact Assessment for the Proposed Housing Development on Erf 43937 in Colorado Park, Mitchell's Plain	The City of Cape Town (CoCT) Metropolitan Municipality	Specialist and Report Writer
2023	Health Impact Assessment for the Proposed Highbury Mining Right Application in the Magisterial District of Port Shepstone in the Ray Nkonyeni Local Municipality, KwaZulu Natal Province	SA Lithium (Pty) Ltd	Specialist and Report Writer
2023	Public Participation Process for the proposed Wonderhoek Open Cast Coal Mine near Middelburg, Mpumalanga Province	Wonderhoek Colliery (Pty) Ltd	PPP and Stakeholder Engagement Specialist
2023	Environmental Authorisation Application for The Vlaktefontein Coal Mining Project by Glubay Coal (Pty) Ltd in The District of Vereeniging and Meyerton, Gauteng: Health Impact Assessment	Glubay Coal (Pty) Ltd	Specialist and Report Writer
2023	Community Health Impact Assessment for the Proposed Multisand General Waste Management Facility Project	Multisand (Pty) Ltd	Specialist and Report Writer
2023	Seriti MMS Environmental Management Programme (EMPr) Consolidation	Seriti Coal (Pty) Ltd	Project Manager and Report Writer
2023	Randfontein Estates Limited: Doornkop Underground Mining Operations Water Use Licence Application (WU29548) and Associated Specialist Studies	Randfontein Estates Limited (a subsidiary of Harmony Gold Mining Company Limited)	Project Manager, Report Compiler and Reviewer
2023	Klipspruit Extension EIA and WUL: Alignment from opencast to underground	Seriti Coal (Pty) Ltd	Project Manager, Report Compiler and Reviewer

Duration	Assignment name / brief description of main deliverables/outputs	Name of client and country of assignment	Role on the assignment
2023	Integrated Environmental Authorisation Process for the Proposed Coastal Fuels: Alkmaar Mining Right Application: Social Impact Assessment	Coastal Fuels	Specialist and Report Writer
2023	Environmental Authorisation Application for The Redan Siding Project by Glubay Coal (Pty) Ltd in The District of Vereeniging and Meyerton, Gauteng: Health Impact Assessment	Glubay Coal (Pty) Ltd	Specialist and Report Writer
2023	Environmental Services for the Upgrade of N11 Section 3 from Newcastle South (KM 50.00) to Ncandu River (KM 57.20) in KwaZulu-Natal Province: Socio-Economic Impact Assessment	South African National Roads Agency SOC Ltd	Specialist and Report Writer
2023	Health Impact Assessment for the Proposed Manganese Slag Processing Plant and Associated Infrastructure in eMalahleni,	Zonglin Resources (Pty) Ltd	Specialist and Report Writer
2023	Community Health Impact Assessment for the Shiva Uranium Mine in the North West Province	Industrial Development Corporation of South Africa Limited (IDC)	Specialist and Report Writer
2023	Health Impact Assessment for the Proposed Samancor TC Smelter Plant: Addition of Two 70 MW Furnaces	Samancor Terris Chrome Smelters Ltd (Pty)	Specialist and Report Writer
2023	Environmental Control Officer Services for Water Conservation and Demand Management in Standerton	Gert Sibande District Municipality	Specialist and Report Writer
2023	Community Health Impact Assessment for the proposed for the proposed Orkney Wize Decline Project in Orkney, North West Province	China Africa Precious Metal (Pty) Ltd	Specialist and Report Writer
2024	Social Impact Assessment for the proposed Bengwenyama Underground Mining Project in the Sekhukhune District Municipality, Limpopo	Miracle Upon Miracle Investments (Pty) Ltd	Specialist and Report Writer
2024	Social Impact Assessment for the Proposed the Development of Coal Mine within Abaqulusi Local Municipality of Zululand District Municipality, KwaZulu Natal Province	Amora Properties (Pty) Ltd	Specialist and Report Writer
2024	External Environmental Audits for MMS (EMPRs, WULS, and WML Audits)	Seriti Power (Pty) Ltd	Specialist and Report Writer
2024	Seriti MMS General Authorisation for Exploration Drilling on Portions 15 and 16	Seriti Power (Pty) Ltd	Specialist and Report Writer

Duration	Assignment name / brief description of main deliverables/outputs	Name of client and country of assignment	Role on the assignment
2024	Social Impact Assessment Study for the proposed Palmietfontein Mining Right Application, in the Moses Kotane Local Municipality	Palm Chrome (Pty) Ltd	Specialist and Report Writer
2024	Social Impact Assessment Study for the Izimbiwa Coal Banana Republic (Rietfontein Colliery) S102 Amendment Process, near Middelburg, Mpumalanga	Izimbiwa Coal (Pty) Ltd	Specialist and Report Writer
2024	Social Impact Assessment Study for the Izimbiwa Coal Townlands (Uitkyk Colliery) S102 Amendment Process, near Middelburg, Mpumalanga	Izimbiwa Coal (Pty) Ltd	Specialist and Report Writer
2024	Social and Labour Plan for the proposed Palmietfontein Mining Right Application, in the Moses Kotane Local Municipality	Palm Chrome (Pty) Ltd	Specialist and Report Writer
2024	Social Impact Assessment for the proposed Samancor Western Chrome Mine, near Mooinooi, in the North West Province	Samancor Chrome (Pty) Ltd	Specialist and Report Writer
2024	Social Impact Assessment for the Ivanplats Application for Integrated Environmental Authorisation for the proposed Dry Stack TSF Project	Ivanplats (Pty) Ltd	Specialist and Report Writer
2024	Public Participation Process/ Stakeholder Engagement for the Ivanplats Application for Integrated Environmental Authorisation for the proposed Dry Stack TSF Project	Ivanplats (Pty) Ltd	Specialist and Report Writer
2024	Social Impact Assessment for the proposed Fuleni Mining Project within King Cetshwayo District Municipality, uMfolozi Municipality, Kwa-Zulu Natal Province	Invukuzane Resources (Pty) Ltd	Specialist and Report Writer
2024	Kusasaletu Deelkraal Water Use Licence and GN 704 Audits	Harmony Gold Mining Company Limited	Specialist and Report Writer
2024	Health Impact Assessment for the proposed Fuleni Mining Project within King Cetshwayo District Municipality, uMfolozi Municipality, Kwa-Zulu Natal Province	Invukuzane Resources (Pty) Ltd	Specialist and Report Writer
2024	Health Impact Assessment for the proposed Underground Expansion Project at East and West Mines for Tharisa Minerals Near Marikana, North West Province	Tharisa Minerals (Pty) Ltd	Specialist and Report Writer
2024	Community Health Impact Assessment for the Proposed Minetek Resources Newcastle Coal Mine Project, Newcastle, KwaZulu-Natal	Minetek Resources (Pty) Ltd	Specialist and Report Reviewer

Duration	Assignment name / brief description of main deliverables/outputs	Name of client and country of assignment	Role on the assignment
2025	Community Health Impact Assessment for the Proposed Hiryo Plant (Ammonia Manufacturing) Project, Located on a Portion of Portions 6 and 50 of the Farm Vlaklaagte 45 IS, near Kriel, Mpumalanga Province	Suiso (Pty) Ltd	Specialist and Report Writer
2025	Health Impact Assessment for the Proposed for the Proposed Metallurgical Projects in the Musina-Makhado Special Economic Zone (MMSEZ)	Gudani Consulting (Pty) Ltd	Specialist and Report Writer
2025	Community Health Impact Assessment for the Proposed Development of a 10784 - 750MW Combined Cycle Gas Turbine Power Plant in Richards Bay	Mabasa Energy Fuels (Pty) Ltd	Specialist and Report Reviewer
2025	Community Health Impact Assessment Study for the Proposed CEN Manganese and Iron ore Storage and Conveyor Facility near Newlyn Saldanha Bay, Western Cape	CEN Integrated Environmental Management Unit	Specialist and Report Writer

**Environmental Assessment
Practitioners Association
of South Africa**



Registration No. 2019/1183

Herewith certifies that
VUMILE CELIWE RIBEIRO
is registered as an
Environmental Assessment Practitioner

**Registered in accordance with the prescribed criteria of Regulation 15. (1)
of the Section 24H Registration Authority Regulations
(Regulation No. 849, Gazette No. 40154 of 22 July 2016, of the
National Environmental Management Act (NEMA), Act No. 107 of 1998, as amended).**

Effective: 01 April 2026

Expires: 31 March 2027

Chairperson

Registrar



EAPASA

Unit 19 Oxford Office Park
3 Bauhinia Street
Highveld Techno Park
Centurion
0157
Tel. (+27) 12 880 2154

Environmental Assessment Practitioners Association of South Africa

Advancing environmental assessment practice in South Africa



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

Mrs Vumile Ribeiro
28 Shamrock Street
Ferndale
Randburg
2194

Sent by email to: vumile@niara.co.za

Dear Mrs Ribeiro

Registered Environmental Assessment Practitioner: Number 2019/1183
Vumile Celiwe Ribeiro : South African ID 8605090831080

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

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

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

Your registration is effective for a period of five years from 08 February 2024, and expires on 08 February 2029. The renewal of your registration in 2029 will be contingent on you having met the requirements of EAPASA's Continuing Professional Development (CPD) policy during each year of registration.

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

Please accept my congratulations on your registration.

Best regards

Dr Patrick Sithole
Registrar

Date: 08 February 2024

Board Members: Ms Snowy Makhudu (Chairperson), Dr Khangwelo Desmond Musetsho (Vice-Chairperson),
Mr Zama Dlamini, Ms Jacqui Hex, Ms Minnette Le Roux, Ms Thato Moeeng,
Ms Jennifer Molwantwa, Mr Phumudzo Nethwadzi, Mr Danie Neumann,
Mr Khathutshelo Tshipala, Ms Lethogonolo Tungamirai
Registrar: Dr Patrick Sithole
NPO Reg. No. 122-986



This is to certify that
Vumile Ribeiro

is a member of the
**INTERNATIONAL ASSOCIATION
FOR PUBLIC PARTICIPATION**
for the year
2026

Membership Number
IAP2SA180

A handwritten signature in black ink, appearing to be 'D Morema', written over a thin horizontal line.

David Morema
Chairperson



IAIASa
Tel +27 (0)101 406 513
Cell +27 (0)82 961 5750

Address:
CUBE Workspace
1 Wedgewood Link Road
Bryanston
JHB

Email: operations@iaiasa.co.za

Website: www.iaiasa.co.za

IAIASa Confirmation of Membership: 2026/2027 Vumile Ribeiro | Membership no: 5925

TO WHOM IT MAY CONCERN

Vumile Ribeiro, Niara Environmental Consultants (IAIASa membership Number 5925) is a paid-up Full Member in good standing of the South African Affiliate of the International Association for Impact Assessment and has been a member of IAIAsa since Thursday, March 1, 2018.

Membership has been continuous from Thursday, March 1, 2018 to date.

This membership is valid from 01 March 2026 to 28 February 2027.

IAIASa is a voluntary association and is not a statutory body regulating the profession. Its members are expected to abide by the association code of ethics which is available on our website.

Any Individual conducting activities governed by the National Environmental Management Act 1998 (Act 107 of 1998) (NEMA) is required to be registered with the Environmental Assessment Practitioners Association of South Africa (EAPASA).

Any practicing natural scientist is required to be registered in terms of the Natural Scientific Professions Act, 2003 (Act No. 27 of 2003) (Sections 18 (1) and 20(2)(a) with the South African Council for Natural Scientific Professions (SACNASP) in the relevant field of practice for the specialist work conducted.

IAIASa is an Affiliate of IAIA which is an international body through a memorandum of understanding. IAIA is not responsible or liable for the actions or activities of the Affiliates. Membership of one does not imply membership of the other.

Any enquiries regarding this membership may be directed to the Secretariat at the above contact details.

Yours sincerely

Zama Mkhize-Pila
President 2025/2026

IAIAsa Membership Certificate

Full Name Vumile Ribeiro
E-mail vumile@niara.co.za
Company Name: Niara Environmental Consultants
Member Type: Full
IAIAsa Membership Number: 5925
IAIAsa Member Since Thursday, March 1, 2018



PHASA

Public Health Association
of South Africa

MEMBERSHIP CERTIFICATE

This certifies that

Vumile Ribeiro

is a registered member of the **Public Health Association of South Africa**

Membership number: 1526

Membership period ends: 18-03-2027

Date 02 March 2026


PHASA President

Secretariat Enquiries

secretariat@phasa.org.za or phasa.info@gmail.com



STUDENT NUMBER 28419660
SURNAME Dlamini
FIRST NAMES Vumile Celiwe
DATE OF BIRTH 1986-05-09
TYPE OF EXEMPTION Gr 12 not required

DATE ISSUED 2012-02-23

LIST OF COURSES PASSED

2011 (Full-time)		Program: BSocSci Hons	Plan: Environmental Anal and Mngm		
Course offering	Description	Academic progress unit	%	Decision result	
GGY 793	Geography of land reform 793	20	75	A- (Pass with distinction)	
GGY 785	Env impact assess and man 785	20	68	B+ (Pass)	
GGY 780	Urban geography of SA 780	20	75	A- (Pass with distinction)	
GGY 729	Industrial environmental 729	20	78	A- (Pass with distinction)	
GGY 727	Environmental compliance 727	20	68	B+ (Pass)	
GGY 711	Environmental principles 711	20	75	A- (Pass with distinction)	
GGY 703	Research and presen skills 703	10	68	B+ (Pass)	
GGY 702	Geography Project 702	30	73	B+ (Pass)	

Term percentage average: 72.81
Cumulative Percentage Average: 72.81

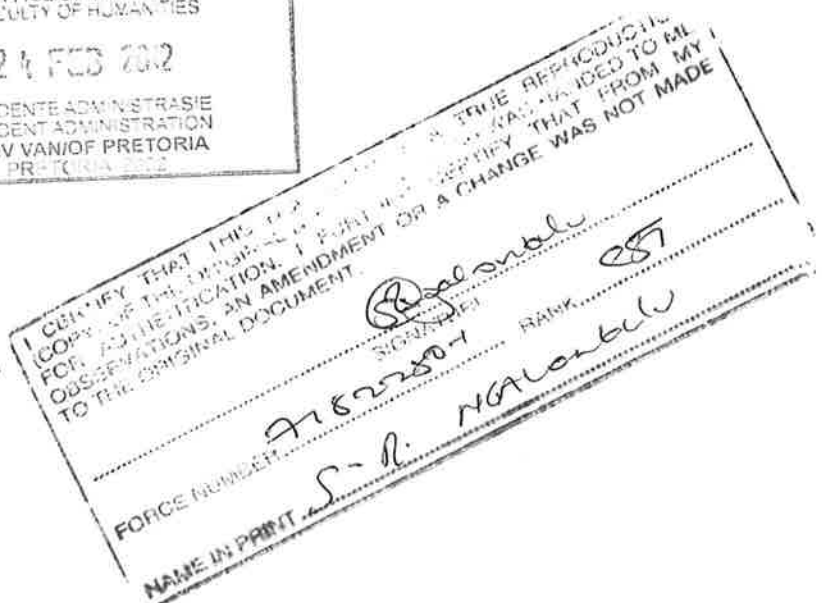
Outcome: Bachelor of Social Sciences Honours

The abovementioned student formally complied with all the requirements for the qualification: Bachelor of Social Sciences Honours on 2012-01-31 and this qualification will be conferred/issued on 2012-04-23

2012 (Full-time)		Program: BSocSci Hons	Plan: Environmental Anal and Mngm		
In partial fulfilment of the requirements for Bachelor of Social Sciences Honours					
Course offering	Description	Academic progress unit	%	Decision result	

Term percentage average: 0.00
Cumulative Percentage Average: 72.81

R. M. M. M. M.
for REGISTRAR





University of Pretoria
 Faculty of Natural and Agricultural Sciences
 Centre for Environmental Studies

This is to certify that

VC Dlamini

has successfully completed the

**Basic Training Course for
 Environmental Inspection**

July to December 2011

CERTIFIED A TRUE COPY
 OF THE ORIGINAL

Tshegofatso Mokoena
 13 Eton Road
 Parktown, 2193, Johannesburg
 Commissioner of Oaths *Ex Officio*
 Practising Attorney
 Republic of South Africa
 041 081 2023

Course Leader

General Manager CE&EP



UNIVERSITY OF KWAZULU-NATAL

The Universities of Durban-Westville and Natal merged
to become the University of KwaZulu-Natal on 1 January 2004

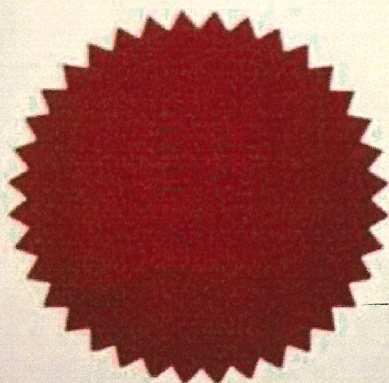
This is to certify that

Vumile Celiwe Dlamini

was admitted this day
at a congregation of the University
to the degree of

**Bachelor of Social Science
(Geography and Environmental Management)**

having satisfied the conditions prescribed for the degree.



CERTIFIED A TRUE COPY
OF THE ORIGINAL

Tshegofatso Mokoena
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Commissioner of Oaths *Ex Officio*
Practising Attorney
Republic of South Africa

04/08/2023

23 April 2007

LIV PROTECTED

M W Mafgohe
Vice-Chancellor

E Moseny
Registrar

D P McCracken
Dean



Hereby Certifies that

VUMILE DLAMINI

has completed the e-learning course

**INTRODUCTION TO CLINICAL
RESEARCH**

with a score of

89%

on

05/12/2018

This e-learning course has been formally recognised for its quality and content by the following organisations and institutions

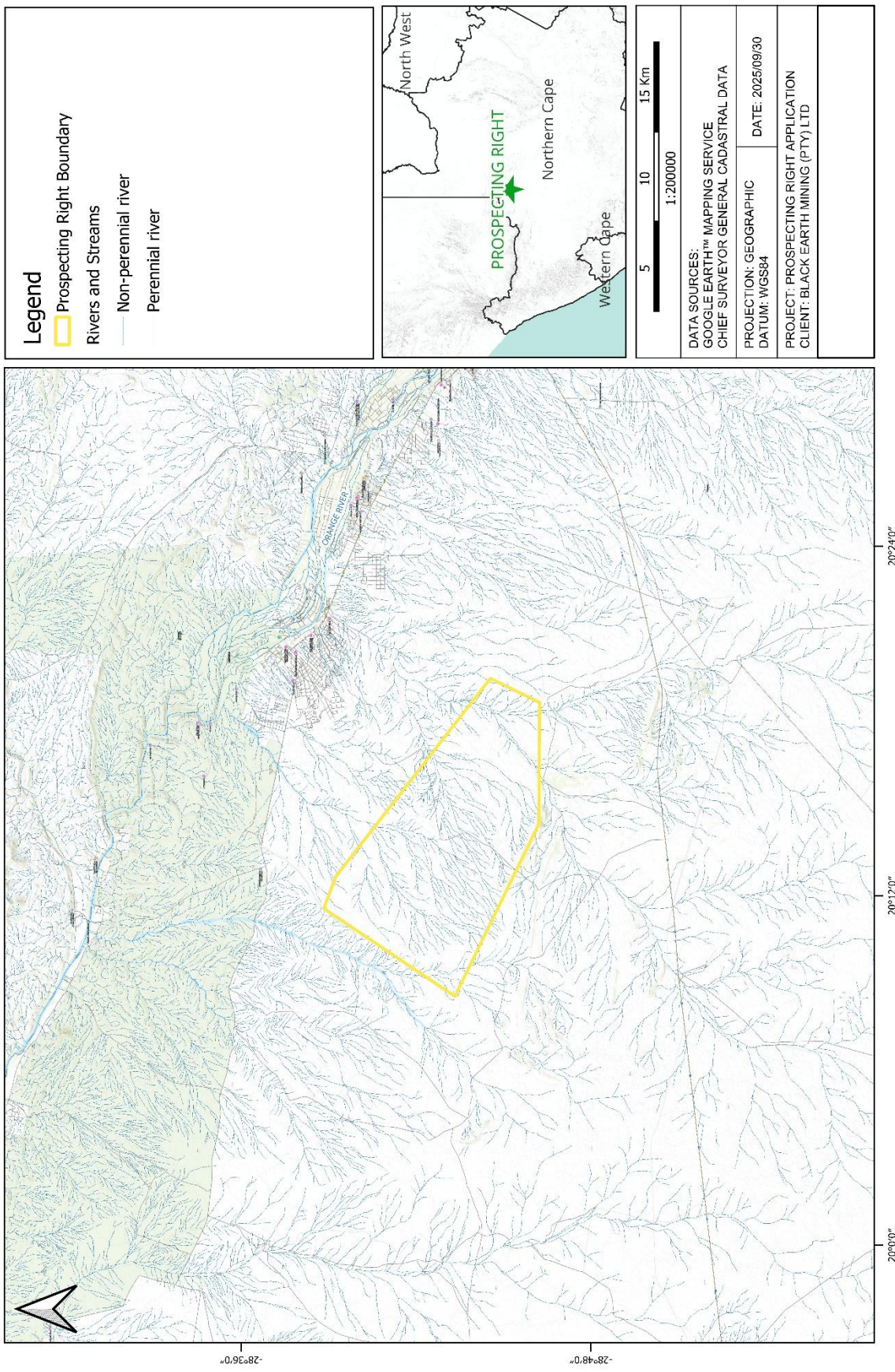


Global Health Training Centre
globalhealthtrainingcentre.org/elearning

Certificate Number 579917

10.2 APPENDIX 2 – LOCALITY MAP AT A SCALE NOT SMALLER THAN 1:25000

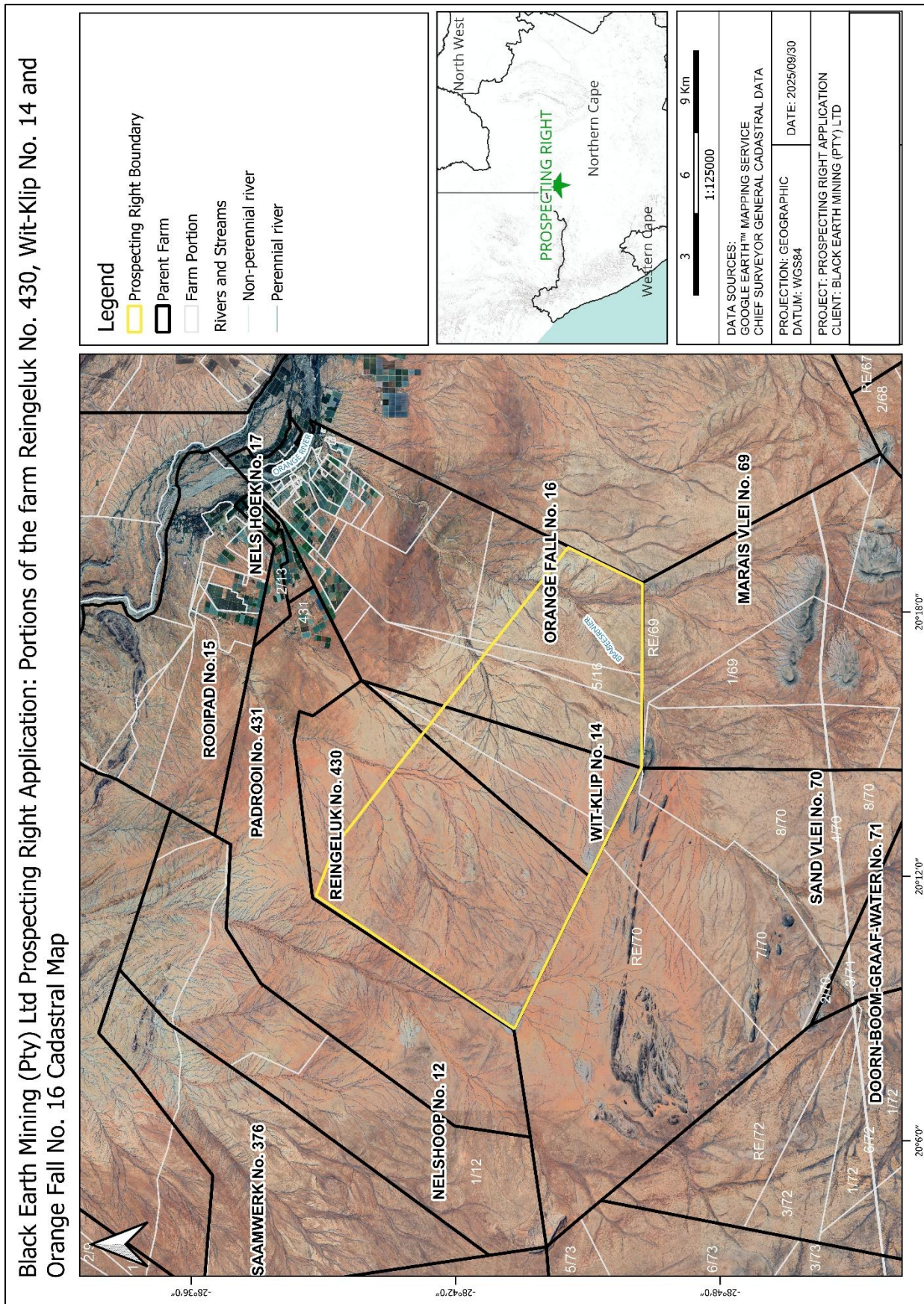
Black Earth Mining (Pty) Ltd Prospecting Right Application: Portions of the farm Reingeluk No. 430, Wit-Klip No. 14 and Orange Fall No. 16 Locality Map



10.3 APPENDIX 3 – ENVIRONMENTAL AUTHORISATIONS OBTAINED FOR THE SAME PROPERTY

- N/A

10.4 APPENDIX 4 PROPOSED SITE PLAN, SHOWING THE LOCATION OF ALL THE ACTIVITIES TO BE APPLIED FOR



10.5 APPENDIX 5 OTHER AUTHORISATIONS REQUIRED

- **N/A**

