



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 an X	Mark with where applicabl e
NEMA S&EIR application on its own	R10 000.00	<input type="checkbox"/>
NEMA BAR application on its own	R 2 000.00	<input 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 checked="" 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

2. DETAILS OF THE APPLICANT

Project applicant:	INCREDABLE BERACHOT MINING AND TRADERS (PTY) LTD		
Registration no (if any):	2012/095931/07		
Trading name (if any):	INCREDABLE BERACHOT MINING AND TRADERS (PTY) LTD		
Responsible Person, (e.g. Director, CEO, etc.):	Director		
Contact person:	Mr Masiwa Sithole and Allen Duroy		
Physical address: Postal address:	Portion 237 R555 Old Middelburg ROA, Kromdraai, eMalahleni, Mpumalanga, 1035		
Postal code:	1035	Cell:	+27 72 612 9726
Telephone:	+27 76 675 5640	Fax:	086 5144 103
E-mail:	duroy2002@gmail.com OR allanduroy@gmail.com		

3. ENVIRONMENTAL ASSESSMENT PRACTITIONER (EAP) INFORMATION

EAP:	Singo Consulting (Pty) Ltd		
Professional affiliation/registration:	Pr Sci Nat (Reg Number 400164/16) Member of LaRSA, IAIASA, GSSA		
Contact person (if different from EAP):	c/o Kenneth Singo		
Company:	c/o office 16, Corridor Hill Crossing, 9 Langa Crescent, eMalahleni, 1035		
Physical address:	c/o P/Bag X7297, Postnet Suite 87, Witbank		
Postal address:	1035		
Postal code:	Tell: 013 692 0041	Cell:	078 2727 839/ 072 081 6682
Telephone:		Fax:	086 5144 103
E-mail:	kenneth@singoconsulting.co.za or admin@singoconsulting.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. CV OF EAP IS ATTACHED**

4. PROJECT DESCRIPTION

Farm Name:	Graspan 222 IS, Portion 10
Application area (Ha)	346,4648ha
Magisterial district:	Gert Sibande District Municipality and Msukaligwa Local Municipality, Mpumalanga Province
Distance and direction from nearest town	The project area is approximately 53.8 km north-west from Ermelo, using the N11 to Middleburg, approximately 31,2 km north-east of Bethal using R38 road to Hendrina and it is 16 km south-west of Hendrina.
21 digit Surveyor General Code for each farm portion	TOIS00000000022200010
Locality map	See Figure 1 below
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>Mining Right Description of Mining Method and Process</p> <p>The mining method will be a standard truck and shovel application where the topsoil is removed and stored. Thereafter; softs will be removed and stored at the designated material stockpiles. Drilling and blasting of the hard materials (hards) will then take place. Following the blasting process, material will be dozed into the void following the coaling operation. A conservative estimate of 15 % dozer gain has been in the calculations.</p> <p>The remainder of the hard material will be loaded, trucked out of the pit, and dumped over the highwall into the void created by the mining operation. Coaling will then commence, and the process repeated on a strip-by-strip basis. Material (apart from the topsoil) will then be rolled-over into the void created by the removal of the coal in the previous bench, with the hard overburden and interburden forming the base. This is followed by the soft overburden, levelled, and finally topsoil will be placed and seeded.</p> <p>Initially, topsoil and hards will be placed in dedicated positions in the centre, just north of the Block OC1, as close as possible to the final void positions, in order to eliminate excessive handling during the closure phase of the mine. Rollover of overburden material will be implemented after the first strip has been mined. Rehabilitation will form an integral part of the mining process and final rehabilitated land will not be further than four mining strips behind the mining face.</p> <p>Drilling and blasting activities will be required for hard material. Waste material will be handled by excavators and small-articulated trucks, as well as dozers. Where practical, throw blasting will be utilised to minimise loading and hauling requirements of hard material. Blast gain is entirely dependent on the competency of the overburden. Where the overburden consists mainly of soft material, throw blast gain is minimal. When it is classified as competent overburden, throw blast gain increases to as much as 20 % of the blasted material. Approximately 15 % of the overburden will be moved by dozer-push method to the waste side of the pit.</p> <p>Establishing the backfill dumps as quickly as possible will minimise haul distances and ensure the waste fleets are kept to a minimum. Mine planning will sequence waste drilling, blasting, and removal to provide a continuous source of coal from the respective coal seams for beneficiation purposes.</p>

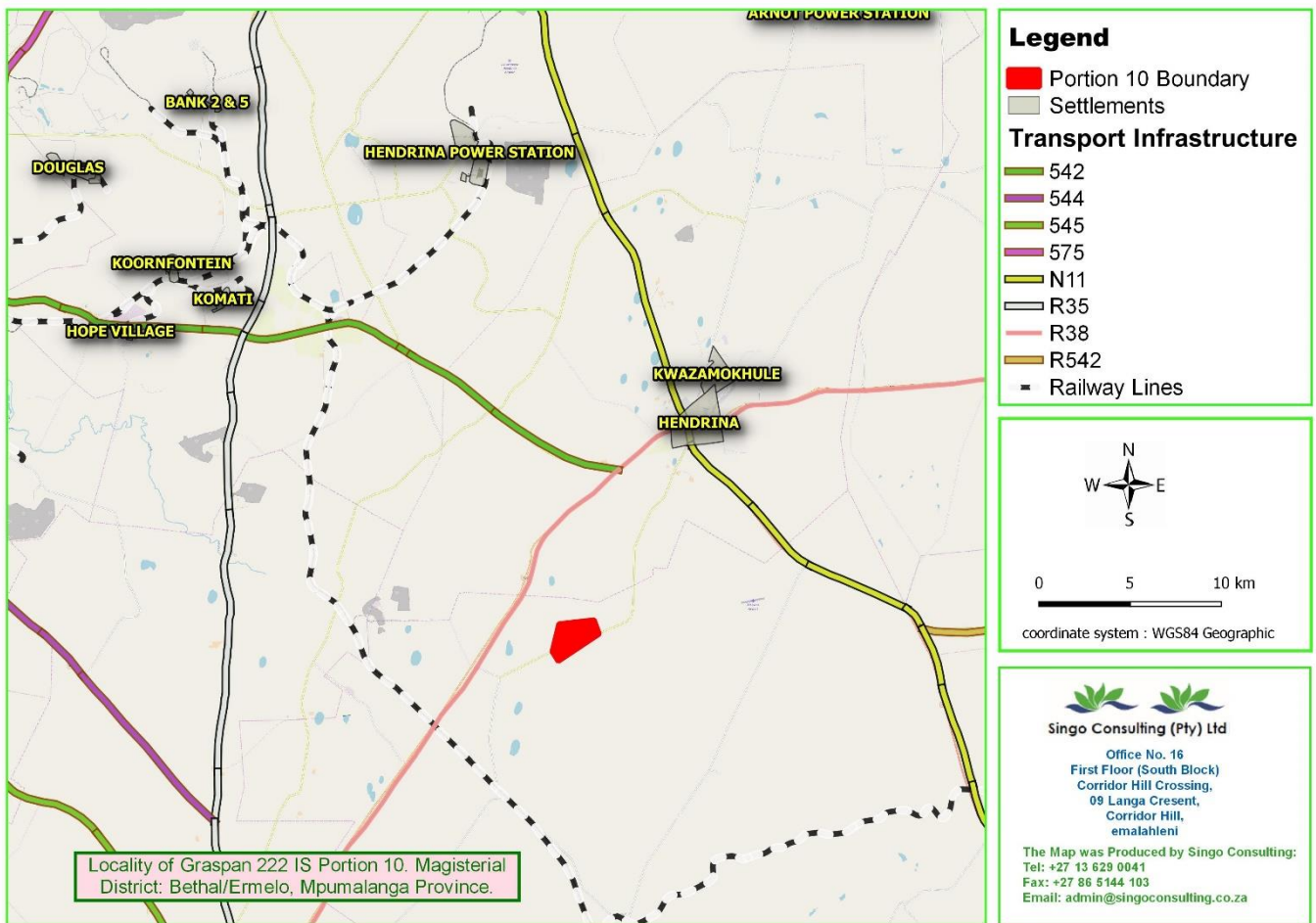


Figure 1: General Project Locality

5. ACTIVITIES TO BE AUTHORISED

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

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

Name of activity	Aerial extent of the activity Ha or m ² (from Google Earth Pro)	Listed activity	Applicable listing notice (GNR 544, GNR 545 or GNR 546)
Initial mine layout			
All infrastructure areas, development footprints and associated activities	Mineral boundary: 346, 4648 ha (As per Regulation 2.2 Map) Approximate area of surface disturbance: 34.35ha	X	GNR983, Activity 12 & 28 GNR984, Activity 15 GNR985, Activity 12 & 14
Boxcut excavation	20ha	X	GNR984, Activity 17
Blasting	Applicable to construction of boxcut only – 20ha		
Topsoil and subsoil stripping and stockpiling into berms	Maximum 20ha area		
Overburden stockpiles (non-carbonaceous)	2ha		
Overburden stockpiles (carbonaceous)	2ha	X	GNR984, Activity 6
decline Ventilation (1)	100m ² each		
Ventilation shafts (x2)	100m ² each		
Underground mining	Total underground mine area: 341, 47ha	X	GNR984, Activity 17
RoM coal stockpiling	RoM feed: 0.4ha	X	GNR984, Activity 6
Dismantling of Processing Plant and other related structures (including associated conveyors and powerlines)	4.2ha	X	GNR983, Activity 22 GNR984, Activity 21
Coal product stockpile and loading area	Product coal: 0.4ha	X	GNR984, Activity 6
Coal testing laboratory	<0.5ha		
Access and hauling on roads with truck stops and weighbridges	2,500m x 10m	X	GNR983, Activity 24 GNR985, Activity 4

Name of activity	Aerial extent of the activity Ha or m ² (from Google Earth Pro)	Listed activity	Applicable listing notice (GNR 544, GNR 545 or GNR 546)
Water supply and storage (potable and process)	Process/service water: <0.5ha (1,068 m ³ /day) Potable water: <0.5ha (32 m ³ /day)	X	GNR984, Activity 6 GNR985, Activity 2
Mine water storage (PCD) and associated pipelines and pumps	PCD: 1ha Pipelines <1,000m	X	GNR984, Activity 6
Storm water runoff management features (Clean and Dirty water trenches)	0.13ha		GNR984, Activity 6
Explosives magazine	0.5ha		
Waste generation and storage	0.4 ha		
Stores, workshops and washbays	0.6ha		
Fuel storage	0.2ha	X	GNR985, Activity 10
Hard park	0.5ha		
Ablutions and change house with two sewage treatment plants	0.5ha	X	GNR984, Activity 6
Offices and workshop area (O&AM) with parkade	0.25ha		
Electricity Powerlines	0.2ha	X	GNR983, Activity 11
Integrated Discarded slurry dump	0.4ha		GNR984, Activity 6 GNR921, Activity B (7), B (10) & B (11)
Rehabilitation, including backfilling of boxcut adit	34.35ha		GNR983, Activity 22 GNR921, Activity B(7) GNR921, Activity A (14)

ACTIVITY NAME (all activities, including those not listed) (E.g. Excavations, blasting, stockpiles, Discard dumps or dams, Loading, hauling and transport, Water supply dams and boreholes, accommodation, offices, ablution, stores, workshops, processing plant, storm water control, berms, roads, pipelines, power lines, conveyors,	AERIAL EXTENT OF ACTIVITY Ha or m ²	LISTED ACTIVITY	APPLICABLE LISTING NOTICE GNR 983 as amended, GNR 984 as amended or GNR 985 as amended
Storm water management structures, pipelines, berms and water resources diversions	Included in the overall of the Surface & underground mining areas	X	Listing notice 1-(9)
Access and haul roads	2ha	X	Listing notice 1-(24 ii)
Pipelines	1ha	X	Listing notice 1-(9) i & ii
Overland conveyer	26km	X	Listing Notice 1- (12) xii Listing Notice 3 (14)
Sewage treatment	0.5ha	X	Listing notice 1-(10) (i & ii)
Bulk hydrocarbon storage facilities/filling station	0.5ha	X	Listing Notice 1-(14) Listing Notice 2-(4)
Shaft development	5ha	X	Listing Notice 2 (17)
Mining of coal by underground mining	341.47ha	X	Listing notice 2-(17)
Crushing and screening of coal underground	0.5 ha	X	Listing notice 2- (21)
All infrastructure Including external parking, security and weighbridge, truck loading area, internal parking, silos, stockpiles, sewage treatment plant, scrap yard, offices, crusher and screen plant, medical facility, stores, raw water dam, storage yard and the ventilation shaft	34.35ha	X	Listing notice 1-(27)
Sub-station and power line	0.2ha	X	Listing notice 1-(11)
ACTIVITY NAME (all activities, including activities not listed) (E.g. excavations, blasting, stockpiles, Discard dumps or dams, loading, hauling and transport, water supply dams and boreholes, accommodation, offices, ablution, stores, workshops, processing plant, storm water control, berms, roads, pipelines, power lines, conveyors	AERIAL EXTENT OF ACTIVITY Ha or m ²	LISTED ACTIVITY Mark with an "X" where applicable/affected	APPLICABLE LISTING NOTICE GNR 921 of the NEM:WA 59 of 2008

ACTIVITY NAME (all activities, including those not listed) (E.g. Excavations, blasting, stockpiles, Discard dumps or dams, Loading, hauling and transport, Water supply dams and boreholes, accommodation, offices, ablution, stores, workshops, processing plant, storm water control, berms, roads, pipelines, power lines, conveyors,	AERIAL EXTENT OF ACTIVITY Ha or m ²	LISTED ACTIVITY	APPLICABLE LISTING NOTICE GNR 983 as amended, GNR 984 as amended or GNR 985 as amended
Residue stockpiles or deposit areas Mining, exploration or production operation, resulting in the development of residue stockpiles and residue deposits. Prospecting, mining, exploration or production operation, resulting in development of residue stockpiles and residue deposits. The management and control of these wastes must take place in accordance with the regulations for management and control of residue deposits and residue stockpiles or an integrated environmental authorisation as provided for in terms of NEMA.	Included in the infrastructure area of the mine 5 ha	X	Category B; Listing 7, 9, 10, 11
Waste: Waste stockpiles will contain all the waste products from the mine workings. Waste stockpiles are indicated in the list of waste activities published in the GN. No. R. 632 of 24 July 2015 in accordance with the National Environmental Management: Waste Act 59 of 2008. One of the activities which guides the waste stockpiles is; Activity 17 of GN.R. 984: "Any activity which requires a mining right as contemplated in section 22 of the Mineral Resources and Petroleum Development Act (MPRDA), 2002 (Act no. 28 of 2002), including associated infrastructure, structures and earthworks, directly related to the extraction of a mineral resource, including activities for which an exemption has been issued in terms of section 106 of the MPRDA." The applicable waste management activity (Category A activity 1 and Category B listed activity 11 of GN.R. 633) relates to residue stockpiles associated with the mining of the coal mineral, covering an extend of not more than 355 ha, on the property mentioned. It also include the construction of PCD to contain the "dirty" storm water runoff and also a Discard dump to contain waste.	Discard dump and PCD (total:1.4ha)		Activity 17 of GN.R. 984

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 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	N/A	

6.1.2. DETAILS OF THE ENGAGEMENT PROCESS TO BE FOLLOWED

Steps to be taken to notify interested and affected parties	PROVIDE DESCRIPTION HERE
<p>parties (Describe the process to be undertaken to consult interested and affected parties including public meetings and one on one consultations. NB the affected parties must be specifically consulted regardless of whether or not they attended public meetings. Photographs of notice boards, and copies of advertisements and notices notifying potentially interested and affected parties of the proposed application must be attached as Appendix)</p>	<p>Public Participation Process to be undertaken:</p> <ul style="list-style-type: none"> • Advertise in local newspaper or Gazette and onsite; • 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; * 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. <p>* I&APs will be afforded further opportunities to comment on the project before submission to authorities for Record of Decision.</p>

Information to be provided to Interested and Affected Parties.	<p>Compulsory</p> <ul style="list-style-type: none"> ❖ The site plan. ❖ List of activities to be authorised ❖ Scale and extent of activities to be authorised ❖ Typical impacts of activities to be authorised (e.g.surface disturbance, dust, noise, drainage, fly rock etc.) ❖ The duration of the activity. ❖ Sufficient detail of the intended operation to enable them to assess what impact the activities will have on them or on the use of their land) <p>Other, specify: Background Information Document, Scoping and EIA report, Specialist studies</p>
Information to be required from Interested and Affected Parties.	<p>Compulsory</p> <ul style="list-style-type: none"> ❖ To provide information on how they consider that the proposed activities will impact on them or their socio-economic conditions ❖ To provide written responses stating their suggestions to mitigate the anticipated impacts of each activity ❖ To provide information on current land uses and their location within the area under consideration ❖ To provide information on the location of environmental features on site to make proposals as to how and to what standard the impacts on site can be remedied. requested to make written proposals ❖ To mitigate the potential impacts on their socio-economic conditions to make proposals as to how the potential impacts on their infrastructure can be managed, avoided or remedied). <p>Other, Specify Questionnaire on potential/perceived environmental, cultural and socio-economic impacts</p>

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.	Baseline environmental information identification Specialist Studies (where applicable) Site inspections Literature review (existing information/records and existing databases from government and other information resources agencies) Interviews with local inhabitants and landowners Feedback during Public Participation Process
Identification of impacts and risks. (Describe the process that will be used to identify impacts and risks.	<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"> 2.1 Sampling, Data Collection and Monitoring 2.2 Assumptions and Measurements 2.3 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 5 Determine Status of Insignificant Impacts / Risks: <ol style="list-style-type: none"> 5.1. Status of Insignificant Risks: 6 Alternative Risk Prevention and Management Strategies

<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>Alternatives to be considered:</p> <ol style="list-style-type: none"> 1. Site selection (for infrastructure, contractors camp and boreholes) 2. Mining Methods (e.g. open cast mining, winning) 3. Mineral Analysis Methods 4. Equipment, Transport, Power and Water Supply 5. No-go option
<p>Process to assess and rank impacts. Describe the process to be undertaken to identify, assess and rank the impacts and risks each individual activity.</p>	<p>The assessment procedure will make use of: Predictive methods: the magnitude of the impact will be predicted. Evaluation methods: the significance of the impacts will be assessed</p> <p>TIMING Immediate Construction/operation Rehabilitation</p> <p>DURATION Short term = 0-6 months</p> <p>EXTENT On-site Local = 0-40 km radius District, Regional, National</p> <p>PROBABILITY Definite: 100% probability of occurrence High: 99-50% probability of occurrence Moderate: 49-15% of occurrence Low:<15% probability of occurrence</p> <p>INTENSITY/SEVERITY</p>

	<p>High: 100-50% degree of change in area of direct effect/impact Medium: 50-15% change in the area of effect Low:<15% change in area of effect</p> <p>DETERMINATION OF IMPACT SIGNIFICANCE WILL ENTAIL THE FOLLOWING:</p> <p>The significance of the unmanaged and managed impacts will be assessed through consideration of the probability of the impact occurring, the extent over which the impact will be experienced, and the intensity/severity of the impacts, as follows:</p> <ol style="list-style-type: none"> 1. Negligible: * the impact is non-existent or insubstantial, is of no or little importance to any stakeholders and can be ignored. 2. Low: * the impact is limited in extent, has low to medium intensity; whatever its probability of occurrence is, the impact will not have a material effect on the decision and is unlikely to require management intervention carrying significant costs. 3. Moderate: * the impact is of importance to one or more stakeholders, and its intensity will be medium or high; therefore, the impact may materially affect the decision, and management intervention will be required. 4. High: * the impact could render development options controversial or the entire project unacceptable if it cannot be reduced to acceptable levels, and/or the cost of management intervention will be a significant factor in project decision-making.
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<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>Specific specialits studies are identified and if required the following considerations are made: In order to assess the environmental, social and cultural impacts of the proposed project, a number of specialist studies may be commissioned. The findings of these studies will be incorporated into the BAR or Environmental Impact Assessment Report (EIR). The specialist studies consider the proposed structure and activities of the operations, as well as the associated risks to the receiving physical and socio-cultural environment.</p> <p>The following aspects of the biophysical environment will be considered in the baseline studies:</p> <ul style="list-style-type: none"> ❖ Surface Water; ❖ Groundwater; ❖ Noise; ❖ Vegetation and Fauna; ❖ Heritage and Archaeology; ❖ Traffic; ❖ Soil; ❖ Land Use; ❖ Visual Aspects.
<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>Objectives for management of environmental impacts Objectives for socio economic conditions Objective for historical and cultural aspects Objectives for Closure</p> <p>* Describe the pre-mining environment as informed by the description of the baseline socioeconomic environment * Identify the measures required to contain or remedy any causes of pollution or degradation or the migration of pollutants</p> <p>Identify Activities Identify aspects and impacts Identify Management / Mitigation Measures Determine closure objectives Develop implementation plan Identify environmental costs</p> <p>List those management activities which, where applicable, will be conducted daily, weekly, monthly, quarterly, annually or periodically as the case may be in order to control any action, activity or process which causes pollution or environmental degradation. Define the roles and responsibilities for the execution of the monitoring and management programmes.</p>

8. OTHER AUTHORISATIONS REQUIRED

LEGISLATION	Mark with an X where applicable			
	AUTHORISATION REQUIRED		APPLICATION SUBMITTED	
	YES	NO	YES	NO
SEMA s				
National Environmental Management: Air Quality Act		X		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			
National Water Act	X			X
National Heritage Resources Act		X		

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

*A water use license has been applied for, consultation with DWS is ongoing. Proof of application is attached in appendix 3 of this report and the application is on phase 3 of 3.

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...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 Bush clearing, infrastructure, establishing construction area	Construction Operation Decommissioning	34.35ha	<ul style="list-style-type: none"> •Dust suppression •Speed limits • Service equipment regularly 	NEMA Air Quality Act Mine Health & Safety Act Biodiversity Act
Earthworks (for all infrastructure)	Construction Operation Decommissioning	14.35ha	<ul style="list-style-type: none"> • Dust Control • Concurrent rehabilitation • Access control 	Procedures for Managing Significant Impacts Related to Mining.

				NEMA Air Quality Act Mine Health & Safety Act
Civil works Building activities, erection of structures, concrete work, steel work, electrical installation, establishing pipelines	Construction Operation Decommissioning	14.35ha	Concurrent rehabilitation	Procedures for Managing Significant Impacts Related to Mining. NEMA Air Quality Act Mine Health & Safety Act

Open pit mining excavating, load, hauling, dewatering	Construction Operation	34.35ha	<ul style="list-style-type: none"> • Concurrent rehabilitation • EMPr mitigation measures • Dust, Air and water quality monitoring 	Procedures for Managing Significant Impacts Related to Mining. NEMA Air Quality Act Mine Health & Safety Act
Mineral processing Washing and screening plant	Construction Operation Decommissioning	4ha	<ul style="list-style-type: none"> • Concurrent rehabilitation • Water monitoring 	Procedures for Managing Significant Impacts Related to Mining. NEMA Air Quality Act Mine Health & Safety Act NWA
Waste rock management Storage, final disposal	Operation Decommissioning Closure (final land form)	0.4ha	<ul style="list-style-type: none"> • Concurrent rehabilitation • EMPr mitigation measures • Dust, Air and water quality monitoring 	Procedures for Managing Significant Impacts Related to Mining. NEMA Air Quality Act Mine Health & Safety Act
Power supply and use Internal site distribution	Construction Operation Decommissioning	0.2ha	Reduced electricity usage Use natural light and solar where possible	EMPr recommendations
Water supply and use Delivery on site, storage of clean water	Construction Operation Decommissioning	0.13ha	Water quality monitoring	National Water Act
Dirty water management Collection, storage of dirty water for re-use, recycling	Construction Operation Decommissioning	1ha	<ul style="list-style-type: none"> • Waste management • Water monitoring 	National Water Act Waste Act
Stormwater management Stormwater channels and berms, collection of dirty water, storage for re-use	Construction Operation Decommissioning	4.08ha	<ul style="list-style-type: none"> • Storm water management system • Concurrent rehabilitation and monitoring 	Storm water management NWA
Transport systems Use of access points, road transport to and from site for employees	Construction Operation Decommissioning	2HA	<ul style="list-style-type: none"> • Restricted access • Speed limits • Road safety practice 	Road Safety Act
Storage and maintenance services/ facilities Washing vehicles and machinery, storage and handling non-process materials	Construction Operation Decommissioning	1.05ha	•Use oil trays Waste management	MPRDA Reg 68 NEMA Waste Act
Demolition Dismantling, demolition, removal of equipment	Operation (as part of maintenance) Decommissioning	14.35 ha	Systematic rehabilitation	Procedure for Emergency Preparedness and Response Procedure

Rehabilitation Replacing soil, slope stabilization, landscaping, revegetation, restoration	Construction Operation Decommissioning Closure	346.4648ha	Systematic rehabilitation	Approved Rehabilitation Plan
Maintenance and aftercare Inspection and maintenance of remaining facilities and rehabilitated areas	Closure	346.4648ha	Systematic rehabilitation	Approved Closure Plan

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	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 Interviews and questionnaires will be used.
Closure objectives Describe the closure objectives and the extent to which they will be aligned to the baseline environment	<ul style="list-style-type: none"> • To leave site in a safe state for humans and animals. • To ensure that the water resource (surface and ground) is not affected by rehabilitation activities. • To promote indigenous vegetation growth suitable for animals that graze over the disturbed areas on the site. • Backfilling of all excavated areas will be backfilled with overburden and discard material to adopt a shape similar to its initial state. • Removal of all surface infrastructure from the site. • Cleaning and upgrading of all access to fit the current land use. • Top soiling of rehabilitated disturbed surfaces around the processing area. • Leave rehabilitated ground to ensure blending with the surrounding environment. • To leave the sensitive areas untouched and intact as they were prior to the mining activity.
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>Extent of the Area required for Mining</p> <p>346.4648ha</p> <p>Extent of the Area required for Infrastructure, Roads, Servitudes, etc.</p> <p>14.35 ha</p> <p>A rehabilitation plan will be provided in the final EIA/EMPr report drawn to a suitable scale showing systematic rehabilitation phases.</p>

<p>Rehabilitation Cost Describe how the rehabilitation cost will be determined and provide a preliminary estimate thereof</p>	<p>Financial provision has been calculated according to the regulation 54 of the MPRDA and the principles presented in the guidelines for the determination of financial provision for the mining industry – and only aspects applicable to mining activities up to de-establishment are addressed in the financial provision assessment.</p> <p>Refer to the appended quantum calculation table.</p> <p>Estimated quantum of financial provision for final rehabilitation is R8 718 254 to be provided as guarantee. Estimated Progressive Rehab Cost over the life of mine is: R8 718 254</p>
<p>Decommissioning Considering that rehabilitation must take place upon cessation of an activity, describe when each of activities applied for will be rehabilitated in terms of either the cessation of the individual activity or the cessation of the overall prospecting or mining activity.</p>	<p>Rehabilitation of Camp Site - upon completion of the entire mining phase. Rehabilitation of excavations - immediately after depletion of coal materials. Rehabilitation of Access Roads - Once the use of specific roads ceases and upon completion of the mining work on site General surface rehabilitation - concurrent with mining activities</p>

MR NK SINGO

Signature of the applicant

SINGO CONSULTING

Name of company (if applicable):

30 September 2019

Date:

APPENDIX 1
CV OF THE EAP

MANAGEMENT

SINGO
CONSULTING



Dr. Singo Kenneth Ndinanyi - Pr.Sci.Nat

Managing Director

PhD, MSc, BSc (Hons) Mining & Env Geol

+27 78 2727 839 | +27 72 081 6682

kenneth@singoconsulting.co.za

DR. N.K Singo is a registered competent person with the South African Council for Natural Scientific Professions (SACNASP: Earth Science Reg. No: 400069/16), Geological Society of South Africa (GSSA), the Land Rehabilitation Society of Southern Africa (LaRSSA) and South African Affiliates of the International Association for Impact Assessment. Kenneth holds an MSc in Environmental

Management (University of South Africa (UNISA) & a BSc (Hons) in Mining & Environmental Geology the University of Venda).

He has just recently qualified for his Ph.D. (Geology, Applied Environmental Mineralogy and Geochemistry) at the University of Johannesburg. He worked for Malateng Mining CC as Geologist Consultant and Environmental Analyst. In search for growth, he joined Ncondezi Coal Company in Mozambique, Tete Coal basin as Leading Project Geologist. He worked for Anglo American Thermal Coal as a Senior Project Geologist. He is the Managing Director and Principal Consultant for Singo Consulting (Pty) Ltd

Kenneth has knowledge of Mine Water and Mine Environmental Management (acid mine drainage, heavy metal assessments and tailings management) in various commodities including Silica (general), gold, magnesite and base metals (Cu, Pb, Zn). He has extensive knowledge of defunct mining waste and waste water impact assessments in communities residing in the vicinity of those mines. This knowledge was gained through MSc. Kenneth has sound knowledge of risk assessment, both in terms of human health and the environment. He is experienced in the appraisal of potential constraints, as well as devising means of mitigation through remedial strategy development, feasibility and validation.

During his PhD studies, Kenneth learned how to operate within contaminated lands. His PhD largely focused on disused mines (gold, copper and magnesite) ranging from Phase I and Phase II investigations to development of remedial strategies (i.e. Phase III). His PhD further equipped him to intensively understand the waste classification, profiling and understanding of the implications associated with the management of waste, landfill disposal profiling and development of beneficiation strategies.

"Protect & Manage the best remaining Environment"

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**APPENDIX 2
DECLARATION OF THE EAP**

I, **NK SINGO**, declare that –

General declaration:

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

Disclosure of Vested Interest (delete whichever is not applicable)

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

**I DO NOT HAVE ANY VESTED INTEREST IN THE PROPOSED ACTIVITY
OTHER THAN REMUNERATION FOR WORK PERFORMED IN TERMS OF
THE NEMA REGULATIONS**

Signature of the environmental assessment practitioner:

SINGO CONSULTING PTY LTD

Name of company:

30 September 2019

Date:

Signed Declaration**1. ENVIRONMENTAL ASSESSMENT PRACTITIONER (EAP) INFORMATION**

EAP Company Name:	Singo Consulting Pty Limited			
B-BBEE	Contribution level (indicate 1 to 8 or non-compliant)	1	Percentage Procurement recognition	135%
EAP name:	Kenneth Singo			
EAP Qualifications:	MSc Environmental Management			
Professional affiliation/registration:	International Association for Impact Assessment (IAIA South African Affiliate)			
Physical address:	Office 16, Corridor Hill Crossing, 9 Langia Crescent			
Postal address:	P/Bag X7297, Suite 87, Witbank			
Postal code:	1035	Cell:	078 2727 839	
Telephone:	013 882 0041	Fax:	066 514 4103	
E-mail:	kenneth@singoconsulting.co.za			

The appointed EAP must meet the requirements of Regulation 13 of GN R682 of 04 December 2014, as amended.

2. DECLARATION BY THE EAP

I, P. P. Sinyanga Mashigo, declare that -

- I act as the independent environmental assessment practitioner in this application;
- 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 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 will take into account, to the extent possible, the matters listed in Regulation 13 of the Regulations when preparing the application and any report relating to the application;
- 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, unless access to that information is protected by law, in which case it will be indicated that such information exists and will be provided to the Competent Authority;
- I will perform all obligations as expected from an environmental assessment practitioner in terms of the Regulations; and
- I am aware of what constitutes an offence in terms of Regulation 48 and that a person convicted of an offence in terms of Regulation 48(1) is liable to the penalties as contemplated in Section 49B of the Act.

Disclosure of Vested Interest (delete whichever is not applicable)

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

P.P. 
Signature of the Environmental Assessment Practitioner

Simo Consulting (Pty) Ltd
Name of Company

2019-09-27
Date

3. UNDERTAKING UNDER OATH/ AFFIRMATION

I, P.P. Symbonga Machingo, swear under oath / affirm that all the information submitted or to be submitted for the purposes of this application is true and correct.

P.P. 
Signature of the Environmental Assessment Practitioner

Simo Consulting (Pty) Ltd
Name of Company

2019-09-27
Date

7100339-1

Signature of the Commissioner of Oaths

2019-09-27
Date



Appendix 3: PROOF WULA APPLICATION



water & sanitation

Department:
Water and Sanitation
REPUBLIC OF SOUTH AFRICA

Enquiries: Ms N Mandlazi
Telephone: 0139322061
Ref. No: WU12463
File No: 27/2/2/B111/23/1

Mr. NK Singo
Incredible Berachot Mining and Traders (Pty) Ltd
P/Bag X7297,
Postnet Suite 87
WITBANK
1035

Dear Mr. NK Singo,

WATER USE LICENCE APPLICATION IN TERMS OF SECTION 40 OF THE NATIONAL WATER ACT, 1998 (ACT 36 of 1998), Olifants - Bronkhorstpruit.

The Department of Water and Sanitation has assessed your water use licence application that was submitted on 23 Aug 2019. In order for the Department to further process your application the following additional information is requested:

Technical Documentation
IWWMP
Design Drawings of Waste Management Facility and Report
EIA Report
Environmental Management Plan Report
Geohydrological Report
Hydro Pedological Report
Hydrological Report
Proof of payment of licence processing fee/Letter of waiver from DWS
Public Participation Advert Notice and Report
Wetland Assessment Report
Stormwater Management Plan
Water Balance

The information requested must be submitted to the Department on or before 10 January 2020.

Letter 5: Request for Additional Information