

APPLICATION FORM FOR ENVIRONMENTAL AUTHORIZATIONS 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 authorizations 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 license and any other authorizations nor licenses 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 license 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.
- 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 authorization 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 AUTHORIZATIONS BEING APPLIED FOR

APPLICATION TYPE	APPLICATION FEE	MARK WITH AN X WHERE APPLICABLE
NEMA S&EIR application on its own	R 10 000.00	X
NEMA BAR application on its own	R 2 000.00	
NEMWA S&EIR application on its own	R 10 000.00	
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&EIAR application combined with NEMWA BAR application	R 11 000.00	

1. CONSULTATION BASIC ASSESSMENT AND/ OR SCOPING REPORT

2. DETAILS OF THE APPLICANT

Project applicant:	Aroams Quarry (Pty) Ltd			
Registration no (if any):	2019/115729/07			
Trading name (if any):	Aroams Quarry (Pty) Ltd			
Responsible Person (e.g. Director, CEO, etc.):	Mrs. Marsha Millicent Adonis / M	r. Kau Ephraim Msiman	go	
Contact Person:	Mr. Frikkie Ferreira			
Physical address:	Building 1, Highgrove Office Park, 50 Tegel Avenue, Highveld, Centurion, 0169			
Postal address:	PO Box 66192, Highveld, Centur	ion, Gauteng,		
Postal code:	0169	Cell:	+27 78 802 8787	
Telephone:	+27 18 787 2010	Fax:		
E-mail:	Frikkie@sphgroup.co.za			

3. ENVIRONMENTAL ASSESSMENT PRACTITIONER (EAP) INFORMATION

EAP:	Mrs. Y Coetzee			
Professional	SACNASP-Registration Number 400324/13			
affiliation/registration: Contact Person (if different from	CACIVACI Tregistration Number	1 +0002+/10		
EAP):	Mrs. Y Coetzee			
Company:	Greenmined Environmental			
Physical address:	93-94 Maple Street, Pomona, Kempton Park,1619			
Postal address:	Suite 62, Private Bag X15, Somerset West			
Postal code:	7129	Cell:	082 734 5113	
Telephone:	011 966 4390	Fax:	086 546 0579	
E-mail:	yolandie.c@greenmined.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**.

4. PROJECT DESCRIPTION

Farm Name:	On a portion of portion 2 (remaining extent) of the farm Aroams 57.		
Application area (Ha)	13.6ha		
Magisterial district:	Registration Division of Namaqualand RD		
Distance and direction from nearest town	Approximately 8.84 km East Aggeneys, Northern Cape Province. Using the N14, head east for approximately 8.84km. The entrance to the proposed mining area is found on the left of the road. The quarry will be an extension to the existing quarry.		
21 digit Surveyor General Code for each farm portion	C0530000000057000002		
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)	Aroams Quarry (Pty) Ltd intends to apply for a mining right to mine 13.6 ha of on a portion of portion 2 (remaining extent) of the farm Aroams 57, which falls in the Khâi-Ma Municipality Local Municipality in the Registration Division of Namaqualand RD, Northern Cape Province. The area earmarked for the proposed mining falls on a section of the farm that was previously used as an existing quarry and the intention of this application is to increase the existing quarry. The proposed Aroams Quarry will be located adjacent to the SPH Kundalila Quarry and Lime Sales Quarry. The mining methods will make use of blasting means of explosives in order to loosen the hard rock, the material is then loaded and hauled out of the excavation to the mobile crushing and screening plants. Lime Sales will be using the existing processing area that SPH Kundalila have been using. No		
	expansion of this proposed processing area will take place. The Aggregate, Gravel, Granite and Dolomite will be stockpiled and transported to clients via trucks and trailers. All activities will be contained within the boundaries of the site. Blasting will only occur once every two to three weeks. The proposed mining area is approximately 13.6ha in extent and the applicant, Aroams Quarry (Pty) Ltd intents to win material from the area for 30 years. The Aggregate, Gravel, Granite and Dolomite to be removed from the quarry will be used for road construction in the vicinity. The proposed quarry will therefore contribute to the upgrading / maintenance of road infrastructure in and around the Aggeneys area. The Aggregate, Gravel, Granite and Dolomite to be mined at the site is found		
	at surface level, and very little to no topsoil exist in the proposed mining area. Topsoil stripping is therefore not viable at the proposed quarry area. The overburden will be removed and stockpiled separately for later use when the quarry is rehabilitated. Blasting of rock and secondary blasting will occur more than once a month. The noise caused by blasting will be instantaneous and of short duration. As there are no residents within close proximity to the proposed mining area, the blasting at the site will not have an adverse effect on surrounding landowners. The applicant must ensure that all surrounding residents as well as permit holders are informed of each blasting event. The mining activities will consist out of the following: • Stripping and stockpiling of topsoil; • Blasting;		

- Excavating;
- Crushing;
- Stockpiling and transporting;
- Sloping and landscaping upon closure of the site; and
- Replacing the topsoil and vegetation the disturbed area.

The mining site will contain the following:

- Drilling equipment;
- Excavating equipment;
- · Earth moving equipment; and
- Mobile crushing and screening plants.
- Access Roads;
- Site Offices (Container);
- Site vehicles;
- Parking area for visitors and site vehicles;
- Vehicle service area;
- Wash bay;
- Workshop;
- Salvage Yard;
- Bunded diesel and oil storage facilities:
- · Generator on bunded area;
- Ablution Facilities;
- Weigh Bridge; and
- Demarcated general and hazardous waste area.

A generator will be used to power the infrastructure on site until an Eskom connection can be secured. All diesel storage will be below the threshold as mentioned in the EIA regulations of the National Environmental Management Act, 1998 (Act No 107 of 1998) as amended 2017.

Any water required for the implementation of the project will be drawn from a borehole to be established on site, a water use authorization application is in process.

5. ACTIVITIES TO BE AUTHORIZED

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

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

(E.g. For prospecting - drill site, site camp, ablution facility, accommodation, equipment storage, sample storage, site office, access route etcetc. 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, etcetc.)	Aerial extent of the Activity. Ha or m ²	LISTED ACTIVITY (Mark with an X where applicable or affected).	APPLICABLE LISTING NOTICE (GNR 544, GNR 545 or GNR 546)	WASTE MANAGEMENT AUTHORIZATION (Indicate whether an authorization is required in terms of the Waste Management Act). (Mark with an X)
Application for a Mining Right	13.6ha	X	GNR 325 Environmental Impact Assessment Regulations Listing Notice 2 of 2017 Activity 15, 17 GNR 327 Environmental Impact Assessment Regulations Listing Notice 1 of 2017 Activity 14, 22, 27, 28, 35, 56	N/A
Demarcation of site with visible beacons.	13.6 ha	N/A	Not listed	N/A
Stripping and stockpiling of topsoil.	13.6 ha	X	GNR 325 LN 2 Activity 15, 17	N/A

RAME OF ACTIVITY (E.g. For prospecting - drill site, site camp, ablution facility, accommodation, equipment storage, sample storage, site office, access route etcetc 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, etcetc.)	Aerial extent of the Activity. Ha or m ²	LISTED ACTIVITY (Mark with an X where applicable or affected).	APPLICABLE LISTING NOTICE (GNR 544, GNR 545 or GNR 546)	WASTE MANAGEMENT AUTHORIZATION (Indicate whether an authorization is required in terms of the Waste Management Act). (Mark with an X)
			GNR 327 LN 1 Activity 28	
Drilling and blasting.	±7.8 ha	X	GNR 327 LN 1 Activity 21, 28	N/A
Excavation, loading and hauling to	±3.87 ha	X	GNR 327 LN 1 Activity 21,	N/A
the processing area.	ha		28	
Crushing and Screening	±3.87 ha	X	GNR 325 LN 2 Activity 17	N/A
			GNR 327 LN 1 Activity 14	
Stockpiling and transportation of	± 3.87 ha	X	GNR 327 LN 1 Activity 24,	N/A
material from site			56	
Sloping and landscaping upon	13.6 ha	X	GNR 327 LN 1 Activity 22	N/A
closure of the mining area.			-	
Replacing the topsoil and vegetating the disturbed area.	13.6 ha	X	GNR 327 LN 1 Activity 22	N/A

6. PUBLIC PARTICIPATION

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

Details of the Public Participation process to be followed.

6.1.1. IDENTIFICATION OF INTERESTED AND AFFECTED PARTIES TO BE CONSULTED

IDENTIFICATION CRITERIA		Mark with an applica	
		YES	NO
Will the landowner be specifically con	sulted?	Х	-
Will the lawful occupier on the proper	y other than the Landowner be consulted?	Х	-
Will a tribal authority or host commun	ty that may be affected be consulted?	Х	-
Will recipients of land claims in respe-	ct of the area be consulted?	X (If applicable)	-
Will the landowners or lawful occupie	s of neighboring properties been identified?	X	-
Will the local municipality be consulte	d?	Х	-
Will the Authority responsible for pow	er lines within 100 meters of the area be consulted?	Х	-
Will Authorities responsible for public for be consulted?	roads or railway lines within 100 meters of the area applied	N/A	Х
Will authorities responsible for any oth consulted? (Specify)	ner infrastructure within 100 meters of the area applied for be	X	-
Will the Provincial Department respor	sible for the environment be consulted?	Х	-
Will all of the parties identified abor /prospecting operation as referred abor	X	-	
Will all the parties identified above be	e requested in writing to provide information as to how their	Х	
interests (whether it be socio-econom proposed mining project?	ic, cultural, heritage or environmental) will be affected by the		
Other, Specify		•	•

6.1.2. DETAILS OF THE ENGAGEMENT PROCESS TO BE FOLLOWED

Steps to be taken to notify interested and affected

parties (Describe the process to be undertaken to consult interested and affected parties including public meetings and one on one consultations. NB the affected parties must be specifically consulted regardless of whether or not they attended public meetings. Photographs of notice boards, and copies of advertisements and notices notifying potentially interested and affected parties of the proposed application must be attached as Appendix)

PROVIDE DESCRIPTION HERE

During the initial public participation process the stakeholders and I&AP's will be informed of the project by means of I&AP comment/notification letters that will either be delivered by hand or sent directly to the contact persons. A 30 days commenting period will be allowed. An advertisement will be placed in a local newspaper (such as The Rep) and on-site notices will be placed at conspicuous

	places (such as the site entrance, municipal offices, nearest shopping centres and community facilities). The Draft Scoping Report (DSR) will be distributed to the registered I&AP's and stakeholders for their perusal and a 30 days commenting period will be allowed. The comments received on the DSR will be incorporated into the Final Scoping Report (FSR) to be submitted for decision making to DMR.			
Information to be provided to	Compulsory			
Interested and Affected Parties	The site plan.			
	List of activities to be authorized			
	Scale and extent of activities to be authorized			
	Typical impacts of activities to be authorized (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)			
	Other, specify:			
Information to be required from	Compulsory			
Interested and Affected Parties.	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).			
	Other, Specify			

7. DESCRIPTION OF THE ASSESSMENT PROCESS TO BE UNDERTAKEN

ITEM	DESCRIPTION
Environmental attributes. Describe how the Environmental attributes associated with the development footprint will be determined.	A detailed site- and sensitivity analysis of the environmental attributes of the proposed footprint will be performed through investigation of the actual mining area, desktop studies and information obtained from bioregional plans and maps. Information gathered during the public participation process will also be used to highlight environmental aspects associated with the proposed project.
Identification of impacts and risks. (Describe the process that will be used to identify impacts and risks.	The impacts and risks associated with the proposed project will be identified through investigation of the specific site aspects, consultation with the I&AP's and stakeholders as well as desktop and background studies done on the study and surrounding areas of associated projects.
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.	As the mineral resource and previously disturbed area is confined to certain position on-site assessment of viable site alternatives will mainly comprise of various footprints sizes. Different activity alternatives will be assessed on order to identify the alternative that has the least impact on the environment and future agricultural activities on the property.
	Project and Technology Alternatives:
	Project and/or technology alternatives will be considered in order to identify the best possible option that will accommodate the mining need, as well as have the least possible impact on the receiving environment.
Process to assess and rank impacts. Describe the process to be undertaken to identify, assess and rank the impacts and rank the impacts.	The environmental significance assessment methodology that will be used to assess and rank the impacts will be based on the following determination:
risks each individual activity.	Environmental Significance = Overall Consequence X Overall Likelihood.
	This method will assist in ranking the identified impacts according to low, medium and high significance. A full explanation of the methodology to be used in the above matter will be discussed in the environmental documentation to be submitted for approval.
Contribution of specialist reports Describe how specialist reports, if required, will be taken into consideration and inform the impact identification, assessment and remediation process.	Due to the small nature of the proposed project and the sites, being proposed on an area previously disturbed by mining and agricultural activities no specialist repot is currently deemed necessary.
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.	The impacts will be ranked as stated above. This will allow the identification of impacts deemed to have a Medium to High significance, requiring mitigation and management objectives. These objectives will be aligned with guidelines and specific requirements of the relevant managing authorities and will be listed in the EMPr to be submitted with the EIAR.

8. OTHER AUTHORIZATIONS REQUIRED

	Mark with an X where applicable			
LEGISLATION			APPLICATION SUBMITTED	
	YES	NO	YES	NO

SEMAs				
National Environmental Management: Air Quality Act	N/A	Х	N/A	N/A
National Environmental Management: Biodiversity Act	N/A	Х	N/A	N/A
National Environmental Management: Integrated Coastal Management Act	N/A	X	N/A	N/A
National Environmental Management: Protected Areas Act	N/A	X	N/A	N/A
National Environmental Management: Waste Act	N/A	X	N/A	N/A
National legislation				
Mineral Petroleum Development Resources Act	Х	N/A	Х	N/A
National Water Act	Х	N/A	Х	N/A
National Heritage Resources Act	N/A	X	N/A	N/A
Others: Please specify	N/A	N/A	N/A	N/A

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 authorization to be considered as part of this application.

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,	PHASE (of operation in which activity	SIZE AND	TYPICAL MITIGATION	COMPLIANCE WITH
ablution facility, accommodation, equipment storage, sample storage, site office, access route etcetcetc 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, etcetc.)	will take place). State; Planning and design, Pre-Construction' Construction, Operational, Rehabilitation, Closure, Post closure.	(volumes, tonnages and hectares or m²)	MEASURES (Eg, storm water control, dust control, noise control, access control, rehabilitation etc, etc,)	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)
Demarcation of site with visible beacons.	Construction / Site Establishment Phase	13.6 ha	Adhere to mining boundary and no-go areas.	Approved Regulation 42 Mine Plan;Approved EMP.
Establishment of Temporary Office and infrastructure within the boundaries of the site	Operational / Site Establishment Phase		Stay within the approved boundaries	Approved Regulation 42 Mine Plan;Approved EMP.
Stripping and stockpiling of topsoil.	Operational Phase	13.6 ha	 Dust suppression; Noise management; Waste management; Topsoil management; Weeds control; Storm water management. 	 Dust & Noise: NEM:AQA, 2004; Waste: NEM:WA, 2008; Weeds: NEMBA: 2004; CARA, 1983 Storm water: NWA, 1998.
Drilling and blasting.	Operational Phase	±7.8 ha	 Dust suppression; Noise management; Waste management. 	 Dust & Noise: NEM:AQA, 2004; Waste: NEM: WA, 2008. MHSA, 1996 OHSA, 1993 OHSAS, 18001
Excavation, loading and hauling.	Operational Phase	±3.87 ha ha	 Dust suppression; Noise management; Storm water management, Traffic management. Waste management Weed control 	 Dust & Noise: NEM:AQA, 2004; Storm water: NWA, 1998; Traffic: NRTA, 1996. Waste: NEM:WA, 2008 Weeds: NEM:BA, 2004
Crushing and Screening	Operational Phase	±3.87 ha ha	 Dust suppression; Noise management; Storm water management, Traffic management. Waste management Weed control 	 Dust & Noise: NEM:AQA, 2004; Storm water: NWA, 1998; Traffic: NRTA, 1996. Waste: NEM:WA, 2008 Weeds: NEM:BA, 2004

Stockpiling and transporting of material	Operational Phase	±3.87 ha ha	 Dust suppression; Noise management; Storm water management, Maintenance of Access Road Waste management Weed control 	 Dust & Noise: NEM:AQA, 2004; Storm water: NWA, 1998; Traffic: NRTA, 1996. Waste: NEM:WA, 2008 Weeds: NEM:BA, 2004
Sloping and landscaping upon closure of the mining area Replacing the topsoil and vegetating of disturbed area	Decommissioning / Closure Phase	13.6 ha	 Dust suppression; Noise management; Waste management; Weeds control; Erosion management; Safety management. Stormwater management Maintenance of access roads Sloping of excavation Replacement of topsoil. 	 Dust & Noise: NEM:AQA, 2004 Waste: NEM:WA, 2008 Weeds: NEMBA: 2004 Storm water: NWA, 1998; Erosion: CARA, 1983 Safety: MHSA, 1996 Rehabilitation: MPRDA, 2002 Roads: NRTA, 1996

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

A detailed site selection and sensitivity analysis will be conducted for the proposed mining project in order to determine the baseline environment, and whether the proposed site is in a preferred and acceptable development area.

The assumptions to be made in the EIA documents relating to the assessment and mitigation measures proposed, will stem from site specific information gathered from the property owner, stakeholders, interested and affected parties, as well as site inspections, and background information gathered through the assessment process.

A comprehensive Environmental Management Programme (EMPr) will be developed that will have to be implemented to mitigate and minimize the impacts during the site establishment/construction and operational phases.

Closure objectives

Describe the closure objectives and the extent to which they will be aligned to the baseline environment

Rehabilitation Plan

Upon closure of the mining operation, the entire footprint area will be rehabilitated so as to allow the affected area to return to agricultural use. At this stage the following baseline closure objectives are proposed from which a detailed closure plan will be developed:

Describe the scale and aerial extent of the prospecting or mining listed activities to be authorized, 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.

- Rehabilitation of all the disturbed surface areas shall entail landscaping, levelling, top dressing, land preparation, seeding (if required), and weed / alien clearing.
- Any infrastructures, equipment, and other items used during the mining period will be removed from the site-in accordance with section 44 of the MPRDA, 2002.
- Waste material of any description, including receptacles, scrap, rubble and tyres, will be removed entirely from the mining area and disposed of at a recognized landfill facility. It will not be permitted to be buried or burned on the site.
- ➤ The rehabilitation area will be cleared of weeds and invader plant species. Priority will be given to species regarded as Category 1a and 1b invasive species in terms of NEM: BA (National Environmental Management: Biodiversity Act 10 of 2004 and regulations applicable thereto).
- Final rehabilitation shall be completed within a period specified by the Regional Manager.

A site-specific rehabilitation plan drawn to a suitable scale will be provided in the EMPr to be submitted together with the EIAR.

Rehabilitation Cost

Describe how the rehabilitation cost will be determined and provide a preliminary estimate thereof

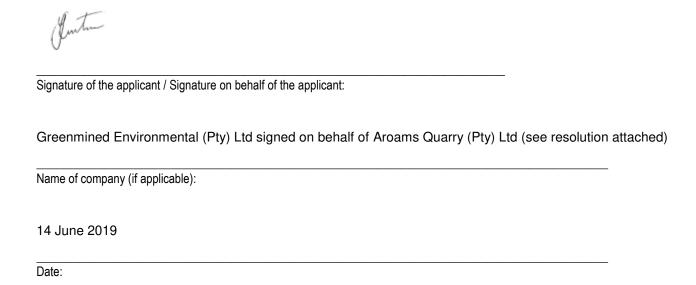
The rehabilitation cost will be determined in accordance with the guideline document for the evaluation of the quantum of closure-related financial provision by a mine and as prescribed in terms of Regulation 54 (1) of the MPRDA. The preliminary amount for rehabilitation of the proposed site has been estimated to be in the region of R 1 000 000.00

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.

- Topsoil, Overburden and Waste Rock Stripping:
 Topsoil will be stored to be used during rehabilitation. Overburden and overburden rock will be used to refill excavated areas.
- Drilling and Blasting (Excavating):
 The quarry pit will be rendered safe, sloped, and landscaped upon closure according to the guidance of a rock engineer.
- Excavation and hauling of material to the processing plant:
 The excavation will be rendered safe. Haul roads no longer needed by the landowner will be reinstated and rehabilitated upon closure. Transporting of material will cease upon closure of the site. All stockpiles will be removed and the stockpile area will be ripped, levelled and top dressed with topsoil upon the closure of the site.
- Crushing
 All machinery and equipment will be removed upon closure of the site
- Stockpiling and transporting
 Transporting of material will cease upon closure of the site
 All stockpiles will be removed and the stockpile area will be ripped, leveled and top dressed with topsoil upon closure of the site.
- Sloping and landscaping upon closure of the site
- Replacing of topsoil and vegetation the disturbed area.

Due to the nature of the proposed mining activity, the actions listed above will be implemented upon closure of the site.



APPENDIX 4 DECLARATION OF THE EAP

I, Yolandie Coetzee, declare that -

General declaration:

Muntin

- 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 favorable 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 favorable 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 realize 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 have a vested interest in the proposed activity proceeding, such vested interest being:

Signature of the environmental assessment practitioner:	
Greenmined Environmental	
Name of company: 14 June 2019	
Date:	

LIST OF APPENDICES:

Appendix 1 CV and Qualifications of EAP

Appendix 2 1:250 000 Map

Appendix 3 Environmental Authorisations For Same Property

Appendix 4 Site Plan Map

Appendix 5 WULA Submission



APPENDIX 1 YOLANDIE COETZEE

CURRICULUM VITAE



- Pembani Coal Carolina Alien Encroachment Program
- Pembani Coal Carolina Rehabilitation Models and Program
- Pembani Coal Carolina Pre-mining assessments (Biodiversity)
- Pembani Coal Carolina Creating a wetland to treat AMD water
- Pembani Coal Carolina Audits and IWULA audits
- Coal of Africa 24G EIA/EMP
- Shanduka Resources Rehabilitation Models and Reports
- Homelands Kendal Colliery Alien Encroachment Program
- Homelands Kendal Colliery Rehabilitation Models and Reports
- Sekoko Resources Scoping report for the Railway siding

Achievements

- · Assisted in client' understanding of relevant environmental regulations thus improving customer relations.
- Achieved success in the rehabilitation of mine sites and closing the sites.
- · Achieved project goals through consistent engagement with the client.

Reason for Leaving

Retrenched.

Volunteer Experience

- Involved in the Climate Change Community Forum Centurion
- Involved in the feeding of the animals at the game reserve in Mokopane
- Involved in the feeding of the animals at the Cheetah project in Limpopo
- Involved with the annual Santa shoe box Christmas presents for the under privileged in South Africa.

Professional Strengths

- Creative thinker
- · Versatile and able to learn new tasks/skills quickly
- Good interpersonal skills works well with others
- Focused, self motivated and target driven; determined to succeed.
- Willing to learn and adapt to changing environments
- Focus on accuracy and attention to detail
- · Strong planning, organising and monitoring abilities and a efficient time-manager

References

Name Emile van Druten	Environmental Assurance	082 554 8051
Name Hennie Du Preez	Genis Consultants	083 407 4522
Name Chris Weideman	Greenmined Environmental	082 602 6133

ı

Company has been liquidated.

5. JAN 2013 – OCT 2013

Kai Batla Minerals Industry Consultants

SENIOR ENVIRONMENTAL CONSULTANT

Responsibilities

- Reporting to Directors
- Managing Junior Environmental Consultants
- Compilation Environmental Impact Assessments and Environmental Management Plans
- Compilation of Basic Assessments
- Conduct Water use licence applications
- Liaise with client and the suitable government departments
- Compilation of Rehabilitation Models and the relevant reports
- Compilation of Alien invasive encroachment programs
- Compilation of Rehabilitation programs
- Conducting of pre-mining assessments (Biodiversity)
- · Compiling operational procedure documents

Major Projects

- Imaforce (Pty) Ltd Prospecting Rights Application and associated Environmental Management Plans for various properties in Kwa Zulu Natal and Mpumalanga
- AEMFC Environmental and Social prefeasibility report
- PMG- IWULA / IWWMP for Koedoeskloof and Paling Pan; Rehabilitation Program and Report for Bishop Mine
- Barleda 625cc EMP and associated PPP
- Mogale City Municipality Environmental Impact Assessment (EIA) Guideline Report for a Logistics Hub in the West Rand

Achievements

- Assisted in client' understanding of relevant environmental regulations thus improving customer relations.
- Achieved success in the rehabilitation of mine sites and closing the sites.
- Achieved project goals through consistent engagement with the client.

Reason for Leaving

No growth opportunities.

6. JAN 2010 – NOV 2012

Cabanga Concepts

JNR ENVIRONMENTAL CONSULTANT

Responsibilities

- Reporting to Senior Environmental Consultant
- Compilation entire Environmental Impact Assessments and Environmental Management Plans
- Compilation of Basic Assessments
- Conduct Water use licence applications
- Liaise with client and the suitable government departments
- Compilation of Rehabilitation Models and the relevant reports
- Compilation of Alien invasive encroachment programs
- Compilation of Rehabilitation programs
- Conducting of pre-mining assessments (Biodiversity)
- · Compiling operational procedure documents

Major Projects

- Sakoa Coal Madagascar Prefeasibility Study
- Pembani Coal Carolina New Areas EIA and 24G EIA

- Coal of Africa Mooiplaats Colliery: IWWMP Update, RSIP and MCL
- Coal of Africa Woestalleen Colliery: MCL, Legal Compliance Audit, EMP PAR
- Coal of Africa Vele Colliery: MCL
- Samancor Western Chrome Mine: MCL
- Eastplats Western and Eastern Limb (Rhodium Reefs Limited) MCL, EMP PAR, Total Compliance Project: Environmental Awareness Campaign, GN704 Audit, Sol Management Plan, Biodiversity Management Plan, Alien Invasive Management Plan
- Various sand and clay brick mine MCL Sterkfontein Bricks, Victoria Bricks, Roosema (Olifantsfontein & Delmas), SA Brix (Boekenhout and Zandfontein), and Kilo Sand.
- Mamatwan Manganese Land Capability Study, Visual Impact Assessment (VIA)
- Kongoni EMP PAR, MCL
- Assmang Technical Training College Tree Removal Licence
- Umlabu: MCL
- LE Vervoer (Sandtoria): Rehabilitation and Terrestrial Ecology Plan, Stormwater Management Plan, EMP
- HJG Vervoer EMP
- Stuart Coal: MCL
- Yoctolux EMP

Achievements

- Assisted in client' understanding of relevant environmental regulations thus improving customer relations.
- Achieved success in the closing of mine sites.
- Achieved project goals through consistent engagement with the client.

Reason for Leaving

Pregnancy. I wanted to be a stay at home mom.

4. NOV 2013 –MAY 2014

African Innovative Solutions and Projects CC

SENIOR ENVIRONMENTAL CONSULTANT/ PROJECT MANAGER

Responsibilities

- Business Development and Marketing
- Financial Administration Duties
- Office management
- Reporting to Directors
- Managing Junior Environmental Consultants
- Compilation Environmental Impact Assessments and Environmental Management Plans
- Compilation of Basic Assessments
- Conduct Water use licence applications
- Liaise with client and the suitable government departments
- Compilation of Rehabilitation Models and the relevant reports
- Compilation of Alien invasive encroachment programs
- Compilation of Rehabilitation programs
- Conducting of pre-mining assessments (Biodiversity and Basic Soil Studies)
- Compiling operational procedure documents

Major Projects

- Thabazimbi Local Municipality (TLM) upgrading and construction of a bulk water pipeline BA, EMPR and IWULA
- Dr. Ruth Segamotsedi Municipality EIA/EMP for waste water treatment works and for the bulk water pipeline
- Various prospecting rights applications in Limpopo

Achievements

- Assisted in client' understanding of relevant environmental regulations thus improving customer relations.
- Achieved success in the rehabilitation of mine sites and closing the sites.
- Achieved project goals through consistent engagement with the client.

Reason for Leaving

EMPr	Vryheid Quarry	Afrimat (Pty) Ltd
	Pietermaritsburg Quarry	
Sec 30	Tosas	Tosas
Spillage Incident		
Sec 102	Barrage Bulk Sand Mine	SPH Kundalila
Mine Works	Aliwal Quarry	Raumix Aggregates
Programme	Barrage Bulk Sand Mine	SPH Kundalila
(MWP)		
24G Rectification	Golden Valley Poultry Farm Welkom	Golden Valley Poultry Farm Welkom
Application		

Achievements

- Assisted in client' understanding of relevant environmental regulations thus improving customer relations.
- Achieved project goals through consistent engagement with the client.
- Received authorisations for the projects applied for.

2. APRIL 2015–APRIL 2017

Genis Consultants CC

Contract Work

ENVIRONMENTAL CONSULTANT, PROJECT MANAGER

Responsibilities

- Compilation Environmental Impact Assessments and Environmental Management Plans
- Compilation of Basic Assessments
- Conduct Water Use Licence Applications (IWULA) and Integrated Waste Water Management Plans (IWWMP)
- · Liaise with client and the suitable government departments
- Compilation of Mine Closure Liability Assessments (MCL)
- Compilation of Rehabilitation Strategic Implementation Plans (RSIP)
- Compilation of Environmental Performance Assessment Programs (EMP PAR)
- Compilation of Legal Compliance and GN704 Audits
- Compilation of Soil, Alien Invasive and Biodiversity Management Plans

Major Projects

Bosveldsrus Abattoir

Achievements

- Assisted in client' understanding of relevant environmental regulations thus improving customer relations.
- Achieved project goals through consistent engagement with the client.

3. JUNE 2014 – APRIL 2015

Environmental Assurance (ENVASS)

SPECIALIST ENVIRONMENTAL CONSULTANT

Responsibilities

- Reporting to Directors
- Compilation Environmental Impact Assessments and Environmental Management Plans
- Compilation of Basic Assessments
- Conduct Water Use Licence Applications (IWULA) and Integrated Waste Water Management Plans (IWWMP)
- Liaise with client and the suitable government departments
- Compilation of Mine Closure Liability Assessments (MCL)
- Compilation of Rehabilitation Strategic Implementation Plans (RSIP)
- Compilation of Environmental Performance Assessment Programs (EMP PAR)
- Compilation of Legal Compliance and GN704 Audits
- Compilation of Soil, Alien Invasive and Biodiversity Management Plans

Major Projects

	T A	
	Ammendment	
	Rugron Exploration Co (Pty) Ltd	
	Middelwater Exploration (Pty) Ltd	
	Aroams 3 Mining Permit	
	Driefonteinen Quarry	Haw and Inglis Civil Engineering (Pty) Ltd
E14 0 E14D	Sillimanite Prospecting	Van Zyl Mining (Pty) Ltd
EIA & EMPr	Middelburg Quarry Mining Right	Inzalo Crushing and Aggregates (Pty) Ltd
	Bloemhof Quarry Mining Right	
	Sileco Lime Mining Right	Lomeza Mining Services (Pty) Ltd
	Yomba Umgodi Mining Right	Raumix Aggregates
	Aroams Quarry Mining Right	SPH Kundalila (Pty) Ltd
Closure	Witkloof Quarry	B&E International (Pty) Itd
Application	Roodekrans Quarry	
	Dwaalfontein Quarry	
	Hendrina Quarry	
	Bloemhof Quarry (Review)	
	De Roodepoort Quarry (Review)	
	Howards Quarry	Howards Crushers (Pty) Ltd
	SPH Sands	Raumix Aggregates (Pty) Ltd
	Brandvlei Quarry	SPH Kundalila (Pty) Ltd
IWULA/ IWWMP	Umfolozi Quarry	Afrimat (Pty) Ltd
	Hluhluwe Quarry	
	Rietfontein Quarry	
	Denver Quarry	
	Dundee Quarry	
	Vryheid Quarry	
	Qwa Qwa Quarry	
	Bethlehem Quarry	
	Alfa Sand Quarry	Raumix Aggregates (Pty) Ltd
	Crushco Quarry	39.59 (1.3)
	Lichtenburg Plant	Lafarge Cement
	Tlkowe Local Municipality	Tlkowe Local Municipality
Waste	Wouterspan Boerdery (Pty) Ltd	Wouterspan Boerdery (Pty) Ltd
Management Plan	Dukathole Brickworks CC	Dukathole Brickworks CC
Rehabilitation	Witkloof Quarry	B&E International (Pty) Itd
Plan	Middelburg Quarry	, ,,
	Roodekrans Quarry	
	Balmoral Quarry	
	Alfa Sand	Raumix Aggregates
	Butterworth Quarry	33 - 3
	Crushco Quarry	
	Donkerhoek Quarry	
	Mthatha Quarry	
	Rosslyn Quarry	
	Rossway Quarry	
	SPH Sands Quarry	
	Willows Quarry	
Asbestos	Dukathole Brickworks CC	Dukathole Brickworks CC
Management Plan		Saladiois Bilottiono 00
COP for	Dukathole Brickworks CC	Dukathole Brickworks CC
Hydrocarbons		Saladiois Bilottiono 00
Financial	Letama Quarry	Letama Quarry
Provision in terms	Alfa Sand	Raumix Aggregates
of NEMA 2015	Crushcho	
	Donkerhoek Quarry	
	Rosslyn Quarry Resource Overry	
	Rossway Quarry SDU Sond	
	SPH Sand Willeum Output	
	Willows Quarry	

ENVIRONMENTAL CONSULTANT

Responsibilities

- Compilation Environmental Impact Assessments and Environmental Management Plans;
- Compilation of Basic Assessments;
 Conduct Water Use Licence Applications (IWULA) and Integrated Waste Water Management Plans (IWWMP);
- Compilation of Waste Management Plans; Liaise with client and the suitable government departments; and
- Compilation of Environmental Performance Assessment Programs (EMP PAR)

Major Projects

Major Projects ENVIRONMENTAL	PROJECT	CLIENT
REPORT	ricolor	CLIENT
Environmental	Hendrina Quarry,	B&E International (Pty) Ltd
Control Officer	Roodekranz Quarry,	
(ECO)	Balmoral Quarry,	
(/	Middelburg Quarry,	
	Bloemhof Quarry,	
	Bambi,	
	Pomona, and	
	Witkloof Quarry	
	Zwartkop	Baitumetse (Pty) Ltd
	Aroams Quarry,	SPH Kundalila (Pty) Ltd
	Brandvlei Quarry, and	Si i i Kulidalila (i ty) Ltd
	Barrage Bulk Sand Mine (Tja Naledi Beafase	
	Investment Holdings).	
	Thembisa	Raubex Construction (Pty) Ltd
Environmental	Bloemhof Quarry	B&E International (Pty) Ltd
Performance	Witkloof Quarry	
Assessment	Balmoral Quarry	
(EPA)	Middelburg Quarry	
	Hendrina Quarry	
	De Roodepoort Quarry	
	Roodekrans Quarry	
	Aroams Quarry	SPH Kundalila (Pty) Ltd
	Kersfontein Sand	(4) = 1
	Bridgetown Dolomite Quarry	
	Barrage Bulk Sand Mine	
	Stilfontein	OMV
	Alfa Sand	Raumix Aggregates (Pty) Ltd
	Crushco Quarry	35 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 -
	Donkerhoek Quarry	
	Rosslyn Quarry	
	Rossway Quarry	
	SPH Sand	
	Willows Quarry	
	Butterworth Quarry	
	Mthatha Quarry	
Dust Monitoring	Balmoral Quarry	B&E International (Pty) Ltd
g	Zwartkop	Baitumetse (Pty) Ltd
	Stilfontein	OMV
	Potchefstroom	
	Aroams Quarry	SPH Kundalila
	Witkloof Quarry	B&E International (Pty) Ltd
	Bloemhof Quarry	B&E International (Pty) Ltd
BAR & EMPr	Witkloof Mining Permit	B&E International (Pty) Ltd
	Piet Retief Prospecting Right	Lomeza Mining Services (Pty) Ltd
	Geluk Prospecting Right] , , ,,
	Barrage Bulk Sand Mine Section 102 EMP	SPH Kundalila

PROFESSIONAL COURSES / TRAINING

2003	Secretarial Training Course	Waterberg FET college
2008	Soil Classification and Morphology	Agriculture Resource Council (ARC)
2009	Polymerase chain reaction (PCR)	North-West University
2009	Freeze Drying (Genetics)	North-West University
2010	Model Maker Introduction and Advanced Course	Model maker (Centurion)
2012	Road Maker Advanced Course	Model maker (Centurion)
2013	Lead Auditor Course (ISO14001)	WTH
2017	Fallout Dust Monitoring Course	Dustwatch
2017	SAGIC Invasive Species Training	SAGIC

PROFESSIONAL AFFILIATIONS

SACNASP	South African Council for Natural Scientific Professions	400324/13
SASM	South African Society for Microbiology	2011

SKILLS & EXPERIENCE

Proficient in Microsoft Office.

Competent with 3D spatial modelling programme, Model maker, Global Mapper.and Google Earth, BGIS and DAFF:AGIS Experience in Project Management.

Worked in laboratories at North-West University - Potchefstroom

Good working knowledge of NEMA, MRPDA, NWA, CARA, NEMAQA, NEMWA, NEM:BA etc.

AWARDS & ACHIEVEMENTS

· Achieved distinctions in University for Microbiology

AREAS OF EXPERTISE

- Conceptual rehabilitation and management designs
- Rehabilitation closure plans and programs and associated mine closure costing assessments
- · Alien invasive encroachment programs
- Rehabilitation programs
- Waste Management Plans
- Financial closure cost assessments (Financial provisions)
- Mine Closure Applications
- 24G Rectification Applications

- Basic Assessment Applications
- Environmental Impact Assessments Applications
- Environmental Management Plans
- Environmental Auditing
- Mining Permit/Right and Prospecting Right Applications
- Integrated water use licenses and applications (IWWMP and IWULA)
- Due diligence
- Plant Permit Removal Applications

CAREER HISTORY

1. MAY 2017 - CURRENT

Greenmined Environmental

YOLANDIE COETZEE

OCCUPATION	Environmental Consultant
TOTAL YEARS WORK EXPERIENCE	10
AGE	29

CONTACT DETAILS

CELL PHONE	+27 (0) 66 2077 425	
EMAIL	yolandiedup@gmail.com	
RESIDENTIAL LOCATION	185 Simmetrie Street, Meyerspark, Pretoria	

PERSONAL DETAILS

GENDER	Female
NATIONALITY	South African
SOUTH AFRICAN ID NO	8709020094080
LANGUAGE	English, Afrikaans (read, write, speak)
MARITAL STATUS	Married

PROFILE

Yolandie Coetzee is an Environmental Consultant with 10 years' experience in the environmental sector. She specialized the last 5 years in the rehabilitation of mines where she conducted the conceptual rehabilitation and management designs and the closure plans and programs. She has also been involved in a number of other environmental projects including railway sidings, filling stations, abattoir's, logistics hub and mining sites where she compiled environmental management plans, environmental impact assessments, environmental audits, due diligences, IWULA's/IWWMP's and alien invasive encroachment programs. She studied at the University of Potchefstroom where she has successfully completed her undergraduate degree in microbiology and biochemistry and her Honors degree in environmental sciences.

I am an administrative person who is adaptive to change confident in what I do and try to be creative as I can in what I do. I am enthusiastic about environmental issues and try to implement my people skills where I can and motivate those around me about the issues in South Africa. I am results driven, a quick learner and can work as a team with others. My passions are to campaign for causes that I belief in and working with people solving environmental issues.

My interest is creating things, reading about history and spending time with friends and family and travelling.

EDUCATION

2010

North-West University, Potchefstroom

BSc. Honours (Ecological Remediation and Rehabilitation)

Honours Project: Du Preez Y, Claasens S (2009)

2005-2008

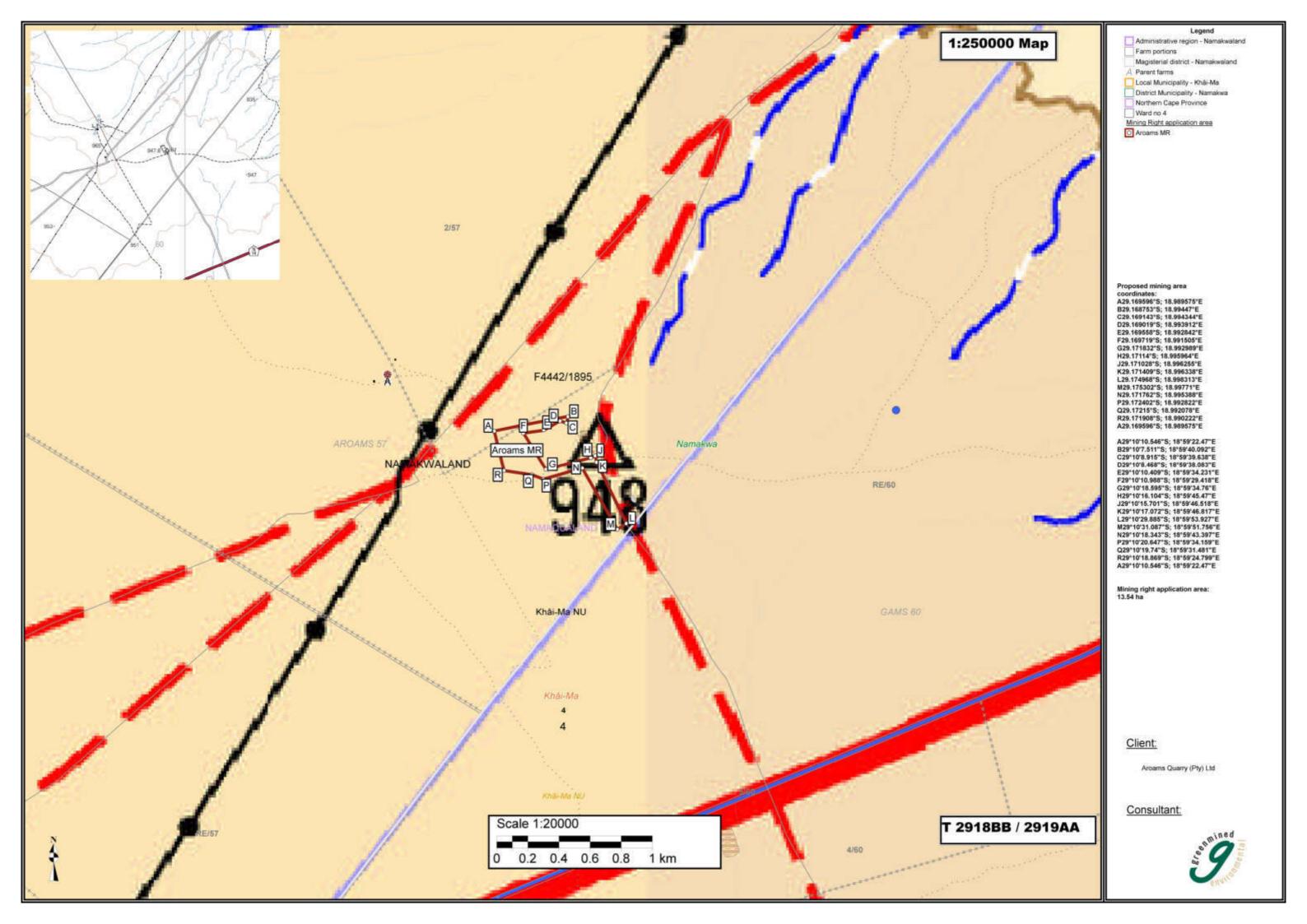
North-West University, Potchefstroom

BSc. (Environmental Sciences) Majors: Microbiology and Biochemistry

APPENDIX 2

1:250 000 MAP





APPENDIX 3

ENVIRONMENTAL AUTHORISATIONS FOR SAME PROPERTY





DEPARTMENT OF MINERALS AND ENERGY

MINING PERMIT

[issued in terms of section 27 of the Mineral and Petroleum Resource Development Act, 2002 (Act No. 28 of 2002)]

Di	EPT. VAN MINERALE- EN ENERGJE
	2012 Official 6
DE	PT. OF MINERALS AND ENERGY

Permit No.	MP 006/201	2					Re	gion	NORT	HERN C	APE	- S	PRIN	IGBO	OK		
Office reference	NC 30/5/1/3	3/2/1005	2 MP														
Permission is hereby	granted under	r and su	bject	to the p	orovis	ions of	the Mine	ral an	d Petro	leum Re	sour	ces	Deve	elopn	nent A	ct,	
2002 to [full name]	RAUMIX	AGGR	EGAT	ES (P	TY) L	TD											
Identity number in car	se of a natural	person	Х	X	X	X	X	X	X	X	X		X	X	X		X
In the case of a perso	n other than a	natural	perso	on plea	se in	dicate:					10	- 10		0/5	=="	- W	
Co NA	Cc [NA			Partr	nership/	Joint ven	ture	N	4			0	ther	. [IA	
* If other, specify	NA												_				
Registration number	of Co. or Cc.	1	9	9	9	1	0	1	3	9	8	1		1	0	13	7
To mine for [name of	mineral] A	GGREG	ATE														
on [full name of farm				n divisio	on an	d no.]	A PO	RTION	N OF P	ORTION	20	FTH	E F	ARM	ARO	AMS	2
NO 57, ADMINISTE	Total Commences					THE PARTY	Signore:				alice se	2 7030	WES WE	ASVENC	11,000,000	Mistr	-
as indicated on the at	tached plan N		5/1/3/2	2/10052	2	signed	i by the	Regio	nal Mar	nager on	1	6	1	1	2 0	1	2
Unless this permit is	suspended,	cancelle	d, ab	andone	ed or	lapses,	it shall b	e valid	i for a	period (r	not	more	tha	an tw	vo yea	ers) w	vhich
shall extend from the	date of issuin	ig to	1	5	1	1 2	0	1	4	and m	nay	be re	enew	red fo	or thre	e pe	riods
each which may not e	exceed one ye	ar.								ž:							
	700	WW 20	(6)	- 20		5 520		72			277						
Maria Control of the	exempt the ho	older fro											2000		and the same		
		J . F 46.		conce	mea,	nor do	es it enc	roach	upon t	ne nghts	ot a	any p	erso	n wr	no ma	/ hav	e an
conditions contained	in the title dee	ed of the	e land														
conditions contained	in the title dee	ed of the	e land														
conditions contained interest in the land co	in the title dee	ed of the		6 TH		day of	NO	VEM	BER						20	12	
This permit does not conditions contained interest in the land co	in the title dee ncerned.					day of	NO	VEM	BER						20	12	

APPENDIX 1b Layout plan

contemplated in regulation 2(2) read with regulation 2(3) of the Mineral and Petroleum Resources Development Act, 2002 (Act No. 30 of 2002)

Arosms 57

57/2

. !

Mining Area:
The figure: a to b situated over a portion of Portion 2 of the Farm Areams 57

Aroams 57 Extend 1.4 Ha

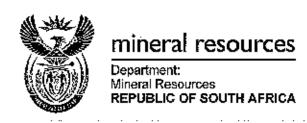
Mag. Dist: Namaqualand

COORDINATES wgs 84: A \$29.16989° E18.99388° B \$29.16970° E18.99521° C \$29.17056° E18.99569° D \$29.17065° E18.99410°

A Perdenater 949m

DEPT. OF MINERALS AND

2012 -11- 16



NORTHERN CAPE REGION

Private 8ag X 14, Springbok, 8240, Van der Stell Street, Hopfey Centre, Springbok, 8240
Tel:027 712 8160, Fax:027 712 1959, E-mail:jasper.nicuwoudt@dmc.gov.za, Ref: NC 30/5/1/3/2/10400 MP

From: Mineral Regulation Enquiries: Jasper Nieuwoudt

REGISTERED POST

The Director
SPH Kundalila (Pty) Ltd
P O Box 257
Milnerton
CAPE VTOWN
7435

2015 -03- - 4

Sir

APPLICATION FOR A MINING PERMIT: AGGREGATE AND STONE AGGREGATE; GRAVEL: A PORTION OF PORTION 2 OF THE FARM AROAMS NO 57, ADMINISTRATIVE DISTRICT OF NAMAQUALAND.

- 2. The holder of the permit must submit the mining permit for recording at the Mineral and Petroleum Titles Registration Office, Private Bag X 59, Pretoria, 0001, within 60 days after the permit has been issued. A non-refundable registration fee of **R50:00** is payable on the date of recording.
- Your attention is drawn to section 28 (1) and (2) of the Mineral and Petroleum Resources Development Act,2002 (Act 28 of 2002) which provides that:
 - a. The holder of a mining permit must at its registered office or place of business, keep proper records of mining activities and proper financial records in connection with the mining activities;
 - b The holder of a mining permit or the manager of any processing plant operating separately from a mine, must submit to the Director General:

- i. prescribed monthly returns with accurate and correct information and data;
- ii. an audited annual financial report or financial statements reflecting the balance sheet and profit and loss account; and
- iii. An annual report detailing the extent of the holders compliance with the provisions of section 2(d) and (f), the charter contemplated in section 100 and the social and labour plan.
- Sufficient individual sturdy and clearly visible beacons must be so placed and maintained so that the mining area as described by this permit and sketch plan is clearly defined.
- The permit shall be available at all times at the mining area where operations are performed and on demand by an officer, must be produced.
- 6. No deviation of the approved EM Plan will be allowed, unless the amendment has been approved by the Regional Manager.
- 7. The Mine Health and Safety Act, 1996 (Act 29 of 1996) and regulations promulgated there under is very important and should be adhered to at all times. See Annexure 1 minimum requirements.

Yours faithfully

REGIONAL MANAGER: MINERAL REGULATION

NORTHERN CAPE REGION

2015 -03- - 4



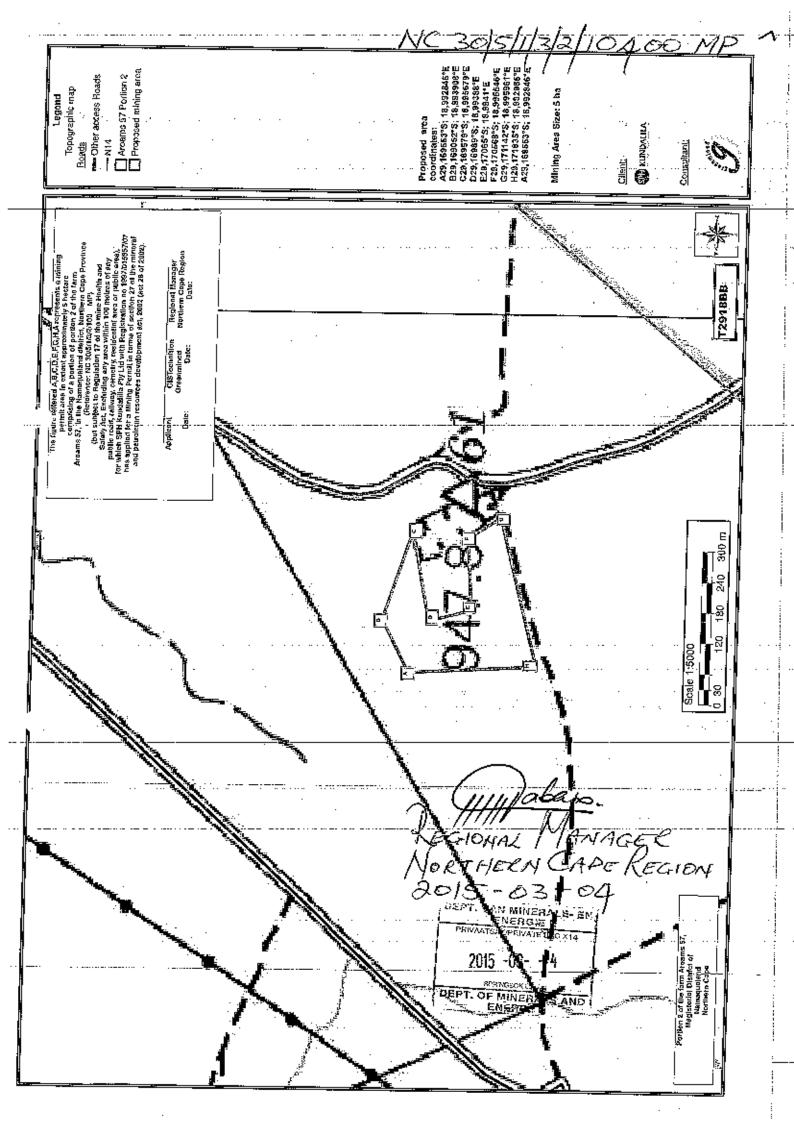
DEPARTMENT OF MINERALS AND ENERGY

MINING PERMIT

[issued in terms of section 27 of the Mineral and Petroleum Resources Development Act, 2002 (Act No. 28 of 2002)]

İ	Ē	DEPT. VAN MINERALE- E ENERG(E	N
	Γ	PRIVAATSAK/PS:VATE/BAG X14	
		2015om23 - 4	
7			
	_	Office Stamp	
j		PEPT. OF MINERALS AN	D

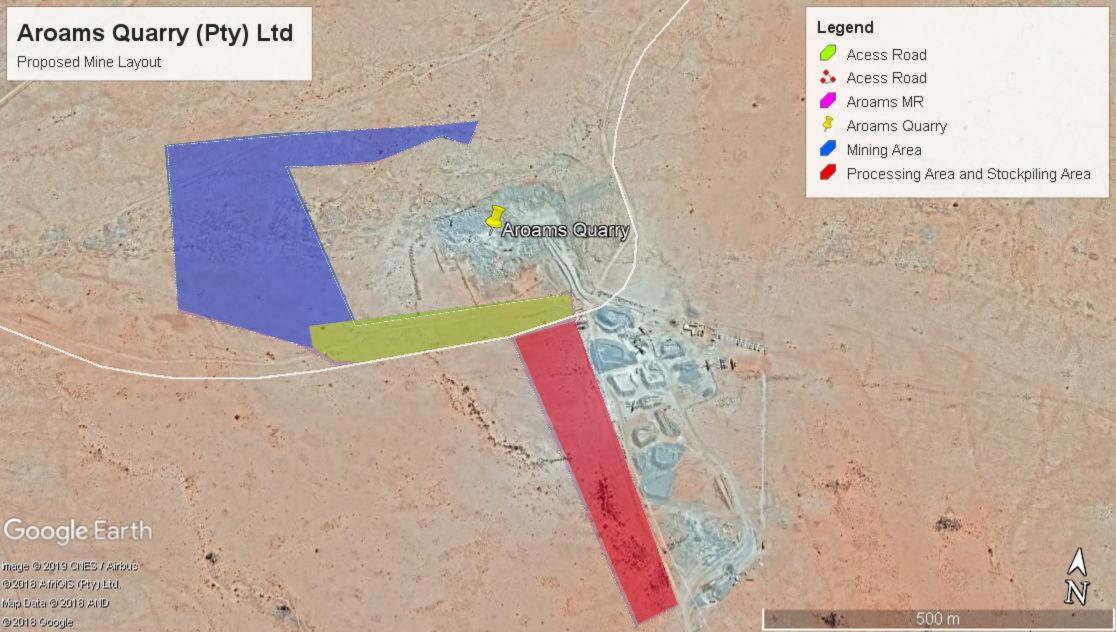
											:: ::	·:		
Permit No.	MP 003/2015					Reg	ion	NORTA	HERN (CAPE	- SPR	INGB	ОК	
Office reference	NC 30/5/1/3/2/1040	10 MP					1							
Permission is hereby	granted under and si	bject to	the pr	ovisions	s of Ihe	e Miner	al and	i Petrok	eum Ri	esourc	es De	velopi	ment Ac	t,
2002 to [full name]	SPH KUNDALII	A (PRC	PRIET	ARY) L	IMITE	D							·	· ·
Identity number in car	se of a natural person	X	Х	X	Х	Х	Х	Х	Х	X	Х	Х	Х	Х
In the case of a perso	n other than a natura	l persor	n please	ė indica	te:									
Co NA	Co NA		P	arinersi	hip/Joi	nt vent	ire	ÑA	·-		ı	Other	• N/	·
* If other, specify	ĮA	<u></u>								-			: : .	
Registration number of	of Co. or Cc. 1	9	9	7	/	0	1	5	8	5	7	1	0	7
To mine for [name of	minerali STONE A	GGRE	GATE:	GRAVE	<u> </u>			<u> </u>					. ' '	<u>'</u>
on [full name of farm	and subdivision, regis	tration o	division	and no	1	A POR	TION	OF PO	RTION	12 OF	THE	FARM	AROA	vis.
	ATIVE DISTRICT OF	- NAMA	QUAL	AND, M	ESSU	AING 5	.0000) HA	•		. :			
as indicated on the at	ached plan No. NC 30/5 MP	/. 5/1/3/2/1	\$ M	o siç	gned b	y the R	egion	al Mana	iger on	0	4 - 0	3	2 0	1 5
Unless this permit is		ed ahan		or lans	As its	hall he	validi	for a no	anion f	not m	nre 1k	nan tu	in vesi	et subieh
shall extend from the	<u>.</u>	0 3		3	2	0	1	7	<u>.</u>				<u>.</u>	periods
each which may not e	xceed one year.				'							· 		
This permit does not e	exempt the holder fro	m the re	equiren	nents of	any p	rovisio	ı of a	ny othe	r law o	r from	any n	estricti	ive provi	sions or
conditions contained i													:	
interest in the land cor	ncerned	· .·· ·							 :		· · · · · · · · · · · · · · · · · · ·			·
Signed at SPAINBO	K this	415		day	/ of	MAR	CH.					.:	2015	
Juliaka				_					· · ·				1	
INISTER OF MINERA	LS AND ENERGY	:									:			٠.



APPENDIX 4.

SITE PLAN





APPENDIX 5. WULA SUBMISSION





The Later	water & samtation
	Department Water and Sanitation REPUBLIC OF SOUTH AFRICA

Licensing

Marchael	STORWAY	1.0000000000000000000000000000000000000	Action with the second	WHI WAS THE	1000,000,000	a manager w	stream transfer	And the way of the angle of the
	100		9t v: 101					
	Bolinia de la	na analisa	hla antiant	ot with on	V andlar oa	malata data	lle whore an	nlicableiraliable
12.79.27.7	maix	ne appiica	nie obciouit	a) with an	v giranoi co	mhiere nara	ing witers ab	plicable/available .

Section 41(1)(a) of the National Water Act

APPLICATION FOR WATER USE LICENCE

1.	GENERAL INFORMATION						
1.1	Do you have an authorization from the Department of Water & Sanitation in the property in respect of this application?						
]	(Issued in terms of the National Water Act (Act 1 1 1 1 1 1 1 1 1 1						
	No. 36 of 1998).						
	Register Number						
2. APPL	ICANT DETAILS						
2.1	Applicant Type (mark only one block with X)						
	☐ Individual (complete 2.2) ☐ Provincial Department (complete 2.5)						
	✓ Company, business, partnership or						
	☐ National Department (corruplete 2.4) ☐ Water User Association (complete 2.7)						
2.2	If the applicant is an individual						
2.2.1	Title Surname Initial Initial Surname						
	p						
2.2,2	South African ID (if holder of South African Id) alternatively Passport Number: ID Number or Passport						
	Number						
	Passport Expiry Date (coyymmdd)						
	Passport Country Of Issue						
2.3	If the applicant is a company, business, partnership or community:						
2.3.1	Namo of company, business, partnership or community:						
	SPH KUNDALILA PTY LTD						
2.3.2	Business Enterprise Registration Number 1 9 9 7 0 1 5 5 7 0 7						
2.3.3	Date Established (coyymmdd) 1 9 9 9 0 9 2 2						
2.3.4	Country Where Established RSA						

2.4	If the	e applicant is a	· Natio	nal Departme	ent:					
2.4.1		onal Departmen								· · · · · · · · · · · · · · · · · · ·
2.5	_	e applicant Is a	Prov	incial Departr	ment:					
2.5.1	Prov	· · · · · · · · · · · · · · · · · · ·		<u> </u>						_
2.5.2	Prov	incial Departme	nt Næ	me:					·	
2.6	If the	e applicant is a	Wate	r Services Pr	 ovider	(WSP) or Water Se	ervices Authority	(WSA):		
2.6.1	_	e of WSP ox W				,,	• · · · · · · · · · · · · · · · · · · ·	<u> </u>		
										<u> </u>
2.7		e applicant is a	Wate	r User Assoc	lation	(WUA):				
2.7.1	Nam	e of WUA:								
2.8	How Lice	many poople i	will be	enefit from the	e acqu	isition of this water	usc			
2.8.1.			y & g	ender status	of the	prospective benefi	ciaries:			
		Eqt	uity/Sta	atus				Gen	der	
					(Mark	the applicable option	(s) with an X and s	pecify the ni	usmbare)	
	ļ		Tota	l Number			Total Number		Total Numb	er
		Black				Male			Female	
		Coloured				Maie			Female	
	닏	Indian				Asale		<u> </u>	Female	
	붜	White				Male			Female	
	<u> </u>	Youth	D	Division 5		Malo			Femalo	
2.8.2		rk the applica				mpowerment (BBB)	EE) Status			
	[IVI	Historically Dis								
		Historically Ad				",				
-		Black Econom				 Indiani				
	1231					PLETING A BEE CER	RTIFICATE			
3. WAT	[ER	JSE DETAI	ĹS	–						
3.1	Name	of water resour	rce	<u> </u>					· .	
3.2	Type	of water source		☐ River / str		Spring / Sye	Groundwater	Dam		:
		only one with X								
	•	•	•	☐ Welland		Lake	□ GWS	Estua		
							(scheme)		,	
				If water sour	ce is a	L	l '	 1e:		
3.3	Coord	linates in respec	of to W	l						
	S	2 9 % 1	0 ,	1 6 .	0 "	or S		P 0	ਮ \$ ੈ	. j'
			- 1					.		· · · · · · · · · · · · · · · · · · ·
	E	1 [:] 8 ° 5 	9 ,	5 3 .	2 "	or E	_'!	" 0	nt E	<u> </u>
[Datur	- tuno		☐ Ca	ana /h/	 cdified Clarke 1880)	·	⊠ GWS-I		
	D13(0)]	. gp.		= 0	ahe (iw	nauen ainus tabil)		⊠ Ω#13-1	U 4	

3.4	Quaternary Drainage Region					— \				
3.5	Select the Applicable Water Man	agement Are	a			•				
<u>-</u>	Of Limpapa	05 V	aal		09 Berg-Offants					
	02 Olifants	08.0	vange		— ·. •					
	03 (nkomati-Usulhu	07 M	Zznważa - Tsatakemena							
== ····	04 Pongola-Umzinkulu	☐ 06B	reede-Gountz							
3.6	Description of Activities in Relation AN APPLICATION FOR DUST: LOCATED ON A PORTION OF 30/6/1/3/2/10400MP WATER ABSTRACTED FROM WATER IS USED FOR DUST 8 POTABLE WATER WILL BE BO WATER USAGE: 15m² PER MAUTOMATIC SWITCH PUMPIN	SUPPRESSI PORTION 2 THE BOREL UPPRESSION AND ONTH 180	ON ON A MINING PERMIT: AG OF THE FARM AROAMS 57, N HOLE 29"10"16.05"S; 18"59"53 ON AND ABLUTION FACILITIES SUPPLIED TO WORKERS ON M*PER YEAR.	GREGATE IAMAQUAI 23°E , FIT SPURPOS	LÁND, NORTHE TED WITH A PU IFS OM Y	FIN CA	PE PROVINCE.REF NC			
3.7	Select the applicable Water	Use (WU)	sector(s) - Purpose of the	∍WÜ						
	Agriculture: Aquaculture		Power Generation	······································	· · · · · · · · · · · · · · · · · · ·	☐ Co	remercial Forestry			
	Agriculture: knigation		Recreation			_	ler Supply Service			
	Agriculture: Watering Lives Senitation	tock	☐ Development ☑ Mining		ustriei					
	If Other is selected, Please Spe	cify:	EST THRUTH			Oth	iza.			
	Delete the words that ere not ap this application form is, to the bes	plicable live of myfour ic	o frakcie fierkerá full. Na		ereby declare the	st the in	formation provided by me/us in Thumbprint (only if requested)			
	1	H			1 9 0 5	6 0				
4. PRO	OPERTY WHERE WATER	USE(S)	WILL OCCUR				į			

	Name of Property where wet	er uso takes place (farm, stand or community): Description as per the Deeds Act if applicable, or Name
4.1	of agricultural holding, farm	, township, town or city. In the event of multiple properties and water uses, please only list onc
	considered to be the main p	roperty. The rest of the property details shall be submitted with the water use technical report.
	COOTION OF THE PERSON	ARM AROAMS 57 AGGENEYS, NORTHERN CAPE PROVINCE.
	PORTION 2 OF THE F	ARM AROAMS 57 AGGENETS, NORTHERN CAPE PROVINCE.
	T87535/2000	
	16155512000	
<u> </u>		,- <u></u> ,
	Deads Registration Date (coy)	/mmdd):
4.2	Property Type (mark only one	e with an X)
	☐ Agricultural Holding	
	Exclusive Use Areas (E	UA)
	☐ Sectional Schomo (To C	Oblain EUA)
	Sectional Scheme Unit	
	Unspecified	
	□ Ed ⊠ Farm	
	Sectional Scheme (to of	btain unite)
	☐ Township	····
	☐ Unsurveyed	· · · · · · · · · · · · · · · · · · ·
4.3	If the property type is unsur	veyed, complete the following:
	a) Surname and initials of lea	ider of village, community or tribal authority
	<u> </u>	J Initials
	kà Lavel Authoritu	
	b) Local Authority	
		&/or
	c) Magisterial District	
		&/or
	d) Tribal Authority/Council	
4. 4	· · · · · · · · · · · · · · · · · · ·	unsurveyed, complete the following:
	a) Doeds Office — —	MONTHERA CALL
	b) Registration Division	NAMAQUALAND
	c) Property No	57
	(i.e. Farm No./Er! No./	
	Rolding Area No./	
_	Scheme No.)	
	d) Portion of Property	2
		T877535/2009
	e) Title Deed Numbor	10770302007
5. D	ETAILS OF PROPERTY OF	WNER

		·	
5.1 Nature of property owner (mark on	ly ane block with X)		
☑ Individual (complete 5.2)		Provincial Department	
Company, business, partnership or co	emmunity (complete 5.3)	- 	er or Water Services Authority (complete 5.6)
National Department (complete 5.4)		Water User Associatio	n (complete 5.7)
		·	
5.2 If property owner is an individual		Maiden Name	··········
5.2.1 Surname GERBER	·	Namer Marine	·- · · · · · · · · · · · · · · · · · ·
5.2.2 Initials D	Title MR	Position or official status	LAND OWNER
5.2.3 Marilal Status (mark only one):	Married In Community Of Prope Unmarried	enty Married O	nit Of Community Of Property
5.3 If holder of South African ID:			
5.3.1 tD Number	6 5 0 8 0 1 0 1 <u>13 7</u>	0 8 7	·
5.3.2 If not holder of South Afric	san ID:		
5.3.2.1 Passport No.			
		<u> </u>	
5.3.2.2 Expiry Date (ccyymmdd)		.	
5.3.2.3 Country of issue	RSA		
5.4 If the property owner is a company	y, business, partnership or comm	unity:	
5.4.1 Name of company, business, parine	erskin or community:		
- Transcor Company, Carameter, parine			·
		·	
5.4.2 Trading name If different from name	of company, business, partnership	or community:	
F 4 2 Torrest Statement of more and and and and	with on Vi		
5.4.3 Type of Enterprise (mark only one v		· 	
06 Public Company (Ltd)	☐ 07 Private Company	(Pty) Litë	□ 08 Article 21 (Association inclunder Soction 21)
	10 External Company	y. <u></u>	11 External Company under Article 21
20 Transvaal Ordinance	21 Incorporated (Inc)		22 Unlimited
23 Close Corporation (CC)	Parastatal	<u></u>	Trust
Other [i.e. Non-CIPRO Company 7	Types (e.g. Churches, Schools, Com	munity Groups, etc.) excludi	reg Trust & Parastatati
5.4.4 Business Rogistration Number	1 9 9 7 0 1	1 8	
5.4.5 Date Established (ccyymradd)	1 9 9 7 0 9	2 2	
5.4.6 Country Where Established	1854		
5.5 If the property owner is a National	Department:		
5.5.1 National Department Name:			
5.6 if the property owner is a Province:	al Department:	··	
5.6.2 Provincial Department Name:			
5.7 If the property owner is a Water Se	ervices Provider or Water Services	Authority:	

5.7.§ Name of WSP or WSA:	···································			<u> </u>
5.8 If the property owner is a Water User Association:		· ····································	•	
5.8.1 Name of WUA:		<u> </u>		<u></u>
5.9 Postal Address:				
		·		-1
PO BOX 66192	<u></u>			
HiGHVELD	- · · · · · · · · ·			
CENTURION	П .	Postal Code	0 1 6 9	
SERVICINO				
	1.1			
5.10 Street Address (only if different from postal address):				
8UILDING 1				
THOUGHOUS OFFICE PARK OFFICE AVENUE				
HIGHGROVE OFFICE PARK, 50 TEGEL AVENUE			·	
HIGHVELD		Postal Code	0 1 6 9	
	İ			
				
5.11 Contact Telephono Number During Office Hours			<u> </u>	
Area/cefl j 0 1 8 Number 7 8 7 9 9 0 1 code	Ext			
Afternative contact number			: 1	
Area/cell 0 8 4 Number 5 5 5 1 5 6 7	Ext		İ	
5.12 DECLARATION BY PROPERTY OWNER				
5.12.1 Position or official status: (Please specify if Property Owner or Lessoo):				
(If not the property owner, please submit letter of authority to sign on behalf of the property owner	1)		•••	
I doclare that the applicant defined in this application has lawful access to the property an	d carry out th	e water use ac	ctivity or activities r	elated to
this application.				
Signature Date (ocyymrod	ld) Th	umbprint (anly	If requested)	
MR. D GER8ER 20190506				
<u></u>				
· ·				

6.	TERMS & CONDITIONS
6.1	In this License Application Form, unless the context clearly shows a different intention, the words defined below will have the meanings given to them, and similar words or expressions will have corresponding similar
	meanings:-
	Act means the National Water Act, 1998(Act No 36 of 1998).
	Property means the property whore the water use will take place
6.2.	The Department of Water and Sanitation has a zero tolerance approach to fraud, corruption and any other irrogular conduct. I make a commitment to report any potential corrupt activity by any employee of the Department of Water and Sanitation to the National Anti-Corruption Hottine: 0800 701 701, Fax Number: 0800 204 965 and Postal Address:
	P O Box 582,
	Umhlanga Rocks,
	Kwazutu-Natal,
	432.
6.3	Lundertake not to fail to provide access to any books, accounts, documents or assets when required to do so under this Act as provided for in section 151(1)(b) of the National Water Act, 1998 (Act No 36 of 1998).
6.4	Lundertake not to use water otherwise than as permitted under this Act as provided for in section 151(1)(a) of the National Water Act, 1998 (Act No. 36 of 1998).
6.5	Lundertako not to fail or refuse to give data or information, or give false or misleading data or information when required to give information under this Act as provided for in section 151(1)(f) of the National Water Act, 1998 (Act No 36 of 1998).

2019/05/06	
	· ·
	ţ

7. THIS SECTION IS RESERVED FOR OFFICE USE ONLY

7.1 LIST OF SUPPORTING DOCUMENTATION RECEIVED	
Mark with an X if these documents have been submitted with this application	
Conflied Copy of Identity Document (of the Representative and/or an Applicant)	
Certified Copy of Business Registration Certificate (if applicant is a Company)	
Certified Copy of Title Deeds Document and/or Permission to Occupy	
Chalified Cupy of Letter of Authority/Power of Attorney to sign on behalf of the Prospective Water User	
Proof of Payment of Water Licensing Fee	
Certified Copy of BBBEE certificate	
- I	
7.2 WATER USE LICENSE QUALITY MANAGMENT ASSESSMENT	
File number (i.e. Office Hardcopy Register File No)	<u> </u>
Received by:	
Sumame	
Initials	
Position / Rank	
Signature Date (coyymrodd)	,
Date stamp of receiving office	

SARKUD FREDERIK SERATUR GANGER SPEERS

7.1 MAY 2013
CRIME PREVENTION
SPRINGBOK
SOUTH AFRICAN POLICE SERVICE