



ENVIRONMENTAL PERFORMANCE ASSESSMENT REPORT STEINKOPF MINE

**NAMLI EXPLORATION AND MINING (PTY) LTD, PORTION OF THE FARM  
STEINKOPF NO. 22, NAMA KHOI MUNICIPAL AREA, NORTHERN CAPE  
PROVINCE.**

**MINING OF LITHIUM ORE (LI), NICKEL (NI), MANGANESE (MN), LEAD  
(PB), COPPER (CU), IRON (FE), COBALT (CO), GOLD (AU), ZINC (ZN),  
SILVER (AG), TUNGSTEN (W), URANIUM  
(U), BERYLLIUM (BE), RARE EARTHS, TANTALUM (TA).**



**ENVIRONMENTAL PERFORMANCE  
ASSESSMENT REPORT**

<b>REFERENCE NUMBER</b>	<b>NC30/5/1/3/2/10950MP</b>
<b>AUDIT PERIOD</b>	<b>30 June 2023</b>

Prepared For:  
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1. PROJECT SPECIFIC DETAIL

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ITEM	LOCATION AND AREA INFORMATION
<b>Site Name</b>	Steinkopf Mine
<b>Property Description</b>	Portion of the farm Steinkopf No 22 in the Nama Khoi municipal area of the Northern-Cape Province.
<b>Location</b>	±40 km north-east of the town of Steinkopf
<b>Size of Mining Area</b>	NC 30/5/1/3/2/10950 MP – 5ha

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measures are included in this report as this report represents a sample of assessable parameters. As a subsequent event, should additional information become available, Greenmined reserves the right to amend its findings, observations, measures and executive summary.



# ENVIRONMENTAL PERFORMANCE ASSESSMENT AROAMS QUARRY- LIME SALES



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**2. ENVIRONMENTAL AUDIT REPORT**

**PROJECT DETAIL**

<b>Permit number:</b>	NC 30/5/1/3/2/10950 MP	<b>Date of commencement:</b>	February 2023
<b>Site name:</b>	Steinkopf Mine	<b>Inspection date:</b>	30 June 2023
<b>Contractor:</b>	Namli Exploration and Mining (Pty) Ltd	<b>Other authorisations:</b> Plant removal	<p>An application for plant permit will be submitted prior to commencement of a new area. The existing tailings at Norrabees 1 will be adequate to support the proposed operation for a 6-month period.</p> <p>After which blasting and extraction of in-situ material from the mining areas will become necessary. Such in-situ reserves from the Norrabees 1 and 2 mining pits is expected to adequately support the operation for an additional 18 months.</p> <p>A plant permit is valid for a period of one year.</p>
<b>Report number:</b>	2		

**DETAIL OF AUDITOR**  
**(APPENDIX 7 SUB-REGULATION 3(A) & (B)):**

<b>ECO:</b>	Murchellin Saal
<b>EXPERTISE:</b>	Mrs. MD Saal has 12 years of experience in environmental legal compliance audits, (GIS) geographic information system, mining right and permit applications and applications for environmental authorisations & Water use applications.
<b>DECLARATION OF INDEPENDENCE:</b>	<p>I Murchellin Saal Registration: 2021/4203 declare that –</p> <ul style="list-style-type: none"> <li>• I act as independent environmental control officer in this compliance audit;</li> <li>• I will perform the work relating to the audit in an objective manner, even if the results and findings are not favourable to the holder of the authorisation;</li> <li>• I have expertise in conducting environmental compliance audits, including knowledge of the Act and regulations that have relevance to the activity;</li> <li>• I will adhere to and comply with all responsibilities as indicated in the National Environmental Management Act and Environmental Impact Assessment Regulations.</li> </ul>

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- I do not have and will not have any vested interest in the activity other than remuneration for work performed in terms of the Environmental Impact Assessment Regulations, 2014 (as amended 2017).

A handwritten signature in black ink, appearing to read 'M. L. L.'.

Signature of ECO

Date: 30 June 2023

**SCOPE & PURPOSE OF ENVIRONMENTAL AUDIT**

**(APPENDIX 7 SUB-REGULATION 3(C)):**

This environmental audit report was compiled in terms of the requirements of the NEMA EIA Regulations, 2014 (as amended 2017).

**OBJECTIVE:**

The objective of the environmental audit report (EAR) is to evaluate compliance of the operational activities with the Environmental Management Programme Report, 2014 (EMPR) as approved by the Department of Mineral Resources in 2015.

**INSPECTED AREAS:**

The inspection included an assessment of the following areas:

- Access road;
- Office area;
- Storage and ablution facilities; and
- Crushing and screening plant (Mobile)
- Stockpile area;

Both Norrabees 1 and 2 was historically excavated and abandoned without rehabilitation. The Applicant is currently mining the existing tailings at Norrabees 1 for which operation is estimated for ±6 months prior to implementing direct mining methods.

In order to establish the environmental compliance assessment of the operation the mining site was inspected on foot by the Environmental Control Officer, Murchellin Saal, of Greenmined Environmental accompanied by Henk Dippenaar.

**ASSUMPTIONS, UNCERTAINTIES OR GAPS IN KNOWLEDGE**

**(APPENDIX 7 SUB-REGULATION 3(F)):**

The assumptions made in this document, stem from specific information gathered during the site audit and background information gathered from site management. No uncertainties or gaps in knowledge could be identified that is applicable during this audit period.

**LOCATION**

**Site location:**

The mining permit, and waste licence extents over a 5-ha portion of the farm Steinkopf No 22 in the Nama Khoi municipal area of the Northern-Cape Province.

The mining permit application is for the mining of Lithium ore (Li), Nickel (Ni), Manganese (Mn), Lead (Pb), Copper (Cu), Iron (Fe), Cobalt (Co), Gold (Au), Zinc (Zn), Silver (Ag), Tungsten (W), Uranium (U), Beryllium (Be), Rare Earths, Tantalum (Ta).



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The deposits are closely spaced (450 m) with extensive excavations present on both the outcropping areas of Norrabees 1 and 2. A large volume of tailings material, that contains spodumene and tantalite, are present at Norrabees 1. The tailings will therefore be processed initially, and mining of the in-situ material will not be necessary during the initial phase of the project. The project will be a relatively small-scale operation with a limited lifespan.

The mining methods:

Commence with existing tailings at the site for  $\pm 6$  months prior to implementing direct mining methods. Considering this, the proposed project will entail the reprocessing and reclamation of abandoned tailings on the site that will directly contribute to the rehabilitation of the altered area, as well as securing unsafe areas.

Site establishment/construction phase which will involve the demarcation of the permitted mining area. Site establishment will also necessitate the clearing of vegetation and the introduction of mining machinery and equipment. Overburden stripping will only be necessary during the second phase of the project.

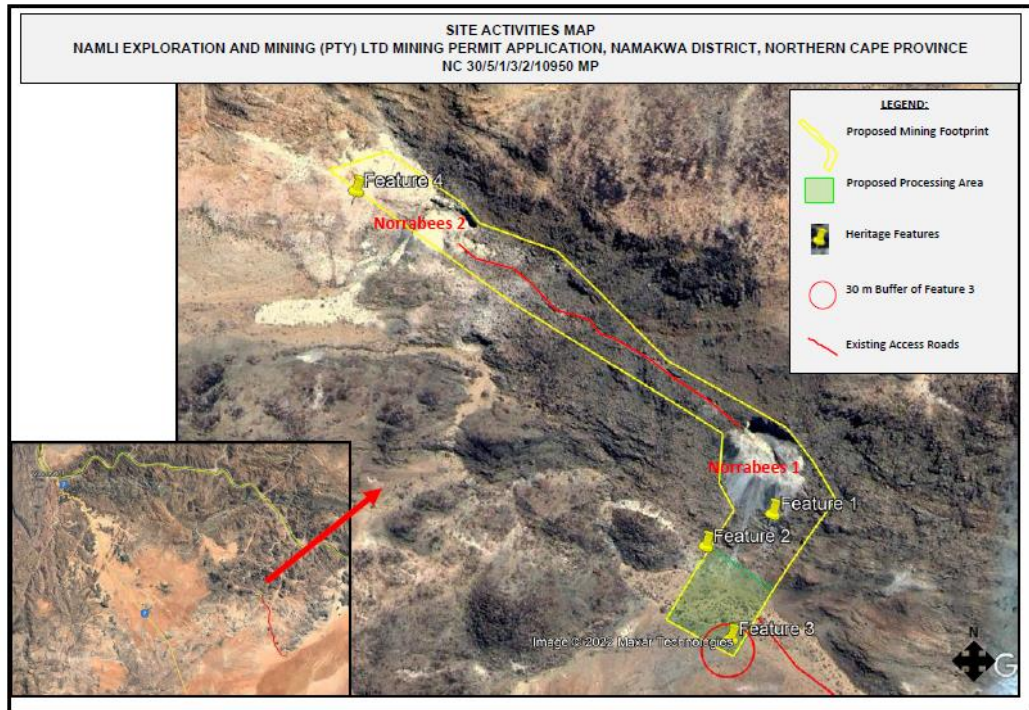
(2) Operational phase that will entail the processing of the Norrabees 1 tailings first, upon which the mining of the in-situ hard rock will follow. The mining method will make use of blasting to loosen the hard rock; upon which the loosened material will be transported to an on-site processing plant.

The existing roads and tracks can be used to access the proposed mining area, and no new roads needs to be made.

Site map:



**ENVIRONMENTAL PERFORMANCE ASSESSMENT STEINKOPF MINE**



**Site Coordinates:**

	DECIMAL DEGREES		DEGREES MINUTES SECONDS	
A	28°56'46.475"	17°58'33.917"	-28.946241°	17.976090°
B	28°56'48.426"	17°58'37.092"	-28.946794°	17.976973°
C	28°56'49.088"	17°58'37.744"	-28.946963°	17.977156°
D	28°56'50.168"	17°58'40.865"	-28.947271°	17.978024°
E	28°56'53.876"	17°58'45.134"	-28.948286°	17.979190°
F	28°56'56.137"	17°58'49.829"	-28.948932°	17.980510°
G	28°56'57.336"	17°58'50.981"	-28.949256°	17.980828°
H	28°56'58.679"	17°58'51.956"	-28.949640°	17.981099°
I	28°57'04.651"	17°58'48.058"	-28.951294°	17.980015°
J	28°57'03.276"	17°58'45.203"	-28.950904°	17.979222°
K	28°56'59.150"	17°58'47.978"	-28.949767°	17.979990°
L	28°56'58.146"	17°58'47.316"	-28.949491°	17.979807°
M	28°56'56.364"	17°58'47.381"	-28.949001°	17.979824°
N	28°56'51.785"	17°58'38.939"	-28.947725°	17.977489°
O	28°56'47.054"	17°58'31.512"	-28.946404°	17.975433°

**PROJECT DESCRIPTION**

The mining permit and waste licence over 5-ha portion of the farm Steinkopf No 22 in the Nama Khoi municipal area of the Northern-Cape Province, held by Namli Exploration and Mining (Pty) Ltd, Permit number: 38/2022, Reference: NC 30/5/1/3/2/10950 MP entails the mining of Lithium ore (Li), Nickel (Ni), Manganese (Mn), Lead (Pb), Copper (Cu), Iron (Fe), Cobalt (Co), Gold (Au), Zinc (Zn), Silver (Ag), Tungsten (W), Uranium (U), Beryllium (Be), Rare Earths, Tantalum (Ta).

## ENVIRONMENTAL PERFORMANCE ASSESSMENT STEINKOPF MINE

Mining commenced in February 2023.

The objective of the project is the extraction of minerals containing the elements Ta, Li and Nb (Niobium) from two deposits currently known as Norrabees 1 and 2 on the abovementioned property. These elements are primarily contained in the minerals spodumene ( $\text{Li}_2\text{O}$ ) and tantalite ( $\text{Ta}_2\text{O}_5$ ). A large volume of tailings material, that contain spodumene and tantalite, are present at Norrabees 1. The tailings will be processed initially, and mining of the in-situ material will not be necessary during the initial phase of the project. The project will be a relatively small-scale operation with a limited lifespan.

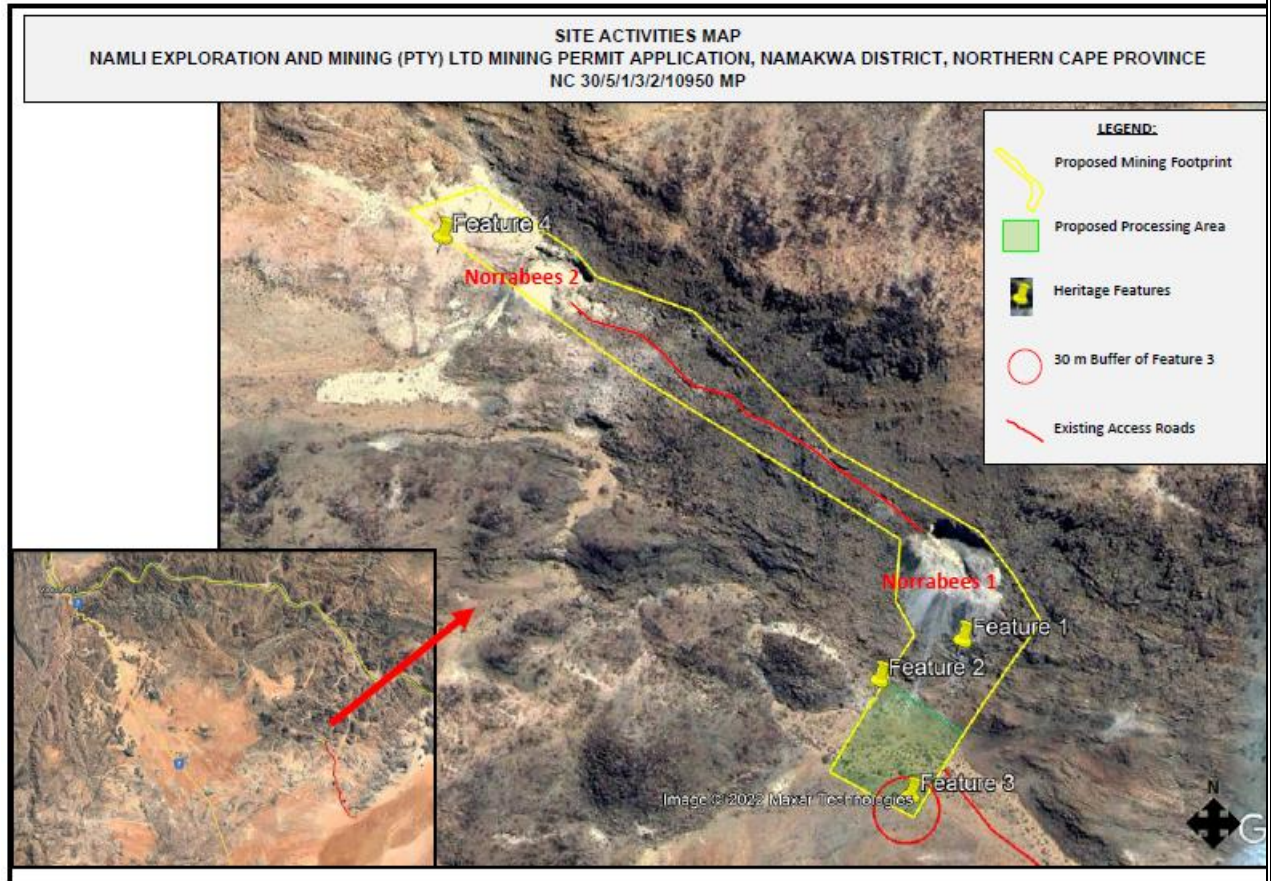
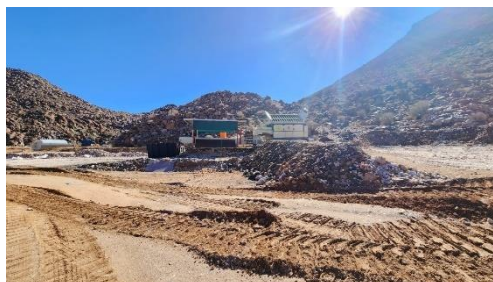


Figure 1: Location of the Steinkopf mining permit (yellow polygon) that this audit is based on. (Image obtained from Google Earth)

### SITE CONDITIONS

Dry sunny weather conditions.





**ENVIRONMENTAL PERFORMANCE ASSESSMENT STEINKOPF MINE**

**REPORTABLE ENVIRONMENTAL INCIDENTS**

<b>INCIDENT DATE:</b>	No reportable environmental incidents occurred during March 2023. The mine keeps a register in Site file of all the incidents that occur during the operations phase.
<b>INCIDENT NO:</b>	
<b>INCIDENT:</b>	
<b>HOW ADDRESSED:</b>	
<b>WHEN ADDRESSED:</b>	

**ADOPTED METHODOLOGY**

**(APPENDIX 7 SUB-REGULATION 3(D)):**

<b>COMPLIANCE SCORE</b>	<b>DESCRIPTION</b>
1	Task not achieved
2	Task 20% achieved
3	Task 50% achieved
4	Task 80% achieved
5	Task 100% achieved in accordance with the EMPR

<b>NON-COMPLIANCE SCORE</b>	<b>DESCRIPTION</b>
1	<b>LOW</b> – Mitigation not needed / mitigation measures to be maintained
2	<b>MEDIUM</b> – Mitigation should be considered
3	<b>HIGH</b> – Mitigation compulsory



## ENVIRONMENTAL PERFORMANCE ASSESSMENT STEINKOPF MINE

### INSPECTION ASPECTS

DESCRIPTION	COMPLIANCE SCORE	NON-COMPLIANCE SCORE	STATUS	COMMENTS
<b>LEGISLATION COMPLIANCE</b>				
National Environmental Management Act, 1998 (Act No. 107 of 1998) and the Environmental Impact Assessment Regulations, 2014 (as amended 2017)	N/A	-	N/A	The mining permit and waste licence was issued by DMRE on 27 October 2022 and is valid until 26 October 2024, whereafter it may be renewed for three periods.
Copy of the EA and EMPR available on site	5	-	Compliant	A Site file containing all related approvals and documents were compiled by Greenmined and handed over to Henk Dippenaar on site. EA and EMpr is now available on site.
Mineral and Petroleum Resources Development Act, 2002 (Act No 28 of 2002)	5	-	Compliant	Mining commenced with site establishment start of February 2023. Enactment was sent to Dmre 23 February 2023.
Mining permit available on site	5	-	Compliant	A copy of the mining permit is available in the site file.
National Environmental Management: Air Quality Act, 2004 (Act No 39 of 2004)	N/A	-	N/A	The operations at the quarry does not trigger the NEM:AQA, 2004.
National Environmental Management: Waste Act, 2008 (Act No 59 of 2008)	5	-	Compliant	Waste licence forms part of the EA approval. Refuse generated at the mine is handled in accordance with the NEM:WA, 2008.
National Water Act, 1998 (Act 36 of 1998)	1	3	Non Compliant	The site is now operational. An application for water was submitted to the Henkries pump station within 9km, proof of documents attached.
Copy of Water Use Authorisation available on site.	N/A	-	-	Awaiting formal agreement between Namli and Henkries pump station still to be obtained. WULA Not applicable.
National Environmental Management: Biodiversity Act, 2004 (Act No 10 of 2004) (NEM:BA)	5	-	Compliant	The mine is currently focusing on the tailings and does not yet require a plant removal permit, however a permit will be applied for prior to mining activities.
Hazardous Substances Act, 1973 (Act 15 of 1973)	5	-	-	Oil neatly stored.
National Heritage Resources Act. 1999 (Act No 25 of 1999).	1	3	Non Compliant	The HIA identified (4) four features of importance during the site survey. These features were discussed with site managers but during the June inspection it was

## ENVIRONMENTAL PERFORMANCE ASSESSMENT STEINKOPF MINE

DESCRIPTION	COMPLIANCE SCORE	NON-COMPLIANCE SCORE	STATUS	COMMENTS
				found that feature 1 was covered by the tailings and feature 2 was used as the platform for the sorting plant. This was communicated to the Heritage specialist who now needs to advise on the way forward and if a destruction permit can still be made and if the sorting plant must be moved. Site manager was requested to ensure that feature 3 is protected by means of a 30m buffer and it was confirmed that feature 4 will not be affected as this feature falls outside of the permit boundary.
<b>ASPECTS OF THE AFFECTED ENVIRONMENT</b>				
<b>TOPSOIL AND OVERBURDEN MANAGEMENT (EMPR PG 33,101, 132)</b>				
Topsoil stripping and stockpiling done	5	-	Compliant	Where applicable/possible topsoil needs to be returned to its original depth over the area.
Topsoil storage (heaps not exceeding 2 m)	5	-	Compliant	Not yet applicable.
Overburden stripped & stockpiled	N/A	-	-	Once overburden, rocks and coarse natural materials has been added to the excavation and it was profiled with acceptable contours and erosion control measures, the topsoil previously stored must be returned to its original depth over the area.
Topsoil heaps vegetated	5	-	Compliant	Not yet applicable.
Stockpiles monitored for erosion, weeds and foreign matter	5	-	Compliant	
Topsoil returned to rehabilitated area	N/A	-	-	Not yet applicable.
<b>VEGETATION (EMPR PG 16, 42, 46)</b>				
Protected plants (if any) sheltered from mining activities	5	-	Compliant	Prior to mining an application for removal and transportation of protected plants will be made upon instruction by client.
Removal of vegetation limited to smallest possible area.	5	-	Compliant	The existing infrastructure (office building) was there prior to the Mining permit and is currently used as an office and storage facility. The mining area to be cleared will be within the 5ha permit area. <ul style="list-style-type: none"> <li>No natural (undisturbed) areas within the footprint of the processing area may be disturbed prior to obtaining a plant removal permit.</li> </ul>
Aliens & weeds controlled on site	5	-	Compliant	The overall appearance of the site was free of weeds/invaser plants.
No collection of fire wood allowed	5	-	Compliant	-
<b>FAUNA (EMPR PG 106, 137)</b>				



**ENVIRONMENTAL PERFORMANCE ASSESSMENT STEINKOPF MINE**

DESCRIPTION	COMPLIANCE SCORE	NON-COMPLIANCE SCORE	STATUS	COMMENTS
All animals, birds and reptiles protected on site	5	-	Compliant	-
Excavations daily monitored for trapped fauna	5	-	Compliant.	
<b>AIR QUALITY AND NOISE (EMPR PG 98, 128, 130,122 AND NOISE)</b>				
Dust suppression implemented	5	-	Compliant	
Speed on access roads limited to 40km/h	5	-	Compliant.	
Mining equipment serviced regularly to ensure noise emissions are minimized	5	-	Compliant.	-
No load music permitted on site	5	-	Compliant.	-
Residents on the property and the surrounding area informed in any unusual noise activities are planned.	5	-	Compliant.	-
<b>ARCHAEOLOGICAL AND CULTURAL INTEREST (EMPR PG 75)</b>				
Archaeological and/or cultural remnants protected	4	1	Compliant.	The HIA identified (4) four features of importance during the site survey. These features were discussed with site managers but during the June inspection it was found that feature 1 was covered by the tailings and feature 2 was used as the platform for the sorting plant. This was communicated to the Heritage specialist who now needs to advise on the way forward and if a destruction permit can still be made and if the sorting plant must be moved. Site manager was requested to ensure that feature 3 is protected by means of a 30m buffer and it was confirmed that feature 4 will not be affected as this feature falls outside of the permit boundary.
<b>SURFACE AND STORM WATER MANAGEMENT (EMPR PG 174,201)</b>				
Storm water diverted around the mining area and access roads to prevent erosion	5	-	Compliant.	
Mining conducted in accordance with the Best Practice Guidelines for small scale mining	5	-	Compliant	
Areas with erosion reinstated	N/A	-	-	
<b>VISUAL EXPOSURE (EMPR PG 4, 47)</b>				



## ENVIRONMENTAL PERFORMANCE ASSESSMENT STEINKOPF MINE

DESCRIPTION	COMPLIANCE SCORE	NON-COMPLIANCE SCORE	STATUS	COMMENTS
Is the contractor implementing good visual and housekeeping standard?	4	4	Compliant	At the time of the inspection, the general housekeeping at the site was neat However as a salvage area needs to be demarcated for extra parts and sign boards.
Height of product stockpiles determined based on visibility of site	5	-	Compliant	The site is only visible from the immediate surroundings, and the activity therefore has a low visual impact on the visual characteristics of the receiving environment
<b>HAZARDOUS CHEMICAL MANAGEMENT (EMPR PG 31)</b>				
Hazardous material stored within a bunded area (110% capacity)	5	-	Compliant	Hazardous materials were stored in bunded areas and was deemed sufficient at the time of inspection.
Management of fuel and oil spills	5	-	Compliant	<ul style="list-style-type: none"> <li>• No visible fuel/oil spills on site</li> <li>• Drip trays under all parked vehicles</li> </ul>
Drip trays present when refuelling is done outside the service bay	5	-	Compliant	<ul style="list-style-type: none"> <li>• Drip trays were present under all stationary vehicles and is compulsory to implemented and prevent spillages/dripping equipment contaminating the area.</li> </ul>
Temporary work bays for emergency repairs must be provided with a concrete floor or lining. Supplied with oil trap.	1	3	Non Compliant	Still to be implemented.
Mining equipment mechanically sound without visible oil leaks	5	-	Compliant	This appeared to be true at the time of the inspection.
<b>WASTE MANAGEMENT (EMPR PG 108, 140,164-165)</b>				
Hazardous waste stored in a level area with impermeable floor	5	-	Compliant	
Hazardous and general waste stored separately	5	-	Compliant	<ul style="list-style-type: none"> <li>• General waste was nearly stored.</li> <li>• Oil spill kit available.</li> <li>• At the time of inspection used oil was stored in drums and placed in a steel designated oil storage trailer.</li> </ul>
General waste dumped at a recognised landfill site	5	-	Compliant	
Spill kits available on site	5	-	Compliant	Spill kits available
No waste burned on site	5	-	Compliant	-
Hazardous waste removed by a registered waste handling contractor	5	-	Compliant	<ul style="list-style-type: none"> <li>• New contractor appointed for removal of hazardous waste</li> <li>• Proof to be filed in the site file.</li> </ul>
Waste disposal permits on site	5	-	Compliant	



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DESCRIPTION	COMPLIANCE SCORE	NON-COMPLIANCE SCORE	STATUS	COMMENTS
No waste stockpile area allowed outside the boundaries of the mining area	5	-	Compliant	-
Suitable covered receptacles available always and conveniently placed for the disposal of waste	5	-	Compliant	
Contaminated water contained and removed from site	5	-	Compliant	
Integrated waste management approach implemented on site	5	-	Compliant	-
<b>POTABLE WATER AND ABLUTION FACILITIES (EMPR PG 31,167)</b>				
Ablution facilities available on site	5	-	Compliant	Ablution facilities available on site.
Potable water available on site for use of workers	5	-	Compliant	Potable water available on site for use of workers
Sewerage disposed of by a registered waste collector	5	-	Compliant	
<b>FIRE MANAGEMENT</b>				
Firefighting equipment available on-site	5	-	Compliant	-
No open fires at mining site allowed	5	-	Compliant	-
<b>MINE AND EQUIPMENT MANAGEMENT (EMPR PG 17)</b>				
Mining area demarcated with visible beacons	5	-	Compliant	Area demarcated by means of fence and lockable gate.
Mining conducted within approved footprint area	5	-	Compliant	Mining activities are taking place within the 5ha area.
Mine operational within hours as stipulated in the EMPR	5	-	Compliant	-



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DESCRIPTION	COMPLIANCE SCORE	NON-COMPLIANCE SCORE	STATUS	COMMENTS
Public complaints register maintained on site	5	-	Compliant	Site file
Incident register maintained on site	5	-	Compliant	Site file
Emergency preparedness plan implemented on site	5	-	Compliant	-
<b>BLASTING (EMPR PG 28,134)</b>				
Surrounding land users informed of blasting events.	5	-	Compliant	
Measures implemented to limit fly rock.	5	-	Compliant	
Fly rock that falls beyond the working area, collected and removed.	5	-	Compliant	
<b>ACCESS ROADS, VEHICLES AND TRANSPORTING OF MATERIAL (EMPR PG 86, 108,140)</b>				
Access road maintained	5	-	Compliant	Speed limited to 40km/h and road maintained.
Vehicle repairs only conducted in service bay area, and waste products disposed of in containers/bins	5	-	Compliant	
Mining equipment serviced regularly to ensure noise emissions are minimized	5	-	Compliant	
All mining earth-moving equipment & vehicles operating within site boundaries preventing crisscrossing	5	-	Compliant	
<b>EMPLOYEE AND SAFETY MANAGEMENT (EMPR PG 43)</b>				
No camping allowed on the mining area	5	-	Compliant	
Workers inducted and informed of EMP conditions within last 12 months.	5	-	Compliant	Regular/daily toolbox talks are aligned with conditions set out in the EMPr.
Proof of training available	5	-	Compliant	Available in site file and photo report below.
Workers provided with PPE	5	-	Compliant	-
Effective access control to prevent unauthorised entry.	5	-	Compliant.	Mining area is fenced with a lockable gate and person controlling access with a sign in register.

**COMMENTS OR COMPLAINTS RECEIVED FROM I&AP'S  
(APPENDIX 7 SUB-REGULATION 3(G) & (J)):**

No written comments or complaints were received from any of the surrounding I&AP's.

**AUDITING OF EA, EMPR AND REPORTING THEREOF  
(REGULATION 34):**

<b>Date of previous EAR/EPA:</b>	Steinkopf mine commenced with site establishment in February 2023.
<b>Proof of submission to DMRE available:</b>	1 <sup>st</sup> EPA was submitted to DMre in April 2023
<b>EAR/EPA compiled by independent person with environmental auditing expertise:</b>	Report compiled by Mrs Murchellin Saal of Greenmined Environmental (Pty) Ltd, April 2023.
<b>Potential and registered I&amp;AP's notified within 7 days of the submission date, and report available on publicly accessible website</b>	The report is available on site to be viewed by I&Aps as well as the website of <a href="http://www.greenmined.co.za">www.greenmined.co.za</a>

**GENERAL REPORT**

Compliance of the mining site with the EMPR was reviewed during the site assessment. The mining area recorded a compliance score of 93% for June audit period.

Steinkopf mine commenced with site establishment in February 2023.

A lockable entrance gate, guard with sign in register controls access and prevent unauthorised entry 24/7hrs per day. At the time of the inspection the overall condition of the site was neat and well managed, the signage boards were erected.

Dmre conducted a compliance inspection on 7 February 2023, for which a Notice of intend to issue compliance notice was received on 10 March 2023. Greenmined submitted a request for extension until 28 April 2023.

**Hazardous substances and waste handling:**

The fuel tanks are fitted with formal bunds with a 110% capacity. No contaminated soil was seen on site. Drip was placed under diesel bowzer and visible under all stationary vehicles.

**Protected Plants:**

There is no need for plants removal currently as the mine plans to operate on the historically mined section for approximately 5+ months.

A plant permit validation is one year and will be applied for two months prior to the commencement of a new area.

**Heritage Resources:**

The HIA identified (4) four features of importance during the site survey. These features were discussed with site managers but during the June inspection it was found that feature 1 was covered by the tailings and feature 2 was used as the platform for the sorting plant. This was communicated to the Heritage specialist who now needs to advise on the way forward and if a destruction permit can still be made and if the sorting plant must be moved.

Site manager was requested to ensure that feature 3 is protected by means of a 30m buffer and it was confirmed that feature 4 will not be affected as this feature falls outside of the permit boundary.



## ENVIRONMENTAL PERFORMANCE ASSESSMENT STEINKOPF MINE

### **Access road:**

Regularly maintained

### **General:**

Site was neat and well kept.

### **DOCUMENT CHECKLIST (ENVIRONMENTAL FILE): COMPILED BY GREENMINED**

- Environmental Management Plan - Present
- Mining Permit - Present
- Regulation 2(2) Mine Plan - Present
- Financial Provision Calculation - Present- submitted to Dmre 14 April 2023
- Environmental Assessment Report - Present – submitted to Dmre 14 April 2023
- Incidents/Accidents Register - Present
- Complaints Register - Present
- Environmental Awareness Training - Present as part of the EMPR
- Proof of Waste Disposal
  - General Waste - To date very little waste
  - Hazardous Waste - Proof will be filed once registered hazardous waste handler is appointed. - Used Oil
  - Liquid Waste - Currently N/A
- Hazardous Substances Inventory - Present
- Material Safety Data Sheets - Present
- Plant relocation and transport permit The existing tailings at Norrabees 1 will be adequate to support the proposed operation for a 6+ month period. Prior to opening of new area for which blasting and extraction of in-situ material from the mining areas will become necessary. A plant permit will be applied for. A plant permit is only valid for one year.

### **POSITIVE FINDINGS:**

- Access controlled area.
- After heavy rainfall the direct access route to site was well kept.
- Drip trays present under all stationary vehicles
- Diesel bowser/nozzle fitted with a drum to collect spills.
- At the time of inspection used oil was stored in drums and placed in a steel designated oil storage trailer.
- Lockable entrance gate, guard with sign in register controls access and prevent unauthorised entry 24/7hrs per day
- Clear areas established for, parking.
- Site file is now available at site office and can be viewed on request.

### **MATTERS TO BE ADDRESSED:**

- Allocate a salvage yard
- Place a 30m buffer around feature 3.
- Feature 2 is being used as the platform for the sorting plant. (requested HIA specialist input on way forward)
- Feature 1, adit covered with tailings. (requested HIA specialist input on way forward)
- Move two toilets to screening area closer to workers.
- Place clear boundary markers where possible.
- Prior to more employees ensure sufficient general waste receptacles.



## ENVIRONMENTAL PERFORMANCE ASSESSMENTSTEINKOPF MINE

### **ABILITY OF EMPR TO ADEQUATELY MANAGE OR MITIGATE ENVIRONMENTAL IMPACTS (APPENDIX 7 SUB-REGULATION 3(E)):**

It is believed that the EMPR adequately manage and/or mitigate environmental impacts at the mining area

### **NEED FOR AMENDMENT OF THE EMPR:**

No need for the amendment of the EMPR could be identified during the site assessment. The EMPR still adequately addressed the impacts that the mining activities could have on the receiving environment.

### **FINANCIAL PROVISION:**

The financial provision to be provided to the Department of Mineral Resources and Energy by Namli Exploration and Mining (Pty) Ltd to cover the financial provision amount for 2023 was calculated to be R 277 840,89.

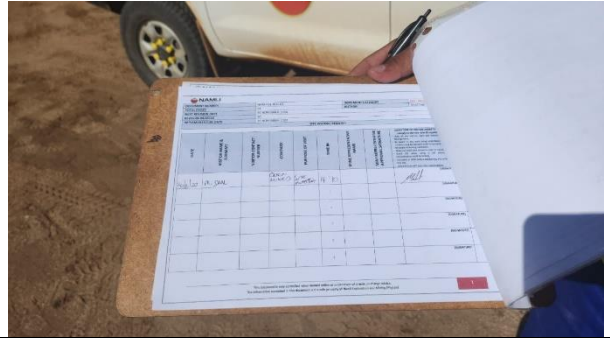
The 2023 financial provision does not exceed the value of the financial guarantee of R496 729.77 in place with the DMRE.

### **ECO SIGNATURE**

<b>NAME:</b>	<b>SIGNATURE:</b>	<b>DATE:</b>
Murchellin Saal		6 July 2023

**PHOTOGRAPHS**

**MINE ENTRANCE, ACCESS ROAD AND SIGNAGE BOARDS**



**OFFICE AREA AND ABLUTON FACILITIES**



**MACHINERY PARKING AREA WITH DRIP TRAYS**



**HAZARDOUS MANAGEMENT :  
FORMALISED BUND AREA, OIL DRUMS STORED IN DESIGNATED TRALER, OIL SPILL KIT AND  
GENERATOR CONTROLE UNIT**



**PROCESSING AND STOCKPILE AREA**



**STOCKPILE AREA - MARKETABLE PRODUCT**



**CURRENT MINE AREA – REMOVING WASTE PRODUCT (PERIOD OF 6+ MONTHS)**



Both Norrabees 1 and 2 have extensive excavations that were historically mined. Current activities include removal of existing tailings at Norrabees 1. The operation is estimated for a 6-month period, after which blasting and extraction of in-situ material from the mining areas will become necessary. Such in-situ reserves from the Norrabees 1 and 2 mining pits is expected to adequately support the operation for an additional 18 months.

**NORRABEES AREA 2- INACTIVE**





**HIA FEATURES  
FEATURE 3 – STILL INTACT 30M BUFFER TO BE PLACED**



**FEATURE 1 – FOUND TO BE COVERED BY TAILINGS**



Feature 1 : adit (prior to mining)



Feature 1 covered with tailings

**FEATURE 2 – FOUND TO BE COVERED BY TAILINGS**



Feature 2- prior to mining



Feature 2 – used as platform for sorting plant

**PROOF OF RECEIPT OF SITE FILE I.E EMPR, EA AND ALL RELEVANT DOCUMENTS**



DMRE Reference No: NC 30/5/1/3/2/10950 MP

31 March 2023

Attention: Site Manager - Steinkopf

Dear Mrs Karsten

ACKNOWLEDGEMENT OF RECEIPT OF SITE FILE FOR MINING PERMIT NC 30/5/1/3/2/10950 MP. ON A PORTION OF THE FARM STEINKOPF NO 22, NAMA KHOI MUNICIPAL AREA, NORTHERN CAPE PROVINCE.

Received by Y. Dippenaar

Date 31 March 2023

Signature [Handwritten Signature]

## MINING PERMIT - ISSUED 27 OCTOBER 2022



**mineral resources & energy**

Department:  
Mineral Resources and Energy  
REPUBLIC OF SOUTH AFRICA

DMRE 98

**MINING PERMIT**

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



Permit No.  Region   
Office reference

Permission is hereby granted under and subject to the provisions of the Mineral and Petroleum Resources Development Act,

2002 to (full name)

Identity number in case of a natural person:

In the case of a person other than a natural person please indicate:

Co  Co  Partnership/Joint venture  Other\*

\* If other, specify

Registration number of Co. or Co.

To mine for (name of mineral)

On (full name of farm and subdivision, registration division and no.)

situated on the magisterial District of Namaqualand

as indicated on the attached plan No.  signed by the Regional Manager on

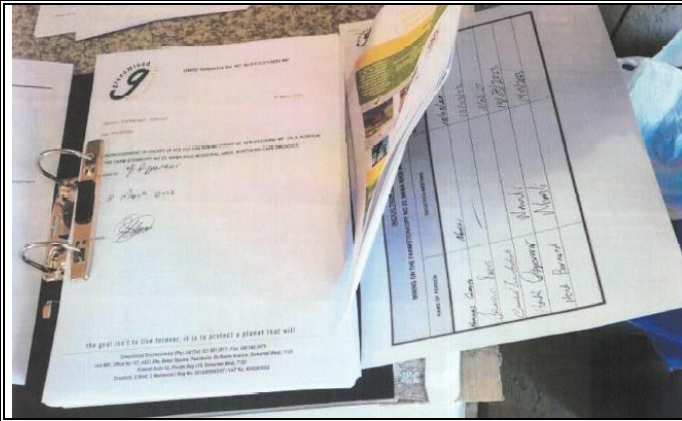
Unless this permit is suspended, cancelled, abandoned or lapses, it shall be valid for a period (not more than two years) which shall extend from the date of issuing to  and may be renewed for three periods each which may not exceed one year.

This permit does not exempt the holder from the requirements of any provision of any other law or from any restrictive provisions or conditions contained in the title deed of the land concerned, nor does it encroach upon the rights of any person who may have an interest in the land concerned.

Signed at  this  day of  2022

MINISTER OF MINERAL RESOURCES

## INDUCTION REGISTER



MINING ON THE FARM: STEINKOPF NO 22, NAMA KOOI MUNICIPAL AREA, NORTHERN CAPE PROVINCE		
NAME OF PERSON	INDUCTION MEETING	DATE OF MEETING
Thomas Gosa	None	
Leano Botes		18/10/2022
Carole Louw		18/10/2022
Hank Obermeyer	None	
Hank Brand	None	19/10/2022
	None	19/10/2022

# PROOF OF REQUEST FOR WATER FROM HENKIES PUMP STATION

Dlo<sup>2</sup> (PTY)LTD  
77 Panorama Park Tielman Roos St  
Bloemfontein  
9301

# Dlo<sup>2</sup>

Media | Communication | Journalism | Radio Training | Social Media

Geagte lede van diep Steinkopf Meentkomitee

Die maatskappy SPH Kundalla (Pty) Ltd het vanjaar met 'n myn projek in die Steinkopf munisipale gebied begin. Die toevoer van water (wat baie belangrik is vir mynbou-bedrywighede) was egter tot onlangs 'n probleem.

Na weke van onderhandeling met Bloemwateraad – wat verantwoordelik is vir die verskaffing van water na dié gebied, het die maatskappy toestemming verkry om gebruik te maak van die afval water wat in verskeie damme in die gebied opgegaar word.

Dié water word meestal deur boere in die omgewing – langs die afvoerstelsel vanaf Doringwater – gebruik. Die maatskappy wil hierby die boere inlig van voorgenemde waterverbruik.

Ons plaaslike ondersoek het ook getoon dat boere op die oomblik water vervoer tussen die afvoerdamme en hulle plase/veeoste. Ons wil dus graag hiermee – as deel van ons bydrae tot die gemeenskap, veral die boere-gemeenskap – aanbied dat die myn plase/veeoste op ons roete tussen Doringwater en die myn, boere help met watervoorsien deur hulle tenke op te vul.

Hoop u vind die voorstel goedgunstelik. Enige verdere kommunikasie of navrae kan gerig word aan Cathy Dlodlo by [cathy@medfm.co.za](mailto:cathy@medfm.co.za) of 071 2671718

Vriendelike groete.



Mobile Contact Details :

+27 61 861 1912 ( Managing Director: Ralph J Dlodlo )  
+27 71 267 17 18 ( CEO Media and Marketing: Cathy Drage-Dlodlo)

1

Dlo<sup>2</sup> (PTY)LTD  
77 Panorama Park Tielman Roos St  
Bloemfontein  
9301

# Dlo<sup>2</sup>

Media | Communication | Journalism | Radio Training | Social Media

Geagte lede van Steinkopf Meentkomitee

SPH Kundalla (Pty) Ltd wil graag hiermee 'n volledige uiteensetting van die ooreenkoms met Bloemwateraad aan die meentkomitee verskaf om sodoende lig te werp op enige vrae van die boere-gemeenskap in die gebied.

Ons gaan slegs 'n maksimum van 150 kiloliters water per maand benodig. 'n Ondersoek het getoon dat die twee damme wat die afvoerwater vanaf Doringwater-pompstasie opgaar, se kapasiteit genoeg is om in die myn en die boere-gemeenskap se behoeftes te voorsien.

Hierdie ooreenkoms maak dit moontlik dat daar nie 'n aansluiting van die hoë-druk pyplyn vir die verskaffing van water na die myn hoof plaas te vind nie. Die water gaan meestal gebruik word om die 1 hektaar grond nat te maak om stofwolke te voorkom en vir die sproei-estel vir mis vir ons mynwerkers.

Die water van die afvoerdamme gaan nie as drinkwater gebruik word nie, aangesien die myn reeds 'n ooreenkoms met 'n verskaffer het hiervoor.

Hoop die komitee vind dit in orde.

Enige verdere kommunikasie of navrae kan gerig word aan Cathy Dlodlo by [cathy@medfm.co.za](mailto:cathy@medfm.co.za) of 071 2671718

Vriendelike groete.



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1

PROOF OF REGISTERED HAZARDOUS  
REMOVAL COMPANY

PROOF OF APPOINTMENT OF OCCUPATIONAL  
HYGENIST



# CERTIFICATE OF REGISTRATION



This is to certify that:

## OIL TECHNOLOGY NAMIBIA CC

P.O. BOX 90398 WINDHOEK  
WINDHOEK, NAMIBIA

The management system of the above organization has been assessed and found to comply with the requirements of the management system standards detailed below

STANDARD

### ISO 9001:2015 Quality Management System

#### Certification Scope

Selling and Blending of Fuel Oil Manufactured from Collected Used Oils and Related Products and the Provision of Other Related Services such as Recycling of Oil Filters, Cleaning of Separator Pits and Land-Based Oil Spill Clean Ups

#### Certification Calendar

Certificate Number	Date of Expiry/Issue	Notes
IAS22179428	20-Nov-2023	**Validity of this certificate is subject to successful and timely completion of the annual surveillance audit.
Client ID	Valid From	Next Certification cycle expiry date of this certificate is - 21-Nov-2025.
021191	20-Nov-2022	Next Surveillance (S1) will be due in the month of 03-2023 and Surveillance (S2) will be due in the month of 07-2023.
Revision No.	Number	
01	21-Nov-2022	

\*\*The certificate holder's property of SAGACI will have to be re-assessed when it has obtained its next, or subsequent, system certification. Should this certificate not be renewed at the official website of certification, then compliance is void.

*A.C. Jansen*  
Authorized Signatory



SAGACI CERTIFICATIONS PRIVATE LIMITED

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Mr. Stuart Fernandez  
Enviroform Occupational Hygienist & Consultants  
98A Buffelsdaarn Avenue  
Flamwood  
Klerksdorp  
2572

Sir,

In recognition of, and in accordance with the provisions of Schedule 4 to the Mine Health and Safety Act no. 29 of 1996

APPOINTMENT AS PART TIME OCCUPATIONAL HYGIENIST OF NAMLI EXPLORATION AND MINING (PTY) LTD IN TERMS OF SECTION 12(1) OF THE MINE HEALTH AND SAFETY ACT, 29 OF 1996, READ WITH SECTION 7(4)

In terms of Section 12(1), read together with Section 7.4 of the Mine Health and Safety Act, 29 of 1996, and the powers vested in me to appoint persons, you are hereby appointed as Part Time Occupational Hygienist for Namli Exploration and Mining (Pty) Ltd - Norrabees Mine - Ref No: NC30/5/3/10950MP to assist me in the discharge of my duties and functions in terms of the mine legislation and to be responsible for delegated duties and functions within your area of responsibility.

You are hereby referred to the addendum attached to this appointment insofar as it describes your area of responsibility. You are to ensure that you are familiar with the area of responsibility, and understand and agree with the boundaries of your area of responsibility.

Your appointment will be with effect from the date of your signed acceptance until this appointment is cancelled or superseded by a new appointment.

In terms of Section 12(1) of the Mine Health and Safety Act, 29 of 1996, you must take all reasonable measures to ensure compliance with the legal requirements and provisions pertaining to Hygiene. You are hereby referred to the addendum attached to this appointment insofar as it describes the functions and provisions assigned to you. Note that the addendum is illustrative, and highlights some areas for attention, but is not exhaustive in terms of your legal responsibilities under the legislation.

Your attention is specifically directed to the Regulations as set out in the addendum attached to this appointment.

You are to report to me without undue delay any situation in conflict with the Act and with which you cannot properly deal.

You must take reasonable measures to ensure that the functions entrusted to you complied with in accordance with the provisions of the Act, and you are to report to me without delay any situation in conflict with the Act and with which you cannot properly deal.

Instructions and procedures are from time to time issued by the employer and / or representative and it will be your responsibility to ensure the implementation and adherence to these instructions and procedures at the Mine.

Namli Exploration and Mining (Pty) Ltd  
Building 1 Highgate Office Park, 30 Tegel Avenue - Highgate, Capetown, 7709

+27 (0) 21 527 5220  
Co. Reg. No. 2017/49087/ET

END