



## REPUBLIC OF NAMIBIA

# ENVIRONMENTAL QUESTIONNAIRE FOR MINING CLAIMS IN NAMIBIA

## BEING APPENDIX A TO THE ENVIRONMENTAL CONTRACT

### 1. BACKGROUND INFORMATION

- 1.1 Companies/Natural persons applying for **MINING CLAIMS** must complete this questionnaire. (Please fill in ALL questions).
- 1.2 The answers provided in this questionnaire shall be regarded as commitments which will become part of the **Environmental Contract** between the Holder and the Government of the Republic of Namibia, duly represented by the Ministry of Environment Forestry and Tourism (MEFT) and the Ministry of Mines and Energy (MME).
- 1.3 Once the Holder has completed this questionnaire MEFT and MME will either accept/reject/request further information regarding the environmental commitments made therein. MEFT and MME reserve the right to add further conditions.
- 1.4 Once agreed to by all parties concerned, the completed questionnaire shall form part of the **Environmental Contract**.
- 1.5 **Please attach a map of the mining claim area and a copy of the application to register mining claims.**

### 2. Holder details

2.1 Name of Holder	<i>Mr. Tjiuee Kaevatere Kaura</i>
2.3 Telephone, Fax, Cell Phone and/or E-Mail	<i>Tel: N/A Fax: N/A Cell phone: +264 81 66 22 549</i>
2.4 Postal Address  Residential/Registered Address	<i>P. O. Box. 4571 Vineta, Swakopmund  Residential Address: 4281, Extension 10, NHE, Swakopmund</i>
2.5 Reference Number	<i>NEPL No: 9897 Expiry: 05 November 2024</i>
2.6 Registered Number(s)	<i>Mining claims number: 74840 and 74841</i>
2.7 Location (Farm, District, Region) of mining claim(s)	<i>Farm Vergenoeg No: 92, about 33 km North-East of Arandis town, in the Arandis Constituency, Erongo Region.</i>
2.8 Group(s) of Mineral(s) to be mined	<i>Semi-precious stones.</i>

Number of people	Where will they live?.
	<i>10 people who will camp at the farm.</i>

### 3. Environmental commitments

#### 3.1 Pollution and Waste

3.1.1 What will you do with **normal litter** (e.g. Kitchen spoils, cans, bottles, paper, etc.)?

- *Normal litter (solid waste) will be will be segregated.*
- *The recyclable materials will be distributed to the recycling companies in the region.*
- *Arrangement will be made for non-recyclable materials will be disposed off at a safe designated municipal site in Arandis or Usakos on a weekly basis.*
- *Sewage will be taken care off through the already established Farm. Additional mobile toilets will be made available on site.*

3.1.2 What **industrial waste** will be generated and what will you do with it (e.g. old machinery, vehicles, building rubble, batteries, paint, thinners, vehicle oil, etc.)?

- *Minimum industrial waste will be generated due to traditional/manual dominated operation even though some mid-sized machinery may be used.*
- *Regular services of machinery including vehicles will be prioritized.*
- *In case of such waste being generated, arrangement will be made to dispose them at the designated sites in the nearby towns in consultation with the municipalities and individuals in the recyclable industry of such materials.*

3.1.3 Describe what type of **toilet facilities** will be provided.

- *The Farm has already established toilets where workers will camp. However, additional mobile toilets will be made available on site*

#### 3.2 Vehicle, earthmoving equipment, drilling and blasting

3.2.1 List the type and quantity of vehicles, earthmoving equipment, drilling equipment, and other machinery likely to be used on your mining claim (e.g. 2 x bakkies; 1 x bulldozer, etc.)

##### Vehicles:

- *1 x bakkie ,*
- *1 12 tonnage truck*

##### Earthmoving equipment:

- *Backhoe also referred to rear actor or back actor*

##### Drilling equipment:

- *Pickaxes, shovels, and jack hammers, hammers*

3.2.2 Describe the environmental damage that is likely to result from the use of vehicles and machinery within the mining claim area (e.g. on the landscape in general, soil, vegetation, noise, dust, etc

*Mining activities may results in the following waste generations and impacts:*

- *Surface materials removed to access the semi-precious stones, which may contain soil, rocks, and other non-valuable materials.*
- *Residues or waste material left after the semi-precious materials has been extracted, which may contain fine particles of other minerals and materials.*

- *Dust, noise and gaseous emissions.*
- *Alteration of the landscape due to mining activities such top soil removal.*
  - *Impact on vegetation will be none to extremely low due to lack of abundant and diversity of vegetation on the farm. No mining will be carried in the riverbeds.*
- *Increased water use due to the number of employees.*
- *Minimal impact on reptiles and birds.*

3.2.3 How will you control the movement of **vehicles and machinery** in order to minimise environmental damage?

- *Mitigation measures for waste from semi-precious stone mining include stockpiling and reusing surface materials for land rehabilitation.*
- *Dust control will be achieved through:*
  - *Scheduling of mining activities to minimize dusty operations during high-wind periods.*
  - *Use of windbreaks, such as fences/nets, to minimize the spread of dust at work area.*
- *Sound control will be achieved through:*
  - *Use of low-emission mining equipment and machinery.*
  - *Regularly maintain and service equipment to ensure optimal performance and noise reduction.*
  - *Provide appropriate hearing protection, such as earplugs or earmuffs, to mine workers exposed to high noise levels.*
- *Alteration of the landscape will be mitigated by:*
  - *Ensuring that top soil is carefully removed and kept at a designated area for rehabilitation after mining (Backfilling).*
  - *Ensuring that disturbed areas are properly graded, stabilized, and protected against erosion to facilitate successful land recovery.*
- *Impact on reptiles will be mitigated by:*
  - *Fencing off sensitive working area with nets where necessary.*
  - *Document the presence of endangered species and incidents of human animal interaction during operation.*
  - *Move from area with high incidents of human animal interaction.*
- *Increased water use due to the number of employees will be controlled by:*
  - *Educating employees about the importance of water conservation and provide guidelines for responsible water use.*

3.2.4 Which routes will be used by vehicles to get to your mining claim and state whether you intend making new roads or tracks (both to your mining claim and within your mining claim)?

- *The mining claims are located about 2km from the main road.*
- *No new roads will be constructed.*
- *Old tracks/routes existing in the claim area will be used.*

3.2.5 Will you do any blasting on your mining claim?

Yes: \_\_\_\_\_

No: -----

Unsure: \_\_\_\_\_

3.2.6 If “yes” above, explain how you intend minimising environmental impacts, including the safety of humans, livestock and wildlife?

### 3.3 Water

3.3.1 How much water do you intend using for various activities (e.g. human use, washing of equipment, washing sand/stones, dust control, gardens, etc.) and state how you intend saving water within each category of use.

Activity or category of use	Quantity of water needed per month (litres)	Water saving methods
<i>Human use</i>	<i>5 000</i>	<ul style="list-style-type: none"> <li>○ <i>Educate employees about the importance of water conservation and provide guidelines for responsible water use.</i></li> <li>○ <i>Regular maintenance of water supply facility (fix leaks).</i></li> <li>○ <i>Turn off the tap while soaping.</i></li> <li>○ <i>Cook together as a group.</i></li> <li>○ <i>Wash clothes in bulks, together as a group.</i></li> </ul>
<i>Washing of equipment (this is expected to be minimal due to type of equipment that will be used)</i>	<i>500</i>	<ul style="list-style-type: none"> <li>○ <i>Wash equipment only when necessary.</i></li> <li>○ <i>Schedule washing of equipment.</i></li> </ul>
<i>Washing sand/stones</i>	<i>N/A</i>	
<i>Dust control</i>	<i>N/A</i>	
<i>Gardens</i>	<i>N/A</i>	
<i>Others use</i>	<i>Minimal/not foreseen</i>	<ul style="list-style-type: none"> <li>○ <i>Educate employees about the importance of water conservation and provide guidelines for responsible water use.</i></li> </ul>

3.3.2 Where will you get your water (e.g. river, own borehole, Water Affairs connection, etc.)?

- *Existing Borehole*

3.3.3 Explain how you will minimise or completely avoid polluting any water source, including underground water.

- *Dispose waste at designated safe site.*
- *Train employees on proper handling and storage of hazardous materials and establish protocols for immediate spill response and cleanup.*
- *Monitor groundwater quality from surrounding boreholes to detect possible contamination.*

### 3.4 Relations with neighbouring communities and/or the general public

3.4.1 Are there any people living in or near your mining claim?

Yes:  \_\_\_\_\_

No: \_\_\_\_\_

Unsure: \_\_\_\_\_

3.4.2 If “yes”, explain where these people live and describe their economic activities.

- *On the farm*

3.4.3 If “yes” in 3.4.1, explain what you will do to maintain a good relationship with such people.

- *Consent letter was obtained from the owners. But relationship will be maintained through regular reporting of the progress of the project. Their inputs will also be considered to mitigate any impacts that may be caused.*

3.4.4 Will the activities on your mining claim restrict the movement of other people in the area (e.g. the general public, tourists, farmers, local people, etc.)?

3.4.5 If “yes” for 3.4.4, please explain why their movements or access will be restricted.

### 3.5 Protection of plants and wildlife

3.5.1 How will you ensure that your activities will not cause unnecessary damage to **plants and wildlife** in or near your mining claim) e.g. hunting, plant collecting, fishing, etc.)

- *The abundance and diversity of wildlife is very low in the area due to poor rainfall and vegetation. Most of the vegetation in the area is in the dry riverbeds (see the locality map), However the following measures will be put in place:*
  - *No mining will be carried in the riverbeds.*
  - *Continuous monitoring of presence of wildlife.*
  - *Fencing off sensitive working area with nets where necessary.*
  - *Document the presence of endangered species and incidents of human animal interaction during operation.*
  - *Move from area with high incidents of human animal interaction.*

### 3.6 Historical, archaeological and cultural heritage (e.g. rock art, graves, monuments, fossils, sacred sites, historical buildings, etc.)

3.6.1 Are there any historical, archaeological or culturally important sites within your mining claim area?

Yes: \_\_\_\_\_ No:  \_\_\_\_\_ Unsure: \_\_\_\_\_

3.6.2 If “yes”, please describe briefly.

3.6.3 If such sites are known, how will you avoid damaging them?

3.6.4 If such sites are discovered after you have started working your mining claim, would you accept new conditions to this contract so that they can be properly protected?

Yes:  \_\_\_\_\_ No: \_\_\_\_\_ Unsure: \_\_\_\_\_

### 3.7 Rehabilitation

3.7.1 When will you rehabilitate the environmental damage done during prospecting? (Tick the appropriate box)

- *Rehabilitation efforts will be done continuously (backfilling of trenches with the removed top soil). After the completion of the project. The area will be levelled and graded.*

3.7.2 Describe the programme of mining from the start and the methods to rehabilitate damage.

- *A combination of traditional methods and low-cost, efficient technologies will be employed to mine the semi-precious stones. The operation will focus on surface and near-surface deposits, where manual digging and simple tools like pickaxes, shovels, and jack hammers will be used to extract stones from the ground to ensure that the extraction process remains low-impact and environmentally sustainable.*
- *Mid-sized machinery for excavation, such as backhoes to efficiently remove overburden and access gemstone-bearing deposits to increase productivity without requiring heavy machinery. Additionally, local knowledge and small-scale geological surveys can guide exploration efforts, minimizing the need for expensive equipment while maximizing the discovery of valuable deposits. Training and safety measures will be prioritised to enhance the efficiency and well-being of workers, ensuring that the operation is both sustainable and beneficial to the local community.*
- *Backfilling of trenches will be carried immediately after completion of mining of a specific area. This will avoid costly delays in rehabilitation of the entire area. After The completion of mining activities, land will be levelled. All waste materials will be removed and deposited at designated safe sites in the region.*

#### 4. Existing Damage

Describe what environmental damage exists in your mining claim area now, in other words, damage caused by someone else before you began working on the mining claim. Where possible, provide evidence such as photos, statements, etc.

- *Currently there is no mining activity going on.*

I hereby declare that the information provided in this questionnaire, is to the best of my knowledge, accurate and correct, and that I'm prepared to keep to the commitments stated therein.



\_\_\_\_\_  
Mining Claim Holder

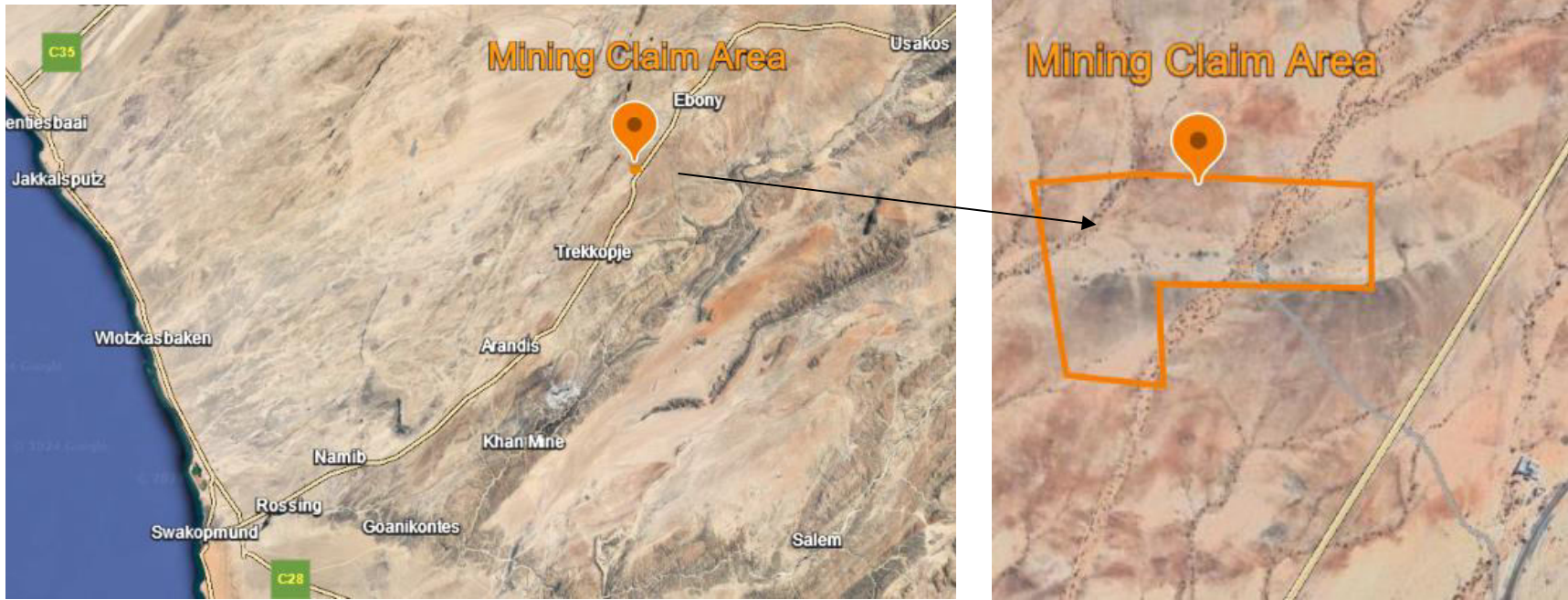
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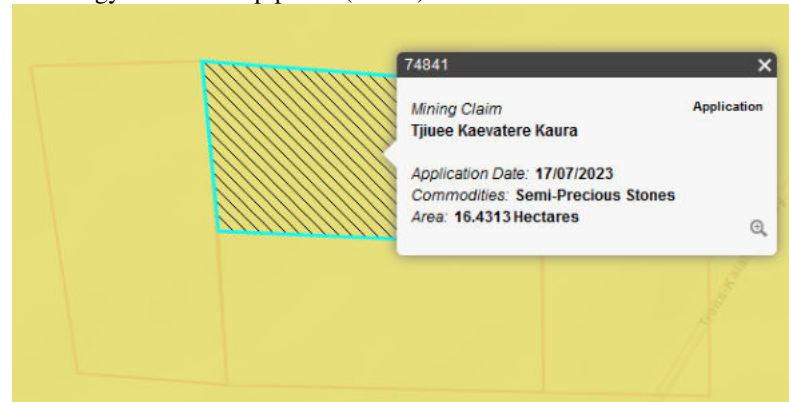
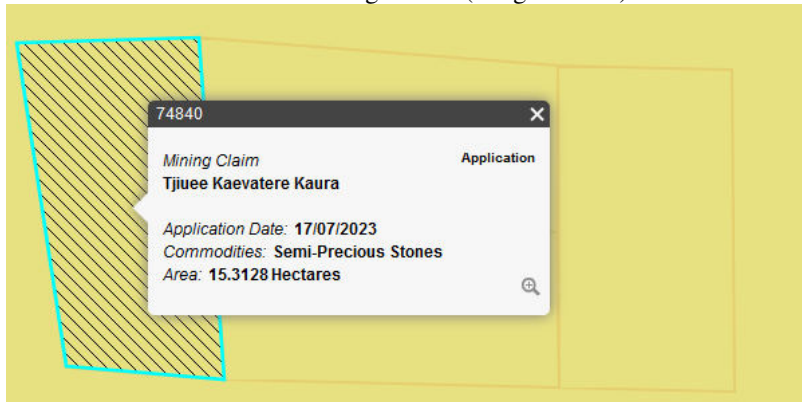
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24/08/2024

Date

### Map of the mining claim area (No.: 74840 and 74841)



Source: Google earth (images above) and Namibia mines and energy cadastre map portal (below)



### Geographical Cordinates of the Mining Claim Area

<i>Latitude (South)</i>	<i>Longitude (East)</i>
22°10' 26''	15°09' 47''
22°10' 44''	15°09' 49''
22°10' 43''	15°09' 40''
22°10' 26''	15°09' 37''
22°10' 26''	15°09' 47''
22°10' 27''	15°10' 08''
22°10' 36''	15°10' 08''
22°10' 35''	15°09' 48''
22°10' 26''	15°09' 47''