

COPY

REPUBLIC OF NAMIBIA

ENVIRONMENTAL MANAGEMENT ACT, 2007 (Section 32)

APPLICATION FOR ENVIRONMENTAL CLEARANCE CERTIFICATE  
PROJECT REGISTRATION



PART A: DETAILS OF APPLICANT

1. Name: (person or business):

Craton Mining and Exploration (Pty) Ltd

2. Business Registration / Identity No.:

Craton Mining and Exploration (Pty) Ltd:2006/713  
Environmental Compliance Consultancy: CC/2013/11404

3. Correspondence Address:

Technical contact person: Mr. Mike Stuart  
+264816334908  
P O Box 90128  
Windhoek

[mikestuart@gmail.com](mailto:mikestuart@gmail.com)

4. Name of Contact Person:

Mr. Stephan Bezuidenhout

5. Position of Contact Person:

Principal Environmental Practitioner

6. Telephone No.:

+264 81 669 7608

7. Fax Number:

NA

8. E-mail Address: (if any)

[info@eccenvironmental.com](mailto:info@eccenvironmental.com)



COPY

**PART B: SCOPE OF THE ENVIRONMENTAL CLEARANCE CERTIFICATE**

**1. The environmental clearance certificate is for**

The proposed Omitiomire Copper Mining Project on ML197, within the Khomas Region, Namibia.

Listed activities triggered by the project include:

LISTED ACTIVITY	EIA SCREENING FINDING
<p><b>ENERGY GENERATION, TRANSMISSION AND STORAGE ACTIVITIES</b> The construction of facilities for:</p> <p>(1a) The generation of electricity.</p> <p>(1b) The transmission and supply of electricity.</p>	<ul style="list-style-type: none"> <li>• The Omitiomire Copper Mining Project will need to generate and or transmit electricity for its operations.</li> <li>• It is very likely that the proposed Project will connect to the national power grid supplied by NamPower.</li> <li>• Alternatively, the Proponent may possibly consider developing a renewable energy plant (i.e. solar) for the generation of supplementary power.</li> </ul>
<p><b>WASTE MANAGEMENT, TREATMENT, HANDLING AND DISPOSAL ACTIVITIES</b></p> <p>(2.1) The construction of facilities for waste sites, treatment of waste and disposal of waste.</p> <p>(2.2) Any activity entailing a scheduled process referred to in the Atmospheric Pollution Prevention Ordinance, 1976.</p> <p>(2.3) The import, processing, use and recycling, temporary storage, transit or export of waste.</p>	<ul style="list-style-type: none"> <li>• Facilities for the disposal of mine and domestic waste will need to be constructed.</li> <li>• In terms of the Atmospheric Pollution Prevention Ordinance, the bulk storage and handling of mineralised or metallic ore on waste dumps designed to hold 100 000 metric tonnes or more, is defined as a scheduled process.</li> </ul>
<p><b>MINING AND QUARRYING ACTIVITIES</b></p> <p>(3.1) The construction of facilities for any process or activities which requires a licence, right or other form of authorisation, and the renewal of a licence, right or other form of authorisation, in terms of the Minerals (Prospecting and Mining Act), 1992.</p> <p>(3.2) Other forms of mining or extraction of any natural resources whether regulated by law or not.</p> <p>(3.3) Resource extraction, manipulation, conservation, and related activities</p>	<ul style="list-style-type: none"> <li>• This listed activity infers the provisions of the Minerals (Prospecting and Mining) Act 33 of 1992. The very nature of the Project is mining, which therefore triggers this listed activity.</li> </ul>
<p><b>FORESTRY ACTIVITIES</b></p> <p>(4.) The clearance of forest areas, deforestation, afforestation, timber harvesting or any other related activity that requires authorisation in term of the Forest Act, 2001 (Act No. 12 of 2001) or any other law.</p>	<ul style="list-style-type: none"> <li>• Vegetation clearing will be required for site construction and infrastructure establishment.</li> <li>• During operations, vegetation clearing will be required as the Project develops. The necessary permits will be acquired as needed.</li> </ul>
<p><b>HAZARDOUS SUBSTANCE TREATMENT, HANDLING AND STORAGE</b></p> <p>(9.2) Any process or activity which requires a permit, licence or other form of authorisation, or the modification of or changes to existing facilities for any process or activity which requires an amendment of an existing permit, licence or authorisation or which requires a new permit, licence or authorisation in terms of a law governing</p>	<ul style="list-style-type: none"> <li>• The Project may make use of portable toilets, chemical toilets, as well as septic/conservancy tanks will be used during the pre-mining activities. Permanent sewage waste treatment systems and handling facilities will be constructed on-site for use during the operational phase of the Project.</li> </ul>

LISTED ACTIVITY	EIA SCREENING FINDING
the generation or release of emissions, pollution, effluent or waste.	
<p><b>WATER RESOURCE DEVELOPMENT</b></p> <p>(8.1) The abstraction of ground or surface water for industrial or commercial purposes.</p> <p>(8.2) The abstraction of groundwater at a volume exceeding the threshold authorised in terms of the law relating to water resources.</p> <p>(8.4) Construction of canals and channels, including the diversion of the normal flow of water in a riverbed, and water transfer schemes between water catchments and impoundments.</p> <p>(8.5) Construction of dams, reservoirs, levees, and weirs.</p> <p>(8.6) Construction of industrial and domestic wastewater treatment plants and related pipeline systems.</p> <p>(8.8) Construction and other activities in watercourses within flood lines.</p> <p>(8.9) Construction and other activities within a catchment area.</p>	<ul style="list-style-type: none"> <li>• Ground and surface water may be abstracted during construction.</li> <li>• Dewatering the pit may be required to ensure safe mining operations.</li> <li>• Water supply may be derived from the Otavi mountainland via the NamWater canal system and pumped to site at approximately 400m<sup>3</sup>/h.</li> <li>• Diversion of the Black Nossob River away from the mine infrastructure and the open pit area.</li> </ul>
<p><b>HAZARDOUS SUBSTANCE TREATMENT, HANDLING AND STORAGE</b></p> <p>(9.1) The manufacturing, storage, handling or processing of a hazardous substance is defined in the Hazardous Substances Ordinance, 1974.</p> <p>(9.2) Any process or activity which requires a permit, licence or other forms of authorization, or the modification of or changes to existing facilities for any process or activity which requires amendment of an existing permit, licence or authorization or which requires a new permit, licence or authorization in terms of a governing the generation or release of emissions, pollution, effluent or waste.</p> <p>(9.4) The storage and handling of dangerous goods, including petrol, diesel, liquid petroleum gas or paraffin, in containers with a combined capacity of more than 30 cubic meters at any one location.</p>	<ul style="list-style-type: none"> <li>• The proposed mining operations and process method triggers this activity, as both fuel and hazardous substances are required for mining and processing activities.</li> <li>• Bulk fuel may be required for onsite generation of electricity and for refuelling the mining fleet.</li> <li>• Consumer installation certificates are required for bulk fuel storage and dispensing.</li> <li>• Hazardous reagents will be used within the copper extraction and processing plant.</li> </ul>
<p><b>INFRASTRUCTURE</b></p> <p>10.1 The construction of:</p> <p>(j) masts of any material or type, and of any height, including those used for telecommunication broadcasting and radio transmission.</p>	<ul style="list-style-type: none"> <li>• Powerlines and telemetry for water and tailings pumping will be required.</li> </ul>

**Details of the activity(s) covered by the environmental clearance certificate:**

**Title of activity:** The proposed Omitiomire Copper Mine on ML197, within the Khomas Region, Namibia.

**Nature of activity:**

Craton Mining and Exploration (Pty) Ltd holds a mining licence (ML 197) over farm Omitiomire, located 140km northeast of Windhoek (by road) and approximately 39km south of Hochfeld, in the Khomas Region of Namibia. Craton Mining and Exploration (Pty) Ltd proposes to construct and operate an opencast copper mine on ML 197.

**Scale and scope of activity:**

The proposed mine will include one opencast pit, an ore processing plant, heap leach pads, waste rock dumps, leached ore deposition facility, workshops, water management infrastructure and related support services and facilities. The depth of the pit will be approximately 250m deep (width and depth to be confirmed) from the surface. The mining operation is expected to produce an estimated amount of 100Mt of ore processed into pure copper cathode. There is also a proposed plan for the diversion of the M53 road and the Black Nossob River around the southern tip of the open pit area.

In broad terms the mine and related infrastructure will comprise of the following:

- Workshops;
- Open pit mining;
- Heap leach;
- Waste rock dump (WRD);
- Leached ore deposition facility;
- Water management infrastructure;
- Support services and facilities (offices, communications structures etc.);
- A contractor and mine employee accommodation with a canteen and recreation facilities; and
- Fencing around the entire site, and security fencing around the mine and plant, and village.

The open-pit will be mined with a conventional drill, blast, load and haul mining configuration. Ore will be transported to the heap leach pad by haul truck and waste rock to the waste rock dumps.

The treatment plant comprises of the following processing steps: Two-stage crushing and screening, agglomeration and stacking on the heaps, leaching, solvent extraction and electrowinning (SXEW) to produce pure copper cathode.

The mined ore will be crushed agglomerated and stacked on an impermeable plastic and clay lined leach pad, where it will be irrigated with a leach solution to dissolve the copper metals. The solution will then percolate through the heap. The leach solution containing the dissolved copper will then be collected and treated in the process plant to recover the copper via SXEW.

The project location is shown in Figure 1.

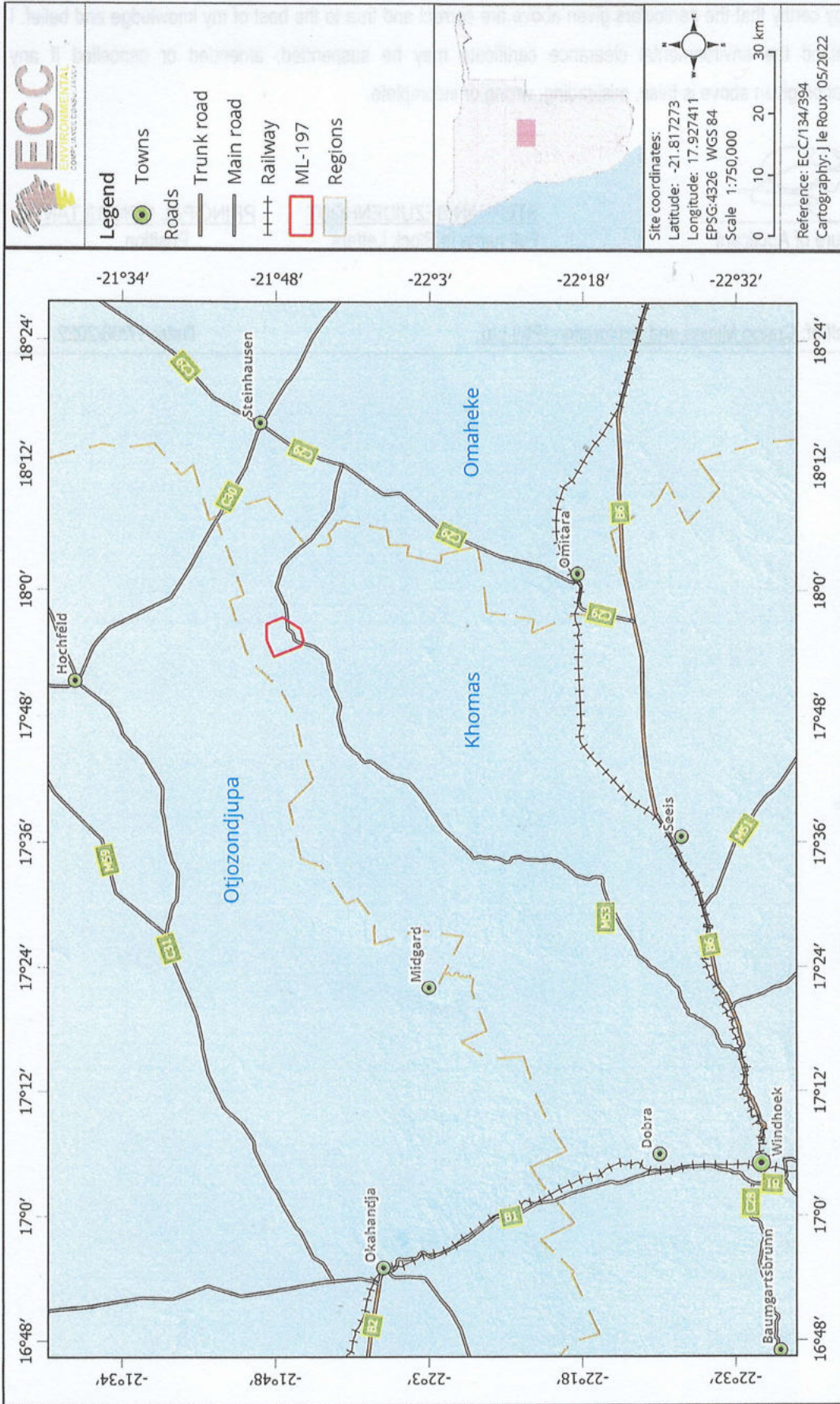


Figure 1 – Location of the proposed omiitimire copper mining project on ML 179, Khomas region, Namibia

**PART C: DECLARATION BY APPLICANT**

I hereby certify that the particulars given above are correct and true to the best of my knowledge and belief. I understand the environmental clearance certificate may be suspended, amended or cancelled if any information given above is false, misleading, wrong or incomplete.



Signature of Applicant

STEPHAN BEZUIDENHOUT

Full name in Block Letters

PRINCIPAL CONSULTANT

Position

On behalf of: Craton Mining and Exploration (Pty) Ltd.

Date: 17/06/2022



**Environmental Compliance Consultancy (Pty) Ltd**  
PO Box 91103 Klein Windhoek Namibia  
info@eccenvironmental.com  
www.eccenvironmental.com  
+264 81 669 7608

COPY



ECC-134-394-LET-15-A

30 May 2023

Ministry of Mines and Energy  
Private Bag 13297  
Windhoek  
Namibia



**FOR ATTENTION:** MME MINING COMMISSIONER – MS ISABELLA CHIRCHIR  
**COPY TO:** MEFT ENVIRONMENTAL COMMISSIONER – MR TIMOTEUS MUFETI

**RE – SUBMISSION OF THE DRAFT SCOPING REPORT AND PRELIMINARY ESMP FOR THE APPLICATION OF THE ENVIRONMENTAL CLEARANCE CERTIFICATE FOR THE PROPOSED MINING ACTIVITIES ON ML 197- OMITIOMORE COPPER PROJECT, KHOMAS REGION, NAMIBIA**

Dear Ms Chirchir,

On behalf of Craton Mining and Exploration (Pty) Ltd, Environmental Compliance Consultancy (Pty) Ltd (ECC) has conducted a scoping report for the proposed mining activities on ML 197 for the Omitiomore Copper Project, Khomas Region, Namibia.

The draft scoping report and preliminary ESMP will be circulated for public review to all I&APs and stakeholders for a period of 14 days from the 30<sup>th</sup> of May to the 13<sup>th</sup> of June 2023 and the hard copies will be submitted to your office on the 30<sup>th</sup> of May 2023.

The submission includes the following documentation:

1. A scoping report
2. Preliminary ESMP (Appendix A)
3. I&AP public consultation document (Appendix B)

Soft copy versions of the documents can be accessed via our website:

<https://eccenvironmental.com/download/the-proposed-omitiomire-copper-mine-on-ml-197/>

Should you require our assistance with the details contained within this letter or report, please do not hesitate to contact us and we will gladly assist. We look forward to hearing from you at your earliest convenience.

Yours sincerely,

**Stephan Bezuidenhout**  
stephan@eccenvironmental.com

**Jessica Bezuidenhout Mooney**  
jessica@eccenvironmental.com

