

Updated Environmental Management Plan (EMP)

The Prospecting and Exploration Activities on EPL-7746 near Helmeringhausen in the //Kharas Region – Application for the Renewal of an Environmental Clearance Certificate (ECC)



ECC Renewal Application No.:

APP-006067

Current ECC No:

ECC No. APP-3485

Current ECC Holder:

Microzone Investment CC

P. O. Box 64 Lüderitz, Namibia

July 2025

Declaration of authorship

APPLICATION NUMBER: 006067

Project Title:

The prospecting and Exploration Activities on EPL-
7746 near Helmeringhausen in the Ilkharas Region
- Application for ECC Renewal

I, Fredrika Shagama (full name of Environmental Assessment Practitioner - EAP) understand and agree that the information I have furnished in this submission will be reviewed by the Office of the Environmental Commissioner (OEC). I accept that the Environmental Commissioner, will hold me accountable in terms of Section 43(1)(b) of the Environmental Management Act, Act No. 7 of 2007 for any inaccurate or misleading information knowingly provided in the following documentation.

Tick the box (es) applicable to your submission:

- Pro Forma Environmental Contract for Mining Claim(s)
- Environmental Questionnaire For Mining
- Scoping report
- Environmental Impact Assessment (EIA)
- Environmental Management Plan (EMP),
- Consent from Relevant Authority

I certify, and, acknowledge that the provision of such information will impede the lawful carrying out of the duties, responsibilities and functions of the Environmental Commissioner. I declare that the information submitted is my own work. All direct or indirect sources used are acknowledged as references.

Consultancy Name: Serja HGE Consultants CC

EAP Signature: Fredrika Shagama


Date: 09/07/2025

NB- To be submitted jointly with Scoping Report, EIA, EMP documents to the Office of the Environmental Commissioner

DOCUMENT INFORMATION

Title: Updated Environmental Management Plan (EMP): The Prospecting and Exploration Activities on EPL-7746 near Helmeringhausen in the //Kharas Region

Prepared by:

Author:	Fredrika N. Shagama (Hydrogeologist & Environmental Consultant)
Qualifications:	<p>PhD. Student: Civil Engineering (Geotechnics & Hydrogeology), VSB - Technical University of Ostrava, Czech Republic</p> <p>Post Graduate Diploma in Environmental Studies, International University of Management (IUM)</p> <p>MSc. Geological Engineering (<i>cum laude</i>) with primary focus in Hydrogeology, VSB - Technical University of Ostrava, Czech Republic</p> <p>BSc. Geological Engineering, VSB - Technical University of Ostrava, Czech Republic</p>
Professional Affiliations:	<p>Environmental Assessment Professionals of Namibia (EAPAN) - Practitioner (Membership No. 183); Geoscience Council of Namibia (GSCN) – Geoscientist, Registration No. GSCN/G-057; International Association of Hydrogeologists (IAH) - Full Member, Membership No.139790; Namibian Hydrogeological Association (NHA) – Member</p>
Contact Details:	Mobile: +264 81 407 5536; info@serjaconsultants.com ; P. O. Box 27318 Windhoek, Namibia
Signature:	
Date:	07 July 2025
ECC HOLDER (APPLICANT) DETAILS	
ECC Holder / Project Owner:	Microzone Investment CC P. O. Box 64 Lüderitz, Namibia
Name of the Representative & Role:	Mr. Obediah Hondiwo: Project Manager/Managing Member
Contact details:	
Signature:	OBEDIAH HONDIWO, 1384 BENGUELA LÜDERITZ  . 0816061344
Date:	08-07-2025

SERJA'S STATEMENT OF INDEPENDENCE AND DISCLAIMER

As the Appointed Environmental Consultant to apply for the ECC renewal of the Prospecting and Exploration Activities on EPL-7746 near Helmeringhausen in the //Kharas Region and update the 2022 Environmental Management Plan (EMP), Serja Hydrogeo-Environmental Consultants cc (*Serja HGE Consultants*) declares that we:

- do not have, to our knowledge, any information or relationship with the Project owner (Microzone Investment) nor the Ministry of Environment, Forestry and Tourism (MEFT)'s Department of Environmental Affairs and Forestry (DEAF) that may reasonably have the potential of influencing the outcome of this ECC renewal application and the new ECC applied for.
- have knowledge of and experience in conducting environmental assessments, the Environmental Management Act (EMA) No. 7 of 2007, and its 2012 Environmental Impact Assessment (EIA) Regulation, as well as other relevant national and international legislation, guidelines, policies, and standards that govern the proposed project as presented herein.
- have performed work related to the ECC renewal application objectively, even if the results in views and findings, or some of these may not be favorable to the ECC holder/new ECC applicant.
- declare that we do not have and will not have any involvement or financial interest in the undertaking/implementation of the proposed project, other than remuneration (professional fees) for work performed to apply for the ECC renewal in terms of the EIA Regulations' requirement as an Environmental Assessment Practitioner (EAP).

Disclaimer: Serja HGE Consultants will not be held responsible for any omissions and inconsistencies that may result from information that was not available at the time this document was prepared and submitted for evaluation.



.....

Signature

Date: 07 July 2025

Fredrika N. Shagama: Principal Environmental Assessment Practitioner & Hydrogeologist

TABLE OF CONTENTS

List of Figures.....	iii
List of Tables.....	iv
List of Annexures.....	iv
List of Abbreviations.....	iv
1 INTRODUCTION.....	1
1.1 Background and Project Location.....	1
1.2 Environmental Clearance Certificate and the Need for Renewal.....	2
1.3 The Aim of this EMP.....	2
2 DESCRIPTION OF CURRENT ACTIVITIES ONSITE.....	4
2.1 Completed Activities: Prospecting Stage (Non-Invasive & Invasive Techniques): Geochemical Sampling.....	4
2.2 Geochemical Sampling Project Resources and Services Infrastructure.....	6
2.3 The Rehabilitation of Sampled Site Areas.....	7
2.4 Planned/Next Exploration Activities (Invasive Techniques).....	7
2.4.1 Environmental management and requirements.....	7
3 LEGAL FRAMEWORK: OPERATIONAL PERMITTING & LICENSES.....	8
4 ENVIRONMENTAL IMPACT AND MANAGEMENT ACTION PLANS.....	14
4.1 Key Potential Impacts.....	14
4.2 EMP Implementation Roles and Responsibilities.....	15
4.3 Updated Environmental Management and Mitigation Measures.....	17
5 ENVIRONMENTAL MONITORING, COMPLIANCE, AND AUDITING.....	40
5.1 Monitoring of EMP Implementation and ECC Renewal.....	40
5.2 Environmental Awareness.....	40
6 RECOMMENDATIONS AND CONCLUSIONS.....	41
6.1 Recommendations.....	41
6.2 Conclusions.....	41

List of Figures

Figure 1-1: The Locality map of EPL-7746 near Helmeringhausen in the //Kharas Region.....	1
Figure 2-1: Geochemical Sampling Points on EPL-7746 near Helmeringhausen (Serja HGE Consultants, 2023).....	5
Figure 2-2: Some of the EPL areas where sampling was carried out between January and February 2023.....	5

List of Tables

Table 3-1: The List of applicable legislation, where required, permits or licenses for the exploration activities.....	8
Table 4-1: The EMP implementation roles and responsibilities.....	15
Table 4-2: Ongoing Prospecting and Exploration Activities – Current and Updated Management and Mitigation Measures.....	18
Table 4-3: The Decommissioning and Rehabilitation Measures of Project Activities.....	38

List of Annexures

Annexure A: Copy of the Current Environmental Clearance Certificate (ECC)
Annexure B: Chance Finds Procedure for Archaeological & Heritage Resources Protection
Annexure C: Proofs of submitted Bi-annual environmental monitoring reports

List of Abbreviations

Abbreviations	Meaning
CFP	Chance Finds Procedure
DEAF	Department of Environmental Affairs and Forestry
DWA	Department of Water Affairs
EAP	Environmental Assessment Practitioner
ECC	Environmental Clearance Certificate
ECO	Environmental Control Officer
EIA	Environmental Impact Assessment
EMA	Environmental Management Act
EMP	Environmental Management Plan
EPL	Exclusive Prospecting License
ESA	Environmental Scoping Assessment
GG	Government Gazette
GN	Government Notice
MAFWLR	Ministry of Agriculture, Fisheries, Water and Land Reform
MEFT	Ministry of Environment, Forestry and Tourism
MIME	Ministry of Industries, Mines and Energy
NHC	National Heritage Council of Namibia
PPE	Personal Protective Equipment

Abbreviations	Meaning
Reg & S	Regulation & Section
SHE	Safety, Health & Environment
SMEs	Small and Medium Enterprises

1 INTRODUCTION

1.1 Background and Project Location

Microzone Investment CC (herein Microzone Investment), a 100% Namibian-owned company, has been granted Exclusive Prospecting Licence (EPL) No. 7746 (EPL-7746) by the then Ministry of Mines and Energy (MME) and now the Ministry of Industries, Mines and Energy (MIME) on the 3rd of January 2020 and is valid until the 3rd of July 2026. The 19,828.3633-hectare (ha) EPL has potential for mineral resources, including Base and Rare metals, Industrial Minerals, Precious Metals, and Precious Stones, as per the Namibia MME Portal <https://portal.mme.gov.na/page/MapPublic> (with an active status). However, the commodities of interest that Microzone Investment intends to prospect and explore, as recommended in the Desktop Geological Report, are Base and Rare Metals (Copper and Zinc), and Precious Metals (Gold).

EPL-7746 is located about 22km northeast of Helmeringhausen Settlement in the //Karas Region. It mainly covers three farms, namely Farm Kosos No. 11, Auas North No.8, Auas South No. 7, Farm Kumakams No. 68, Volkerust No. 141, Congella Farm No. 10, and Blenheim (Figure 1-1).

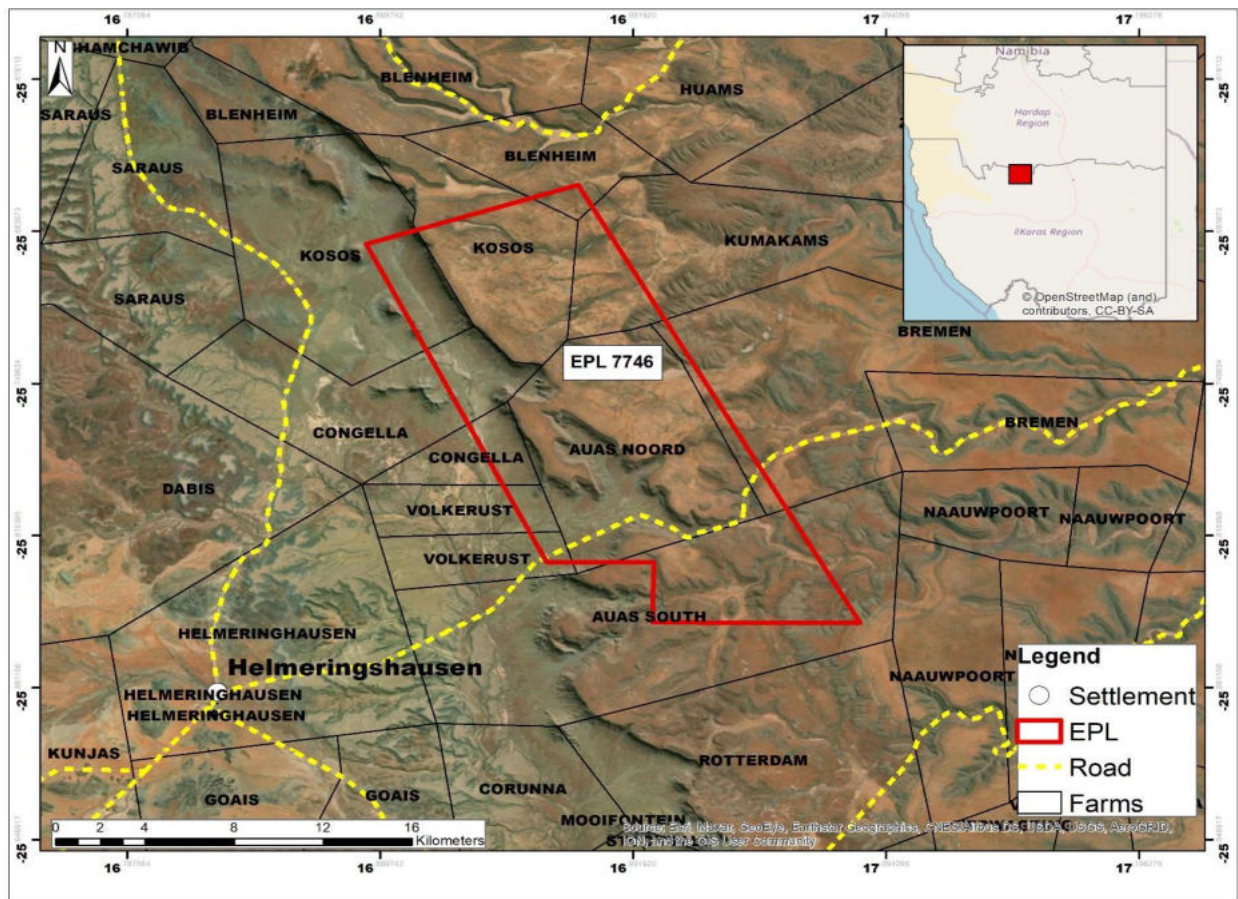


Figure 1-1: The Locality map of EPL-7746 near Helmeringhausen in the //Karas Region

1.2 Environmental Clearance Certificate and the Need for Renewal

Mineral exploration activities are listed in the Environmental Impact Assessment (EIA) Regulations (2012) of the Environmental Management Act (EMA) No. 7 of 2007 as activities or developments that may not be undertaken without an ECC. Thus, the ECC must be issued and renewed every three years.

The listed activities in the EIA Regulations relevant to the project activities include:

LISTED ACTIVITY 3: MINING AND QUARRYING ACTIVITIES

- *3.1 The construction of facilities for any process or activities which require a license, right, or other form of authorization, and the renewal of a license, right, or other form of authorization, in terms of the Minerals (Prospecting and Mining Act, 1992).*
- *3.2 Other forms of mining or extraction of any natural resources, whether regulated by law or not.*
- *3.3 Resource extraction, ~~manipulation, conservation,~~ and related activities.*

To fulfil this requirement, the EPL was issued an ECC (ECC No. APP-3485) on the 28th of September 2022 (Annexure A) upon approval of the 2022 Environmental Management Plan (EMP). The ECC has since expired on the 28th of September 2025. Hence, the need to renew it.

Added to that, for the project to remain compliant with the environmental legislation and ensure sustainability, the ECC renewal should be applied for (accompanied by an updated EMP) and submitted to the Environmental Commissioner at the Ministry of Environment, Forestry and Tourism (MEFT).

Subsequently, to ensure continued compliance with the EMA and its 2012 EIA, Microzone Investment appointed Serja Hydrogeo-Environmental Consultants CC, independent Environmental Consultants, to apply for the ECC renewal, accompanied by an updated EMP.

The updated EMP would include information on what may have changed between the date of ECC issuance and to date, as well as the confirmation of actual implementation of the environmental management and mitigation measures recommended upon approval of the first EMP. The updated EMP is then submitted to the Environmental Commissioner at MEFT for ECC renewal consideration.

1.3 The Aim of this EMP

This document has been compiled to inform the Ministry of Environment, Forestry and Tourism (MEFT) of what has happened on the project site since the issuance of the expired ECC to date, to enable the renewal of the ECC. The aim is also to report on the progress of actual work done on site, implementation of the environmental management and mitigation measures of potential impacts identified.

For the project to remain compliant with the environmental legislation and ensure sustainability, a new ECC should be applied for by launching an application with MEFT.

The ECC renewal is aimed at ensuring that the project activities are undertaken in an environmentally friendly and sustainable manner. This is done by ensuring effective implementations of environmental management and mitigation measures recommended in the previously approved EMP to minimize the adverse identified impacts while maximizing the positive impacts. Not only by the mere implementation of these measures, but also by bi-annual monitoring of this implementation through audit and project activities' compliance exercises on site throughout the project life cycle and validity of the ECC over time.

Subsequently, to comply with the EMA and its 2012 EIA Regulations, Microzone Investment appointed an independent Environmental Consultant to undertake the necessary tasks for their ECC renewal. The required tasks include assessing the site, checking the status of the implementation of the old EMP/management and mitigations, compiling an updated EMP, and submitting the ECC renewal application and EMP to the MEFT for evaluation.

The description of the current operational site activities is presented in the next chapter.

2 DESCRIPTION OF CURRENT ACTIVITIES ONSITE

After the ECC was issued in 2022 and before undertaking any groundwork for the proposed activities at the site (EPL-7746), Microzone Investment had met with some of the farmers affected by the EPL about where initial groundworks (soil and rock sampling) were planned to take place in early 2023. This is a requirement to sign land access and use agreements with the affected landowners (farmers) according to Section 52 (1a) of the Minerals (Prospecting and Mining) Act No. 33 of 1992.

2.1 Completed Activities: Prospecting Stage (Non-Invasive & Invasive Techniques): Geochemical Sampling

The activities on the EPL started in January 2023 with the review of geological information of the area and mapping of the targeted areas to identify prospective lithostratigraphic packages (non-invasive) was done by the appointed Geological Consultant (Terrain Prospect Investment). On the 11th of February 2023, prospecting and minimally invasive activities such as lithological-geochemical sampling were done through the collection of nine (9) soil and rock samples, as shown on the geochemical sampling map in Figure 2-1. The first exploration works had to be paused pending the finalization of the EPL renewal by the Ministry of Industries, Mines and Energy (MIME).

The samples labelled as MZ 3, MZ 12, MZ 14, MZ 17, MZ 18, MZ 27, MZ 28, MZ 29, and MZ 30 were taken from one portion of Farm Kosos, Auas North and South. These samples were collected at a 20cm depth and analysed at the laboratory (as provided in the March 2023 monitoring report – Annexure C).

The site view of some sampled areas on the EPL is shown in Figure 2-2.

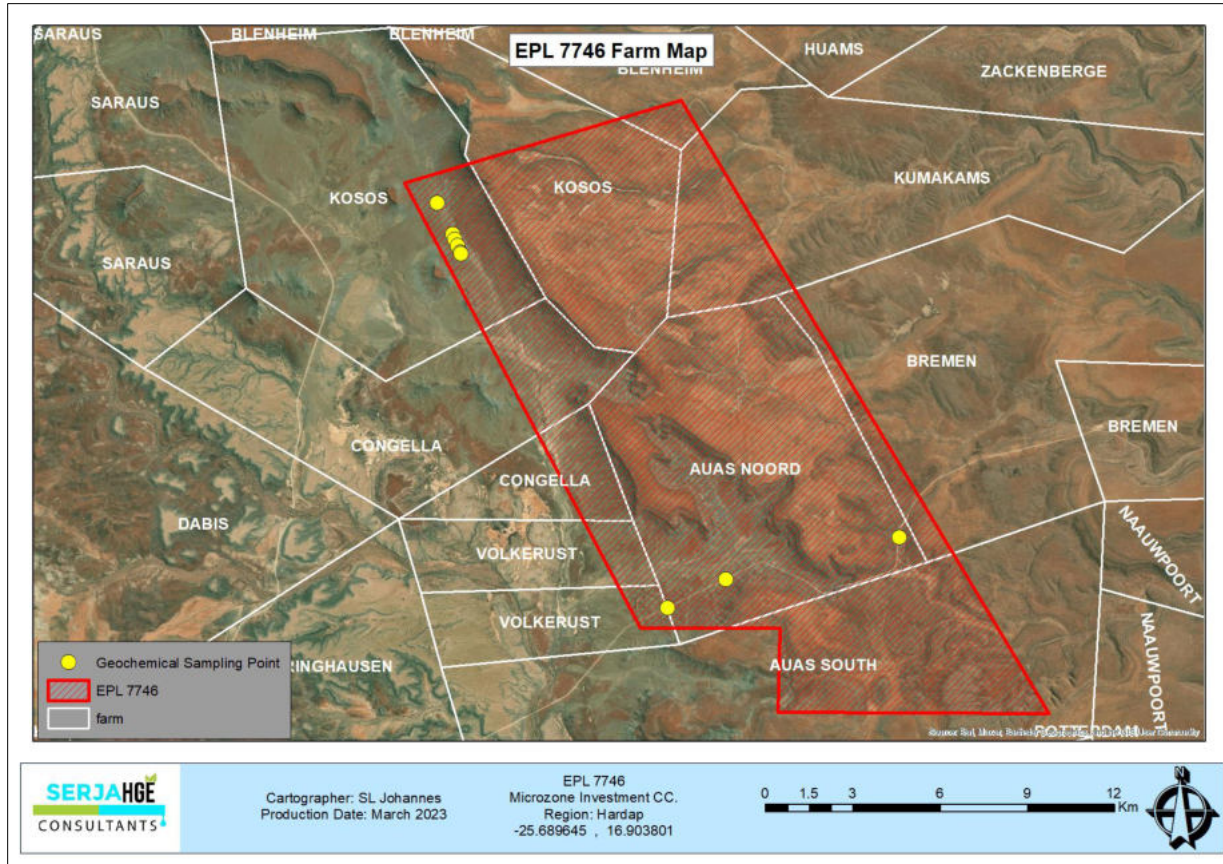


Figure 2-1: Geochemical Sampling Points on EPL-7746 near Helmeringhausen (Serja HGE Consultants, 2023)



Figure 2-2: Some of the EPL areas where sampling was carried out between January and February 2023

The project activities have been carried out and presented in the Scoping Report in April 2022. Therefore, there have not been significant changes that may trigger an amendment to the EMP and ECC. The actual current resources utilized onsite during geochemical sampling works are as follows.

2.2 Geochemical Sampling Project Resources and Services Infrastructure

The following services and infrastructure have been utilized during geochemical sampling:

- Human resources: Given the simplicity of soil/geochemical sampling, only two people were involved in this stage, i.e., one geologist and a casual worker (assistant).
- Project Crew Accommodation: There was no need for onsite accommodation as the completed work (sampling) was a day job.
- Project Equipment, Material, Machinery, and Vehicles: One (4X4) pickup truck and soil sampling tools were used onsite.
- Water supply: The soil/geochemical crew utilized about 10 litres of drinking water onsite for one day. No cooking was done onsite as the work was limited to one day, and the crew had their ready-made food.

During the next stages of exploration, water for domestic use will be supplied through carting from the nearest water supply area (Helmeringhausen Settlement) or upon reaching an agreement with the respective farm owner to supply portable water for the exploration crew (workers).

To ensure that the already low potential local groundwater resources in the EPL are not stressed or significantly impacted by the project activities (such as drilling), Microzone Investment will be carting water from outside the area (where water supply is not a big issue).

- Fuel supply (for cooking): The sampling team (crew) had their ready-made food for the day. Therefore, no firewood or cooking was collected or done onsite, respectively.
- Fuel Supply (vehicles, machinery, and equipment): No fuel was used onsite during sampling. The vehicles used for the day were already refuelled outside the EPL area (in towns).
- Accessibility (roads): The EPL is accessible from the C14 from Helmeringhausen from the south of the EPL and then via local access roads to and from farms. This access road was used by the sampling vehicle.

There is only one access road in the EPL (D414) in the farms cutting across the EPL on the south. Therefore, it is anticipated that new access tracks will be created in some areas of the EPL to access the target sites for exploration and enable the movement of pick up (4x4) and heavy truck, and drill rig.

- Waste management
 - Sewage: since the sampling activities only lasted a few hours of the day, there was no need for a toilet facility on-site. When needed, the crew utilized the ablution facilities in Helmeringhausen. The onsite facilities will be considered for the next stages of exploration (trenching and drilling).
 - General and domestic waste: Little waste (domestic) was generated onsite. The geologist and assistant had plastic bags in the vehicle where they kept the little waste onsite. The waste plastic bag was taken off-site for disposal in the bins in Swakopmund.
 - Hazardous waste: There was no use of hazardous substances such as fuels or oil on-site.

- Occupational and community health and safety: the crew had adequate and appropriate Personal Protective Equipment (PPE) while sampling onsite. For the next stages of exploration, PPE will be provided to every project personnel and visitor/inspector while on and working at the site and visiting the site, respectively.
 - First aid: A minimum of two first aid kits will be readily available at exploration and camp sites to attend to potential minor injuries, while major injuries will need to be attended to further by transporting the injured to the nearest health centre for treatment.
 - Potential Accidental Fire Outbreaks: A minimum of basic firefighting equipment, i.e., two fire extinguishers, will be readily available in vehicles, at the working sites, and campsites (accommodation units).
 - Open exploration trenches and boreholes: The trenches dug for sampling will be temporarily fenced off to prevent potential injuries to both people and livestock and wildlife on the farms. Once sampling is completed, the trenches will be progressively backfilled and levelled. Similarly, for exploration boreholes that are no longer required after rock samples, they will be backfilled and closed off.

2.3 The Rehabilitation of Sampled Site Areas

The sampling points where the soil was stockpiled were progressively levelled and rehabilitated. This was done to ensure that the disturbed land sites are left as close to their original state as possible.

2.4 Planned/Next Exploration Activities (Invasive Techniques)

The next stage of the site work will be trenching and eventually, if deemed feasible, exploration drilling (Reverse Circulation (RC) and diamond drilling. These will be done in the next stage when the ECC is approved and issued. This stage (Detailed Field Evaluation), following the minor invasive techniques (soil sampling), will be carried out by simple collection of soil and rock samples from target EPL areas to verify desktop/non-invasive information.

2.4.1 Environmental management and requirements

The project was environmentally cleared with an ECC issued on the 28th of September 2022 and is valid until the 28th of September 2025. To ensure that the ECC remains valid after the 3-year validity period, the ECC renewal application is submitted with the updated EMP to the Environmental Commissioner in July 2025 to allow time for the evaluation of the application for renewal consideration.

3 LEGAL FRAMEWORK: OPERATIONAL PERMITTING & LICENSES

The project’s activities are undertaken in a biophysical and social environment. These activities have potential impacts on some of these environmental components. It is therefore necessary to consider the legislation and legal requirements governing the project and its associated activities. The main legal framework presented herein is that of Namibia for the relevant project component under the scope of this document, and this is regarding the authorizations and permitting for project activities as presented in Table 3-1. Regardless, the list of regulatory frameworks provided in the 2022 EMP is still valid for the project activities and should be adhered to.

Table 3-1: The List of applicable legislation, where required, permits or licenses for the exploration activities

Legislation/Policy/ Guideline	Relevant Provisions	Implications for this Project
<p>Environmental Management Act EMA (No 7 of 2007)</p> <p>Environmental Impact Assessment (EIA) Regulations Government Notice 28-30 (Government Gazette 4878) of February 2012A: Regulated under the Ministry of Environment, Forestry and Tourism (MEFT)</p>	<p>The Act and its 2012 EIA Regulations aim to ensure that the potential impacts of the development on the environment are carefully considered.</p> <p>The Act aims to promote the sustainable management of the environment and the use of natural resources. The Environmental Management Act (EMA) is broad, regulating land use development through environmental clearance certification and/or Environmental Impact Assessments. The Act provides for the clearance certification for " <i>LISTED ACTIVITY 1: MINING AND QUARRYING ACTIVITIES.</i></p> <p><i>-3.1 The construction of facilities for any process or activities which require a license, right, or other forms of authorization, and the renewal of a license, right, or other form of authorization, in terms of the Minerals (Prospecting and Mining Act, 1992).</i></p> <p><i>-3.2 Other forms of mining or extraction of any natural resources, whether regulated by law or not.</i></p>	<p>The EMA should inform and guide this EMP development and its implementation for:</p> <p>-ECC Amendment/Transfer and Renewal: Should Microzone Investment consider amending/transferring the project activities, the need to renew the ECC (every 3 years before its expiry date) should be done in application to the Department of Environmental Affairs & Forestry (DEAF):</p> <p>Office of the Environmental Commissioner: Mr. Timoteus Mufeti Tel: +264 61 284 2701</p>

Legislation/Policy/ Guideline	Relevant Provisions	Implications for this Project
	<p>-3.3 Resource extraction, manipulation, conservation, and related activities, which are relevant to the Project.</p> <p>For new projects, the Act requires that projects with significant environmental impacts be subject to an environmental assessment process (Section 27). Regardless of the project, mitigation measures should be developed for implementation during operations.</p>	
<p>Minerals (Prospecting and Mining) Act (No. 33 of 1992): Ministry of Industries, Mines and Energy (MIME)</p>	<p>Section (S)52 requires mineral license holders to enter into a written agreement with affected landowners before exercising rights conferred upon the license holder.</p> <p>Section 54 requires written notice to be submitted to the Mining Commissioner if the holder of a mineral license intends to abandon the mineral license area.</p> <p>S91 requires that rehabilitation measures be included in an application for a mineral license.</p>	<p>The Project is already in its operational phase. However, if necessary and required, constant consultations and engagements with the interested and affected parties (stakeholders) should be continued. In case of grievances raised by the neighbouring land users or stakeholders, this should be addressed and resolved amicably.</p> <p>Microzone Investment should continue to engage the farm owners and enter into agreements with the respective farmers as per the contact list provided to them by the Environmental Consultant. Ensure compliance with farmers' conditions of land use. This includes timely entry into and signing of access and land use agreement (consent) with the respective affected farm owners.</p> <p>Microzone Investment should ensure that all necessary permits/authorizations for the EPL are renewed on time and obtained from the Ministry of Industries, Mines and Energy (MIME).</p>

Legislation/Policy/ Guideline	Relevant Provisions	Implications for this Project
		<p>Contact person and details at the MME (Mining Commissioner)</p> <p>Mrs. Isabella Chirchir</p> <p>Tel: +264 61 284 8251</p>
<p>Water Resources Management Act (No 11 of 2013) and its 2023 Water Regulations: Ministry of Agriculture, Water and Land Reform (MAWLR)</p>	<p>Ensure that the water resources of Namibia are managed, developed, used, conserved and protected in a manner consistent with, or conducive to, the fundamental principles set out in Section 66 - protection of aquifers, Subsection 1 (d) (iii) provide for preventing the contamination of the aquifer and water pollution control (S68).</p>	<p>All groundwater-related activities (such as drilling and utilization of such water for the project), & as well as discharging of wastewater, these permits should be applied for from the Department of Water Affairs (DWA).</p> <p>Contact: Mr. Franciskus Witbooi Division: Water Policy and Water Law Administration Division</p> <p>Tel: +264 61 208 7158</p> <p>If and when required, the Wastewater / Effluent Discharge Permit will be applied for from the Water Environment Division</p> <p>Contact: Ms. Elise Mbandeka</p> <p>Tel: +264 61 208 7167</p>
<p>Petroleum Products and Energy Act (No. 13 of 1990) Regulations (2001): MIME</p>	<p>Regulation 3(2)(b) states that "No person shall possess or store any fuel except under authority of a licence or a certificate, excluding a person who possesses or stores such fuel in a quantity of 600 litres or less in any container kept at a place outside a local authority area"</p>	<p>Should there be a need to install a fuel tank that is 600 litres or more in capacity, a consumer installation certificate should be applied for from the MIME for the storage of fuel on-site.</p> <p>Mr. Carlo McLeod (Ministry of Mines and Energy: Director – Petroleum Affairs)</p>

Legislation/Policy/ Guideline	Relevant Provisions	Implications for this Project
		Tel: +264 61 284 8291
Forestry Act No. 12 of 2001: Regulated under the MEFT	<p>The Act provides for the management and use of forests and related products/resources. It offers protection to any living tree, bush, or shrub growing within 100 metres of a river, stream, or watercourse on land that is not a surveyed erf of a local authority area. In such instances, a licence would be required to cut and remove any such vegetation. These provisions are only guidelines.</p> <p>The Project is in a desert environment where vegetation is scarce, and some of which are sensitive species.</p>	<p>Should there be protected plant species such as mopane trees, which are known to occur within the site, and need to be removed, a permit should be obtained from the nearest Forestry office (MEFT).</p> <p>Mr. Johnson Ndokosho (Forestry Director) Tel: +264 61 208 7666</p>
Soil Conservation Act (No 76 of 1969): Regulated under the Ministry of Agriculture, Fisheries, Water, and Land Reform (MAFWLR)	The Act makes provision for the prevention and control of soil erosion and the protection, improvement, and conservation of soil, vegetation, and water supply sources and resources, through directives declared by the Minister.	Duty of care must be applied to soil conservation and management measures must be included in the EMP. This is mainly aimed at soil disturbance through unnecessary creation of new tracks and pollution from project-related activities.
<p>The National Heritage Act (No. 27 of 2004)</p> <p>The National Monuments Act (No. 28 of 1969): Regulated under the Ministry of Education, Innovation, Youth, Sport, Arts and Culture (MEIYSAC)</p>	<p>The Act extends the protection of archaeological and historical sites to private and communal land and defines permit procedures regarding activities at such sites.</p> <p>The Act enables the proclamation of national monuments and protects archaeological sites.</p>	<p>Should heritage resources (e.g., artefacts, human remains/bones in the subsurface, etc.) be discovered at some point on and /or around the site, these should be reported to the National Heritage Council (NHC) of Namibia for relocation.</p> <p>Contact: Mrs. Erica Ndalikokule (NHC Director) Or Ms. Agnes Shiningayamwe (Regional Heritage Officer) Tel: +264 61 301 903</p>

Legislation/Policy/ Guideline	Relevant Provisions	Implications for this Project
Pollution Control and Waste Management Bill: Regulated under the MEFT	<p>The bill aims to “prevent and regulate the discharge of pollutants to the air, water and land” Of particular reference to the Project is: Section 21 “(1) Subject to sub-section (4) and section 22, no person shall cause or permit the discharge of pollutants or waste into any water or watercourse.”</p> <p>Section 55 “(1) No person may produce, collect, transport, sort, recover, treat, store, dispose of or otherwise manage waste in a manner that results in or creates a significant risk of harm to human health or the environment.”</p>	<p>Microzone Investment and its workers should continue with the good waste management work (directly or indirectly) to ensure that the waste does not cause an environmental threat or degradation.</p> <p>No permit or license required.</p>
Public Health Act (No. 36 of 1919): Regulated under the Ministry of Health and Social Services (MHSS)	Section 119 states that “no person shall cause a nuisance or shall suffer to exist on any land or premises owned or occupied by him or of which he is in charge any nuisance or other condition liable to be injurious or dangerous to health.”	Microzone Investment and all its employees/workers should ensure compliance with the provisions of these legal instruments. This includes the provision of health and safety measures, wearing of Personal Protective Equipment (PPE), Health & Safety Training, etc.
Health and Safety Regulations GN 156/1997 (Government Gazette 1617): Regulated under the MHSS	Details various requirements regarding the health and safety of labourers.	No permit or license required.
Public and Environmental Health Act No. 1 of 2015: Regulated under the MHSS	To provide a framework for a structured, uniform public and environmental health system in Namibia, and to provide for incidental matters.	
Road Traffic and Transport Act, No. 22 of 1999: Regulated under the Ministry of Works and Transport (MWT) (Roads Authority of Namibia)	The Act provides for the establishment of the Transportation Commission of Namibia; for the control of traffic on public roads, the licensing of drivers, the registration and licensing of vehicles, the control and regulation of road transport across Namibia's borders; and for matters incidental thereto.	<p>Mitigation measures should be provided for if the roads and traffic impact cannot be avoided. The relevant access road permits must therefore be applied for.</p> <p>Microzone Investment should continue to comply with access roads and regulations, as well as</p>

Legislation/Policy/ Guideline	Relevant Provisions	Implications for this Project
		<p>permit conditions that may have been issued to them by the Ministry of Works and Transport's Roads Authority. If not in possession, a Road Access should be applied for from the Roads Authority.</p> <p>Contact: Mr Eugene de Paauw (Roads Authority – Specialist Road Legislation), MWT Tel.: -264 61 284 7027</p>
<p>Labour Act (No. 6 of 1992): Regulated under the Ministry of Justice and Labour Relations (MJLR)</p>	<p>MJLR is aimed at ensuring harmonious labour relations through promoting social justice, occupational health and safety, and enhanced labour market services for the benefit of all Namibians. This ministry ensures effective implementation of the Labour Act No. 6 of 1992, specifically its Regulations, No. 156 Labour Act, 1992: Regulations relating to the health and safety of employees at work.</p>	<p>Microzone Investment should ensure that the project operations do not compromise the safety and welfare of workers.</p> <p>No permit or license required. However, if there is a need to run 12-hour shifts onsite, permission is needed from the MJLR.</p> <p>Contact: Ms. Kyliki Sihlala, Labour Commissioner; Tel. +264 61 206 6111</p>

4 ENVIRONMENTAL IMPACT AND MANAGEMENT ACTION PLANS

This chapter presents the potential impacts that were identified at the time the environmental clearance was issued, the environmental management measures recommended, and the implementation checklist (status of EMP implementation). It is under this chapter that the Environmental Consultant indicates whether Microzone Investment has been maintaining the implementation of management and mitigation action plans on site to manage and mitigate the significance of the adverse potential impacts stemming from the current project phase and associated activities.

4.1 Key Potential Impacts

The main potential (positive and negative) impacts associated with the project activities are as follows:

Positive impacts (benefits)

- Socio-economic development through employment creation (primary, secondary, and tertiary employment) and skills transfer.
- Open other investment opportunities and infrastructure-related development benefits.
- Produce a trained workforce and small businesses that can service communities and may initiate related businesses.
- Boosting the local economic growth and regional economic development.
- Increased support for local businesses through the procurement of consumable items such as Personal Protective Equipment (PPE), machinery spare parts, lubricants, etc.

Negative (adverse) impacts

- Potential disturbance of grazing areas,
- Physical land/soil disturbance
- Impact on local biodiversity (fauna and flora); potential illegal harvesting of protected vegetation and wildlife hunting (poaching), and habitat disturbance in the area.
- Potential impact on water resources and soils, particularly due to pollution,
- Air quality issue: potential dust generated from the project activities, such as drilling, possibly trenching, and movement of heavy trucks on unpaved access roads.
- Potential occupational & social health and safety risks (trenches and drilled holes risk to livestock, game, and people).
- Vehicular traffic safety and impact on the services infrastructure, such as local roads
- Vibrations and noise associated with drilling activities may be a nuisance to locals.
- Environmental pollution (solid waste and wastewater).

- Archaeological and heritage resources impact (during trenching and drilling)
- Potential social nuisance and conflicts (theft, damage to properties, etc).

4.2 EMP Implementation Roles and Responsibilities

This section is presentation of the roles of different parties involved in the project cycle (for its operations and maintenance) and their respective responsibilities towards the implementation of the EMP.

This EMP informs all relevant parties listed below and everyone employed at the site of their duties in the fulfillment of the legal requirements for the project activities. This is done to prevent and mitigate the potential negative environmental impacts. All parties should note that obligations imposed by the EMP are legally binding in terms of the Environmental Clearance granted by MEFT to:

- Ensure compliance with regulatory authority stipulations and guidelines, which may be local, provincial, national, and/or international.
- Verify environmental performance through information on impacts as they occur.
- Provide feedback for continual improvement in environmental performance.
- Identify a range of mitigation measures that could reduce and mitigate the potential impacts to minimal or insignificant levels.
- Detail specific actions deemed necessary to assist in mitigating environmental impacts.
- Create management structures that address the concerns and complaints that may be raised by interested and affected parties (I&APs) about the project; and
- Establish a method of monitoring and auditing environmental management practices for the project.

Microzone Investment is ultimately responsible for the implementation of this EMP. To ensure the full implementation of the EMP. The roles and responsibilities of all delegates/parties involved in the effective implementation of this EMP are set in. Table 4-1.

Table 4-1: The EMP implementation roles and responsibilities

Role	Responsibilities
Microzone Investment	<ul style="list-style-type: none"> -Managing the implementation of this EMP and updating and maintaining it when necessary. -Management and monitoring of individuals and/ or equipment on-site in terms of compliance with this EMP -Liaising between the local and regional leadership and the community. -Ensure effective communication with stakeholders, media (if necessary), and the public.

Role	Responsibilities
	<ul style="list-style-type: none"> -Managing public relations issues and collaborating with personnel, and maintaining project-related open communication among personnel.
Exploration or Project Manager (as appropriate)	<ul style="list-style-type: none"> -Ensure that relevant commitments contained in the EMP Action Plans are adhered to. -Ensure relevant staff are trained in procedures entailed in their duties. -Maintain records of all relevant environmental documentation for the project. -Cooperate with all relevant interested and affected parties/stakeholders. -Development and management of schedules for daily activities. -Undertaking an annual review of the EMP and recommending additions and/or changes thereto (this document). -Conducting site inspections of all areas for the implementation of this EMP (monitor and audit the implementation of the EMP).
Safety, Health & Environmental (SHE) Officer/Environmental Control Officer (ECO)	<ul style="list-style-type: none"> -Enforce compliance with health, safety, and environmental regulations. -Develop and implement site-specific safety policies and procedures. -Conduct regular safety audits and inspections. -Perform risk assessments and recommend control measures. -Monitor the implementation of safety measures and controls. -Conduct safety inductions for new workers and visitors at the site. -Organize regular safety training and toolbox talks. -Promote awareness of the use of personal protective equipment (PPE). -Investigate accidents, incidents, and near-misses, and maintain incident and accident records. -Recommend and follow up on corrective and preventive actions. -Maintain records of safety inspections, permits, and training. -Monitor and report on safety performance indicators. -Develop and test emergency response and evacuation plans. -Ensure the availability of first aid kits and trained first aiders. -Coordinate fire drills and emergency simulations. -Supervise safe handling and storage of hazardous materials (e.g., fuels).

Role	Responsibilities
Site (Project) Workers and Visitors	<p>The project workers have a personal responsibility to aid in the implementation of the EMP while present and working on site. Therefore, they will be required to adhere to the relevant management and mitigation measures to collectively protect the environment and promote environmental sustainability.</p> <p>Site visitors should be inducted on the site's operational procedures, particularly environmental, health, and safety measures.</p>

4.3 Updated Environmental Management and Mitigation Measures

The 2022 EMP has been reviewed and revised based on the period between September 2022 (when the ECC was issued) and July 2025 (current conditions onsite and the time of applying for an ECC renewal). This has been done to confirm the implementation of the management and mitigation measures between September 2022 to when the ECC renewal application is done (July 2025). Where further recommendations or action plans (measures) are required to improve environmental sustainability and ensure compliance with legal requirements, this is indicated in Table 4-2. The measures provided herein focus on managing and mitigating adverse (negative) impacts associated with or potentially arising from different project activities. The aim is to reduce the significance of these impacts while maximizing the benefits (positive impacts) of the overall project.

The Management action plans (measures) recommended for the potential impacts and updated (where deemed necessary) are based on the following phases:

- Ongoing Prospecting and Exploration Phase (Table 4-2), and
- Decommissioning and Rehabilitation measures (Table 4-3).

Table 4-2: Ongoing Prospecting and Exploration Activities – Current and Updated Management and Mitigation Measures

Aspect	Activity/Impact	Current EMP Implementation Measures	Responsibility	Additional recommended mitigation measures
Management and Monitoring	Lack of EMP implementation and adherence to the ECC conditions	<p>-Ensure that all aspects related to the Environmental Management Plan (EMP) are implemented.</p> <p>-A Comprehensive Health and Safety Plan for the Project activities should be compiled.</p> <p>-An EMP non-compliance penalty system should be implemented on-site.</p> <p>-Microzone Investment should appoint an Environmental Control Officer (ECO)/SHE Officer to be responsible for managing the EMP implementation and monitoring.</p>	<p>-Microzone Investment</p> <p>-Exploration Manager</p>	<p>-Effective implementation of the EMP and ensure that all project workers, contractors, and visitors are inducted and trained accordingly.</p> <p>-A SHE Officer should be appointed for the site.</p>
Authorizations	Lack of Agreements, Permits/ Licenses	<p>-All the required agreements and licenses, or permits should be applied for and signed, or as required. The permits, agreements referred to herein include:</p> <p>(a) Land use consent from affected farm owners / other relevant authorities</p> <p>(b) Waste management disposal permits</p> <p>(c) Water supply agreements or groundwater abstraction & use permit from MAWLR (if drilling a new borehole and directly abstracting from it).</p> <p>(d) On-site fuel storage permit from MME for any petroleum stored on-site</p>	<p>-Microzone Investment</p> <p>-Exploration Manager</p>	-None

Aspect	Activity/Impact	Current EMP Implementation Measures	Responsibility	Additional recommended mitigation measures
<p>A reporting system for monitoring aspects of exploration activities as outlined herein</p>	<p>Reporting</p>	<p>-Establish a reporting system to report on aspects of operation and maintenance.</p> <p>-Keep monitoring reports (Bi-annual reporting) on file for submission with ECC renewal applications where needed.</p> <p>-EMP training should be provided to all personnel onsite.</p> <p>-Site personnel should be aware of necessary health, safety, and environmental considerations applicable to their respective work.</p> <p>-The implementation of this EMP should be monitored.</p> <p>The site should be inspected, and a compliance audit done throughout the project activities, monthly.</p> <p>-Implement an EMP non-compliance penalty system</p>	<p>-Microzone Investment</p> <p>-SHE Officer</p>	<p>-Bi-annual environmental monitoring reports, which include project incidents, should be continued and submitted to the Office of the Environmental Commissioner</p>

Aspect	Activity/Impact	Current EMP Implementation Measures	Responsibility	Additional recommended mitigation measures
Environmental clearance	Renewal of the ECC and submission of bi-annual monitoring reports, as well as amendments to the ECC and EMP	-None	-Microzone Investment	<p>-The ECC should be renewed every 3 years (preparing to commence at least 2 months before expiry (if necessary) and submission of the ECC renewal application to reach the MEFT office before the expiry date of the current ECC.</p> <p>-Amendments to the EMP should be communicated to the Office of the Environmental Commissioner.</p> <p>-Plans to transfer the ECC to a different person or company should be communicated to the Environmental Commissioner by applying for the ECC Transfer and submitting the updated EMP.</p>
Training, including awareness and inductions	Lack of safety, health, and environmental training for workers, as well as inductions for site visitors	<p>-Train employees in matters related to the project's social and environmental performance and Namibia's regulatory requirements.</p> <p>-Ensure adequate environmental awareness training for all personnel. Give environmental induction presentations to all personnel.</p>	-Exploration Manager	None. However, continued improvement should be made when and where necessary.

Aspect	Activity/Impact	Current EMP Implementation Measures	Responsibility	Additional recommended mitigation measures
Communication between Microzone Investment and the community	Lack of communication between the communities and Microzone Investment	<p>-A clear communication procedure/plan, which should include a grievance mechanism, should be developed.</p> <p>-A Complaint's logbook should be onsite to record all issues raised, and amicable solutions provided.</p>	-Exploration Manager	None. However, continued improvement should be made when and where necessary.
Labour and Recruitment, as well as procurement of goods and services	<p>Creation of employment opportunities</p> <p>The conflicts and tension arise owing to giving employment opportunities to outsiders over locals for work they can perform.</p>	<p>-Contractors should give all unskilled and semi-skilled work to be given to the locals before considering outsiders. This is to avoid the influx of outsiders into the area for work that can be done by the locals.</p> <p>-The anticipated work opportunities and number of positions should be announced through the local leadership (respective constituency councillor through the //Kharas Regional Council).</p> <p>-The names of the prospective workers should be screened by the local leaders to verify their place of origin to ensure that the opportunities reserved for the locals are not given to outsiders.</p> <p>-Equal opportunities should be given to both men and women, where possible.</p>	-Microzone Investment	None. However, continued improvement should be made when and where necessary.
	Employment and hiring of local and skilled people and local contractors for specialized Site operational and maintenance	-Where skills exist, local Namibian contractors and employees must be contracted and employed, respectively. Deviations from this must be justified.	-Microzone Investment	None. However, continued improvement should be made when and where necessary.

Aspect	Activity/Impact	Current EMP Implementation Measures	Responsibility	Additional recommended mitigation measures
		<p>-The tenders for the provision of locally available goods and services should be given to local small and medium businesses (SMEs).</p>		
	<p>The conflicts arise from giving procurement opportunities to outsiders over locals for services and goods they are capable of providing.</p>	<p>-The procurement of goods and services should follow a fair and transparent process.</p> <p>-Procurements for services and goods that are locally and nationally available should be open only to Namibian companies with strong local participation.</p> <p>-The business opportunities, such as site clearing, cleaning services, and, where necessary, maintenance works, should be given to local companies (from the //Kharas Region).</p>	<p>-Microzone Investment</p>	<p>None. However, continued improvement should be made when and where necessary.</p>
<p>Corporate Social Responsibilities (CSR)</p>	<p>The lack of support in the community</p>	<p>-The project should ensure that the hired unskilled and semi-skilled are trained and intellectually capacitated to work with little to no supervision while onsite.</p> <p>-The project should invest in the local community through existing projects or projects that need support and assistance.</p>	<p>-Microzone Investment</p> <p>-Exploration Manager</p>	<p>None. However, continued improvement should be made when and where necessary.</p>
<p>Management system in Safety, Health and Environment (SHE)</p>	<p>Provision and effective implementation of SHE management systems</p>	<p>-The SHE Officer/Coordinator should implement the EMP and oversee occupational health and safety onsite.</p>	<p>-Microzone Investment</p> <p>-Exploration Manager</p>	<p>None. However, continued improvement should be made when and where necessary.</p>

Aspect	Activity/Impact	Current EMP Implementation Measures	Responsibility	Additional recommended mitigation measures
		<p>-Risk Management / Mitigation / Emergency Response Plan and SHE Manuals, such as Induction pamphlets, should be in place and updated as deemed necessary.</p> <p>-There should be adequate protection and liability insurance coverage for incidents.</p> <p>-Ensure compliance with the provisions of all relevant safety standards.</p> <p>-There should be procedures, equipment, and materials required for emergencies.</p>		
Grazing land	Loss of grazing areas	<p>-Avoid unnecessary removal or destruction of grazing land.</p> <p>-Preserve vegetation found on the site, but not in the targeted site areas, to preserve grazing land.</p> <p>-Refrain from driving off-road (creating new tracks) that may contribute to the loss of grazing land.</p>	<p>-Microzone Investment</p> <p>-Exploration Manager</p>	None. However, continued improvement should be made when and where necessary.
Soils	Physical soil/land disturbance and loss of topsoil	<p>-To avoid stockpiling of soils and leaving them vulnerable to erosion, the topsoil that was stripped from certain site areas to enable project works and can be returned to its initial position, should be returned.</p> <p>-All trenches and pits excavated on site should be rehabilitated and returned to their pre-excavation state as much as possible.</p>	<p>-Microzone Investment</p> <p>-SHE Officer</p> <p>-Exploration Manager</p>	None. However, continued improvement should be made when and where necessary.

Aspect	Activity/Impact	Current EMP Implementation Measures	Responsibility	Additional recommended mitigation measures
		<p>-Soils that are not within the intended footprints of the EPL areas should be left undisturbed, and soil conservation implemented as far as possible.</p>		
<p>Water Resources Use</p>	<p>Over-abstraction (water demand and availability)</p>	<p>-Water reuse/recycling methods should be implemented as far as practicable (water used to cool off equipment should be captured to clean project equipment). Water should be used efficiently</p> <p>-Water storage tanks should be inspected daily to ensure that there is no leakage (prevent water wastage).</p> <p>-Water conservation awareness and saving measures training should be provided to all personnel to understand the importance of conserving water and become accountable.</p>	<p>-Microzone Investment</p> <p>-SHE Officer</p> <p>-Exploration Manager</p>	<p>-No abstraction from site boreholes nor the drilling of new water boreholes for the project.</p> <p>-Fresh water supply permits or agreements should be kept on record.</p>
<p>Biodiversity</p>	<p>Loss of Fauna and Flora</p>	<p><u>Fauna (animals)</u></p> <p>-All employees should be educated about the value of biodiversity preservation.</p> <p>-Strict conditions prohibiting the harvesting of fauna and the poaching of fauna should be incorporated into employment contracts.</p> <p>-Killing, injuring, hunting, capturing, disturbing, or feeding of any wild animal (reptiles or mammals) or removing any part of any wild animal, whether alive or dead, is prohibited.</p>	<p>-Microzone Investment</p> <p>-SHE Officer</p> <p>-Exploration Manager</p>	<p>None. However, continued improvement should be made when and where necessary.</p>

Aspect	Activity/Impact	Current EMP Implementation Measures	Responsibility	Additional recommended mitigation measures
		<p>-Project trenches and boreholes should be secured (temporary fencing) and backfilled and capped upon completion of works to prevent injuries to both animals and people.</p> <p>-The removal, destruction, damage, or disturbance of any egg, nest, or burrow on and around the site is strictly prohibited.</p> <p>-The birds that are nesting on or near the site boundaries should not be disturbed or removed. The removal of nests should only be done if they pose a health risk or interfere with the operations. This should be communicated with MEFT.</p> <p>-Environmental awareness on the importance of biodiversity preservation should be provided to project personnel.</p> <p><u>Flora (vegetation)</u></p> <p>-Avoid unnecessary removal or disturbance of vegetation, thus promoting floral conservation.</p> <p>-If necessary and obstructing the project activities, the permit to remove protected tree species such as mopane trees should be obtained from the nearest Forestry Directorate at MEFT.</p> <p>-No onsite vegetation should be cut or used for firewood related to the project's operations, especially without permission from the Traditional Authority (Village Headman).</p>		

Aspect	Activity/Impact	Current EMP Implementation Measures	Responsibility	Additional recommended mitigation measures
		<p>-Additional access roads, if necessary, should be created in a manner that disturbs minimal vegetation.</p>		
Illegal hunting	Illegal hunting of wildlife	<p>-The Poaching (illegal hunting) of wildlife on the communal land (including conservancies) and surrounding areas is strictly prohibited.</p> <p>-The No Tolerance to Poaching Policy should be developed and applicable to all site personnel.</p>	<p>-Microzone Investment</p> <p>-SHE Officer</p> <p>-Exploration Manager</p>	<p>None. However, continued improvement should be made when and where necessary.</p>
Road use and safety	Increase in vehicular traffic flow.	<p>-Project-related goods and services should be delivered to the site twice a week to reduce the daily movement of trucks and pressure on local roads.</p> <p>-Drivers should have valid and appropriate driving licenses and adhere to the road safety rules.</p> <p>-Drivers should drive slowly (at 40km/hour) and be on the lookout for livestock and wildlife as well as people.</p> <p>-Ensure that the site access roads are well equipped with temporary road signs.</p> <p>-Vehicles should be in roadworthy conditions and serviced regularly to avoid accidents caused by mechanical faults.</p>	<p>-Microzone Investment</p> <p>-SHE Officer</p> <p>-Exploration Manager</p>	<p>-None. However, continued improvement should be made when and where necessary.</p>

Aspect	Activity/Impact	Current EMP Implementation Measures	Responsibility	Additional recommended mitigation measures
		<p>-Vehicle drivers should not be allowed to operate vehicles while under the influence of alcohol.</p>		
<p>Local services and infrastructure</p>	<p>Overuse and damage to roads</p>	<p>-The heavy trucks transporting materials and services to the site should be scheduled to travel twice a week to avoid daily traveling to the site, unless in cases of emergencies.</p> <p>-Frequent maintenance of local roads should be done to ensure that the roads are in good condition for other road users, such as locals and travellers.</p>	<p>-Microzone Investment</p> <p>-SHE Officer</p> <p>-Exploration Manager</p>	<p>None. However, continued improvement should be made when and where necessary.</p>
<p>Littering and waste management (general waste and sanitation)</p>	<p>Environmental Pollution</p>	<p>-Personnel should be sensitized to dispose of waste responsibly and not to litter.</p> <p>-All domestic and general operational waste produced daily should be contained on-site for later disposal at approved waste management sites.</p> <p>-No waste may be buried or burned on site or anywhere else.</p> <p>-The site should be equipped with separate waste bins for hazardous and solid waste.</p> <p>-Site sewage should be stored and managed as per the portable chemical toilets supplied.</p> <p>-Oil spills should be taken care of by removing and treating the soil affected by the spill.</p>	<p>-Microzone Investment</p> <p>-SHE Officer</p> <p>-Exploration Manager</p>	<p>None. However, continued improvement should be made when and where necessary.</p>

Aspect	Activity/Impact	Current EMP Implementation Measures	Responsibility	Additional recommended mitigation measures
		<p>-Introduce a penalty system for irresponsible disposal of waste on-site and anywhere in the area.</p> <p>-Hydrocarbons and wastewater should be contained on site and disposed of following municipal wastewater discharge standards to prevent pollution of soils and eventually water resources systems.</p> <p>-An emergency plan for major/minor spills should be in place on-site.</p>		
	Wastewater generated by project personnel on-site	<p>-Potential contaminants such as hydrocarbons and wastewater should be contained on site and disposed of per municipal wastewater discharge standards so that they do not contaminate the surrounding soils and eventually the groundwater</p> <p>-Provision of toilet facilities for workers (mobile/portable chemical toilet if possible).</p> <p>-Emptying of chemical toilets according to the manufacturer's specifications.</p>	<p>-Microzone Investment</p> <p>-SHE Officer</p> <p>-Exploration Manager</p>	None. However, continued improvement should be made when and where necessary.
Labour and Working Conditions	Poor labourers and working conditions on-site	<p>-Establish, maintain, and improve the worker-management relationship. The employment relationship should be based on equal opportunity and fair treatment, and discrimination is not allowed.</p> <p>-Comply with Namibia's labour and employment laws.</p>	<p>-Microzone Investment</p> <p>-SHE Officer</p>	None. However, continued improvement should be made when and where necessary.

Aspect	Activity/Impact	Current EMP Implementation Measures	Responsibility	Additional recommended mitigation measures
		<p>-Promote safe and healthy working conditions and the protection and promotion of worker health.</p> <p>-Document and communicate the Working Conditions and Terms of Employment.</p> <p>-Respect Collective Agreements and the right of workers to organise and bargain collectively. Implement a Grievance Mechanism.</p>		
Occupational and Community Health and Safety	General health and safety associated with project activities in both phases	<p>-Inductions should be provided to all project personnel and visitors. This should include an awareness training of the risks of mishandling equipment and materials on site, as well as health and safety risks associated with their respective jobs.</p> <p>-Project personnel should be properly equipped with adequate and appropriate personal protective equipment (PPE) such as coveralls, gloves, safety boots, earplugs, dust masks, safety glasses, etc.</p> <p>-Heavy vehicle, equipment, and fuel storage sites should be properly secured, and appropriate warning signage placed where visible.</p> <p>-The drilled holes should be temporarily properly marked for visibility and capped/closed off, and once completed, trenches should be backfilled.</p>	<p>-Microzone Investment</p> <p>-SHE Officer</p> <p>-Exploration Manager</p>	None. However, continued improvement should be made when and where necessary.

Aspect	Activity/Impact	Current EMP Implementation Measures	Responsibility	Additional recommended mitigation measures
		<p>-Drill cuttings and excavated materials should be put back into the hole to fill up, and trenches backfilled and leveled.</p> <p>-An emergency preparedness plan should be compiled, and all personnel appropriately trained.</p> <p>-Personnel should not be allowed to enter the working sites when under the influence of alcohol, as this may lead to mishandling of equipment, which results in injuries and other health and safety risks.</p> <p>-The site areas that are considered temporary risks and hazards, such as open trenches, should be equipped with "danger" or "cautionary" signs written in the local languages, i.e., Afrikaans and English.</p> <p>On the issue of social influx of outsiders and sexually transmitted diseases:</p> <p>-Prioritize the employment of more local people, and only if necessary and due to a lack of skills in the area, out-of-area people can be employed. This is to avoid the influx of outsiders for work that can be done by the locals.</p> <p>-Heavy vehicle, equipment, and fuel storage sites should be properly secured, and appropriate warning signage placed where visible.</p>		

Aspect	Activity/Impact	Current EMP Implementation Measures	Responsibility	Additional recommended mitigation measures
		<p>-The drilled holes that will no longer be in use or to be used later after being drilled should be properly marked for visibility and capped/closed off.</p> <p>-Trenches should be temporarily fenced off during sampling, and once completed, they should be backfilled thereafter.</p> <p>-Backfill trenches and fence them off when needed to be open longer than they should be (do not leave unsecured).</p> <p>-Ensure that after completion of holes and trenches, drill cuttings are put back into the hole and the holes filled and levelled, and trenches backfilled respectively.</p>		
	<p>Potential increase in the prevalence of HIV and AIDS, as well as other sexually transmitted diseases (STDs) prevalence</p>	<p>-The locals employed should be provided with the necessary training of skills required for the project to avoid bringing in many out-of-area employees. This way, skills development and transfer are ensured in the local community.</p> <p>-The project personnel should be engaged in health talks and training about the dangers of engaging in unprotected sexual relations, which result in contracting HIV/AIDS and other sexually related infections.</p> <p>-Provision of condoms and sex education through the distribution of pamphlets and health training. These pamphlets can be obtained from local health facilities.</p>	<p>-Microzone Investment</p> <p>-SHE Officer</p> <p>-Exploration Manager</p>	<p>None. However, continued improvement should be made when and where necessary.</p>

Aspect	Activity/Impact	Current EMP Implementation Measures	Responsibility	Additional recommended mitigation measures
Accidental fire outbreak	The risk of accidental fire from equipment, flammable prone areas such as the fuel tank area, and unmanaged materials such as plastics, papers, and dry wood on-site	<ul style="list-style-type: none"> -Portable, and frequently serviced fire extinguishers should be provided on site. -No open fires are to be created by project personnel. -Potential Flammable areas and structures, such as fuel storage tanks, should be marked as such with clearly visible signage. 	<ul style="list-style-type: none"> -Microzone Investment -SHE Officer -Exploration Manager 	None. However, continued improvement should be made when and where necessary.
Archaeology and heritage	Accidental disturbance of archaeological or heritage objects	<ul style="list-style-type: none"> -Microzone Investment should adhere to the provisions of Section 55 of the National Heritage Act No. 27 of 2004 if significant heritage and culture features are discovered while conducting site works. -On-site personnel and contractor crews must be sensitized to exercise and recognize “chance finds heritage”. -During the project works, it is important to take note and recognize any significant material being unearthed and make the correct judgment on which actions should be taken (refer to CFP Annexure B of this EMP). -When the removal of topsoil and subsoil on the site, the site should be monitored for subsurface archaeological materials by a qualified Archaeologist. 	<ul style="list-style-type: none"> -Microzone Investment -SHE Officer -Exploration Manager 	None. However, continued improvement should be made when and where necessary.

Aspect	Activity/Impact	Current EMP Implementation Measures	Responsibility	Additional recommended mitigation measures
Air Quality	Dust generation	<p>-Project vehicles on-site should not be driven at a speed of 40 km/h to avoid dust generation.</p> <p>-Dust masks, eye protective glasses, and other respiratory personal protective equipment (PPE) such as face masks should be provided to site personnel whenever they are exposed to dust.</p> <p>-Use a reasonable amount of water (water sprays) during windy months, on problematic areas such as access roads and at drilling sites to suppress the dust that may be emanating from certain site areas.</p>	<p>-Microzone Investment</p> <p>-SHE Officer</p> <p>-Exploration Manager</p>	None. However, continued improvement should be made when and where necessary.
Noise	Nuisance	<p>-Noise from operations' vehicles and equipment on the sites should be kept at acceptable levels.</p> <p>-Working hours should be restricted to between 07h30 and 17h00 to avoid noise and vibrations generated by equipment and the movement of vehicles before or after hours.</p> <p>-When operating the drilling machinery onsite, personnel should be equipped with personal protective equipment such as earplugs to reduce exposure to excessive noise.</p>	<p>-Microzone Investment</p> <p>-SHE Officer</p> <p>-Exploration Manager</p>	None. However, continued improvement should be made when and where necessary.
Social nuisance	Local properties disturbance and values	<p>-The personnel should be informed of the importance of respecting local properties (not to damage houses, fences, or snaring and killing their livestock and wildlife).</p>	<p>-Microzone Investment</p> <p>-SHE Officer</p>	None. However, continued improvement should be made when and where necessary.

Aspect	Activity/Impact	Current EMP Implementation Measures	Responsibility	Additional recommended mitigation measures
		<p>-Personnel found guilty of intruding on people's privately owned properties should be called in for a disciplinary hearing and/or dealt with as per their employer's code of employment conduct</p> <p>-Respect the communal and local private properties, values, and norms.</p> <p>-The killing of or in any way disturbing of local livestock and wildlife in the area (private or communal area) is prohibited.</p> <p>-Avoid cutting down or damaging private and community vegetation.</p>	<p>-Exploration Manager</p>	
<p>Accidental Fires</p>	<p>Outbreak of uncontrolled or accidental fires due to the use of machinery or the presence of open fires made by workers onsite.</p>	<p>-Firefighting measures as per the Material Safety Data should be provided, implemented, and adhered to.</p> <p>-The fire extinguisher should be properly serviced, with service date plans indicated.</p> <p>-Open fires are strictly prohibited on-site.</p> <p>-All personnel must be sensitised about responsible fire protection measures and good housekeeping, such as the removal of flammable materials, including waste, dry wood, and hydrocarbon-soaked soil from the vicinity of the site. Regular inspections should be carried out to check and remove these materials from the site.</p>	<p>--Exploration Manager</p> <p>-SHE Officer</p>	<p>None. However, continued improvement should be made when and where necessary.</p>

Aspect	Activity/Impact	Current EMP Implementation Measures	Responsibility	Additional recommended mitigation measures
		<p>-The Site should be equipped with sufficient firefighting resources. Regular surveys of the firefighting equipment should be carried out.</p> <p>-A responsive fire prevention plan does not solely include the availability of firefighting equipment, but more importantly, it involves premeditated measures and activities to timely prevent, curb, and avoid conditions that may result in fires.</p>		
Health, Safety, and Security	<p>Mishandling of different operational equipment, materials, and tools may lead to injuries and health risks or life-threatening risks.</p>	<p>-All Health and Safety standards specified in the Labour Act should be complied with. The responsible project contractor (or subcontractor) must ensure that all staff members are briefed about the potential risks of injuries on site.</p> <p>-Appropriate signage and warnings should be erected or put up at risky or danger-prone site areas, if any.</p> <p>-Ensure all workers are issued with protective eyewear and applicable PPE when working onsite.</p> <p>-Adhere to Health and Safety Regulations of personal protective clothing, first aid kits, warning signs, etc.</p>	<p>-Exploration Manager</p> <p>-SHE Officer</p>	<p>None. However, continued improvement should be made when and where necessary.</p>

Aspect	Activity/Impact	Current EMP Implementation Measures	Responsibility	Additional recommended mitigation measures
		<p>-Ensure that adequate emergency facilities, including first aid kits, are available on site, and knowledge of administering them is provided to workers. <u>A SHE Induction should be provided to every new person entering the site.</u></p> <p>-Equipment that must be locked away on site and must be placed in a way that does not encourage criminal activities.</p> <p>-Security personnel should prohibit unauthorised entry to the Site.</p>		
Soils	Physical disturbance of sensitive desert land (soils) by the movement of operational vehicles and machinery, and physical site works	<p>-Adjacent areas to the project site and unused areas within the site should not be disturbed.</p> <p>-The use of existing tracks, such as access roads, is essential to minimize the footprints on the already sensitive desert soils over time.</p> <p>-Ensure that when areas outside the project site boundaries are disturbed by project-related activities, rehabilitation should be conducted immediately once the activity has been completed.</p>	<p>-Exploration Manager</p> <p>-SHE Officer</p>	None. However, continued improvement should be made when and where necessary.
Dust and gaseous emissions	Dust and emissions generated during the operations are expected from untarred roads, particularly on windy days, from exposed desert soils.	<p>-Site Personnel are to be issued with dust masks for health reasons when needed.</p> <p>-Regular visual inspections should be done.</p> <p>-A complaint register should be kept on site.</p>	<p>-Exploration Manager</p> <p>-SHE Officer</p>	None. However, continued improvement should be made when and where necessary.

Aspect	Activity/Impact	Current EMP Implementation Measures	Responsibility	Additional recommended mitigation measures
Waste generation and management	<p>There is a generation of both general and human waste on-site.</p> <p>Potential soil polluted by hydrocarbons that may be handled on site, especially from accidental oil or fuel leaks from vehicles or equipment, should be treated as hazardous waste.</p>	<p>-The waste should continue to be disposed of at an approved and appropriate waste site.</p> <p>-Temporary waste disposal facilities should be present on site. This should include separate containers for products that can be reused or recycled.</p> <p>-Recycling of solid waste should be encouraged to minimise the amount of waste that goes to landfill.</p> <p>-The Site Personnel and visitors should continue using the provided ablution facilities to ensure continued better sewage management.</p>	<p>-Microzone Investment</p> <p>-Exploration Manager</p> <p>-SHE Officer</p>	<p>None. However, continued improvement should be made when and where necessary.</p>
Water resources (groundwater) and soil contamination	<p>Porous surface substrate can allow unwanted, hazardous, and ecologically detrimental substances to seep down to the water table either at the site of a spill or after being washed away by surface flow during heavy rainy seasons (flash floods).</p> <p>Accidental spills of fuel and other chemicals that may be used on-site might occur.</p>	<p>-All precautions are to be taken to prevent contamination of the soil, as this could enter the ecosystem.</p> <p>-Proper training of project personnel would reduce the possibility of the impact occurring, especially with onsite soil contamination.</p> <p>-Contaminated soil must be transported away from the site to an approved, appropriately classified waste disposal site. Contaminated soil should be remediated.</p>	<p>-Exploration Manager</p> <p>-SHE Officer</p>	<p>None. However, continued improvement should be made when and where necessary.</p>

Aspect	Activity/Impact	Current EMP Implementation Measures	Responsibility	Additional recommended mitigation measures
Archaeological and Heritage Impact	Sites or objects with archaeological or cultural significance might be uncovered on site. These can include graves, stone walls, or cultural artefacts.	<p>-Upon discovery of such sites or objects at some point on site or surroundings, it must be reported to the National Heritage Council of Namibia for further action/handling, and permit issuance for possible conservation.</p> <p>-The destruction, damage, or displacement of such sites is not allowed, but should be reported to the National Heritage Council of Namibia.</p>	-Exploration Manager	None. However, continued improvement should be made when and where necessary.

Table 4-3: The Decommissioning and Rehabilitation Measures of Project Activities

Aspect	Impact	Management and Mitigation Measure(s)	Key Performance Indicator (KPI)	Implementation Responsibility	Timeline
Decommissioning Phase and Site Rehabilitation					
Rehabilitation	Disturbance and damage to the land site land	<p>-All drilled boreholes and excavated pits related to the project activities should be capped and backfilled, respectively.</p> <p>-All waste generated and stored on site during project activities should be disposed of at solid waste sites.</p> <p>-The stockpiled topsoil should be levelled soon after completion of works at sites.</p> <p>-Any temporary setup on site should be dismantled, and the area rehabilitated as far as practicable.</p> <p>-Disturbed areas should be progressively rehabilitated by stockpiling and backfilling.</p>	<p>-Capped boreholes and backfilled pits</p> <p>-No sign of waste or littering was seen on site and around site areas.</p> <p>-No stockpiled topsoil (topsoil is levelled after completion of each work)</p> <p>-Photo records of backfilled sites</p>	<p>-Microzone Investment</p> <p>-Exploration Manager</p>	Progressive rehabilitation is done throughout the phase, and rehabilitation is done after completion of activities.

Aspect	Impact	Management and Mitigation Measure(s)	Key Performance Indicator (KPI)	Implementation Responsibility	Timeline
Infrastructure and structures	Decommissioning of services and infrastructures	<p>-Dismantling of temporary structures such as office structures and donating them to the communities. If it cannot be donated, the structural materials should be transported to the municipal dumpsite (upon prior consultation and approval by the local authority).</p> <p>-Structures should be donated to the communities if still in good condition and safe.</p> <p>-All the waste generated from the last disposal to the last days on site should be transported to the nearby approved municipal dumpsite.</p> <p>-Transport all machinery and equipment, as well as vehicles, to designated off-site storage facilities.</p>	<p>-Structures are demolished, and rubble is taken to an approved dumpsite</p> <p>-Useful and safe structures and infrastructures donated to communities</p> <p>-Waste transported to approved dumpsites</p>	<p>-Microzone Investment</p> <p>-Exploration Manager</p>	After the project works
Rehabilitation funds	The lack of financial and technical resources	-Make provision of both financial and technical resources for progressive rehabilitation.	-Records of finances set aside for decommissioning activities	<p>-Microzone Investment</p> <p>-Exploration Manager</p>	Updated throughout the project life cycle

5 ENVIRONMENTAL MONITORING, COMPLIANCE, AND AUDITING

To ensure that the implementation of recommended environmental management measures is working and produces the desired results (to maintain the low significance ratings of impacts), the impacts and implementation of measures will need to be monitored and reported on.

5.1 Monitoring of EMP Implementation and ECC Renewal

Environmental (during the validity period of the ECC): Bi-Annual Compliance Monitoring of the EMP implementation should be done throughout the project cycle, i.e., twice a year (every 6 months). Should the ECC be renewed, environmental monitoring reports should be compiled and submitted to the DEAF for archiving through provision made on the ECC Portal. This practice will make the ECC renewal easier when it is about to expire in the future. Therefore, the EMP implementation should be effectively monitored, and monitoring reports submitted to the DEAF at the MEFT. The submission is also done in compliance with the environmental legislation and conditions of environmental clearances.

5.2 Environmental Awareness

Microzone Investment should ensure that the employees and any third party who carries out all or part of their obligations are adequately trained regarding the implementation of the EMP, as well as regarding environmental legal requirements and obligations. Training may be conducted by the SHE Officer, where necessary.

Environment and health awareness training programmes should be targeted at three distinct levels of employment, i.e., the executive, middle management, and labour. Environmental awareness training programmes shall contain the following information:

1. The names, positions, and responsibilities of personnel to be trained.
2. The framework for appropriate training plans.
3. The summarized content and schedule for the presentation of the training courses.
4. The SHE Officer shall ensure that records of all training interventions are kept by record-keeping and documentation control requirements as set out in this EMP. The training records shall verify each of the targeted personnel's training experience.

The recommendations and conclusions made for this document are in the next chapter.

6 RECOMMENDATIONS AND CONCLUSIONS

6.1 Recommendations

The project and associated activities are well limited within the site boundaries, and Microzone Investment has been implementing the EMP onsite.

Therefore, Serja Consultants are confident that the potential negative impacts associated with the project activities onsite can continue to be mitigated by effectively implementing the recommended management action measures. Furthermore, the implementation of the new mitigation measures, more effort and commitment put into continuous improvement on EMP implementation, bi-annual environmental monitoring, and the protection of the environment and management of negative impacts can be achieved. It is therefore recommended that the project and its associated activities be granted a new ECC, provided that:

- All the management measures (mitigations) recommended herein continue to be implemented effectively, and new mitigation measures with compliance emphasis pointed out in Table 4-2 and where required, improvement should be effectively put in place.
- All required permits/licenses, approvals, and document renewals for the project activities are obtained as required and renewed accordingly.
- Microzone Investment and project workers, contractors (and subcontractors), and or specialists comply with the legal requirements governing their project and its associated activities.
- All the necessary environmental and social (occupational health and safety) precautions are adhered to.
- The EMP implementation monitoring (bi-annual environmental monitoring) should be continued, and bi-annual environmental monitoring reports submitted to the MEFT, and reports uploaded on the ECC Portal. This is to ensure that there is an in-between track record of monitoring before the expiry date of the previous ECCs.
- To ensure timely renewal of the next ECC, the ECC renewal application should be submitted before the expiry date of the valid ECC. This is to allow time for the evaluation of the ECC application and updated EMP by the DEAF and approval by the Environmental Commissioner.

6.2 Conclusions

The Environmental Consultant recommends that the 2022 ECC be renewed so that project activities can positively contribute to the economic opportunity, should exploration be successful.

The site is generally well-kept and adheres to the site and activity-specific environmental management requirements. Therefore, the Environmental Consultant trusts that Microzone Investment will continue to maintain the same commitment towards environmental sustainability, effectively implement updated mitigation measures (which include obtaining the listed permits and preparation of bi-annual environmental monitoring reports), and ensure the timely renewal of all their ECCs in the future.

In conclusion, Microzone Investment, contractors, and or specialists should continue with the effective implementation of the recommended management measures to protect both the biophysical and social environment and promote sustainable development.

**ANNEXURE A: COPY OF THE CURRENT AND VALID
ENVIRONMENTAL CLEARANCE CERTIFICATE (ECC) –
ECC NO. APP-3485**



REPUBLIC OF NAMIBIA
MINISTRY OF ENVIRONMENT, FORESTRY AND TOURISM

OFFICE OF THE ENVIRONMENTAL COMMISSIONER

ENVIRONMENTAL CLEARANCE CERTIFICATE

ISSUED

In accordance with Section 37(2) of the Environmental
Management Act (Act No. 7 of 2007)

TO

Microzone Investment CC
P.O. Box 64, Luderitz

TO UNDERTAKE THE FOLLOWING LISTED ACTIVITY

Proposed Prospecting and Exploration Activities on Exclusive
Prospecting License (EPL) 7746 near Helmeringhausen Settlement,
//Karas Region.



ENVIRONMENTAL COMMISSIONER

Issued on the date: 2022-09-28
Expires on this date: 2025-09-28

(See conditions printed over leaf)

This certificate is printed without erasures or alterations

Reduce
Reuse
Recycle



CONDITIONS OF APPROVAL

1. This environmental clearance is valid for a period of 3 (three) years, from the date of issue unless withdrawn by this office
2. This certificate does not in any way hold the Ministry of Environment, Forestry and Tourism accountable for misleading information, nor any adverse effects that may arise from these activities. Instead, full accountability rests with the proponent and its consultants
3. This Ministry reserves the right to attach further legislative and regulatory conditions during the operational phase of the project
- 4.
5. All applicable and required permits are obtained and mitigation measures stipulated in the EMP are applied particularly with respect to management of ecological impacts.
6. Strict compliance with national heritage guidelines and regulations is expected throughout the life-span of the proposed activity, therefore any new archaeological finds must be reported to the National Heritage Council for appropriate handling of such.

ANNEXURE B: CHANCE FINDS PROCEDURE (AFTER KINAHAN, 2020)

Areas of proposed development activity are subject to heritage survey and assessment at the planning stage. These surveys are based on surface indications alone, and it is therefore possible that sites or items of heritage significance will be found during development work. The procedure set out here covers the reporting and management of such finds.

Scope: The “*chance finds*” procedure covers the actions to be taken from the discovery of a heritage site or item to its investigation and assessment by a trained archaeologist or other appropriately qualified person.

Compliance: The “chance finds” procedure is intended to ensure compliance with relevant provisions of the National Heritage Act (27 of 2004), especially Section 55 (4): “*a person who discovers any archaeological... objectmust as soon as practicable report the discovery to the Council*”. The procedure of reporting set out below must be observed so that heritage remains reported to the NHC are correctly identified in the field. The manager/Supervisor must report the finding to the following competent authorities:

- National Heritage Council of Namibia (+264 61 244 375/Technical Office +264 61 301 903)
- National Museum (+264 61 276 800),
- National Forensic Laboratory (+264 61 240 461).

Archaeological material must NOT be touched. Tampering with the materials is an offence under the Heritage Act and punishable upon conviction by the law.

Responsibility:

Operator:	To exercise due caution if archaeological remains are found
Foreman:	To secure the site and advise management timely
Superintendent:	To determine the safe working boundary and request an inspection
Archaeologist:	To inspect, identify, advise management, and recover remains

Procedure:Action by a person identifying archaeological or heritage material:

- a) If operating machinery or equipment, stop work
- b) Identify the site with a flag tape
- c) Determine the GPS position if possible
- d) Report findings to the foreman

Action by the foreman

- a) Report findings, site location, and actions taken to the superintendent
- b) Cease any works in the immediate vicinity

Action by the superintendent

- a) Visit the site and determine whether work can proceed without damage to findings
- b) Determine and mark the exclusion boundary
- c) Site location and details to be added to the project GIS for field confirmation by the archaeologist

Action by Archaeologist

- a) Inspect the site and confirm the addition to the project GIS
- b) Advise NHC and request written permission to remove findings from the work area
- c) Recovery, packaging, and labelling of findings for transfer to the National Museum

In the event of discovering human remains

- a) Actions as above
- b) Field inspection by an archaeologist to confirm that the remains are human
- c) Advise and liaise with NHC and Police
- d) Recovery of remains and removal to the National Museum or National Forensic Laboratory, as directed.

ANNEXURE C: PROOFS OF SUBMITTED BI-ANNUAL ENVIRONMENTAL MONITORING REPORTS

Date: 06 March 2023

The Environmental Commissioner
The Department of Environmental Affairs and Forestry
Ministry of Environment, Forestry and Tourism
Private Bag 13306
Windhoek, Namibia



Attention: Mr. T. Mufeti

Dear Sir

Re: Submission of the Bi-Annual Environmental Monitoring Report for the Mineral Prospecting and Exploration on Exclusive Prospecting License (EPL) No. 7746 near Helmeringhausen in the //Karas Region (First Bi-Annual Monitoring Report – 01 October 2022 to 28 February 2023) – ECC No. APP-3485

Microzone Investment CC (the Proponent) was granted an Environmental Clearance Certificate (ECC) for mineral prospecting and exploration activities on Exclusive Prospecting License (EPL) No. 7746.

From the 01 January 2023 to 11 February 2023, some mineral prospecting and exploration activities were carried out on the EPL in January 2023 (desktop and mapping) and February 2023 (geochemical sampling). Monitoring of the implementation of the EMP associated with this EPL was carried out during this period. In fulfillment of the conditions of the ECC particularly Condition 15, Serja Hydrogeo-Environmental Consultants conducted a monitoring of the EMP implementation onsite based on the project activities carried out during that period.

The Report accompanying this letter has therefore been prepared for the first Bi-Annual Environmental Audit.

Should you or your office require further information, please do not hesitate to contact us.

Yours Sincerely,

Ms. Fredrika Shagama: Principal Environmental Assessment Practitioner & Hydrogeologist

Serja Hydrogeo-Environmental Consultants CC

Mobile No.: +264 (0) 81 407 5536 / 81 749 9223

Email: fredrika@serjaconsultants.com

Date: 05 September 2023

The Office of the Environmental Commissioner
The Department of Environmental Affairs and Forestry
Ministry of Environment, Forestry and Tourism
Private Bag 13306 Windhoek, Namibia



Attention: Mr. Timoteus Mufeti

Dear Sir

Re: Bi-Annual Environmental Monitoring Report for the Mineral Prospecting and Exploration on Exclusive Prospecting License (EPL) No. 7746 near Helmeringhausen in the //Karas Region (Second Bi-Annual Monitoring Report – 07 March 2023 to 04 September 2023) – ECC No. APP-3485

Microzone Investment CC was granted an Environmental Clearance Certificate (ECC-3485) for mineral prospecting and exploration activities on Exclusive Prospecting License (EPL) No. 7746. Some mineral prospecting and exploration activities were carried out on the EPL in January 2023 (desktop and mapping) and February 2023 (geochemical sampling). In fulfilment of the ECC conditions, monitoring of the implementation of the Environmental Management Plan (EMP) for the EPL was carried out during that period.

The Project Activities between March 2023 and September 2023

The renewal application for the EPL had been submitted to the Ministry of Mines and Energy (MME) in November 2022, preceding the January/February 2023 soil and rock sampling activities onsite. However, the new EPL certificate has not been issued yet, thus, project activities have been put on hold, i.e., no further activities had been undertaken on the EPL after its expiry date (between March 2023 and September 2023).

The Report accompanying this letter has been prepared as a second Bi-Annual Environmental Monitoring (Update) to the Office of the Environmental Commissioner.

Yours Sincerely,

Ms. Fredrika Shagama: Principal Environmental Assessment Practitioner & Hydrogeologist

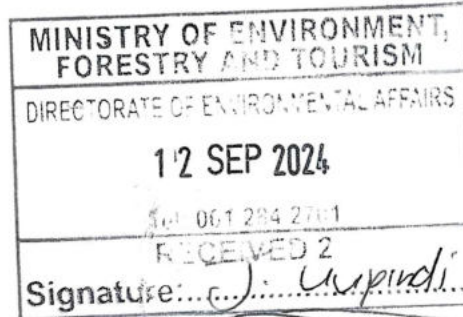
Serja Hydrogeo-Environmental Consultants CC

Mobile No.: +264 (0) 81 407 5536 / 81 749 9223, Email: fredrika@serjaconsultants.com



Date: 10 September 2024

The Office of the Environmental Commissioner
The Department of Environmental Affairs and Forestry
Ministry of Environment, Forestry and Tourism
Private Bag 13306 Windhoek, Namibia



Attention: Mr. Timoteus Mufeti

Dear Sir

Re: Bi-Annual Environmental Monitoring Report for the Mineral Prospecting and Exploration on Exclusive Prospecting License (EPL) No. 7746 near Helmeringhausen in the //Karas Region (Second Bi-Annual Monitoring Report for the period of 04 September 2023 to 04 September 2024 – ECC No. APP-3485

Microzone Investment CC was granted an Environmental Clearance Certificate (ECC-3485) for mineral prospecting and exploration activities on Exclusive Prospecting License (EPL) No. 7746. Some mineral prospecting and exploration activities were carried out on the EPL in January 2023 (desktop and mapping) and February 2023 (geochemical sampling). In fulfilment of the ECC conditions, monitoring of the implementation of the Environmental Management Plan (EMP) for the EPL was carried out during that period.

The Project Activities between September 2023 and September 2024

Given the fact that the EPL was undergoing renewal evaluation by September 2023, there has been no exploration activities on the EPL to date. In other words, apart from soil and rock sampling activities done onsite in 2023, no exploration activities have been done on the EPL between September 2023 and September 2024. The EPL renewal certificate was issued in July 2024, thus, the Proponent is preparing to resume with exploration activities

The Report accompanying this letter has been prepared as a third Bi-Annual Environmental Monitoring (Update) to the Office of the Environmental Commissioner for EPL-7746.

Yours Sincerely,

Ms. Fredrika Shagama: Principal Environmental Assessment Practitioner & Hydrogeologist

Serja Hydrogeo-Environmental Consultants CC

Mobile No.: +264 (0) 81 407 5536 / 81 749 9223, Email: fredrika@serjaconsultants.com