

# **ENVIRONMENTAL MANAGEMENT PLAN (EMP)**

The Proposed Prospective and Exploration Activities on Exclusive Prospecting License (EPL) No. 8760 Located Near Omaruru in the Erongo Region

**ECC Application Reference No.: APP-00330** 

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#### 1 INTRODUCTION

#### 1.1 Project Background

Africa Big Lion Mining (Pty) Ltd (hereinafter referred to as The Proponent) has applied to the Ministry of Mines and Energy (MME) to be granted an Exclusive Prospecting Licence (EPL) No. 8760 on the 07th of February 2022. However, the approval and granting of the EPL is subjected to an Environmental Clearance Certificate, thus the "pending ECC" status on the mining cadaster portal. The 34 213. 3877 hectares (ha) EPL is located about 7.10 km east of Omaruru in the Erongo Region (**Figure 1**).

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The EPL covers (overlies) Farm Omupyu Nord 74, Kamombonde Ost 86, Otjandaue 235, Zombumapu 73, Parry 145, Waldfrieden 72, Kristal 208, Omaruru Town and Townland 85, Forstland 89, Okaokasjoti West 87 and Kakombo 90 (**Figure 2**). The EPL aims to prospect and explore for commodities such Base & Rare Metals, Dimension Stones, Industrial Minerals, Precious Metals and Semi-Precious Stones.

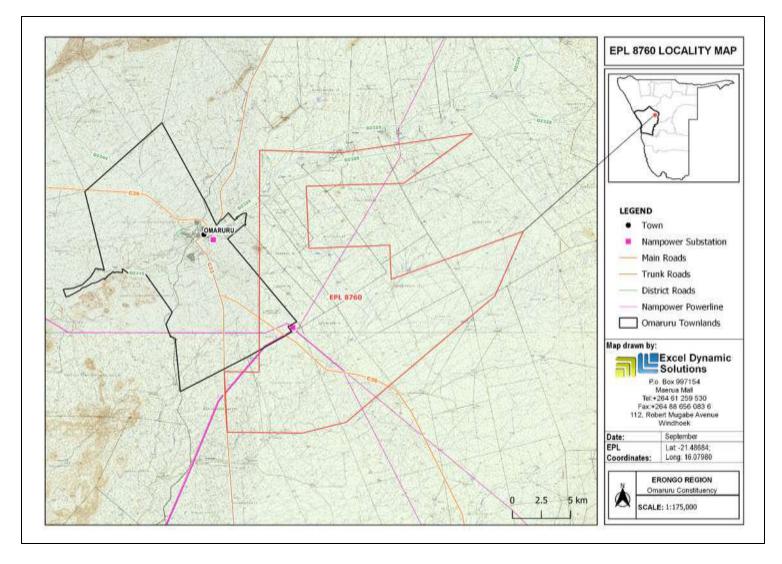


Figure 1: Location of EPL 8760 near Omaruru in the Erongo Region

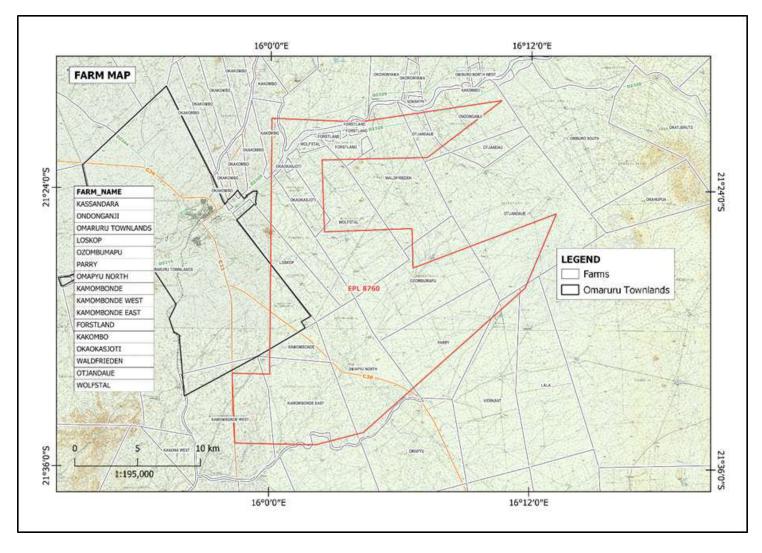


Figure 2: Land Use Map (EPL 8760)

Section 27 (1) of the Environmental Management Act (EMA), no. 7 of 2007 and in line with Sections 32-37 of the EMA as gazetted in 2012, the proposed prospecting and exploration activities on the EPL 8092 form part of the listed activities that may not be conducted without an EIA being undertaken. The relevant listed activities as per EIA regulations are:

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- 3.1 The construction of facilities for any process or activities which requires a license, right
  of 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).
- 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.

This statutory document has been prepared as per requirement in accordance with Section 8 of the EMA (No. 7 of 2007). The compilation of this EMP is one of the requirements (scope of work) presented to Excel Dynamic Solutions (Pty) Ltd by The Proponent. It is required of the Environmental Consultant to comply with the EMA and provide for the following:

- Prepare an explicit Environmental Management Plan to be used as a guideline to monitor compliance to the recommendations stipulated in the EIA and to assist in managing and monitoring activities throughout exploration and maintenance of the proposed exploration activities and sites on the EPL.
- The Environmental Consultant must clearly elucidate in the EMP the roles and responsibilities of the Proponent, the contractors, and any other identified stakeholders.

# 1.2 Aim of the Draft Environmental Management (EMP)

Regulation 8(j) of the EIA Regulations (2012) requires that a draft Environmental Management Plan (EMP) shall be included as part of the Environmental Assessment (EA) scoping report. A 'Management Plan' is defined as:

"...a plan that describes how activities that may have significant environments effects on the environment are to be mitigated, controlled and monitored."

An EMP is one of the most important outputs of the EA process as it synthesizes all the proposed management & mitigation and monitoring actions, set to a timeline and with specific assigned responsibilities. It provides a link between the impacts identified in the EA process and the required mitigation measures to be implemented during exploration. It is important to note that an

EMP is a statutory document and a person who contravenes the provisions of this EMP may face imprisonment and/or a fine. This EMP is a living document and can be amended to adapt to address project changes and/or environmental conditions and feedback from compliance monitoring.

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The purpose of this document is, therefore, to guide environmental management throughout the different phases of the proposed exploration activities, namely: planning, prospecting & exploration, and decommissioning & rehabilitation phase:

- Planning phase This is the stage of the proposed project during which the Proponent prepares all the administrative and technical requirements needed for the actual works on the ground. The planning includes things like obtaining the necessary permitting and authorization from relevant national and local stakeholders (such as affected parties), facilitating the recruitment and procurement processes, etc., in preparation of the exploration activities (and site maintenance).
- Prospecting and Exploration phase This is the phase where The Proponent will do
  prospecting and exploration activities for the targeted commodities groups and undertake
  related activities on site. It is also the phase during which maintenance of the area,
  equipment and machinery is done by The Proponent.
- Decommissioning and Rehabilitation This is the phase during which the exploration
  activities on the EPL cease. The decommissioning of the EPL exploration activities may
  be considered because of poor results or declining in the focus commodity market price.
  Before the decommissioning phase, The Proponent will need to put site rehabilitation
  measures in place.

**Environmental Monitoring Requirements:** To support and ensure that the proposed mitigation measures are achieving the desired results, a monitoring plan must be implemented alongside the mitigation plan.

This draft EMP will be used by The Proponent, employees and/or contractors to provide management measures to be undertaken during mining activities, to address the environmental impacts identified in the scoping report and ensure that the impacts on the environment are avoided or limited if they cannot be avoided completely.

# 1.3 Appointed Environmental Assessment Practitioner

To fulfill the requirements of the EMA and its 2012 EA Regulations, The Proponent appointed Excel Dynamic Solutions (Pty) Ltd (EDS), an independent consulting company to conduct the required EA process on their (Proponent's) behalf. This draft EMP will be submitted as part of an application for the proposed exploration method on the EPL to the Environmental Commissioner at the Department of Environmental Affairs and Forestry (DEAF), at Ministry of Environment, Forestry and Tourism (MEFT).

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# 1.4 Environmental Assessment Legal Requirements

The content of the EMP must meet the requirements of Section 8 (j) of the EIA Regulations. The EMP must address the potential environmental impacts of the prospecting and exploration activities on the environment throughout the project life cycle. It must also include a system for assessment of the effectiveness of monitoring and management arrangements after project implementation.

The Proponent, therefore, has the responsibility to ensure that the exploration activities as well as the EA process conform to the principles of the EMA and must ensure that employees act in accordance with such principles. **Table 1** below lists the requirements of an EMP as stipulated by Section 8 (e) of the EIA Regulations, primarily on specific approvals and permits that may be required for the activities required of the EPL.

Table 1: Applicable legal requirements and permits to the activities of the EPL 8092

Legislation/Policy/ Guideline	Relevant Provisions	Implications for this project
Environmental Management Act	Requires that projects with	The EMA and its regulations should inform
EMA (No 7 of 2007)	significant environmental	and guide this EA process.
	impacts are subject to an	
	environmental assessment	
	process (Section 27).	

Legislation/Policy/ Guideline	Relevant Provisions	Implications for this project
	Details principles which are to	Should the ECC be issued to the Proponent,
	guide all EIAs.	it should be renewed every 3 years,
Environmental Impact	Details requirements for public	counting from the date of issue.
Assessment (EIA) Regulations	consultation within a given	Contact details at the Department of
GN 28-30 (GG 4878)	environmental assessment	Environmental Affairs and Forestry (DEAF),
	process (GN 30 S21).	Ministry of Environment, Forestry and
	,	Tourism (MEFT),
	Details the requirements for what	, ,
	should be included in a Scoping	Office of the Environmental
	Report (GN 30 S8) and an	Commissioner
	Assessment Report (GN 30	Tel: +264 61 284 2701
	S15).	
Minerals (Prospecting and	Section 48 (3): To enable the	The Proponent should ensure that all
Mining)	Minister to consider any	necessary permits/authorization for these
Act (No. 33 of 1992)	application referred to in section	EPL are obtained from the Ministry of Mines
/ (1101 00 01 1002)	47 the Minister may (b) require	and Energy (MME).
	the person concerned by notice	Contact person and details at the MME
	in writing to (i) carry out or cause	Mining Commissioner
	to be carried out such	-
	environmental impact studies as	Tel: +264 61 284 8167
	may be specified in the notice.	
	Section 54(2): details provisions	
	pertaining to the	
	decommissioning or	
	abandonmentofa mine.	
	Under this Act (Section 51 (1a)),	The Proponent must timeously enter into
	holder of a mineral license	and sign access and land use agreement
	cannot exercise any rights on a	(consent) with the respective affected
	private land until the holder has	parties.
	entered into an agreement with	·
	the owner regarding payment of	
	compensation.	
Petroleum Products and Energy	Regulation 3(2)(b) states that	The Proponent should obtain the necessary
Act (No. 13 of 1990) Regulations	"No person shall possess or store	authorisation form the MME for the storage
(2001)	any fuel except under authority of	of fuel on-site.
(2001)	a license or a certificate,	
	excluding a person who	Ministry of Mines and Energy:
	possesses or stores such fuel in	Director – Petroleum Affairs

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Legislation/Policy/ Guideline	Relevant Provisions	Implications for this project
	a quantity of 600 litres or less in any container kept at a place outside a local authority area"	Tel: +264 61 284 8291
Forestry Act 12 of 2001, Amended Act 13 of 2005	Prohibits the removal of any vegetation within 100 m from a watercourse (Forestry Act S22 (1)). The Act prohibits the removal of and transport of various protected plant species.	Should there be protected plant species, which are known to occur within the project site, these are required to be removed and a permit should be obtained from the nearest Forestry office (Ministry of Environment, Forestry and Tourism (MEFT)) prior to removing them.  Director of Forestry Division  Tel: +264 61 208 7320
National Heritage Act No. 76 of 1969	Call for the protection and conservation of heritage resources and artefacts.	Should any archaeological material, such as bones, old weapons/equipment etc be found on the EPL site, work should stop immediately, and the National Heritage Council of Namibia must be informed as soon as possible. The Heritage Council will then decide to clear the area or decide to conserve the site or material.  Contact Details at National Heritage Council of Namibia  Regional Heritage Office — National Heritage Council of Namibia  Tel: (06) 301 903

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# 1.5 Draft EMP Limitations

This EMP has been drafted with the acknowledgment of the following limitations:

 This EMP has been drafted based on the Environmental Assessment (EA) conducted for targeted prospecting and exploration activities of such Base & Rare Metals, Dimension Stones, Industrial Minerals, Precious Metals and Semi-Precious Stones on EPL 8760.

• The mitigation measures recommended in this EMP document are based on the risks/impacts in the ESA Report which are identified based on the project description as provided by the Proponent, site investigation and public input. Should the scope of the proposed project change, the risks/impacts will have to be reassessed and mitigation measures provided accordingly.

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#### 2 EMPROLES AND RESPONSIBILITIES

The Proponent is ultimately responsible for the implementation of the EMP. However, the Proponent may delegate this responsibility at any time, as they deem necessary during the project. The roles and responsibilities of all delegates/parties involved in the effective implementation of this EMP are set out below:

# 2.1 Competent Monitoring Authority: Department of Environmental Affairs and Forestry (DEAF, MEFT))

The DEAF is responsible for enforcing compliance with the EMA, its regulations and full implementation of this EMP. The competent authority also reviews biannual reports and grant ECC renewal after 3 years.

# 2.2 The Proponent or Proponent's Representative (PR)

If the Proponent does not personally manage all aspects and phases' activities referred to in this EMP, they should assign this responsibility to a suitably qualified individual referred to in this plan as the Proponent's Representative (PR). The PR may be appointed to manage all phases of the project, or to manage only the EMP aspects for the project. The PR's responsibilities may include:

- 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.
- Issuing fines for contravening EMP provisions.

# 2.3 Exploration Manager (as appropriate)

This individual will be responsible to ensure that the exploration activities of the project are completed on time. The Manager's duties and responsibilities will include:

Ensure that relevant commitments contained in the EMP Action Plans are adhered to.

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- Ensure relevant staff is trained in procedures entailed in their duties.
- Maintain records of all relevant environmental documentation for the project.
- Reviewing the EMP annually.
- Issuing fines to individuals who may be in breach of the EMP provision and if necessary, removing such individuals from the site.
- Cooperate with all relevant interested and affected parties/stakeholders.
- Development and management of schedules for daily activities.

# 2.4 Environmental Control Officer (ECO)

The Proponent may assign the responsibility of ensuring EMP compliance throughout the project life cycle to a designated member of staff or external qualified and experienced persons, referred to in this EMP as the Environmental Control Officer (ECO) or Safety, Health and Environment (SHE) Officer. The ECO/SHE will have the following responsibilities:

- Management and facilitation of communication between the Proponent, PR and Interested and Affected Parties (I&APs) regarding this EMP.
- Conducting site inspections (recommended frequency is monthly or weekly as recommended – please refer to Table 3) of all areas with respect to the implementation of this EMP (monitor and audit the implementation of the EMP).
- Advising the PR on the removal of person(s) and/or equipment not complying with the provisions of this EMP.
- Making recommendations to the PR with respect to the issuing of fines for contraventions of the EMP.
- Undertaking an annual review of the EMP and recommending additions and/or changes to this document.
- Ensuring that the exploration activities on site are conducted in accordance with the International System organization (ISO) standard 14001: 2015.

#### Archaeology: Chance Finds Procedure (CFP) Implementation Roles

The following personnel have been assigned responsibilities as per the Chance Finds procedure (Appendix 1):

- Operator: To exercise due caution if archaeology remains are found.
- Foreman: To secure site and advise management timeously.

Superintendent: To determine safe working boundary and request inspection.

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• Archaeologist: To inspect, identify, advise management, and recover remains.

The Proponent should assess these commitments in detail and should acknowledge their obligation to the specific management actions detailed in the Tables under the following sections.

#### 3 ENVIRONMENTAL MANAGEMENT & MITIGATION MEASURES

#### 3.1 Management of Key Potential Adverse Environmental Impacts

From the assessment conducted, the following key potential negative impacts have been identified and are summarized below.

- Potential disturbance of grazing land areas,
- Physical land / soil disturbance
- Impact on local biodiversity (fauna and flora) and habitat disturbance and potential illegal wildlife hunting (poaching) in the area.
- Potential impact on water resources and soils particularly due to pollution,
- Air quality issue: potential dust generated from the project.
- Potential occupational health and safety risks
- Vehicular traffic safety and impact on 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
- Potential social nuisance and conflicts (theft, damage to properties, etc.).

# 3.2 Aim of the Environmental Management Plan Actions

The aim of the management actions of the EMP is to avoid the above-listed potential negative impacts, where possible. Where impacts cannot be avoided, measures are provided to reduce the significance of these impacts.

Management actions recommended for the potential impacts rated in the ESA carried out for the prospecting and exploration activities were based on the following project stages (phases):

• Planning, Prospecting and Exploration (and site maintenance) phases (**Table 2**)

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- Monitoring (Table 3)
- Decommissioning and Rehabilitation (Section 3.5).

The responsible person(s) should assess these actions in detail and acknowledge their commitment to the specific management actions detailed in the phases given under the following subsections.

# 3.3 Planning, Prospecting and Exploration Phase Management Action Plans (Mitigation Plan)

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The management action plans recommended for this phase are presented in **Table 2** below.

Table 2: Management and mitigation action plans for the planning and exploration phases

Aspect	Impact	Management and Mitigation Measure(s)	Key Performance Indicator (KPI)	Implementation Responsibility	Resources	Timeline
		Р	LANNING PHASE			
EMP implementation and training	Lack of EMP awarenessand implications thereof	-A Comprehensive Health and Safety Plan for the project activities should be compiled. This will include all the necessary health, safety, and environmental considerations applicable to respective works on sites.  An EMP non-compliance penalty system should be implemented on site.	-All required Plans and systems are compiled and in place and Environmental Control Officer (ECO) is appointed	Proponent	EMP implementation Plans and Systems	Pre-exploration works
		The Proponent should appoint an ECO to be responsible for managing the EMP implementation and monitoring.				
Authorizations	Lack of Agreements, Permits/ Licenses	-All the required agreements and licenses or permits should be applied for and signed, respectively before commencement of work on the EPL, or as required.  -The permits, agreements referred	-Applicable permits and licenses to obtained from relevant authorities and kept on site for records keeping and future inspections.	Proponent	Proponent  Respective authorities and services provider(s)	Prior to exploration works
		to herein include:	-Agreements/permits signed and obtained from on time, min. 2			

Aspect	Impact	Management and Mitigation Measure(s)	Key Performance Indicator (KPI)	Implementation Responsibility	Resources	Timeline
Communication between the	Lack of communication	<ul> <li>land access by the landowners.</li> <li>waste management disposal permits from the relevant facility operator/owner</li> <li>water supply agreements.</li> <li>Onsite fuel storage permit from MME for any petroleum stored onsite.</li> <li>The Proponent should appoint a Public Relation Officer (PRO) to</li> </ul>	months prior to planned commencement date of works.	Proponent	PRO	PRO appointment
Proponent and other neighbouring land users and custodians	(proper liaison) between other land users and Proponent with regards to land use	liaise with the land users.  -A clear communication procedure/plan which should include a grievance mechanism.	-Ongoing Landowners' Engagement & Consultation throughout the project cycles, when and as required. PRO contact details to be provided to the affected landowners		Complaint's logbook	PRO appointment (Prior to project activities) and their responsibilities throughout the project activities
Employment	Creation of employment opportunities	-Non-skilled labour should be sourced from the locally affected area (people from the local communities), in accordance with	-Number of locals employed for exploration activities	Proponent in collaboration with the Exploration	Record of employees	Pre-project activities and when necessary, throughout

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Aspect	Impact	Management and Mitigation Measure(s)	Key Performance Indicator (KPI)	Implementation Responsibility	Resources	Timeline
		procedures approved by the relevant authorities.  -Preference of local people for employment for jobs should be implemented, i.e., permanent residents from the surrounding areas should be employed for the unskilled labour preferentially to out-of-area people (outsiders) where possible. Out-of-area employment should be justified, for example bythe unavailability of local skills only.  -Equal opportunity should be provided for both men and women, when and where possible.		Manager (if necessary)		
Specialised procurement of services	Contractors and services	-All services related to exploration activities such as trenching/pitting and drilling that the Proponent may need, preference should be given to local providers of such services. If not available locally, the services search should be extended to a regional level (Erongo Region), nationally and lastly, internationally.	Number of hired contractors.	Proponent  Exploration Manager	Record of hired or contracted companies or services providers	Pre-project activities and when necessary, throughout

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Aspect	Impact	Management and Mitigation Measure(s)	Key Performance Indicator (KPI)	Implementation Responsibility	Resources	Timeline
EMP implementation and training	Lack of EMP awarenessand implications thereof	-EMP trainings should be provided to all new workers on site.  -All site personnel should be aware of necessary health, safety, and environmental considerations applicable to their respective work.  -The implementation of this EMP should be monitored.  The site should be inspected, and a compliance audit done throughout the project activities, monthly.  An EMP non-compliance penalty system should be implemented on site.	Compliance monitoring conducted bi-annually and should be recorded.	ECO	Bi-annual reports  Records of EMP training conducted.	Throughout the exploration phase and as required
Communication between the Proponent and other neighbouring land users and custodians	Lack of communication (proper liaison) between landowners and Proponent with regards to land use	-The PRO should be introduced to the land owners and his or her contact details provided to them prior to undertaking activities for easy communication during exploration activities.  The Proponent should compile a clear communication procedure / plan which should include a grievance and response mechanism.	PR is part of the project personnel.  Ongoing land owners' Engagement & Consultation throughout the project cycles, when and as required  -Community grievances addressed to their satisfaction	PR	Complaint's logbook PRO contact details to be provided to the affected land users.  Records of land owners' consultation  Land access agreement conditions	Throughout the exploration activities

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Aspect	Impact	Management and Mitigation Measure(s)	Key Performance Indicator (KPI)	Implementation Responsibility	Resources	Timeline
Grazing land	Loss of grazing areas	-Any unnecessary removal or destruction of grazing land, due to exploration activities should be avoided.	-Limited cleared sites -Less access tracks	Proponent / Exploration Manager	Grievance logbook	Throughout the phases
		-Vegetation found on the site, but not in the targeted exploration areas should not be removed but left to preserve biodiversity and grazing land.	-Complaints from land owners regarding significant land/vegetation clearing	ECO		
		-Workers should refrain from driving off road and creating unnecessary tracks that may contribute to loss of grazing land.				
		-Environmental awareness on the importance of the preservation of grazing land for local livestock should be provided to the workers.				
Water Resources Use	Water demand and availability)	-Drinking water abstracted from boreholes or supplied by carting should be used efficiently, and recycling and re-using of water on certain site activities should be encouraged, where necessary and possible.	Water supply agreements  Proof/ recording/ quantification of water saving efforts.	Proponent	Water supplier  Water supplying agreements	Once off supply agreement
		-The Proponent should consider carting water for drilling from elsewhere outside the site area such as from Omaruru to relieve pressure of the available resources. Agreements of water				

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Aspect	Impact	Management and Mitigation Measure(s)	Key Performance Indicator (KPI)	Implementation Responsibility	Resources	Timeline
		supply should be made between the willing water supplier and the Proponent.				
		-Water reuse/recycling methods should be implemented as far as practicable such that the water used to cool off exploration equipment should be captured and used for the cleaning of project equipment, if possible.		Exploration Manager	Proponent  Water storage tanks on site	Throughout the exploration phase
		-Water storage tanks should be inspected daily to ensure that there is no leakage, resulting in wasted water on site.				
		-Water conservation awareness and saving measures training should be provided to all the project workers in both phases so that they understand the importance of conserving water and become accountable.				
Soils	Physical soil/land disturbance and loss of topsoil	-Overburden soils and rocks should be handled more efficiently during operations to avoid erosion when subjected erosional processesStockpiled topsoil and drill materials should be used to backfill the excavated and disturbed site areas/spots.	No proliferation of informal vehicle tracks.  No new erosion gullies.	ECO	Proponent  All personnel  Complaint's logbook	Throughout the exploration phase

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Aspect	Impact	Management and Mitigation Measure(s)	Key Performance Indicator (KPI)	Implementation Responsibility	Resources	Timeline
Aspect	Impact		Indicator (KPI)	-	Resources	Timeline
		rehabilitated after each onsite work.				

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Aspect	Impact	Management and Mitigation Measure(s)	Key Performance Indicator (KPI)	Implementation Responsibility	Resources	Timeline
Soils and water resources	Soils and water resources pollution	-Oil and wastewater spill control preventive measures should be in place on site to management soil contamination, thus preventing and minimizing the contamination from reaching water resources bodies. Some of the soil control preventive measures that can be implemented include:  -Spill control preventive measures should be in place on site to management soil contamination, thus preventing and or minimizing the contamination from reaching water resources bodies.  -All project employees should be sensitized about the impacts of soil pollution and advised to follow appropriate fuel delivery and handling procedures.  -The Proponent should develop and prepare countermeasures to contain, clean up, and mitigate the effects of an oil spill. This includes keeping spill response procedures and a well-stocked cache of supplies easily accessible.	Indicator (KPI)  No complaints of pollutants on the soils and eventually in the water due to exploration activities  No visible oil spills on the ground or pollution spots.	ECO	Complaint's logbook  Waste containers  Non-permeable material to cover the ground surface at areas where hydrocarbons and potential pollutants are utilized.	Throughout exploration phase
		Spill Prevention, Control, and Countermeasure (SPCC) Plan				

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Aspect	Impact	Management and Mitigation Measure(s)	Key Performance Indicator (KPI)	Implementation Responsibility	Resources	Timeline
		training and mentor new workers as they get hired.				
		-Project machines and equipment should be equipped with drip trays to contain possible oil spills when operated on site.				
		-Polluted soil should be removed immediately and put in a designate waste type container for later disposal.				
		-Drip trays must be readily available on this trailer and monitored to ensure that accidental fuel spills along the tank trailer path/route around the exploration sites are cleaned on time (soon after the spill has happened).				
		-Polluted soil must be collected and transported away from the site to an approved and appropriately classified hazardous waste treatment facility.				
		-Washing of equipment contaminated hydrocarbons, as well as the washing and servicing of vehicles should take place at a dedicated area, where contaminants are prevented from				

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Aspect	Impact	Management and Mitigation Measure(s)	Key Performance Indicator (KPI)	Implementation Responsibility	Resources	Timeline
		contaminating soil or water resources.  -Toilet water should be treated using the long drop toilet system and periodically emptied out before reaching capacity and transported to a wastewater treatment facility.				
Biodiversity	Loss of Fauna and Flora	-The Poaching (illegal hunting) surrounding areas is strictly prohibited.  -The project workers should refrain from killing or snaring local livestock that may be found on and around the site.  -Workers should refrain from disturbing and poaching animal species found within the EPL and surrounding areas.  -Access roads (even existing ones) should be utilized appropriately in a manner that disturbs minimal land areas as possible, thus minimizing faunal habitat destruction.  -Breeding sites for faunal species that are found within the site and nearby should not be disturbed.	No disturbance to unmarked areas.  No complaints from locals regarding unauthorised vegetation removal or cutting down of trees.  No complaints of wildlife hunting by the project personnel.  No intentional disturbance and destruction of site vegetation and faunal species  Visible preservation of onsite vegetation	ECO	Barricading tape (to indicate working areas)  Complaint logbook	Throughout the exploration phase

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Aspect	Impact	Management and Mitigation Measure(s)	Key Performance Indicator (KPI)	Implementation Responsibility	Resources	Timeline
		-Environmental awareness on the importance of faunal preservation should be provided to the workers and contractors.				
		Flora:				
		-The Proponent should avoid unnecessary removal of vegetation, thus promoting a balance between biodiversity and their exploration works.				
		-Vegetation found on the site, but not in the targeted exploration areas should not be removed but left to preserve biodiversity on the site.				
		-Movement of vehicle and machinery should be restricted to existing roads and tracks to prevent unnecessary damage to the vegetation.				
		-Design access roads appropriately in a manner that disturbs minimal land areas as possible.				
		-Make use of the existing road network as much as possible and avoid off-road driving, thus minimizing onsite floral destruction.				

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Aspect	Impact	Management and Mitigation Measure(s)	Key Performance Indicator (KPI)	Implementation Responsibility	Resources	Timeline
		-Vegetation clearing to be kept to a minimum. The vegetation of the site is largely low and open and therefore whole-sale vegetation clearing should only be applied where necessary and within the EPL footprint.  -Vegetation found on the site, but not in the targeted areas should not be removed but left to preserve biodiversity on the site.  -Environmental awareness on the importance of floral biodiversity preservation should be provided to the workers and contractors.				
Illegal hunting	Illegal hunting of wildlife	-No wildlife hunting is permittedSite personnel should refrain from killing/poaching or intentionally disturbing wildlife, or any faunal species found on site and around the EPL site.	Incident reports of illegal hunting of wildlife by the crew.	ECO	Complaint's logbook  Anti-poaching Police Unit	During site set up, and throughout exploration phase
Land Use	Conflict between land uses and exploration activities	-Exploration activities should not in any way hinder the existing land uses within the EPL but rather promote co-existence throughout the project operations while respecting other land users.  -The project workers and vehicles should be limited to the actual EPL	Land access and use permits/authorizations.  Compliance with conditions set within operational permits by relevant and affected authorities.	PRO Proponent ECO	Proponent  Relevant authorities (MEFT, MME, etc.)	Throughout the exploration phase

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Aspect	Impact	Management and Mitigation Measure(s)	Key Performance Indicator (KPI)	Implementation Responsibility	Resources	Timeline
		active sites only but not unnecessarily wander and drive around other land uses sites, respectively.  -The Proponent should ensure that their activities complywith the conditions set by the competent, regulatory, and affected authorities such that the proposed exploration activities do not severely impact the different existing activities around the EPL.	Little to no complaints of significant interference from the neighbouring land users			
Road use and safety	Increase in vehicular traffic flow	-Vehicles should be driven only on existing access roads and necessary temporary access roads only leading to EPL mapped sites; no new roads should be constructed where possible.	No complaints from members of the public regarding vehicular traffic issues related to the project activities.	Proponent ECO	Number of project vehicles on site	Throughout exploration phase  Site access
		-The transportation of project materials, equipment and machinery should be limited to once or twice a week only, but not every day.  -The heavy truck loads should comply with the maximum allowed limit while transporting materials and equipment/machinery on the	All personnel operating the project vehicles and machinery are appropriately licensed and possession of valid driving licenses.  Demarcated areas for		Names of drivers  Frequency of water carting	permit (s) to be applied for and obtained prior to commencement of exploration works
		public and access roads.  -The carted water into the area from outside the project area	parking, offloading, and loading zones are on sites.			

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Aspect	Impact	Management and Mitigation Measure(s)	Key Performance Indicator (KPI)	Implementation Responsibility	Resources	Timeline
		should be done once or twice a week in container that can supply and store water for most of the week, thus reducing the number of trucks on the road.  -Drivers of all project phases' vehicles should be in possession of valid and appropriate driving licenses.  Vehicle drivers should adhere to the road safety rules.  -Drivers should drive slowly (40km/hour or less), and on the lookout for wildlife and people.  -Project vehicles should be in a road worthy condition and serviced regularly to avoid accidents because of mechanical faults of vehicles.	If required, site access road permits obtained, and requirements fulfilled.  No creation of unnecessary tracks on site.			
Local roads	Overuse and maintenance	-The heavy trucks transporting materials and services to site should be scheduled to travel at least twice or thrice a week to avoid daily travelling to site, unless on cases of emergencies.  -The Proponent should consider frequent maintenance of local roads to ensure that the roads are in a good condition for other roads	-Visible efforts of maintaining access and community roads by the Proponent	Proponent	Road clearing machinery(bull dozers)	Throughout the exploration phase, when necessary

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Aspect	Impact	Management and Mitigation Measure(s)	Key Performance Indicator (KPI)	Implementation Responsibility	Resources	Timeline
		users such as travellers from and outside the area.				
Occupational Health and safety	General health and safety associated with project activities in both phases	-The Proponent should commit to and make provision for bi-annual full medical check-up for all the workers at site to monitor the impact of project related activities on them (workers).  -As part of their induction, the project workers should be provided with an awareness training of the risks of mishandling equipment and materials on site as well as health and safety risk associated with their respective jobs.  -When working on site, employees should be properly equipped with adequate personal protective equipment (PPE) such as coveralls, gloves, safety boots, earplugs, dust masks, safety glasses, etc.  -Heavy vehicle, equipment and fuel storage site should be properly secured, and appropriate warning signage placed where visible.  -Drilled boreholes that will no longer be in use or to be used later	Comprehensive health and safety plan for all exploration activities compiled.	Exploration Manager ECO	Occupational Health and Safety Personnel Health and Safety Trainings  First aid kits  Trained worker to administer first aid	Throughout the exploration phase and trainings offered as and when required

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Aspect	Impact	Management and Mitigation Measure(s)	Key Performance Indicator (KPI)	Implementation Responsibility	Resources	Timeline
		after being drilled should be properly marked for visibility and capped/closed off.				
		-Ensure that after completion of exploration holes these are capped and closed off and that trenches are backfilled and levelled,				
		-An emergency preparedness plan should be compiled, and all personnel appropriately trained.				
		-Workers should not be allowed to drink alcohol prior to and during working hours nor allowed on site when under the influence of alcohol as this may lead to mishandling of equipment which results into injuries and other health and safety risks.				
		-The site areas that are considered temporaryrisks should be equipped with "danger" or "cautionary" signs.				
	Accidental fire outbreak	-Portable fire extinguishers should be provided on site.  -No open fires to be created by project personnel on land owner's property.	No wildfires recorded (due to presence of workers)	Proponent ECO	Fire extinguishers (1 per vehicle) and 1 per working site	Throughout exploration phase

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Aspect	Impact	Management and Mitigation Measure(s)	Key Performance Indicator (KPI)	Implementation Responsibility	Resources	Timeline
		-Potential flammable areas and structures such as fuel storage tanks should be marked as such with clearly visible signage.				
Archaeology and heritage	Accidental disturbance and destruction of archaeological or heritage objects and sites	-A "No-Go-Area" should be put in place where there is evidence of archaeological site, historical, rock paintings, cave/rock shelter or past human dwellings. It can be a demarcation by fencing off or avoid the site completely by not working closely or near the known site.  -On-site personnel (s) and contractor crews must be sensitized to exercise and recognize "chance finds heritage" in the course of their work.  -During the prospecting and exploration works, it is important to take note and recognize any significant material being unearthed and making the correct judgment on which actions should be taken (refer to CFP Appendix	Preservation of all artefacts and objects that are discovered on and around project site  No-Go Areas avoided	Proponent  ECO  Operator	Salvage equipment  Archaeologist	As and when required, i.e., prior to site set up, and during exploration.
		attached to the EMP).  -The footprint impact of the proposed prospecting and exploration activities should be kept to minimal to limit the possibility of encountering chance		Foreman Superintended	Flag tapes  GPS (site marking)	

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Aspect	Impact	Management and Mitigation Measure(s)	Key Performance Indicator (KPI)	Implementation Responsibility	Resources	Timeline
		finds within the EPL boundaries.		Archaeologist		
		The Proponent should keep a				
		buffer of 1.5 km on all the				
		archaeological/cultural sites				
		observed within the project site				
		and broader area throughout their				
		stay (duration of their presence) in				
		the area.				
		-A landscape approach of the site				
		management must consider				
		culture and heritage features in the				
		overall planning of exploration				
		infrastructures within and beyond				
		the license boundaries.				
		-The Proponent and Contractors				
		should adhere to the provisions of				
		Section 55 of the National				
		Heritage Act in event significant				
		heritage and culture features are				
		discovered while conducting				
		exploration works.				
		-Subject to the recommendations				
		herein made and the				
		implementation of the mitigation				
		measures and adoption of the				
		project Archaeological				
		Management Plan (AMP)/EMP				
		should be complied.				
		-An archaeologist or Heritage				
		specialist should be onsite to				
		monitor all significant earth				

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Aspect	Impact	Management and Mitigation Measure(s)	Key Performance Indicator (KPI)	Implementation Responsibility	Resources	Timeline
		moving activities that may be implemented as part of the proposed project activities.				
		-When the removal of topsoil and subsoil on the site for exploration purposes, the site should be monitored for subsurface archaeological materials by a qualified Archaeologist.				
		-Show overall commitment and compliance by adapting "minimalistic or zero damage approach".				
		-In addition to these recommendations above, there should be a controlled movement of the contractor, exploration crews, equipment, setting up of camps and everyone else involved in the prospecting and exploration activities to limit the proliferation of informal pathways, gully erosion and disturbance to surface and sub-surface artifacts such as stone tools and other buried materials etc.				
Littering and waste management	Environmental Pollution	-Workers should be sensitized to dispose of waste in a responsible manner and not to litter.	No visible litter around the projectarea	ECO	Waste storage containers	Throughout exploration phase

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Aspect	Impact	Management and Mitigation Measure(s)	Key Performance Indicator (KPI)	Implementation Responsibility	Resources	Timeline
(general waste and sanitation)		-After each daily works, the Proponent should ensure that there are no wastes left on the sitesAll domestic and general project waste produced daily should be contained until such that time it will be transported to designated waste sites.	Provision of sufficient waste storage containers  Waste management awareness		Waste disposal permits to municipalities  Environmental, Health and Safety Statements and Policy	
		-No waste may be buried or burned on site or anywhere else.  -The exploration site should be equipped with separate waste bins for hazardous and general/domestic waste.				
		-Sewage waste should be stored as per the available sewage system (long drop toilets) supplied on site and regularly disposed of at the nearest treatment facility  -Oil spills should be taken care of by removing and treating soils				
		affected by the spill.  -A penaltysystem for irresponsible disposal of waste on site and anywhere in the area should be implemented.				

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Aspect	Impact	Management and Mitigation Measure(s)	Key Performance Indicator (KPI)	Implementation Responsibility	Resources	Timeline
		-Careful storage and handling of hydrocarbons on site is essential, therefore should be enforced.				
		-Potential contaminants such as hydrocarbons and wastewater should be contained on site and disposed of in accordance with municipal wastewater discharge standards so that they do not contaminate surrounding soils and eventually groundwater.				
		-An emergency plan should be available for major/minor spills at the site during exploration (with consideration of air, groundwater, soil, and surface water) and during the transportation of the product(s) to the sites.				
	Wastewater generated by exploration workers living on-site.	-Provision of toilet facilities for workers (mobile/portable chemical toilet if possible).  -Emptying of chemical toilets according to the manufacturer's specifications.	Adequate toilet and basic ablution facilities on site.	Proponent ECO	Chemical toilets  Sewage removal operator	Throughout exploration phase
					waste treatment agents/chemicals	
Air Quality	Dust generation	-Exploration vehicles should not drive at a speed more than 40	No complaints from the public about vehicle	ECO	Complaint's logbook	Throughout exploration phase

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Aspect	Impact	Management and Mitigation Measure(s)	Key Performance Indicator (KPI)	Implementation Responsibility	Resources	Timeline
		km/h to avoid dust generation around the area.	emissions and dust generation.		Dustsuppressant (Water)	
		-When and if the project reaches the advanced stages of exploration, a reasonable amount of water should be used on gravel roads, using regular water sprays on gravel routes and near exploration sites to suppress the dust that may be emanating from certain exploration areas on the EPL.	Visible efforts to curb dust			
		-Dust masks, eye protective glasses and other respiratory personal protective equipment (PPE) such as face masks should be provided to the workers on site drilling areas, where they are exposed to dust.				
		-Excavating equipment should be regularly maintained to ensure drilling and excavation efficiency and so to reduce dust generation and harmful gaseous emissions.				
Noise	Nuisance	-Noise from project vehicles and equipment on the working sites of the EPL should be at acceptable levels.  -The exploration times should be set such that, no such activities	Complaints from land owners and neighbouring land users about excessive noise.	ECO	Complaint's logbook  Noise protective equipment for workers	Throughout exploration phase

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Aspect	Impact	Management and Mitigation Measure(s)	Key Performance Indicator (KPI)	Implementation Responsibility	Resources	Timeline
		are carried out during the night or very early in the mornings (to be limited between 8am and 5pm on weekdays).				
		-Exploration hours should be restricted to between 08h00 and 17h00 to avoid noise and vibrations generated by exploration equipment and the movement of vehicles before or after hours.				
		-When operating the drilling machinery onsite, workers should be equipped with personal protective equipment (PPE) such as earplugs to reduce exposure to noise.				
Social nuisance	Local properties disturbance and values	-The Proponent should inform their workers on the importance of respecting the land owners' properties by not intruding or damage their houses, fences or snaring and killing their lives tock.	No complaints from land owners about property theft, disturbance, or intrusion	ECO	Grievance logbook  Land access agreement conditions	Throughout the exploration phase
		-Any workers or site employees that will be found guilty of intruding peoples 'privately owned properties should be called in for disciplinary hearing and/or dealt with as per their employer				

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Aspect	Impact	Management and Mitigation Measure(s)	Key Performance Indicator (KPI)	Implementation Responsibility	Resources	Timeline
		(Proponent)'s code of employment conduct.				
		-The project workers should be advised to respect the community and local's private properties, values, and norms.				
		-No worker should be allowed to wander in people's private yards or fences without permission.				
		-The project workers are not allowed to kill or in any way disturb local livestock.				
		-The cutting down or damaging of vegetation belonging to the affected land owners or neighbouring is strictly prohibited.				
		-Out-of-area workers that may be employed (due to their unique work skills) on site should be sensitized on the importance of respecting the local values and norms.				
		PROGRESSIVE REHABILIT	ATION AND DECOMMIS	SSIONING PHASE		
Rehabilitation	Disturbance and damaging of land site land	-All drilled boreholes and excavated pits related to the project activities should be capped and backfilled, respectively.  -All waste generated and stored on site during exploration activities	Capped boreholes and backfilled pits  No sign of waste or littering seen on site and around site areas.	Proponent	Excavators and other backfilling/demolishing machinery	Progressive rehabilitation done throughout the exploration phase and complete

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Aspect	Impact	Management and Mitigation Measure(s)	Key Performance Indicator (KPI)	Implementation Responsibility	Resources	Timeline
		should be disposed of at the respective nearest solid waste management sites.  -The stockpiled topsoil should be levelled soon after completion of works at sites.	Carrying away of waste, and removal of vehicles and equipment from site		Record of pits excavated, and boreholes drilled (if any)  Waste containers on	decommission and rehabilitation done after completion of exploration works.
		-Any temporary setup on site should be dismantled, and the area rehabilitated as far as practicable, to their original state.	No stockpiled topsoil (topsoil is levelled after completion of each work)		sites  Photo records of	WOIKS.
		-Explored areas on worksites should be progressively rehabilitated by stockpiling and backfilling.  -Provision of both financial and	Campsite dismantled and materials taken away from site.		Records of finances set aside for decommissioning	

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activities

# 3.4 Monitoring Action Plans (Monitoring Plan)

technical

To support and ensure that the proposed mitigation measures are achieving the desired results, a monitoring plan must be implemented. The monitoring action plans recommended for planned exploration works are presented in **Table 3** below.

Visible

stockpiled topsoil

for

resources

progressive rehabilitation.

signs

Table 3: Management action plans for Monitoring

Environmental Feature	Impact	Monitoring Actions	Implementation responsibility	Frequent	Threshold	Action if threshold is exceeded
Archaeology	Rock	No exploration activities at the outcrops	ECO	Weekly	Observed	Remedy the
and Heritage	paintings	with rock art paintings	Archaeologist		damage to the	consequences by
		Implementing the CFP (Appendix 1)			paintings	halting the activities
Soils	Loss of topsoil	All measures should be considered to	ECO and	weekly	Proliferation of	Rehabilitation of
		present the loss of topsoil	Exploration Manager		new vehicle tracks	affected areas
Monitoring	EMP non-	The ECO or the Proponent/Contractor	ECO	Daily	Increase in	Daily safety talks,
	compliance	should monitor the implementation of		,	health, safety and	Remedy the
		this EMP to ensure compliance.			environmental	consequences
		·			damage	
		The ECO(s) should inspect the site			incidence	
		throughout the exploration period and				
		after completion.				
Biodiversity	Loss of	Comply to marked no-go areas and	ECO	Weekly	Vegetation	Rehabilitation of
	biodiversity	avoid areas sensitive to any type of			clearance outside	affected areas to the
		disturbance.	Workers involved in		of marked areas.	satisfaction of the ECO
		Clear only footprint areas to maintain as	this phase			
		much of the remaining natural				
		vegetation on site and to prevent loss of				
		habitat (if so, advised by MEFT).				
Health and	Health and	-Workers should be trained on how to	ECO	Daily/Weekly	Health and safety	Remedy the
Safety	safety of the	handle materials and equipment on site			incident	consequences
	workers	(if they do not already know how to) to				
		avoid injuries.				

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Environmental Feature	Impact	Monitoring Actions	Implementation responsibility	Frequent	Threshold	Action if threshold is exceeded
		-Exploration equipment and materials	Worker Involved in			
		transported to site should be securely	this phase			
		fastened to the vehicles (trucks and				
		cars). This is to ensure that the				
		materials and equipment do not fall off				
		the vehicles and cause injuries to				
		anyone while transporting them.				
		- All personnel should be provided with				
		appropriate personal protective				
		equipment (PPE), such as gloves,				
		masks, safetyboots, safetyglasses and				
		hard hats always during exploration				
		hours on site to prevent serious injuries				
		or loss of life.				
		-No employee should be allowed to				
		drink alcohol prior to and during working				
		hours as this may lead to mishandling				
		of equipment which results into injuries				
		and other health and safety risks.				
Neighbouring	Disturbance	Exploration works schedule should be	ECO	Weekly	A logged	Revision of site
land users to		limited to normal working hours,			complaint about	activities
the site		between 08h00 and 17h00. This is to	Exploration		excessive noise	
		ensure generated noise does not	Manager			
		become nuisance to the neighbours.				

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Environmental Feature	Impact	Monitoring Actions	Implementation responsibility	Frequent	Threshold	Action if threshold is exceeded
Waste	Environmental	-The site should be always kept tidy.	ECO	Daily	Visible litter	Clean-up of the
	Pollution	All domestic and general construction			around project	affected areas and
		waste produced daily should be			site	ensuring exploration
		cleaned and contained daily to prevent			A logged	workers utilise waste
		environmental pollution.			complaint	containers provided.
		-Separate waste containers (bins) for hazardous and domestic / general	All workers involved			
		waste must be provided on site to avoid	in this phase.			
		mixing of waste.	·			
Transport	Transportation	-Project workers will be transported, in	ECO	Daily	A logged	
	of workers to	an SUV, bus (or similar suitable			complaint about	
	and from site	passenger vehicle) to and from site to			bad form of	
		ensure workers safety.			transportaffecting	
					occupational	
		-No off-road driving			safety and health	
					of workers	
Vehicular traffic	Increase in	-All drivers of the project vehicles	ECO	Weekly	A logged	Find alternative
safety	local traffic	should be in possession of valid and			complaint about	access roads for the
	flow.	appropriate driving licenses to operate			traffic increase or	team. Rehabilitation of
		such vehicles.			damage to roads	affected roads
		-Project vehicles should be in a road				
		worthy condition and serviced regularly				
		to avoid accidents because of				
		mechanical faults of vehicles.				

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Environmental Feature	Impact	Monitoring Actions	Implementation responsibility	Frequent	Threshold	Action if threshold is exceeded
		-Vehicle drivers should not be allowed				
		to operate vehicles while under the				
		influence of alcohol.				
		-No heavy trucks or project related				
		vehicles should be parked on				
		biologically sensitive areas.				

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#### 3.5 Decommissioning and Rehabilitation

Successful rehabilitation requires careful consideration of the local ecological context in combination with rehabilitation goals. The most important steps in undertaking a successful rehabilitation program are planning and environmental awareness (environmental education) on the importance of progressive rehabilitation (or post-activity rehabilitation), and its importance to the environment. Furthermore, to successfully implement the planned rehabilitation, practically, this will depend on a few factors - the rehabilitation program, characteristics of the site, nature of disturbance, rehabilitation methods, as well as resources availability.

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Rehabilitation of the EPL site may include the re-vegetation of areas with species consistent with surrounding vegetation; refilling of trenches in such a way that subsoil is replaced first, and topsoil replaces last.

Any excavated pits should not only be filled with sand alone, as wind will scours the sand and reestablish the holes.

#### Site Specific Rehabilitation Plan

To ensure that they do their best to rehabilitate the disturbed areas, the Proponent intends to:

- Utilize stockpiled subsoil and topsoil to back fill the excavated pits/trenches.
- Make financial provision that will be used for post-exploration rehabilitation program.
- Backfilling of all pits and trenches with loose materials.
- Levelling of topsoil that was stockpiled for exploration purposes.
- Removal of project vehicles and equipment from the site and taken to designated parking facility off site.
- All project support structures such as ablution facility (toilet and washroom system), and storage containers/tanks shall be demolished, and the waste taken to designated sites.
   The site areas on which these structures were set up will be rehabilitated to pre-exploration state.
- All accumulated waste (hazardous, solid, and general) up until the cessation of exploration
  activities will be removed site and transported to designated off site waste management
  facilities.

Decommissioning and rehabilitation will involve the following:

- Capping of drill holes and backfilling of all excavated pits with loose materials.
- Collecting and disposing domestic waste at the nearest landfill/ dumpsite.

- Leveling the stockpiled topsoil during exploration phase.
- Any temporary setup of camps should be dismantled, and the area should be rehabilitated as far as possible to its pre-exploration state.

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#### 4 ENVIRONMENTAL MONITORING AND REPORTING

To minimize the "medium" and uphold "low" significance ratings of impacts identified and assessed in the ESA report, monitoring reports are to be compiled and submitted to the DEAF for archiving on a bi-annual basis (every 6 months throughout the project operations) or as required by the Environmental Commissioner (as per the ECC conditions). This practice will make any considerations for ECC renewal easy when it is about to expire. Therefore, the Proponent must meritoriously monitor and submit the reports to the DEAF. The submission is done in compliance with the environmental legislation, and for record keeping purposes.

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 .... object .....must 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.

Manager/Supervisor must report the finding to the following competent authorities:

• National Heritage Council of Namibia (061 244 375)

National Museum (061 276800),

National Forensic Laboratory (061 240461).

Archaeological material must NOT be touched. Tempering 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 site and advise management timeously

**Superintendent:** To determine safe working boundary and request inspection

**Archaeologist:** To inspect, identify, advise management, and recover remains

Procedure:

#### Action by person identifying archaeological or heritage material:

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

#### Action by foreman

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

#### Action by superintendent

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

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#### Action by Archaeologist

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

#### In the event of discovering human remains

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