elevate uranium

carbon free energy

Submitted to: Marenica Ventures (Pty) Ltd
Attention: Mr Murray Hill
P O Box 90242
Klein Windhoek
Windhoek, Namibia

REPORT:

BACKGROUND INFORMATION DOCUMENT FOR EXPLORATION ACTIVITIES ON EPL 8795, ERONGO REGION, NAMIBIA.

PROJECT NUMBER: ECC-79-422-BID-03-A

REPORT VERSION: REV 01

DATE: OCTOBER 2022

Prepared by: ECC ENVIRONMENTAL COMPLIANCE CONSULTANCY

TITLE AND APPROVAL PAGE

Project Name:	Background information document for exploration activities on EPL 8795, Erongo Region, Namibia.
Client Company Name:	Marenica Ventures (Pty) Ltd
Client Name:	Mr Murray Hill
Authors:	Monique Jarrett
Status of Report:	For Internal Review
Project Number:	ECC-79-422-BID-03-A
Date of issue:	October 2022

ENVIRONMENTAL COMPLIANCE CONSULTANCY CONTACT DETAILS:

We welcome any enquiries regarding this document and its content. Please contact:

Environmental Compliance Consultancy
PO Box 91193, Klein Windhoek, Namibia
Tel: +264 81 669 7608
Email: info@eccenvironmental.com

DISCLAIMER

Environmental Compliance Consultancy (ECC) (Reg. No. CC 2013/11401) has prepared this report on behalf of the Proponent. This report has been authored by employees of ECC, who have no material interest in the outcome of this report, nor do any of the ECC team have any interest that could be reasonably regarded as being capable of affecting their independence in the preparation of this report. ECC is independent from the Proponent and has no vested or financial interest in the Project, except for fair remuneration for professional fees rendered which are based upon agreed commercial rates. Payment of these fees is in no way contingent on the results of this report or the assessment, or a record of decision issued by Government. No member or employee of ECC is, or is intending to be, a director, officer, or any other direct employee of the Proponent. No member or employee of ECC has, or has had, any shareholding in the project. Any personal views or opinions expressed by the writer may not necessarily reflect the views or opinions of Environmental Compliance Consultancy or its client.

Please note at ECC we care about lessening our footprint on the environment; therefore, we encourage that all documents are printed double sided.

TABLE OF CONTENTS

1 Background Information Document 4

Purpose of this document 4
Description of the proposed project 4
Need for the project 6
Construction and operational phases 6

2 Consideration of Alternatives 7
3 The Environmental and Social Impact Assessment Process 8

3.1 Screening 10
3.2 Scoping 12
3.3 Baseline studies 12
3.4 Stakeholder engagement 12
3.5 Scoping report 12
3.6 Environmental and social impact assessment phase 13
3.6.1 Potential impacts 13
3.6.2 Draft environmental and social management plan 13

4 The Way Forward – Public Participation 14

LIST OF TABLES

Table 1- Listed activities triggered by the proposed project 10

LIST OF FIGURES

Figure 1 – EPL 8795 Locality Map 5
Figure 2 - Flowchart of the environmental and social assessment process 9

1 BACKGROUND INFORMATION DOCUMENT

PURPOSE OF THIS DOCUMENT

Environmental Compliance Consultancy (ECC) has been contracted by Marenica Ventures (Pty) Ltd to conduct an environmental and social impact assessment (ESIA) and develop an environmental management plan (EMP), for exploration activities for nuclear fuels in the Erongo Region, Namibia. Consistent with the Environmental Management Act, 2007 and its regulations. An environmental clearance certificate application will be submitted to the Ministry of Environment, Forestry and Tourism (MEFT) for the Project, which is the relevant authority to make a Record of Decision (RoD) with regards to the proposed project.

The purpose of this Background Information Document (BID) is to provide Interested and Affected Parties (I&APs) a background to the proposed Project and to invite I&APs to register as part of the Environmental Social Impact Assessment (ESIA) process.

All those who register as an I&AP will be kept informed throughout the ESIA process. Registration provides a platform for participants to submit comments, concerns, or recommendations regarding the proposed project. This BID includes the following information:

- The proposed project and location
- The necessity of the project, benefits or adverse impacts anticipated
- The alternatives within the project that will be considered and assessed
- How the ESIA process works
- The public participation process and how to become involved
- Next steps and the way forward

DESCRIPTION OF THE PROPOSED PROJECT

The Proponent intends to carry out exploration activities of nuclear fuels on the Exclusive Prospecting Licence (EPL) 8795. The Proponent will conduct geological mapping, geochemical and geophysical surveys, and drilling (RAB, RC or DD/core drilling) if warranted.

The EPL is located east of Hentis Bay in the Erongo Region. Access to the EPL can be obtained via the D1918 between Usakos and Hentis Bay as set out in Figure 1.

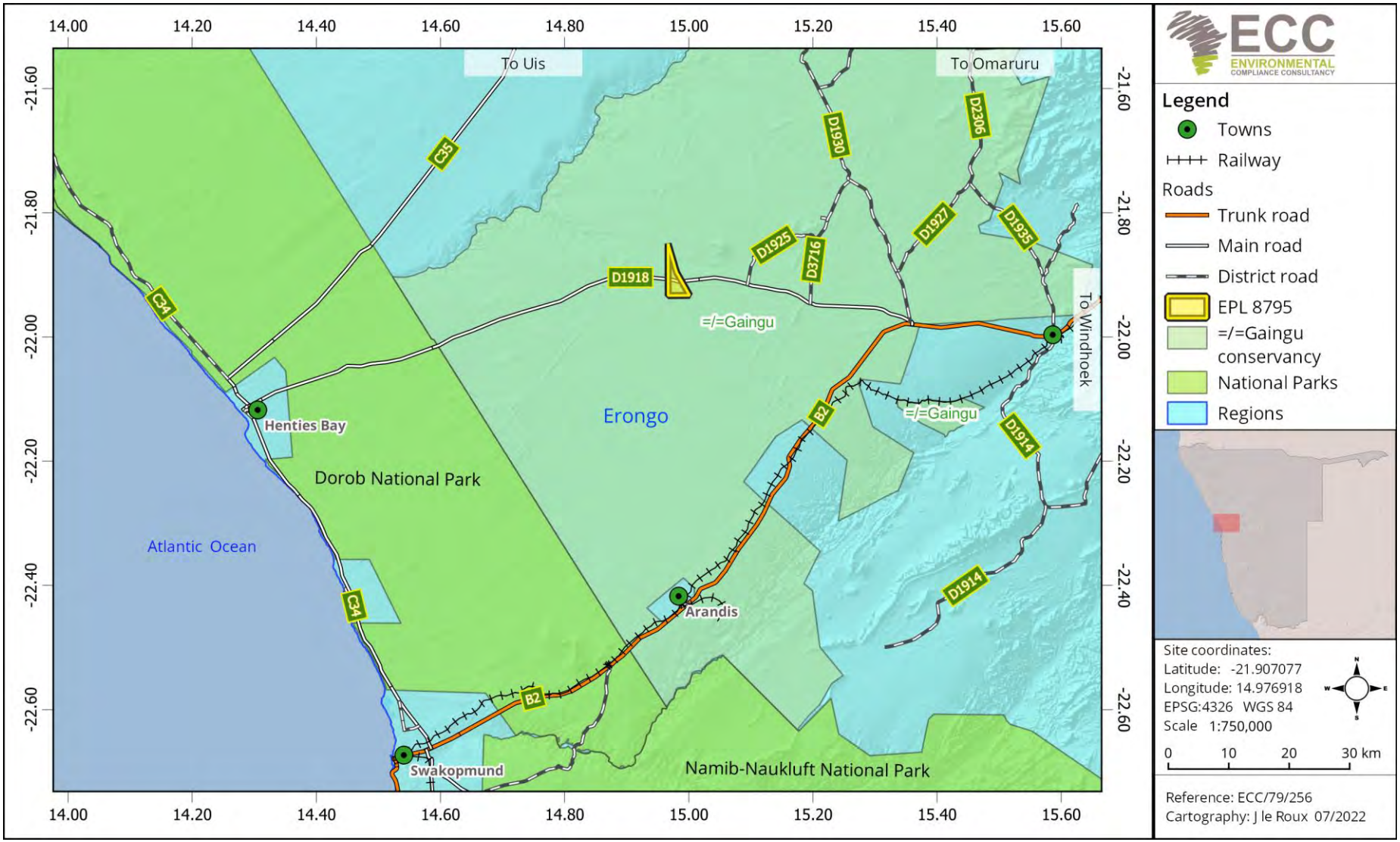

Figure 1 – EPL 8795 Locality Map

In terms of Section 32 (1) of the Environmental Management Act, No. 7 of 2007, ECC has determined that the Ministry of Mines and Energy (MME) is the competent authority for the proposed mining project. The mining activity triggers the listed activities as per the Environmental Management Act Regulations. The relevant activities list provided later in the BID.

NEED FOR THE PROJECT

The Proponent intends to pursue mineral exploration activities in Namibia with the aim of identifying new mining prospects. New mining activities could contribute to the national and local economies and may have a positive impact on the country's economy.

Namibia natural resources and the minerals sector are a key contributor to the nation's GDP in Namibia. Exploration could lead to mining activities, which would contribute to the national and local economy. The project is consistent with the National development plan.

CONSTRUCTION AND OPERATIONAL PHASES

The following are envisioned during the proposed Project:

- Minimal ground clearing for tracks, where existing tracks cannot be used,
- Ground and airborne geophysical surveying (eg HLEM surveys to define paleochannels and airborne radiometric surveys)
- Geochemical surveys, for sampling of soil or rock for geochemical analysis
- Drilling: RAB, RC or diamond drilling to provide samples for density determination, mineralogical study, geochemical and disequilibrium analysis.

2 CONSIDERATION OF ALTERNATIVES

Best practice environmental assessment methodology calls for consideration and assessment of alternatives to a proposed project. In a project such as this one, it is difficult to identify alternatives to satisfy the need of the proposed Project; the activities shall be specific to EPL 8795 which was granted by the MME to Marenica Ventures (Pty) Ltd.

During the ESIA assessment, alternatives will take the form of consideration of optimisation and using eco-friendly solutions to reduce potential impacts. Some aspects where alternatives may be required could include:

- Different types of technology or operation
- Different access routes
- Different exploration techniques

3 THE ENVIRONMENTAL AND SOCIAL IMPACT ASSESSMENT PROCESS

The ESIA for the proposed project is being conducted by ECC and will be undertaken in terms of the Environmental Management Act, 2007 and its regulations. The process followed for this ESIA is set out in the flowchart in Figure 2.

A final decision relating to the above-mentioned application will be made by Ministry of Environment, Forestry and Tourism (MEFT), Department of Environmental Affairs (DEA).

The related environmental process will include:

1. Screening phase (completed)
2. Scoping phase which includes baseline studies and the development of the Terms of Reference (ToR) for the ESIA (initiated)
3. Assessment Phase which includes impact prediction and evaluation of alternatives, assigning mitigation measures and developing monitoring and conceptual rehabilitation plans. This phase culminates in the drafting of the ESIA report and draft Environmental Management Plan (EMP) and submission to the appropriate competent authorities

The main objectives of the ESIA are to:

a) Provide information describing the proposed exploration activities;
b) Provide an independent environmental and social assessment of the activities associated with the proposed project; and
c) Develop management and mitigation measures associated with any identified potential impacts where necessary.

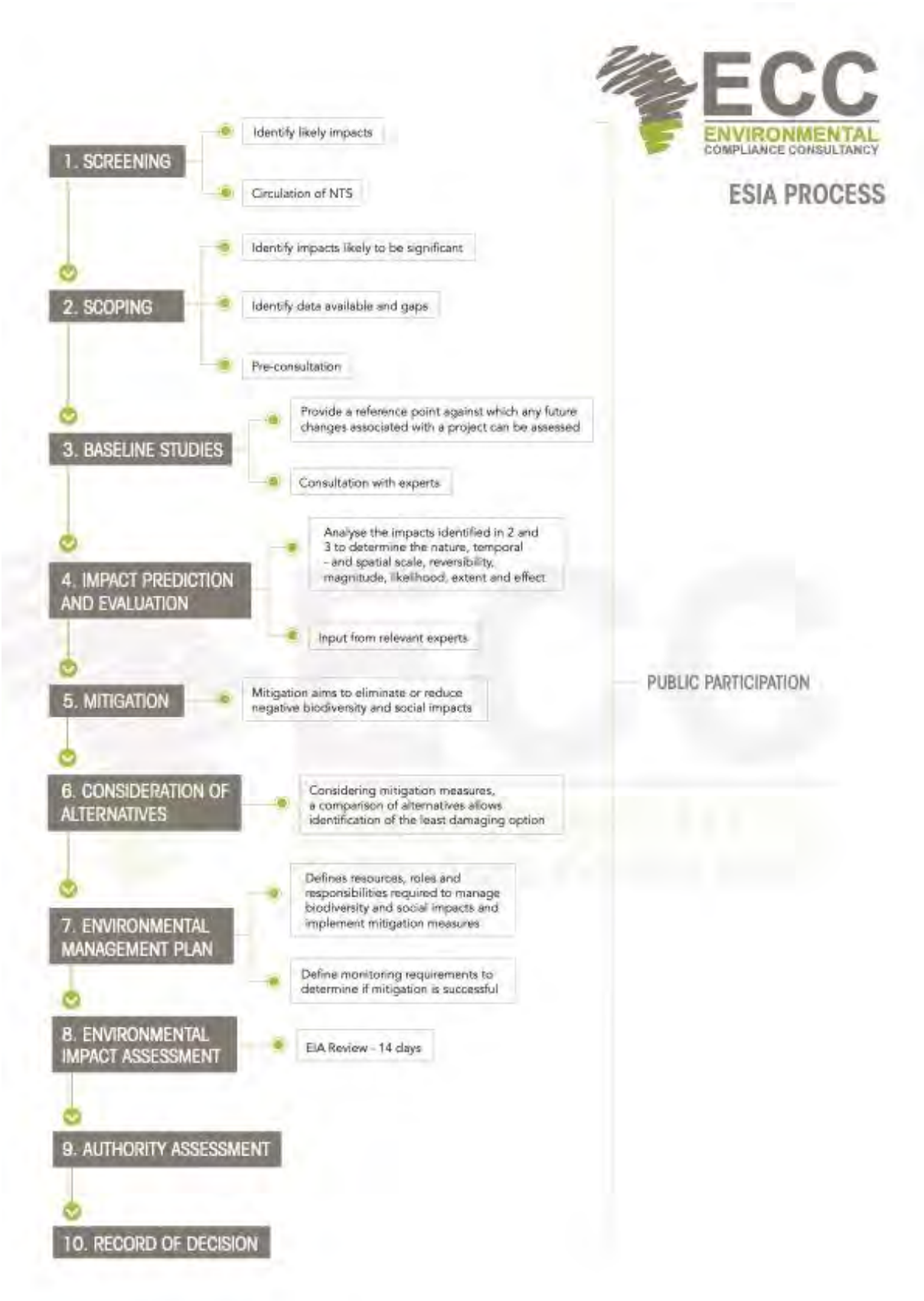

Figure 2 - Flowchart of the environmental and social assessment process

3.1 SCREENING

A review of the planned project was undertaken and the screening findings against the listed activities were identified, the findings of which are summarised in Table 1.

Table 1- Listed activities triggered by the proposed project

LISTED ACTIVITY	EIA SCREENING FINDING
WASTE MANAGEMENT, TREATMENT, HANDLING AND DISPOSAL ACTIVITIES (2.1) The construction of facilities for waste sites, treatment of waste and disposal of waste (2.3) The import, processing, use and recycling, temporary storage, transit or export of waste	• Waste generated which will be mainly solid waste and general waste during the exploration phase will be removed by a skip and will be disposed of at the nearest landfill site. • A portable toilet, long drop hole for toilet or chemical toilets will be used during exploration activities.
MINING AND QUARRYING ACTIVITIES (3.1) The construction of facilities for any process or activities which requires a licence, right or other form of authorisation, and the renewal of a licence, right or other form of authorisation, in terms of the Minerals (Prospecting and Mining Act), 1992 (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	• The proposed project requires an environmental clearance from DEA/MEFT for the extraction of nuclear fuel minerals. • Minerals (soil and sand), and nuclear fuel minerals will be sourced out within the project's footprint. • The proponent will also undertake geochemical surveys, geophysical surveys, and RC drilling
FORESTRY ACTIVITIES (4.) The clearance of forest areas, deforestation, aforestation, timber harvesting or any other related activity that requires	• Limited vegetation clearing may be required for tracks and survey access creation, and possibly for the set up for survey and drilling teams' field camps. Clearing of large trees will be avoided.

LISTED ACTIVITY	EIA SCREENING FINDING
authorisation in term of the Forest Act, 2001 (Act No. 12 of 2001) or any other law.	
WATER RESOURCE DEVELOPMENTS (8.1) The abstraction of ground or surface water for industrial or commercial purposes.	• For the drilling of exploration boreholes, ground water may need to be abstracted, or water will be sourced.
HAZARDOUS SUBSTANCE TREATMENT, HANDLING AND STORAGE (9.2) Any process or activity which requires a permit, licence or other form of authorisation, or the modification of or changes to existing facilities for any process or activity which requires an amendment of an existing permit, licence or authorisation or which requires a new permit, licence or authorisation in terms of a law governing the generation or release of emissions, pollution, effluent or waste.	• Portable toilets, long drop holes for toilets, or chemical toilets will be used during the exploration activities.

3.2 SCOPING

The scoping phase is directed towards defining the range and nature of anticipated potential impacts that may have significance to the biophysical and social environments at the scale of the proposed operations. The appropriate available data and the literature are identified forming the starting point for the assessment of the required baseline and specialist studies that may be required for assessment of the project impacts.

3.3 BASELINE STUDIES

The ESIA will focus on the environmental receptors that could be affected by the proposed project. ECC will also engage with stakeholders, I&APs, and the proponents to seek input into the assessment. The baseline studies chapter is divided into three sections:

- The baseline context;
- Environmental (physical and biological), and
- Social (including economic).

Desktop studies a well as all available field surveys and specialist studies from the project area will be used to help define the baseline. These studies also give a further indication whether there are any local or regional future developments that could impact the project or vice versa.

Lastly the socio-economic section of the baseline studies helps to gain information on the governance, demographic profile, social stratification (employment, education, crime, infectious disease), occupation and livelihood (economic activities, occupations in study area, employment rates), land patterns (noise and vibrations) and access to services (drinking water, sanitation, healthcare facilities etc.).

3.4 STAKEHOLDER ENGAGEMENT

The public and key stakeholders receive invitations to register as I&APs. After the presentation of the proposed project and ESIA process through he defined public consultation process, a period of time for input will be granted for the Environmental Assessment Practitioner (EAP) to receive any additional concerns or comments from registered I&AP's. All feedback from the initial public consultation process will be incorporated into the scoping report.

3.5 SCOPING REPORT

The scoping report will be drafted and made available to the registered I&APs for comment before being submitted to the competent authority and MEFT. The scoping report will contain a description of the project and the biophysical and socio-economic environments, the specialist baseline studies, the stakeholder engagement report and the terms of reference for the ESIA.

3.6 ENVIRONMENTAL AND SOCIAL IMPACT ASSESSMENT PHASE

3.6.1 POTENTIAL IMPACTS

The potential social and economic impacts should be considered with due regard to the nature and scale of the proposed operations its location within the broader ecological, commercial and social environments. The potential environmental and social impacts that have been anticipated may include the following:

- Water use, contamination, and management;
- Waste management;
- Waste resource management;
- Visual impacts;
- Biodiversity impacts;
- Jobs will be created as a result of the proposed exploration activities.
- Potential to unearth, damage or destroy undiscovered heritage remains; and
- Minor disruptions to residents of neighbouring farms, due to potential noise and dust generation as a result of the proposed exploration activities.

3.6.2 DRAFT ENVIRONMENTAL AND SOCIAL MANAGEMENT PLAN

An EMP shall be developed for the proposed project setting out auditable management actions for the project to ensure careful and sustainable management measures are implemented for their activities in respect of the surrounding environment and community. The EMP becomes the legally binding commitments upon approval of the EMP and issuing of the environmental clearance certificate. Environmental clearance certificates are issued for a period of 3 years and renewal is subject to compliance with the provisions and conditions of the environmental clearance certificate.

4 THE WAY FORWARD – PUBLIC PARTICIPATION

Public participation is an important part of the ESIA process. It allows you, the public and stakeholders to raise concerns or provide valuable local environmental knowledge that can benefit the assessment process as well as aid the planning process for the scoping phase of the defined assessment process. At this phase ECC will perform the following:

- Prepare and submit the application for the environmental clearance certificate in the prescribed manner
- Identify relevant key stakeholders, authorities, municipalities, environmental groups and interested or affected members of the public, hereafter referred to as I&APs
- Carry out a public consultation process in accordance with Regulation 21 of the EMA 2007 including:
    - Distribute the BID for the proposed Marenica Ventures (Pty) Ltd exploration project (this document)
    - Advertise the environmental application and call for registration of I&APs in two national newspapers
    - Open the project I&AP register and record all comments of I&APs and present both comments and responses provided by ECC, in the comments and responses report, which will be included in the scoping report and submitted with the application
- Prepare a scoping report and provide it to registered I&APs for comment
- Submit the scoping report and the I&AP comments to the competent authority and Environmental Commissioner for a record of decision

Your request for registration as an I&AP as well as any comments on the BID or Project must be submitted in writing and can be emailed using the details in the contact us section below. Registration as an I&AP for the project can be completed online on ECCs website on the projects page, or by using this link: https://eccenvironmental.com/download/the-proposed-exploration-of-nuclear-fuels-on-epl-8728-8792-and-8795-erongo-region-namibia/

Registration as an I&AP should be submitted on or before **16 October 2022**.

We welcome any enquiries regarding this document and its content. Please contact:
Environmental Compliance Consultancy (ECC)
info@eccenvironmental.com
Tel: +264 816 697 608
www.eccenvironmental.com
At ECC we make sure all information is easily accessible to the public.
Follow our social platforms online to be kept up to date.