

**ENVIRONMENTAL MANAGEMENT PLAN (EMP) FOR THE CONSTRUCTION  
AND OPERATION OF A PROPOSED FILLING STATION PROJECT AT  
OMUTWEWOMUNHU VILLAGE – OSHIKUNDE CONSTITUENCY,  
OHANGWENA REGION**



**JUNE 2022**

**PREPARED FOR: MARYN PROPERTIES CC**

**PREPARED BY:**

**NAMIB – ENVIRO CONSULTANTS**

## **5. ENVIRONMENTAL MANAGEMENT PLAN**

This Environmental Management Plan (EMP) was prepared as part of the Scoping Report for the planned construction of the fuel service station development facility by the proponent as part of the Environmental Assessment. The content has been adapted in accordance with the Environmental Management Act of 2007 (Act No. 7 of 2007) Regulation No. 30 of 2012, listing No. 8(j) (aa) (bb) (cc). The goal is to develop management strategies to address the environmental consequences indicated in the Scoping Report.

The Environmental Management Plan for impacts related with the proposed construction of the fuel service station is described in this section. Environmental projects must be managed in a methodical, planned, and documented manner, according to the EMP. The Environmental Management Plan outlined below summaries the organizational structure, planning, and monitoring for environmental preservation at the proposed project site development.

### **6.1 Listed activities**

An Environmental Clearance Certificate (ECC) is required for Listed Activities, and an Environmental Impact Assessment (EIA) is also required. The Ministry of Environment, afaorestry and Tourism-Department of Envieonmental Affairs is devoted to promoting environmental management principles as the governmental institution responsible for the management and conservation of its natural resources. The Environmental Protection Agency (EPA) publishes a list of operations that require an EIA, and the proposed project is one of the specified activities or activities that cannot be carried out without an ECC. The goal of project activities that are described is to guarantee that the environmental implications are thoroughly examined.

The planned fuel service station's continuation would result in a number of Listed Activities as defined by the Environmental Management Act, 2007 (Act No. 7 of 2007) and the Environmental Impact Assessment Regulation, 2007 (No. 30 of 2011). The following is the listed activities induced by the proposed project:

#### **Activity:**

Activity 9.4 Storage and Handling of Dangerous Good

#### **Applicability :**

Storage and handling of dangerous materials in containers with a combined volume of more than 30 cubic meters at any site, including gasoline, diesel, liquid petroleum gas, or paraffin.

## **6.2 Roles and responsibility in EMP implementation**

### **6.2.1 Environmental Management Plan administration**

The management and staff, including the construction team, shall be required to familiarize themselves with the content of the document while the project Manager shall be tasked with the overall responsibility for the implementation thereof once the development is operational.

### **6.2.2 Environmental Awareness Training Construction phase**

The owner and construction company shall ensure that all his/her staff are aware of the importance and implications of the EMP and the need to commit to the relevant provisions contained in the document.

#### **Operational phase**

The operational phase shall require that roles and responsibilities for all employees need to be established while the reasons and importance of mitigation measures shall be clearly explained, and this shall be an ongoing process. The positive socioeconomic and biodiversity impacts involve a number of external stakeholders and these relationships require close and regular interventions. Before commencement of business, the management shall send all its key personnel for training in handling dangerous and hazardous goods.

Table 1 Roles and responsibility in EMP implementation

<b>Roles</b>	<b>Environmental responsibilities</b>
<b>Project Manager</b>	Enforce the EMP implementation to contractors and all project workers.

<p><b>Environmental Control Officer</b></p>	<ul style="list-style-type: none"> <li>- Implement, review and update the EMP.</li> <li>- Ensure all reporting and monitoring required under EMP is undertaken, documented and distributed as needed</li> <li>- Conducts environmental audit at work site with the support of environmental consultant.</li> <li>- Ensure materials being used on site are environmental friendly and safe.</li> </ul>
<p><b>The Department of Environmental Affairs</b></p>	<ul style="list-style-type: none"> <li>- Approve the EMP and any amendments to the EMP.</li> <li>- Review and approve environmental reports submitted as part of EMP implementation.</li> </ul>
<p><b>Environmental Consultant</b></p>	<ul style="list-style-type: none"> <li>- Conduct and monitor actions required by the EMP if required</li> <li>- Conducts environmental audit at work site</li> <li>- Ensure materials being used on site are environmental friendly and safe.</li> </ul>
<p><b>Site/Project Engineers</b></p>	<ul style="list-style-type: none"> <li>- Control and monitor actions required by the EMP.</li> <li>- Ensure documented procedures are followed and records kept on site.</li> </ul>

	<ul style="list-style-type: none"><li>- Ensure any complaints are passed onto the management within 24 hours of receiving the complaint.</li></ul>
<b>Labour</b>	<ul style="list-style-type: none"><li>- Follow requirements as directed by site engineers.</li><li>- Report any potential environmental issues to site engineer/project manager, indicating spilt oil, excess waste, excessive dust generation, dirty water running off the site and other possible non-conformances.</li><li>- Compliance with the environmental specifications and enforce adherence.</li><li>- Maintain a record of activities relevant to environmental management.</li></ul>

### **6.3 Scope of the Environmental Management Plan**

Namib-Enviro Consultants carried out and prepare the EMP according to a set of guidelines. Because of the importance of involving Interested and Affected Parties (I&APs) in environmental studies, the EMP ensures that I&APs concerns are addressed, as consultations were central to every step, such as MEFT's approval of the clearance process, which included local communities and nearby farm owners.

#### **6.3.1 Scoping exercise**

The scoping exercise aimed to identify and screen all relevant concerns associated to project development, as well as determine whether any detrimental consequences occurred that could render the proposed project ecologically unacceptable as soon as possible.

#### **6.3.2 Existing environmental conditions**

Environmental and socioeconomic data from the surrounding areas were collected, processed, and analyzed to determine the current environmental conditions in the project area. The results of the analysis are reported in the sections below. Secondary data for the paper came from previous biological, botanical, and socioeconomic research conducted in the area.

#### **6.3.3 Analysis of potential environmental impact**

An assessment of the proposed project's environmental consequences and benefits in terms of the biophysical and socioeconomic environment, as well as an analysis of the impacts' scope, duration, intensity, and significance, has been carried out.

#### **6.3.4 Formulation of possible mitigation measures**

Based on the analysis of findings, a number of measures and plans for mitigating the identified possible adverse environmental impacts of the project are proposed. Further, the report proposes measures and plans for enhancing positive environmental impacts of the project. And wherever possible, the costs and benefits of these environmental measures are quantified.

### **6.4 Stakeholder consultation**

The goal of an approach to environmental assessment studies is to ensure broad stakeholder participation and involvement. Because there were no registered stakeholders by AEC, public consultative sessions were not held in the region as part of the transparent consultation process aiming for taking public views into consideration in selecting the EMP. The Proponent owns the land on which the planned project will be carried out.

### **5.5 Stakeholder consultation methodology**

The public was notified via newspaper advertisements, public consultation meetings and a notice placed at the project location. The project will have a 14-day comment period following the publication of the newspaper advertisements.