

OKOMBAHE SERVICE STATION

***THIS ENVIRONMENTAL & SOCIAL MANAGEMENT PLAN
(ESMP) IS PREPARED TO SUPPORT AN APPLICATION
(APP No: 006753) FOR THE ENVIRONMENTAL
CLEARANCE CERTIFICATE (ECC) FOR THE PROPOSED:***

**CONSTRUCTION AND OPERATION OF
OKOMBAHE SERVICE STATION IN OKOMBAHE,
ERONGO REGION, NAMIBIA**



19 DECEMBER 2025

This

**ENVIRONMENTAL AND SOCIAL
MANAGEMENT PLAN (ESMP)**

*This ESMP Report was Prepared To Support an Application (APP. No: 006753)
For The Environmental Clearance Certificate (ECC) For The Proposed
Okombahe Service Station*

And is prepared by:



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Document Title: Environmental and Social Management Plan		OKOMBAHE SERVICE STATION P. O. Box 25888 Windhoek	
Approval	 Twalinohamba Akawa 19 December 2025	Lead Environmental Assessment Practitioner	 Envirodu Consulting & Training Solutions cc P. O. Box 4120 Swakopmund Email: ecutsc@gmail.com Website: www.ecutsnamibia.com
<p style="text-align: center;">INDEPENDENCE</p> <p>I <u>TWALINOHAMBA AKAWA</u> hereby declare that I have no interest in OKOMBAHE SERVICE STATION, financial, personal, or other interests in the proposed activity, application, or appeal in respect of which I was appointed other than fair remuneration for the work performed.</p> <p>Therefore, there were no circumstances that compromise the objectivity of this assessment and recommendations, thereof.</p>			
Document First release for internal review	8 December 2025	Mr. Ernst Stuurman _____	
Feedback and Review date	11 December 2025	Mr. Twalinohamba Akawa	
Last review date	18 November 2025	Approval	

1. INTRODUCTION

This Environmental and Social Management Plan (ESMP) has been prepared for the proposed **Okombahe Service Station**. This ESMP should be assessed together with the ESIA Report which was prepared and submitted to support an application for this proposed **Okombahe Service Station**.

The Proponent, Okombahe Service Station, intends to construct and operate a fuel retail facility, alongside existing food and lodging services, on communal land at **Klaasen Camp** near Okombahe Settlement, Erongo Region, Namibia.

The mitigation measures proposed are practical, industry-standard (e.g., Waste Management Plan, noise scheduling), and legally compliant with the **Environmental Management Act (No. 7 of 2007)**.

The success of this ESMP hinges entirely on Okombahe Service Station and the appointed Environmental Control Officer (ECO) diligently enforcing these measures.

A key requirement is the **integration of the ESMP into all contractor agreements** to ensure legal and environmental compliance from the onset of construction.

2. DETAILED MITIGATION MEASURES, RESPONSIBILITY, AND ACCOUNTABILITY FOR OKOMBAHE SERVICE STATION

The table below formalizes the mitigation actions for the identified negative impacts of the Okombahe Service Station, assigning clear responsibility for implementation and monitoring, in line with the requirements of the Environmental & Social Management Plan (ESMP).

Construction Phase Mitigation (Short-Term)

Potential Impact	Mitigation Action (What to do)	Responsible Person (Who implements)	Responsible Institutions (Who ensures compliance)
Dust and Air Quality	Implement frequent dust suppression (light watering) on exposed surfaces, stockpiles, and active construction areas. Restrict all construction vehicle speeds to 20 km/h on site and surrounding gravel access roads.	Construction Manager / Site Foreman	Proponent (Okombahe Service Station - OSS) and Environmental Control Officer (ECO)
Soil Erosion	Clearly demarcate and limit the construction footprint to approved site boundaries. Immediately stabilize and rehabilitate all disturbed areas outside the final impervious surfaces using indigenous grasses and local rock stabilization techniques upon completion.	Construction Manager / Site Foreman	ECO and Erongo Regional Council (Land Use Dept.)
Noise Pollution	Restrict all high-noise activities (e.g., compaction, heavy excavation) to standard daytime working hours (07:00 to 18:00) , Monday to Saturday. Ensure all machinery and vehicles are fitted with and utilize operational mufflers.	Construction Manager	ECO and Local Community Leadership
Waste Generation	Implement and enforce a Construction Waste Management Plan (CWMP) requiring sorting (rubble, domestic, hazardous) and secure storage in sealed skips. Waste	Site Foreman / Construction Manager	Proponent (OSS) and Licensed Waste Contractor

Potential Impact	Mitigation Action (What to do)	Responsible Person (Who implements)	Responsible Institutions (Who ensures compliance)
	must be removed weekly by a licensed waste disposal contractor to an approved disposal facility.		
Traffic and Safety	Clearly signpost the construction entrance, site hazards, and slow zones on the C36 road near the access point. Coordinate and schedule deliveries during off-peak traffic hours to minimize congestion and dust impact on the C36.	Construction Manager / Security Officer	Namibia Roads Authority (RA) and Local Police

Operational Phase Mitigation (Long-Term)

Potential Impact	Mitigation Action (What to do)	Responsible Person (Who implements)	Responsible Institutions (Who ensures compliance)
Groundwater Contamination	Install double-walled Underground Storage Tanks (USTs) and piping with continuous electronic leak detection systems. The forecourt must be constructed with impervious concrete containment . Install and regularly	Service Station Manager / Fuel Maintenance Contractor	Ministry of Mines and Energy (MME) and ECO (for quarterly monitoring reports)

Potential Impact	Mitigation Action (What to do)	Responsible Person (Who implements)	Responsible Institutions (Who ensures compliance)
	maintain a functioning three-stage oil/water separator (interceptor) .		
Water Scarcity	Implement maximum water conservation measures : Install low-flow fixtures, dual-flush toilets, and water-efficient taps. Maximize rainwater harvesting from the canopy for non-potable uses (e.g., vehicle washing, cleaning).	Service Station Manager	Erongo Regional Water Authority and ECO
Soil Contamination (Surface)	Train all staff (attendants, cleaners) in immediate spill response procedures. Ensure accessible and stocked spill kits are available at all pump islands and the tank filling point. Spills must be contained and cleaned immediately.	Service Station Manager / All Staff	ECO (for annual training and audit)
Visual/Aesthetic Impact	Use earth-tone colors (e.g., desert sands, reddish browns) and locally sourced natural stone cladding on the building exterior. Install low-glare, downward-facing lighting to minimize light pollution and preserve the dark night skies.	Proponent (OSS) / Design Architect	ECO and Local Community Leadership

Potential Impact	Mitigation Action (What to do)	Responsible Person (Who implements)	Responsible Institutions (Who ensures compliance)
Socio-Economic Pressure	Prioritize local Okombahe community members for employment and training opportunities. Implement a formal local skills training program (e.g., fuel handling, cashier operation). Source local goods and services where feasible.	Service Station Manager / Human Resources	Local Constituency Councillor and Regional Employment Office

Decommissioning Phase Mitigation

Potential Impact	Mitigation Action (What to do)	Responsible Person (Who implements)	Responsible Institutions (Who ensures compliance)
Infrastructure Removal & Contamination	Submit a comprehensive, MEFT-approved Decommissioning Plan (DP) before end-of-life. The DP must detail the safe removal of USTs and piping. Conduct mandatory soil testing after removal and implement bioremediation of any contaminated soil before the site is rehabilitated.	Proponent (OSS) / Decommissioning Contractor	Ministry of Environment, Forestry, and Tourism (MEFT) and ECO

3. GRIEVANCE MECHANISM

A structured grievance mechanism shall be implemented to address complaints from employees, community members, and other stakeholders. The grievance mechanism shall be guided by the following principles:

3.1. Timely Action

Grievances shall be addressed promptly to prevent escalation and minimize disruptions to project activities.

3.2. Accepting the Grievance

All grievances shall be formally acknowledged and recorded. Acceptance does not imply agreement but rather a commitment to investigate and resolve issues.

3.3. Identifying the Problem

Grievances may arise from real or perceived issues. It is crucial to diagnose the root cause accurately.

3.4. Collecting Facts and Analyzing Causes

A structured investigation will be conducted, separating facts from emotions, to determine the best course of action.

3.5. Decision-Making and Implementation

A resolution will be developed based on factual analysis, and the agreed course of action shall be implemented efficiently.

3.6. Appeal Process

In the event of an unsatisfactory resolution, complainants may escalate their concerns through appropriate channels.

4. EXTERNAL COMMUNICATIONS

All external communications regarding the project will be managed in accordance with established company protocols. Interactions with stakeholders, public consultations, and media engagement will follow structured procedures to ensure transparency and accuracy in information dissemination.

5. REPORTING

Regular environmental monitoring and baseline data assessments will be conducted and reported to the Ministry of Environment, Forestry, and Tourism in compliance with regulatory requirements. These reports will help track environmental conditions, assess the effectiveness of mitigation measures, and ensure adherence to environmental management commitments.