



LUNGANAWA
INVESTMENTS

**ENVIRONMENTAL MANAGEMENT
PLAN
FOR THE
ONAMUTAI TEE-JUNCTION VENTURE**

**AS REQUIRED BY THE MINISTRY OF ENVIRONMENT AND TOURISM
FOR OBTAINING AN ENVIRONMENTAL CLEARANCE CERTIFICATE**

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SECTION A:

GENERAL INFORMATION AND TASK DUE DATES

1. SCOPE

The purpose of this document is to provide guidelines for the sound environmental management at the Onamutai Tee-Junction Shops and Bar, as require for obtaining an Environmental Clearance Certificate (ECC).

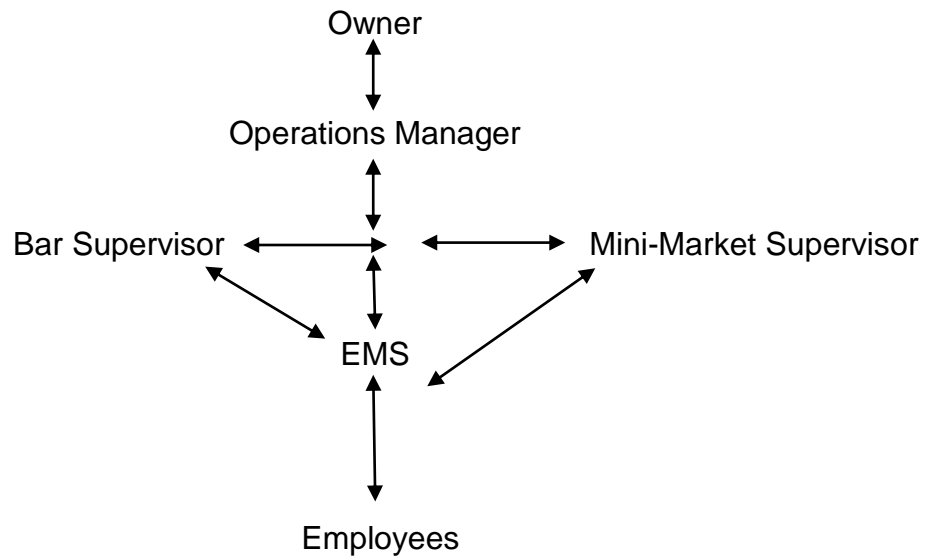
The ultimate purpose of this document is to obtain an ECC that will form part of an application for Leasehold Land Rights, a requirement from the Ministry of Lands and Resettlement.

This management plan covers the identified activities at the Onamutai Tee-Junction Shops and Bar, located approximately 8 kilometre North-East of Ongwediva Town. The activities covered include only those related to the operation of the shop and bar.

The objective of the management plan is to ensure that:

- Environmental impacts are effectively identified monitored and managed
- Precautions against damages and claims, arising from damage, are taken care of promptly
- Communities living around the shops and bar are not negatively affected by the operations of the venture
- No further environmental damages occur

1.1. Reporting structure



2. INTRODUCTION

2.1. AREA AND BUSINESS DESCRIPTION

The location of the proposed venture is in Onamutai village, at the corner of the Adolfi-Ongha road and Okatana-Onamutai road.

At this premises, a mini-market will be operated, bar and associated operations. The mini-market will sell consumer goods that are ordinarily sold in a supermarket to the residents of the Onamutai village and nearby villages. The Bar will be selling beverages to these residents as well as to people visiting the area.

2.2. RESPONSIBILITIES

The following responsibilities in terms of environmental management, was assigned to the following persons:

1. Owner

- Has overall responsibility for the EMS
- Must ensure that programme is reviewed annually
- Must ensure continual improvement
- Must provide resources for the success of the EMP

2. Management Team consists of:

- The Owner
- Operations Manager
- Supervisors

3. Operations Manager

- EMS management representative
- Maintain EMS
- Ensure objectives are met
- Ensure that EMS records are kept (audits, inspections, monitoring records)
- Ensure the development of awareness and competency on all aspects of the EMS
- Maintain a register of all environmental aspects for the venture
- Prepare and implement environmental monitoring programs
- Prepare monitoring and measurement plans concerning significant environmental aspects
- Ensure that records are kept on environmental data
- Ensure that corrective actions concerning environmental aspects are carried out
- Ensure the development of awareness and competency on all aspects of the EMS
- Prepare audit schedules
- Maintain and communicate EMS relevant legal register, in conjunction with the Legal & Regulatory Business Unit
- Prepare emergency preparedness and response plans for significant environmental aspects

- Adhere to requirements laid out in this document
- Notify the relevant people if they caused any environmental contamination
- Notify all relevant people if an environmental incident / accident is in progress

4. Supervisors

- *Responsibility extends to the environmental aspects of their respective section only*
- Liaise closely with the Operations Manager regarding environmental aspects
- Perform monitoring and measurements for environmental aspects
- Keep records on environmental data
- Carry out operational control inspections on environmental aspects, when necessary
- Perform necessary corrective actions concerning environmental aspects

SECTION B: **ENVIRONMENTAL MANAGEMENT PLAN –** **OBJECTIVES AND TARGETS**

3. MINI-MARKET

Several issues were identified at the mini-market, including:

- litter

The following should be adhered to at the Mini-market:

- 3.1. Keep waste bins for used packaging
- 3.2. Continuous housekeeping.

Measurable target:

- General cleanliness of the premises

4. BAR

Several issues were identified at the mini-market, including:

- litter

The following should be adhered to at the Mini-market:

- 4.1. Keep waste bins for used packaging
- 4.2. Continuous housekeeping.

Measurable target:

- General cleanliness of the premises

5. DOMESTIC EFFLUENT DISPOSAL

A septic tank will be constructed to collect domestic effluent generated on the premises. This septic tank will be regularly emptied as required.

6. HAZARDOUS WASTE DISPOSAL

No applicable as no hazardous material will be handled or sold at this venture. Once an opportunity is identified for usage or trading them appropriate procedures will be implemented and training provided.

7. GENERAL WASTE DISPOSAL

General waste includes all other waste, which are not hazardous. This includes:

- Plastic products
- Glass products
- Paper products
- Redundant office equipment
- Food waste
- Wood products
- Building rubble

The following should be adhered to at the premises, in terms of general waste disposal:

- 7.1. All other (paper, glass, metal, plastic & food) wastes produced at the premise should be stored in appropriate bins, at a specific location, on the premise and clearly marked.
- 7.2. All waste may only be disposed of at the town/village dumpsite.
- 7.3. Waste must be removed from the premise at regular intervals.
- 7.4. A sufficient amount of rubbish drums should be available on site, in order to prevent littering.

Management objectives:

- To ensure proper management of general waste
- To ensure neat surroundings
- To ensure aesthetic integrity of the area

Measurable targets:

- No complaints from visitors and neighbours about litter and other waste
- No complaint from community related to improper management of general waste
- Monitoring and reporting on general waste produced.

8. TRANSPORTATION OF MATERIALS & OTHER EQUIPMENT

Improper transport of goods can lead to contamination of the environment at the destination location of the goods. Goods can include either new or redundant materials.

Good communication between respective parties is of utmost importance during transportation of goods from one location to another.

The following should be adhered to at the premise, in terms of the transportation of goods:

- 8.1. All regulations stated in the transport procedure should be adhered to.

Management objectives:

- The prevention of environmental pollution at destination locations.

Measurable targets:

- No complaints of environmental pollution at destination locations due to the improper transportation of goods.

9. MONITORING AND MEASURING

Monitoring and measuring programmes should be developed for the following areas of concern:

- General waste removal
- Hazardous waste materials – storage and removal (where applicable)
- Septic tank emptying

The following should be adhered to on the premises, in terms of monitoring and measurement:

- 9.1. Monitoring and measuring should be done on a regular basis. Regularity can be either (but not excluding other intervals deemed adequate):

- Monthly
- Bi-weekly
- Weekly
- Daily
- When necessary

The last category is only applicable to the disposal of general waste or transport of hazardous wastes (where applicable). All other

monitoring should be done at least monthly, unless more regular monitoring is deemed necessary.

- 9.2. All monitoring and measurement data must be converted into a monthly environmental report by the Operations Manager. This report could also be included in the monthly report of the Owner.

Management objectives:

- To effectively monitor and measure areas of concern

Measurable targets:

- Monthly reports

10. TRAINING AND AWARENESS

Environmental training and awareness should become a priority at the premise.

The following should be adhered to at the premise, in terms of training and awareness:

- 10.1. Training needs analysis should be regularly conducted and reviewed in consultation with Operations Manager.
- 10.2. Training manuals should be developed and reviewed (where applicable).
- 10.3. Records must be kept of all people that receive either in-house or external environmental training.

Management objective:

- To ensure that all employees at the business are aware of the impacts of the venture

Measurable targets:

- All employees must receive at least basic environmental awareness training

11.LEGAL COMPLIANCE

Legislative requirements for the operation of the venture should be adhere to.

The following should be adhered to on the premise, in terms of legal compliance:

11.1. A legal register must be developed and maintained according to procedure where necessary

11.2. All relevant Namibian legislation must be taken into consideration

Management objectives:

- To be within the boundaries of the law

Measurable targets:

- No litigation from non-compliance to national law
- Compliance to all relevant national legislation

12.EMERGENCY PREPAREDNESS

An emergency preparedness plan must be in place for the most significant environmental threats identified at the premise.

The following should be adhered to at the premise, in terms of emergency preparedness:

12.1. An emergency preparedness procedure must be developed for the most significant environmental impact

12.2. This procedure must be adhered to

12.3. Regular exercises should be done to test the effectiveness and the responses.

Management objectives:

- To put in place a disaster management plan.

Measurable targets:

- An emergency preparedness plan for the most significant environmental impact