

ENVIRONMENTAL MANAGEMENT PLAN

HOBATERE LODGE



Prepared for Journeys Namibia Management Group (Pty) Ltd in support of application for renewal of Environmental Clearance

September 2024



ECC APPLICATION # 240516003683

PROJECT	Renewal of Environmental Clearance: Hobatere Lodge
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DISCLAIMER

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1 INTRODUCTION

The proponent, Journeys Namibia Management Group (Pty) Ltd, is the managing operator of the Hobatere North Concession and contracted Henriette Potgieter to apply for renewal of the Environmental Clearance Certificate that expired on 30 October 2018.

No construction has taken place since 2018, and the physical footprint of the project remains unchanged. This document presents a new, updated Environmental Management Plan (EMP). It includes current procedures and technology used by the lodge that were either unavailable or not applicable in 2017 when the current EMP was written.

1.1 This document

The lodge was visited for two days, 29 April to 1 May 2024. The general manager of the lodge acted as guide during a thorough inspection of the site and provided information freely. Data collected during the site visit and information from the Head Offive of Journeys Namibia were used to draw up this document.

An environmental audit was conducted during the site visit, assessing compliance with the current EMP by reviewing the implementation and efficacy of mitigation measures. The results of the audit are presented in Section 3.

1.2 Eco Awards Namibia

The Eco Awards Namibia certification programme is recognised by international tourism certification schemes and most importantly, the Ministry of Environment, Forestry and Tourism (MEFT) is an active member of the Eco Awards alliance.

Independent assessors go to a lodge for two days where they evaluate the sustainability and environmental sensitivity of the operation against an extensive set of criteria based on international best practice. The independence and status of the programme result in audits that provide reliable information on the sustainability practices of a lodge.

Hobatere Lodge scored 87% in a re-assessment conducted in July 2024.

2 PROJECT DESCRIPTION

2.1 Location

Hobatere lies in the ≠Khoadi-//Hôas Conservancy area, 60 km from Kamanjab with access from the C35 road.

2.2 Guest facilities

2.2.1 Main area

The main lodge has a restaurant, bar, dining area, curio shop, reception and kitchen with associated storage and service areas.

Guest parking is provided for 10 vehicles on a compacted dirt surface in front of reception.



2.2.2 Guest units

6 en suite guest rooms, 6 en suite bungalows and 2 en suite guide rooms. Total of 30 beds.

2.3 Staff accommodation

Staff village is fenced and consists of 6 freestanding units, each with 1 single and 2 double bedrooms, a bathroom with shower, basin and toilet, and a living area with gas stove. Senior staff are housed in 4 single rooms, all en suite.

The manager's house is located outside the staff village and has 1 bathroom, 2 bedrooms and a living area. There is also a director's house with 1 bathroom, 1 bedroom and a living area.

2.4 Airstrip

Located 2 km from the lodge at Lat 19.332500 Long 14.370000. There are two 2 public toilets and 5 storage units at the airstrip.

2.5 Support infrastructure

Three storerooms: maintenance, staff rations and housekeeping. Workshop.

2.6 Electricity

Electricity for all operations is provided by 60 x 420W Canadian Solar Modules with 30 x BYD 5 kWh Lithium Batteries and 3 x SMA Sunny Island 8.0H-13 battery inverters. A back-up generator is used to boost supply on overcast and peak occupancy days.

The generator and battery bank are mounted on a cement floor in a brick room with corrugated iron roof.

Hot water is supplied by solar geysers in the following locations:

Guest rooms: 4 Main area: 2

Staff accommodation: 6 Manager's house: 1 House near workshop: 1

Laundry: 2

A Honda 4.2 kVA generator is used to pump water for wild animal waterholes.

2.7 Water

Source: 3 boreholes, one of which is brackish.

The game viewing hide has a borehole with a solar pump that pumps to two 10 000 litre tanks.

The lodge is supplied by a borehole with an electrical pump. Water goes from the borehole to a dam near the workshop, and from there to holding tanks and the reticulation system.

2.8 Sewerage and wastewater

Four septic waste systems:

Main area and 9 guest rooms



- Three separate guest rooms
- Staff village
- Laundry and director's house

The overflow goes into a holding tank which is emptied as needed by a contractor and the effluent is removed from the concession by the contractor. The septic tanks are treated with chemicals every time they are emptied.

2.9 Solid waste

Solid waste is separated at source. Food waste is given to the neighbouring community for livestock feed and cardboard boxes are burnt on site. Recyclable waste is bagged and held on the back of a truck. Once a week a contractor from the local community collects the waste from Hobatere, then Hoada Campsite and Grootberg lodge, and then delivers it to the Palmwag junction where the food supply truck for these lodges, now empty, takes it to Windhoek.

2.10 Access

Regular road maintenance is carried out and erosion is prevented by putting gravel in areas where the soil is likely to be washed away.



3 AUDIT REPORT

During the site visit the general manager and maintenance manager provided a guided tour and information for an environmental audit conducted by the Practitioner. The audit assessed compliance with the current EMP (drawn up in 2016) by reviewing the implementation and efficacy of mitigation measures.

Adherence to the provisions of the current EMP was audited by the Practitioner and the results are given in Table 1.

Table 1. Audit of compliance with current EMP

MANAGEMENT MEASURES	AUDIT 2024
Erosion and damage to roads and tracks.	
Motorised access must be limited to existing roads. No new roads or tracks should be developed.	Comply
No off road driving under any circumstances.	Signs of off-road driving were observed.
Areas with sensitive, compactable soils should be avoided (vehicles compact the soil, preventing water and root penetration and tracks remain visible for years).	All the game drive routes could not be inspected, but MEFT officials from Galton Gate regularly patrol the game drive routes and are in a good position to monitor compliance.
All vehicle parking to take place in designated parking areas	Comply
Implement measures to disperse concentrated water flow and repair any erosion that has resulted.	Comply
Contamination of soil	
Oil pans to be used in vehicle parking areas (under vehicles that leak).	No bunded areas or drip trays. Signs of oil spillage on the ground at the workshop.
Vehicle servicing to take place on impervious, bunded surfaces or over oil pans	Cement floor, but no bunding or other methods of containment of hydrocarbon spills.
Used oil to be stored in appropriate receptacle and despatched to appropriate waste facility.	Stored in a sealed drum.
Fuel storage in appropriate receptacle and in bunded areas.	Fuel is stored in 200 litre drums on a cement floor, but the floor is not bunded and signs of spillage were present.
Fuel dispensing to take place over bunded	No bunded areas or containment measures are
areas. Fauna	in place.
Guests and employees should still be sensitised	
to the need to be aware of wildlife and of the appropriate way to interact with wildlife	Comply
Trained guides to escort guests at all times, no self-drive or walking other than in accepted designated areas	Comply



MANAGEMENT MEASURES	AUDIT 2024
Large animal viewing must be conducted	
according to recognised or approved	
conservation protocols	
No game or other natural resource and/or	
occurrences may be disturbed, violated,	Comply
mutilated, destroyed, killed or removed.	
Avoid any sites with nests, burrows, dens etc. of	Comply
protected species.	Compry
No game or other natural resource and/or	
occurrences may be disturbed, violated,	Comply
mutilated, destroyed, killed or removed.	
The greater area around the site should be	Comply
regularly searched for snares.	Comp.y
Flora	
No protected plants may be disturbed by the	
operational activities or be damaged or	Comply
removed.	
Ensure that only permitted access roads and	
paths are used by employees, guest and	Comply
vehicles at all times.	
The Concessionaire shall preserve the	
Concession Area and its game and botanical	
species and ensure that all its guests, visitors	Comply
and employees who enter the Concession Area	
shall do likewise.	
No plant life or other natural resource and/or	Committee
occurrences may be disturbed, violated,	Comply
mutilated, destroyed, killed or removed.	No financia di callatadan tha canacian
Firewood collection may only take place in	No firewood is collected on the concession.
areas approved by the Conservancy Warden.	Firewood is bought from communities and used
The area will be kept free of any alien	for ambience only.
The area will be kept free of any alien	A small grass lawn is prosent
vegetation that has or may inadvertently be introduced.	A small grass lawn is present.
Disruptions to surface water	
Rivers are to be entered and exited only at	
existing points. No off-road driving is permitted	
once the river is exited and, no driving in any	Comply
seasonally inundated areas when flooded or	
moist.	
Contamination and depletion of groundwater	resources
Water conservation must be actively promoted.	
Guests to be informed of water scarcity and	
encouraged to participate in water	Comply
conservation.	



MANAGEMENT MEASURES	AUDIT 2024
Measure and record water use (compare with targets for water use).	No water meter
Repair any leak in the water reticulation system within 24hrs of detection	Comply
The use of biodegradable and eco-friendly soaps and detergents should be encouraged.	Comply
The diesel storage tank volumes will be carefully monitored in order to ensure no leakage.	Comply
Burning of waste and cooking fires cause air	pollution
Burning is allowed for limited amounts of cardboard packaging, and only if the material is not suitable for recycling.	Comply
Noise	
Natural quiet should be achieved wherever possible (especially away from main routes), thus avoiding use of generators at lodges	Comply
Visual environment	Consol the continuit to the constant have a
Motorised accessibility should be limited to existing roads and tracks.	Comply theoretically, but in practice there are secondary tracks and signs of off-road driving.
Only subdued or directional lighting may be used.	Comply
Large volumes of waste are generated	
All physical waste should be managed and	Consults
either recycled or appropriately disposed.	Comply
No waste of any sort is to be buried in riverbeds.	Comply
Appropriate waste bins must be provided at the point of source. All waste bins will be covered and secured to be animal proof.	Comply
A waste holding cage that is bird and animal proof will be used to store the solid waste before it is transported to a municipal dump site. This area should be fenced and secured and it should have a concrete floor to ensure that it can be suitably maintained and no ground seepage will occur.	No compliance. Green plastic bags with waste are kept on the bed of a lorry. It is high enough to prevent hyaena and jackal access, but birds, baboons and cats can easily reach the waste. The bags are closed and wind-blown detritus is unlikely but possible.
If possible and appropriate, glass will be stored on site in suitable containers until there is sufficient to be transported for recycling.	Comply
If possible and appropriate, tins, cans and foil will be stored on site in suitable containers until there is sufficient to be transported for recycling.	Comply



MANAGEMENT MEASURES	AUDIT 2024
If possible and appropriate, plastics will be stored on site in suitable containers until there is sufficient to be transported for recycling.	Comply
If possible and appropriate, paper and cardboard will be stored on site in suitable containers until there is sufficient to be transported for recycling.	Cardboard boxes are burnt on site.
All waste that cannot be recycled or sold will be stored on site in suitable containers. This must be disposed of at a permitted waste site.	Comply
Limited amounts of packaging may be burned in a designated pit.	Comply
Organic waste may be buried in suitably designed "animal –proof" deep pits.	Comply. No burying of waste takes place. Organic waste is taken to a neighbouring farm where it is fed to livestock.
Used oil to be dispatched to an appropriate waste facility.	Comply
Sewage and waste water management	
Fat/grease traps at kitchen outlets to be maintained.	No fat traps
Septic tanks and soak-aways to be maintained.	Comply
Qualitative monitoring of odours will take place.	Comply
Should unpleasant odours be identified, the source of the odours must be identified and the remedied within 1 week of identification.	Comply
Energy	
Energy use to be monitored and meaured in order to ensure that efficiency is striven for.	Comply
Energy saving measures to be continually implemented (lights, use of hybrid solar and diesel generator etc.)	Comply
Diesel generator to only be used as a backup.	Comply
Exhaust emissions cause air pollution, and oi	
Ensure that all equipment is in good working	There is some contamination from fuel
order and does not contaminate soil or water	dispensing area and the workshop, but that is
resources with diesel, petrol, oil or any other	not due to faulty equipment, rather to no
foreign substances.	suitable area being provided.
All vehicles used must be operated with low	
tyre-pressure to minimise negative impacts on tracks and roads.	Comply
To limit track damage all vehicles used will be four-wheel-drive and will be of standard width.	Comply
Employees and guests on site	
The staff and guests shall adhere to any rules and regulations that the MEFT may prescribe at	Comply



MANAGEMENT MEASURES	AUDIT 2024	
all times as well as the management measures		
included in this document.		
The site management must ensure the proper		
supervision of employees and guests at all times	Comply	
and their abidance to any rules and regulations.		
Access to the site must be restricted to	Comply	
employees and guests only.	Compry	
All employees must be educated to the need to		
refrain from the destruction of plants and		
animals, as well as from indiscriminate		
defecation, waste disposal and or pollution of		
soil and water resources.		
The likelihood of rising river water levels is high		
during the rainy season. Storms in upper		
catchment areas may not be observed from the	Comply	
mid-lower reaches of rivers, so activities		
adjacent to rivers should be avoided during		
rainy periods.		
Fire		
The proponent must take all precautions to		
prevent the outbreak and spreading of fires and	Comply	
is to ensure all employees are aware of the		
necessary precautions.		
Gas canisters to be housed in Bureau of	No	
Standards approved structures.		
Fire extinguishers to be strategically located throughout developed area.	Comply	
EMP implementation		
Bi-annual internal audits of EMP compliance	No	
Independent expert to conduct annual	110	
compliance audit.	Yes	
Submission of external annual report to		
environmental authorities	No	
Environmental authorities		

4 ENVIRONMENTAL MANAGEMENT

4.1 Environmental aspects associated with this project:

- Soil
- Fauna
- Flora
- Surface water resources
- Groundwater resources
- Visual environment



- Sewage and wastewater management
- Energy efficiency
- General environmental issues

4.2 Aim of this EMP

The aim of this EMP is to identify potential negative impacts and to suggest management actions that can prevent or mitigate each identified negative impact. Avoidance of damage to the natural environment should be strived for above all.

Protocols and procedures that ensure the effective implementation of management actions are given, as well as the persons or teams responsible. All staff members of the lodge are required to have a working knowledge of the management actions and of their own roles in fulfilling them. Contractors are also obliged to be informed of the EMP and to follow its provisions.

This EMP is a live document and will be updated as new information, data, policies, authority guidelines and technologies develop.

4.3 Responsibility

The proponent is ultimately responsible for the implementation of this EMP.

The teams and/or persons who are expected to implement the EMP in situ, and their roles and responsibilities as defined by Journeys Namibia are listed in Table 2.

Table 2. Persons and teams responsible for implementation.

Person/Team	Responsibilities
OPS : Operations	Overall responsibility for implementation of EMP.
Manager/Director	Support to the construction and other contractors.
	Support and direction to the lodge staff for implementation of the EMP.
Maint: Maintenance	Maintenance and cleaning of buildings, vehicles, machinery, sewerage
team	and waste systems at Game Lodge.
Mgt: Management	Overall management of the lodge.
team at the lodge	Supervision of all staff, including maintenance team and guides.
Guides: Employed by	Transport of guests.
the lodge	Ensuring appropriate human-wildlife interactions.
Contractor:	Ensuring their staff and sub-contractors are informed of the measures
Construction, vehicle	in the EMP.
and other	Ensuring that their staff and sub-contractors adhere to all the EMP
maintenance	measures.



5 MANAGEMENT MEASURES

5.1 Construction phase

This section aims to inform possible future construction seeing as none is planned for the foreseeable future.

Table 3. Prevention and management measures during construction

NATURE OF		
IMPACT	MITIGATION	RESPONSIBILITY
Soil		
Compaction of	Motorised access will be limited to existing tracks and defined	Ops & Contractor
and damage to	development areas. As far as possible, no new roads or tracks	
soils	should be developed within the camp area.	
Soil erosion	No construction or activities within areas containing highly	Ops & Contractor
	erodible dispersed, fine-particle, sodic etc. soils	
	Prevent water runoff from concentrating unnaturally in any one	Contractor
	area.	
	Any water pipes shall be installed in such a way as to minimise	Contractor
	the chance of erosion.	
Soil	The mixing and use of concrete and cement must takes placed	Contractor
contamination	in designated areas so as not to contaminate the sites in any	
	way.	
	All hydrocarbons and chemicals must be stored, handled and	Contractor
	dispensed so as not to contaminate sites in any way.	
	Any spillage must be contained and cleaned up with 24hrs of	Contractor
	occurrence. The resulting waste must be properly disposed of.	
Soil resources and	The boundaries of construction sites that extend beyond	Ops & Contractor
land capability	already impacted areas must be clearly demarcated. Where	
	construction will take place within or close to sensitive features,	
	these should be demarcated.	
	No construction activities are to take place outside the defined	Contractor
	infrastructure footprint areas.	
	Quarries/borrow pits may not be dug without formal	Ops & Contractor
	registration/permission.	Caratarantara
	The movement of construction crew must be within the	Contractor
	demarcated site boundaries at all times.	One & Contractor
	A suitably positioned construction material stockpiling and	Ops & Contractor
	mixing area must be chosen and demarcated. This must be located in an area that is already transformed or disturbed.	
	Access routes from the stockpiling areas to the building sites	Ops & Contractor
	should be demarcated and use enforced. Existing roads should	Ohs & Collifactor
	be used for these purposes.	
	Sand and rocks utilised for construction must be from defined	Contractor
	and already impacted areas. These sites must be identified and	Contractor
	approved by the Director of Operations.	
	Once construction work is completed, all excess material must	Contractor
	be removed and the site suitably rehabilitated.	Contractor
	The use of graders should be avoided because they gouge roads	Contractor
	below the level of the surrounding surface.	
	Delow the level of the surrounding surrace.	l



NATURE OF		
IMPACT	MITIGATION	RESPONSIBILITY
Topography		
Significant	Site levelling and landscaping only where required by the	Ops & Contractor
alterations to the	designs. No earthmoving equipment may be used without the	
shape of the	express permission of MEFT.	
landscape	Construction site office and facilities to be dismantled and removed once construction is completed	Ops & Contractor
Biodiversity		
Death of	Avoid any sites with nests, burrows, dens etc. of protected	Ops & Contractor
amphibians,	species.	
reptiles, birds		
Habitat	See under SOIL	Ops & Contractor
destruction		
Poaching,	The greater area around building sites should be searched for	Ops
especially	snares during the construction phase and after construction is	
tortoises and	complete.	
small mammals	Restriction of contractor staff movement	Ops
	Inspection of contractor staff housing	Ops
Damage	Continuous monitoring to ensure that no protected species are	Ops & Contractor
to/removal of	impacted.	
protected species		
Damage to	Motorised access should be limited to existing tracks and	All
vegetation	defined development areas. As far as possible, no new roads or	
	tracks should be developed within this area.	
	The clearance of or damage to trees and shrubs beyond the development footprint must be prevented.	All
	As many trees and shrubs as possible should be retained within	All
	the development area.	
	All mature trees and shrubs remain.	All
	Ensure that only permitted access roads and paths are used by	All
	construction workers and vehicles at all times.	
	No firewood may be collected.	All
Spread of invasive vegetation	No alien invasive or plants that do not occur locally will be planted.	All
	Introduced construction materials must be free from seedlings	Ops & Contractor
	and seeds of alien invasive vegetation.	
Landscape	Upon closure of construction, site must be rehabilitated using	Ops & Contractor
disturbance from	only indigenous vegetation.	
construction		
activities		
Hydrology		
Groundwater	No construction activities may take place within 1:100 year	All
contamination	flood line of any watercourse or within 50m of a spring.	All
Erosion of river banks	Rivers to be entered and exited using only existing approaches and entrance/exit points.	All
Surface water	The mixing and use of concrete and cement must be only take	Ops & Contractor
contamination	place in designated areas so as not to contaminate the sites in	5 p. 5 c. 501111 detel
331164111111411011	any way.	
1		



NATURE OF		
IMPACT	MITIGATION	RESPONSIBILITY
	All hydrocarbons and chemicals must be stored, handled and	Ops & Contractor
	dispensed so as not to contaminate sites in any way.	
Visual impact		
Vehicle tracks	As far as possible, no new roads or tracks should be developed.	All
	Building materials should be transported on either existing	
	tracks or tracks that will be used during operations. Contractors	
	and their staff are made aware of driving protocols and heavy	
	fines are levied for any form of off-road driving.	
Construction	Construction site office and other temporary facilities are put	Ops & Contractor
structures and	on sites that will definitely be used during the operational	
temporary	phase. Everything is dismantled and removed after	
facilities	construction.	_
Support	Towers, raised tanks, communication infrastructure, solar	Ops.
infrastructure is	panels and other prominent maintenance structures and	
ugly	equipment should be sited out of sight of the public. High	
	structures should be sited below the skyline of	
	ridges/koppies/dunes.	
	Road signs should be made from materials and in colours that	
	contribute to the sense of place.	
Duildings intereds	Pipes and cables are buried or otherwise hidden from view.	
Buildings intrude	The lodge, back of house and support buildings should be	
on a pristine	designed to blend into the natural environment. Shapes should	
landscape and detract from a	not contrast with the surrounding area (e.g. no high rise buildings) and colours should be chosen to be in harmony with	
sense of place	the environment.	
Ecological	ewage and waste water discharge Littering is not permitted and all waste must be placed in	All
damage from	appropriate receptacles.	All
solid waste	The contractor will provide a suitable, animal proof receptacle	Contractor
John Waste	to contain all daily refuse. A waste holding cage that is bird and	Contractor
	animal proof will be used to store the solid waste before it is	
	transported to a municipal dump site.	
	All building rubble is consolidated in a suitable location,	Contractor
	removed from the area and disposed of in a suitable and legal	
	location in an environmentally acceptable manner.	
	Used oils and other workshop waste to be stored in suitable	Contractor
	receptacles and dispatched to appropriate waste facility.	
Ecological	Fat/grease traps will be installed at kitchen outlets.	Ops & Contractor
damage from	Adequate temporary ablutions to be provided for workers.	Contractor
sewage and	Ablutions are regularly serviced and the sewage disposed of at	Contractor
waste water	a suitable designated location and in an environmentally	
discharge	appropriate manner.	
Unpleasant	Regular maintenance of sewerage system as per company	Contractor
odours	policies & procedures	
	Should unpleasant odours be identified, the source of the	Contractor
	odours must be identified and remedied within one day.	



NATURE OF		
	MITIGATION	RESPONSIBILITY
Machinery & ve	ehicles	
	Efficient, modern, silenced generator only.	Contractor
	The contractor will ensure that all equipment is in good working	Contractor
	order and will not contaminate soil or water resources with	
hydrocarbons	diesel, petrol, oil or any other foreign substances.	
	Drip trays to be place under any leak that is identified.	Contractor
	Vehicles and machinery with fuel, oil or hydraulic fluid leaks	Contractor
	must be removed from service for repair.	
	No servicing or major repair of vehicles and machinery may	Contractor
	take place on-site.	
Damage to roads	The contractor shall ensure that all vehicles remain on	All
and tracks	designated roads at all times. No off road driving under any	
	circumstances.	
	All vehicles used in the area must be operated with low tyre-	All
	pressure to minimise negative impacts on tracks and roads.	
Construction st	taff damage local environment	
Disruption of	The contractor and his employees shall adhere to all rules and	Contractor
ecological	regulations prescribed by the relevant authority at all times, as	
	well as to the management measures presented in this	
	document.	
	The contractor will ensure the proper supervision of employees	Contractor
_	at all times and their compliance with rules and regulations.	
	All employees will be educated to the need to refrain from the	Ops & Contractor
	destruction of plants and animals, as well as from	
	indiscriminate defacation, waste disposal and pollution of soil	
	and water resources.	One & Contractor
	Access to the site is restricted to contractor's employees only.	Ops & Contractor
	struction of habitat and death of animals	One & Contractor
	Take all precautions to prevent the outbreak and spreading of	Ops & Contractor
	fires and ensure all employees are aware of the necessary precautions.	
 	Gas canisters to be housed in Bureau of Standards approved	Ops & Contractor
	structures.	Ops & Contractor
	Fire extinguishers strategically located throughout construction	Ops & Contractor
	area.	ops & contractor
spreads to bush	a.ca.	
	Bush firefighting equipment placed with easy access	Ops & Contractor
Health and Saf		·
	Compliance with Health & Safety regulations: all persons on the	Contractor
1 1	construction site should adhere to industry Health & Safety	
	regulations at all times	
_	Equipment and tools handled only by persons qualified in their	Contractor
	use.	
Burn injuries	Fire extinguishers strategically located on construction site and	Contractor
	staff trained in usage.	



5.2 Operational phase

Table 4 contains a new, updated set of management/mitigation measures for the operational phase.

Table 4. Prevention and management measures during operations

NATURE OF IMPACT	MITIGATION	RESPONSIBILI TY
BIODIVERSITY		
Impacts associated with human-wildlife interaction	Guests and employees are made aware that they are in a sensitive environment, and are taught the appropriate way to interact with wildlife.	Mgt. Guides
Damage to animal habitats, including plants	Trained guides escort guests at all times, no self-drive or walking other than in designated areas.	Guides
	No harvesting of plants or collection of firewood should be permitted. No plants or animals may be disturbed, violated, destroyed or removed.	All
	Employees should be educated to refrain from the destruction of plants and animals, indiscriminate defecation, waste disposal and pollution of soil and water.	Mgt.
Animal species and/or individuals are disturbed in their daily behaviour or destroyed by moving vehicles, earthworks, etc.	No hunting, consumption or possession of game or game products should be allowed. The police and MEFT should be notified immediately if anyone, including an employee or contractor, is found with a firearm, wild animal, game meat or other wild animal products, e.g. skins, pangolin scales, tortoise shells.	All
	Employees and contractors should be educated on this provision, and be made aware IN WRITING of the consequences of transgression. Any breach of this provision should be treated as a criminal offence.	Ops. Mgt.
	Game viewing protocols should be followed, especially in the vicinity of dens and burrows.	Mgt. Guides
	Avoid areas with nests, dens or burrows, both on the lodge site and while on game drive.	All
	Nests that are found on buildings or other infrastructure may not be removed or destroyed. If the nest or animal presence poses a health or safety risk, call in a specialist to deal with it.	All



NATURE OF IMPACT	MITIGATION	RESPONSIBILI TY
	Reptiles are particularly vulnerable to destruction when roads are graded or any form of earthworks is being done. Snakes are often killed on sight regardless of its venomousness, and tortoises are killed for food. Ongoing education of staff and contractors is essential to prevent the arbitrary killing of snakes, tortoises and other reptiles, many of which are protected species.	Ops. Mgt.
	The lodge site, its boundaries and game drive routes should be inspected for snares and traps, and when found they should be removed immediately.	Mgt. Maint.
Plant species are affected by operational activities, maintenance or construction.	No protected, rare or endangered plants should be disturbed, damaged or removed.	All
	Identify rare, endemic and protected plants before any construction or land clearing activities, fence the plants and/or assemblage of plants, and ensure the area is treated as a no-go zone.	All
	Trees and shrubs should be inspected for bird and mammal nests, and signs of breeding and roosting before any land clearing commences.	Mgt
Damage to plants	Only permitted access roads and paths should be used by employees, guest and vehicles at all times.	All
	No off-road driving should be allowed.	All
Spread of invasive vegetation	The area should be kept free of alien and invasive vegetation.	Mgt. Ops.
SOLID WASTE		
Large volumes of waste are generated	Minimise waste by buying supplies in bulk and using re-usable packaging and transport options.	Ops.
	Minimise water bottle waste by promoting local tap water and providing re-usable water bottles to guests.	Mgt. Guides
Waste management	All physical waste should be either recycled or appropriately disposed.	Mgt. Maint.
	No waste may be buried on the concession.	All
	Appropriate waste bins are provided at the point of source. All waste bins are covered and secured to be animal proof.	Mgt.
	Separation of waste should be done at point of source.	All



NATURE OF IMPACT	MITIGATION	RESPONSIBILI TY
	Temporary storage of waste should be in an enclosure that is bird, animal and wind proof. The floor should be impermeable to prevent ground seepage.	Ops. Maint.
	Recyclable waste (glass, cans, plastics, paper) should be stored on site and then transported for recycling.	Mgt
	Organic waste should be donated to a neighbouring community or sealed and removed from the concession with the recyclable waste.	Mgt
	All waste that cannot be recycled or sold should be stored on site in suitable containers, then disposed of at a permitted waste site.	Maint.
	Limited amounts of packaging may be burned in an incinerator. The incinerator should be enclosed and have a high enough chimney so that sparks or burning material cannot escape.	Maint.
Hydrocarbons cause soil and groundwater contamination	Used hydrocarbons should be collected at point of use and stored in sealed containers.	Maint.
8.00.10.10.10.10.10.10.10.10.10.10.10.10.	Used hydrocarbons should be despatched to an appropriate waste facility.	Mgt.
ENERGY		
Excessive use of fossil fuels	Energy use (electricity, diesel, petrol, paraffin, gas) should be metered and monitored. Readings should be compared with target usage to ensure optimum efficiency.	Mgt. Maint.
	A solar system provides at least 80% of energy for the entire operation, including staff and maintenance areas.	
	Generator should be used as back-up only.	Mgt.
	Geysers are solar powered.	Ops.
	All cooking should be done with gas.	Ops. Mgt.
	All electrical appliances are energy-efficient models. Fridge and freezer doors seal tightly and are kept closed.	Ops. Mgt.
Generator noise disturbs the natural quiet	Generator should be housed in noise-limiting container; use generator only during daylight or for limited hours.	Ops. Mgt.
Firewood collection affects ecosystems and denudes the landscape	Firewood should be bought from renewable sources. No firewood should be collected in the concession.	All



NATURE OF IMPACT	MITIGATION	RESPONSIBILI TY
WATER CONSUMPTION		
Loss of water through leaks in reticulation system	Maintenance programme for pipes and tanks should be in place. Leaks and faults are repaired immediately upon detection.	Maint.
Water conservation measures	Water conservation should be actively promoted among guests and staff. Guests are informed of water scarcity and encouraged to participate in water conservation.	Mgt.
	A water meter should be installed and water usage should be measured and recorded on at least a monthly basis.	Mgt.
	Usage should be less than 100 litres per bednight (including guests, staff, contractors and non-paying visitors).	Mgt.
	Vehicles and floors are washed with a bucket and not hosepipe.	Mgt.
SEWERAGE AND WASTEWATER		
Contamination of soil, as well as surface and groundwater, due to sewage and waste water discharge	Sewerage system is maintained.	Maint.
_	Bio-degradable toilet cleaners are used to preserve bacteria in the septic system.	Mgt.
	All toilets are flush-type toilets and drain into septic tanks. Liquid overflow from the septic tanks must drain into an evaporation pond. The pond must be fenced to prevent animal access and it must have anti- contamination measures such as a reed bed.	
Ecological impacts	Fat/grease traps are installed at kitchen outlets and maintained.	Maint.
	Septic tanks and soak-aways are maintained.	Maint.
Unpleasant odours	Qualitative monitoring of odours.	Maint.
	The source of unpleasant odours are identified and remedied within 1 week of identification.	Maint.
VEHICLE USAGE		
Erosion of roads and tracks	Regular maintenance of roads and tracks.	Maint.
	Implement measures to disperse concentrated water flow and repair erosion at such locations.	Maint.



NATURE OF IMPACT	MITIGATION	RESPONSIBILI TY
Damage to roads and tracks	Low tyre pressure on all operational vehicles.	Mgt. Guides
	Operational vehicles are 4-wheel drive and of standard width.	Mgt.
Off-road driving causes compaction of	No off-road driving should be allowed. Only permitted access roads and paths are	All
and damage to soil	used by employees, guests and vehicles at all times.	
	Making tracks next to a road should be not allowed. Taking shortcuts should be not	All
	allowed.	
	New roads and tracks have to be authorised and are developed according to the road	Ops.
	plan.	
	Vehicles are concessioned only in designated concessioning areas.	All
Exhaust emissions cause air pollution	Vehicles are serviced regularly and monitored for excessive exhaust emissions.	Maint.
Driving in rivers disrupts surface water	Rivers are entered and exited only at existing and designated points. No off-road	Guides
hydrology	driving is permitted once a river is exited.	
Driving over flooded or moist areas	No driving in seasonally inundated areas when flooded or moist.	Guides
disrupts surface water hydrology		
OPERATIONAL ACTIVITIES		
Toiletries and cleaning chemicals cause contamination of the soil, as well as surface and ground water	Kitchen and housekeeping soaps and detergents are biodegradable and eco-friendly.	Mgt.
	Biodegradable and eco-friendly guest amenities are provided.	Mgt.
Vehicle parking, servicing and other workshop activities cause soil and groundwater contamination	Vehicle servicing should be done on an impervious, bunded surface or over oil pans.	Maint.
Fuel storage and refuelling procedures	Fuel should be stored in appropriate receptacles and on a bunded, impermeable	Maint.
cause soil and groundwater contamination	surface.	
	Fuel should be dispensed over impervious, bunded surface or drip trays.	Maint.
Noise disturbs the natural quiet	Graders, tractors and power tools are used during daylight only.	Mgt.



NATURE OF IMPACT	MITIGATION	RESPONSIBILI TY
	Radio, tv, staff voices, revving cars, drones are some sources of noise that should not be allowed or at least strictly controlled.	All
Contamination of soil by paint, thinners,	These substances are stored in sealed, clearly marked containers and only in	Mgt. Maint.
varnish, turpentine, detergents, etc.	designated store rooms. Care is taken to avoid spills and unnecessary contact with	
	soil, water, vegetation and animals. Decanting is done over a drip tray to prevent	
	spillage and further than 40 m of any natural water source.	
DESIGN AND LANDSCAPING		·
Light pollution at night	Only subdued or directional lighting should be used.	Ops.
HEALTH AND SAFETY		
Labour policies	The company should be in compliance with all national legislation and regulations	Ops.
	governing workplace equity and diversity.	
Staff and guest health and safety	The company should be in compliance with all national legislation and regulations	Ops.
	governing health and safety measures.	
	Protective clothing, as appropriate to operations, should be provided to employees.	Ops.
	Adequate first aid kits are available and regularly maintained. A suitable number of	Ops.
	employees should be trained in first aid.	
	On-site staff housing should be large enough, secure and clean. Staff have access to	Ops.
	running water, adequate sanitation and safe, clean energy.	
	Employees and guests are made aware of procedures to follow in the event of an	Mgt.
	emergency, e.g. which person to contact, how to contact him/her during the night;	
	evacuation routes.	
	An awareness and prevention programme should be in place for HIV/Aids and	Ops.
	infectious diseases.	
	Employees responsible for guest transport have valid licences and public driving	Mgt.
	permits.	
Fire	All precautions are taken to prevent the outbreak and spread of fires. Employees are	Mgt.
	aware of the necessary precautions.	



NATURE OF IMPACT	MITIGATION	RESPONSIBILI TY
	Fire fighting equipment should be available, regularly maintained, and employees are trained in fire safety.	Mgt.
	Gas canisters are stored in Bureau of Standards approved structures.	Mgt.
	Fire extinguishers are strategically located throughout the developed area.	Mgt.
CULTURAL RESOURCES		
Heritage objects and sites of conservation significance	The sites are demarcated in an appropriate way. Staff and guests are informed of their value.	Mgt. Ops.
	The sites are no-go areas.	
IMPLEMENTATION OF EMP		
Eco Awards certification	Apply for an assessment. Keep up to date according to the programme regulations. Submit self-assessments before expiry date.	Ops.
Ensure effective implementation of the EMP	Biannual environmental report is sent to MEFT.	Ops.



5.3 Closure and decommissioning

It is unlikely that decommissioning and rehabilitation will be required for the lodge, but rather that the management be transferred to another party. If this should be the case, the new management will be required to continue implementing the management measures outlined in this document.

In the unlikely event that it is necessary to close and rehabilitate Hobatere Lodge, the site will be suitably re-vegetated or if this is not appropriate then it will be covered with scrub to ensure that soil erosion does not result and to provide protection for reseeding vegetation. A site assessment will be carried out after closure to ensure that no structures remain and that the site rehabilitation has been fully achieved.

At a conceptual level, decommissioning will be considered a reverse of the construction phase activities with the demolition and removal of the majority of the surface infrastructure and activities very similar to those described with respect to the construction phase, and is summarised in Table 5.

The rehabilitation phase occurs after the cessation of all decommissioning activities. Relevant decommissioning activities are those related to the after care and maintenance of remaining structures, if any structures remain.

The four primary closure objectives are:

- 1. Protect public health and safety, as well as faunal health and safety.
- 2. Alleviate or eliminate environmental damage.
- 3. Return the site to its original condition.
- 4. Provide sustainable social and economic benefits to the extent possible.

Table 5. Prevention and management measures for closure

NATURE OF		RESPONSIBIL
IMPACT	MITIGATION	ITY
Soil		
Compaction of and	Construction guidelines will apply to ensure limited	Ops &
damage to soils,	impact.	Contractor
contamination		
Animals: habitat distu	rbance; death of animals	
Poaching, habitat or	Construction guidelines will apply to ensure limited	Ops &
behaviour	impact.	Contractor
disturbance		
Vegetation: destruction	on of & damage to plants; disturbance of soil	
Soil erosion	The site will be suitably re-vegetated. If this is not	Ops &
	appropriate, then it will be covered with scrub to	Contractor
	prevent soil erosion and to provide protection for	
	colonising vegetation.	
Alien plant invasion	Follow-ups will be done to ensure that alien or	Ops &
	invasive plants and weeds have not flourished.	Contractor



NATURE OF		RESPONSIBIL	
IMPACT	MITIGATION	ITY	
Damage to vegetation	Construction guidelines will apply to ensure limited	Ops &	
	impact.	Contractor	
Infrastructure			
Buildings and support	All structures will be completely removed to the	Ops &	
infrastructure	satisfaction of MEFT.	Contractor	
Roads and tracks	As required by MEFT, roads and tracks will be	Ops &	
	rehabilitated to a state as close as possible to the	Contractor	
	original condition of the area.		
Pathways	All pathways will be rehabilitated to a state as close	Ops &	
	as possible to the pre-construction condition.	Contractor	
Hydrology			
Contamination of	Construction guidelines will apply to ensure limited	Ops &	
ground and surface	impact.	Contractor	
water, erosion of river			
banks			
Negative visual impac	Septic tanks will be drained and removed. The area	Ops &	
Sewerage system	(including soak-away) will be filled with rubble or	Contractor	
	with fill from an environmentally acceptable source.	Contractor	
Water pipes	All pipe lines will be removed from the concession.	Ops &	
water pipes	All pipe lines will be removed from the concession.	Contractor	
Electricity lines	All electricity infrastructure will be removed from	Ops &	
Licetricity inies	the concession.	Contractor	
Foundations, concrete	All structures in or on the ground will be removed.	Ops &	
slabs, holes in ground	All holes, pits and depressions will be filled.	Contractor	
Ground surface	Ground surface will be raked, swept and levelled as	Ops &	
retains signs of	appropriate. Rocks, stones and vegetable matter will	Contractor	
development	be scattered as appropriate to return the ground to		
'	a state as close as possible to its original condition.		
Construction	Construction site office, facilities and structures to	Ops &	
structures and	be dismantled and removed once decommissioning	Contractor	
facilities	is completed		
Solid waste, sewage	and wastewater discharge		
Large volumes of	Everything will be removed from the concession and	Ops &	
rubble, materials and	taken to a registered landfill.	Contractor	
equipment			
	Nothing will be burnt or buried on the concession.	Ops &	
		Contractor	
Ecological damage	Construction guidelines will apply to ensure limited	Ops &	
	impact.	Contractor	
Machinery & vehicles: noise, contamination of soil and water by liquids, erosion of roads			
Noise, contamination	Construction guidelines will apply to ensure limited	Ops &	
of soil and water,	impact.	Contractor	
erosion			
Construction staff damage local environment			



NATURE OF		RESPONSIBIL
IMPACT	MITIGATION	ITY
Disruption of	Construction guidelines will apply to ensure limited	Ops &
ecological processes	impact.	Contractor
through physical acts		
and/or pollution		
Bush fires: destruction	n of habitat and death of animals	
Outbreak of fire	Construction guidelines will apply to ensure limited	Ops &
	impact.	Contractor
Health and Safety of	staff	
Injury to persons	Construction guidelines will apply to ensure limited	Ops &
	impact.	Contractor

6 IMPLEMENTATION OF THE EMP

This section describes the roles and responsibilities for implementing the different parts of the EMP.

6.1 Journeys Namibia

As Concession Operator, Journeys Namibia has overall responsibility for environmental management during the operational and rehabilitation phases, and for ensuring this EMP is implemented. Journeys Namibia is responsible for managing and monitoring the environmental issues associated with the facilities/activities. Journeys Namibia is also overall responsible for the management of the lodge.

Journeys Namibia is responsible for assisting the Conservancy Warden with all environmental issues, and specifically to ensure that the commitments as set out in this EMP are implemented for the duration of the construction, operation and rehabilitation activities.

6.2 ≠Khoadi-//Hôas Conservancy

The conservancy is accountable to MEFT for responsible, sustainable development and usage of the concession. Their role is to monitor that Journeys Namibia complies with the EMP, give support to Journeys Namibia when requested, and report to MEFT.

6.3 MEFT

MEFT is the custodian of the land and its living assets. As concessionaire, MEFT is responsible for supporting the conservancy and Journeys Namibia in conservation-related matters, as well as for monitoring compliance with the EMP.

6.4 Maintenance

The maintenance team maintains vehicles and machinery, as well as the sewerage and waste water systems.

6.5 Guides

Guides transport guests in and around the concession. The guides are responsible for ensuring that human-wildlife interactions take place in an appropriate manner.



6.6 Contractors

Contractors will be legally required to comply with the measures in this EMP. Each contractor will be required to develop their own individual EMPs and/or a statement of methods based on this EMP and on any other relevant requirements and specifications. The contractor EMP will focus on the specific aspects of the contractor's work requirements and work areas.

The Conservancy Warden and the relevant contractor's environmental officer will conduct daily informal inspections at contractor areas. Non-compliances will be recorded and action plans developed in conjunction with the contractor that contravened the clause of the EMP.

Contractors will be formally audited on a monthly basis in order to determine compliance with the relevant EMPs/MSs. In the event of non-conformances, the contractor will be required to take corrective action according to the requirements of ≠Khoadi-//Hôas Conservancy.

7 EMERGENCY PROCEDURES

Sewage or wastewater spills

Should leaks in the sewerage system or waste water system be detected, the following actions must be taken:

- The spillage should be contained (bunded earth walls) and the source turned off.
 Depending on the amount of spillage it could be remediated in situ or in the case of a large amount of spillage that is contained, could be removed.
- The leakage must be stopped, and source of the spill must be repaired.

Hydrocarbon or chemical Spills

The objective is to contain and remediate spillages of hydrocarbons (petrol, diesel, oil, lubricants) and other chemicals.

The following actions must be taken:

- A spill kit will be placed on site.
- Procedure dealing with various types of spills will be drawn up.
- Contact the lodge management in the event of a spill.
- The spillage should be contained (bunded earth walls) and the source turned off.
- The lodge management organises a team to do the clean-up.
- Demarcate the spilled area where practicable.
- Move the spill kits to the area.
- Scoop up the spilled substance along with contaminated soil or any absorbent material using the spill kit shovel. Place the scooped-up substance into plastic bags.
- The waste bags must be marked and disposed as hazardous waste.
- The leakage must be stopped, and the source of the spill must be repaired.



8 RECOMMENDATIONS

The Water Resources Management Act, 2013 came into effect on 29 August 2024 and two permits are required for this project by the Water Resources Management Regulations (no 269 of 2023):

- Water abstraction permit from the Ministry of Agriculture, Water and Land Reform
- Effluent discharge/sewage permit from the Ministry of Agriculture, Water and Land Reform

It is the responsibility of the proponent to obtain these permits and ensure they are up to date.

The recommendations in the Environmental Monitoring Report are repeated here:

8.1 Solid waste

A holding facility for solid waste needs to be constructed. It should be bird and mammal proof and have a concrete floor to ensure easy cleaning and prevent seepage into the soil.

8.2 Fires

It is recommended that the burning of cardboard boxes be minimised and that they be transported with other recyclable waste. Dirty cardboards, e.g. where blood has leaked, may be burnt to avoid health risks.

There is a fireplace in front of every staff unit. Cooking fires contribute to air pollution and staff should be educated and encouraged to cook on the gas stoves provided in each unit. The stoves should be maintained and in working order at all times.

8.3 Fat traps

The fat trap at the lodge kitchen has been bypassed by installing a pipe above it. Fat traps are only efficient if they are cleaned and maintained. Training of staff and supervision by the manager are recommended once the existing fat trap has been repaired or replaced.

A fat trap should be installed in the staff village at a point before wastewater enters the sewerage system.

Diligent adherence to maintenance routines is necessary to keep the equipment functional.

8.4 Fuel

Diesel and other hydrocarbons should be stored and dispensed on an impermeable, bunded floor. Measures should be taken to contain accidental spills and there should be a disposal protocol for accidental spills.

It is recommended that a fuel storage and dispensing area with a low retaining wall is built, and that no fuel or oil is allowed to be dispensed from anywhere else. Spill trays should be provided, and staff should be trained in their use.



8.5 Water savings

Install a water meter, at least one for the total usage of the lodge and ideally one meter for every usage zone e.g. guest areas, staff village, management housing and workshop so that leaks can be detected and repaired quickly. Record water use and measure it against conservation targets.

8.6 Off-road driving

There are many secondary tracks and signs of off-road driving despite a prohibition on any off-road driving in the SOP and Guiding Protocol. Since MEFT officials from Galton Gate regularly patrol the game drive routes, it is recommended that Hobatere and MEFT cooperate to eliminate this destructive behaviour.

8.7 Environmental training

Education of staff in all aspects of the EMP is recommended. An understanding of the reasons why certain behaviours are encouraged and others prohibited usually results in a higher level of compliance.

9 CONCLUSION

There is a medium-high level of compliance with the EMP. Some negative impacts were identified, all of them with a medium level of significance. By implementing the recommendations made in this document, their significance can be mitigated to a very low level.

It is suggested that:

- a) Environmental Clearance be renewed, and
- b) In their next biannual report, Journeys Namibia update their compliance with the recommendations in Section 8.