ENVIRONMENTAL & SOCIAL IMPACT ASSESSMENT FOR THE REZONING OF PORTION A (A PORTION OF ERF 426) OUTJO PROPER FROM 'INSTITUTIONAL' TO GENERAL BUSINESS', KUNENE REGION, NAMIBIA

ENVIRONMENTAL MANAGEMENT PLAN (EMP) MAY 2024

PLAN AFRICA CONSULTING CC
TOWN AND REGIONAL PLANNERS

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REPORT TITLE	ENVIRONMENTAL MANAGEMENT PLAN: (EMP)
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Definitions

TERMS	DEFINITION
BID	Background Information Document
DEFRA	The Department for Environment, Food and Rural Affairs
EAP	Environmental Assessment Practitioner
ECC	Environmental Clearance Certificate
EIA	Environmental Impact Assessment
ESA	Environmental Scoping Assessment
ESIA	Environmental and Social Impact Assessment
EMP	Environmental Management Plan
FLTS	Flexible Land Tenure System
I&APs	Interested and Affected Parties
MAWLR	Ministry of Agriculture, Water and Land Reform
MEFT: DEAF	Ministry of Environment, Forestry and Tourism's Department
	of Environmental Affairs and Forestry
NHC	National Heritage Council
N(EMA)	Namibia Environmental Management Act
PRP	Pit Rehabilitation Plan
ToR	Terms of Reference
UNFCCC	United Nations Framework Convention on Climate Change

1 CHAPTER ONE: BACKGROUND INFORMATION

1.1 INTRODUCTION

Plan Africa Consulting cc was appointed by the proponent, Omamanya Safaris(Pty) Ltd, to conduct an Environmental Impact Assessment (EIA) for the rezoning of Portion A (a portion of Erf 426) Outjo, Kunene Region, from 'Institutional' to 'General Business'.

Deutsche Evangelisch Lutherische Gemeinde Outjo intends to sell a portion of Erf 426 to Omamanya Safaris (Pty) Ltd, the Proponent. It is the intention of Omamanya Safaris to rezone Portion A (991m²) of Erf 426 to 'General Business' and subsequently consolidate it with Erf 1078 into Erf X. Furthermore the proponent intends to construct a business building on the respective consolidated Erf X. In accordance with the EIA Regulations (GN 30 IN gg 4878 OF 6 February 2012) of the Environmental management Act (No.7 of 2007), the activities listed below, which forms part of the proposed operations, may not be undertaken without an Environmental Clearance:

LAND USE AND DEVELOPMENT ACTIVITIES

The rezoning of land for commercial use

1.2 PROJECT LOCALITY AND DESCIRPTION

Erf 426 and 1078 are located within the town's centre, along Lategan Road. The erven lie adjacent to the Outjo Municipality and opposite Spar Supermarket and Outjo Bakery. A portion of Erf 426 measures +-991m² and is currently zoned 'institutional', while Erf 1078 is zoned 'general business' and measures 424m². The consolidated Erf will measure 1415m².

The eastern side of the erven constitutes various businesses, which include a supermarket, bakery, service station, building material store and a pharmacy. Hence, there's minimal functional impact anticipated as the mother Erf is zoned business so is most of the existing developed surrounding area.



Figure 1: Locality of Erven 426 & 1078 Outjo Proper

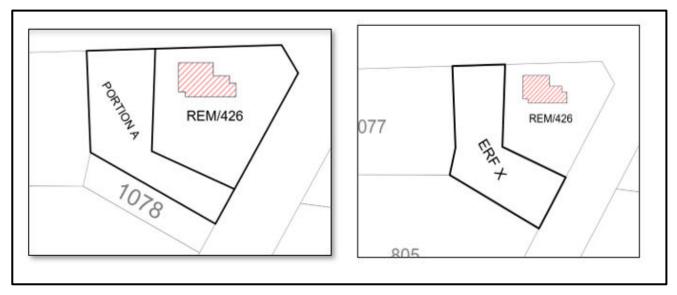


Figure 2: Proposed Subdivision & Consolidation



Figure 3: Aerial view of Erven 426 & 1078 Outjo Proper

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LOCALITY OF ERVEN 426 AND 1078 CO -ORDINATES: (Lat -20.105970° |

Long 16.151090°)

KUNENE REGION NAMIBIA

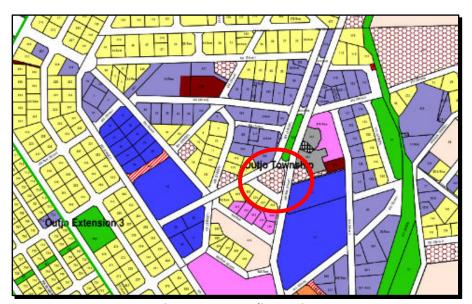


Figure 4: Surrounding Zoning

The owner of Erf 1078 desires to buy a portion from the church (Erf 426) and rezone it to "business" to consolidate with Erf 1078. The intent is to subdivide Erf 426 into Portion A and Remainder, subsequently rezoning Portion A from institutional to general business and consolidating it with Erf 1078 into one erf (Erf X).

2 CHAPTER TWO: POLICY, LEGAL AND ADMINISTRATIVE FRAMEWORK

2.1 LAND USE AND OWNERSHIP

This section is a presentation of the legislative framework within which the proposed development related activities will conform; the focus is on compliance with the legislation during the planning, construction and operational phases. All relevant legislation, policies and international statutes applying to the project are highlighted in Table below as specified in the Environmental Management Act, 2007 (Act No.7 of 2007) and the regulations for Environmental Impact Assessment as set out in the Schedule of Government Notice No. 30 (2012)

Table 1: Policies, Legal and Administrative Regulations

Aspect	Legislation	Relevant Provisions	Relevance to the Project		
The Constitution	Namibian Constitution First Amendment Act 34 of 1998	 Article 16(1) guarantees all persons the right to property. It therefore provides everyone a right to acquire, own and dispose of property, alone or in association with others and to bequeath such property. "The State shall actively promote and maintain the welfare of the people by adopting policies that are aimed at maintaining ecosystems, essential ecological processes and the biological diversity of Namibia. It further promotes the sustainable utilization of living natural resources basis for the benefit of all Namibians, both present and future." (Article 95(I)). 	1		
National Development Plans		 Namibia's overall Development ambitions are articulated in the National Vision 2030. At the operational level, five-yearly national development plans (NDP's) are prepared in extensive consultations led by the National Planning Commission in the Office of the President. The Government has so far launched a 4th NDP focusing on high and sustained economic growth, increased income equality Employment creation. 	 The proposed project will propel NDP4 targets in logistics and commodities market. Adding on, this will create employment which will work towards the NDP and Vision 2030. 		
Archaeology	National Heritage Act 27 of 2004	- Section 48(1) states that "A person may apply to the Namibian Heritage Council (NHC) for a permit to carry out works or activities in relation to a protected place or protected object"	 Any heritage resources discovered would require a permit from the NHC for relocation. 		
	National Monuments Act of Namibia (No. 28 of	"No person shall destroy, damage, excavate, alter, remove from its original site or export from Namibia:	The proposed site of development is not within any known monument sites, both movable and immovable as specified in the Act, however in		

	1969) as amended until 1979	 Meteorites, fossils, petroglyphs, ornamental infrastructure graves, caves, rock shelters, middens, shells that came into existence before the year 1900 AD; or any other archaeological or palaeontological finds 	, ,			
Environmental	Environmental Management Act 7 of 2007	 Requires that projects with significant environmental impacts are subject to an environmental assessment process (Section 27). Requires for adequate public participation during the environmental assessment process for interested and affected parties to voice their opinions about a project (Section 2(b-c)). According to Section 5(4) a person may not discard waste as defined in Section 5(1)(b) in any way other than at a disposal site declared by the Minister of Environment and Tourism or in a manner prescribed by the Minister. Details principles which are to guide all EIAs 	This Act and its regulations should inform and guide this EIA process.			
	EIA Regulations GN 57/2007 (GG 3812)	 Details requirements for public consultation within a given environmental assessment process (GN No 30 S21). Details the requirements for what should be included in a Scoping Report (GN No 30 S8) an EIA report (GN No 30 S15). 	This Act and its regulations should inform and guide this EIA process.			
	Pollution and Waste Management Bill (draft)	 This bill defines pollution and the different types of pollution. It also points out how the Government intends to regulate the different types of pollution to maintain a clean and safe environment. The bill also describes how waste should be managed to reduce environmental pollution. Failure to comply with the requirements considered an offence and is punishable. 	 The project should be executed in harmony with the requirements of the act to reduce negative impacts on the surrounding environs from waste during construction or operation. Outjo waste management by-laws will be abide to during construction and operation. 			
	Soil Conservation Act 76 of 1969	- This acts makes provision for combating and for the prevention of soil erosion, it promotes the conservation, protection and improvement of the soil, vegetation, sources and resources of the Republic of Namibia.	The Project impact on soil will rather be localised, however the Act should provide for guidelines of operation during construction to prevent soil erosion and contamination during operation.			

	National Biodiversity Strategy and Action Plan (NBSAP2)	 The action plan was operationalized in a bid to make aware the critical importance of biodiversity conservation in Namibia, putting together management of matters to do with ecosystems protection, biosafety, and biosystematics protection on both terrestrial and aquatic systems. 	 Forming part of the EIA of and EMP for this Project, the proponent will consider all associated impacts, both acute and long term, and will propose methods and ways to sustain the local biodiversity.
Forestry	Forest Act 12 of 2001	 Tree species and any vegetation within 100m from a watercourse may not be removed without a permit (S22(1) Provision for the protection of various plant species. 	 The clearing of vegetation is prohibited (subject to a permit) 100m either side of a river. Certain tree species occurring in the area are protected under this Act. Permits must be obtained from MAWF in accordance with the Act. However, on site there are no trees that require clearing permit.
Water	Water Act 54 of 1956	 The Water Resources Management Act 24 of 2004 is presently without regulations; therefore, the Water Act No 54 of 1956 is still in force: A permit application in terms of Sections 21(1) and 21(2) of the Water Act is required for the disposal of industrial or domestic wastewater and effluent. Prohibits the pollution of underground and surface water bodies (\$23(1). Liability of clean-up costs after closure/ abandonment of an activity (\$23(2)). Protection from surface and underground water pollution 	The protection of ground and surface water resources should guide development's layout plans.
Health and Safety	Labour Act (No 11 of 2007) in conjunction with Regulation 156, 'Regulations Relating to the Health and Safety of Employees at work'.	 135 (f): "the steps to be taken by the owners of premises used or intended for use as factories or places where machinery is used, or by occupiers of such premises or by users of machinery about the structure of such buildings of otherwise to prevent or extinguish fires, and to ensure the safety in the event of fire, of persons in such building;" (Ministry of Labour and Social Welfare). This act emphasizes and regulates basic terms and conditions of employment, it guarantees prospective health, safety and welfare of employees and protects employees from unfair labour practices. 	The proponent will employ several people from the local and shall ensure securing a safe environment and preserving the health and welfare of employees at work. This will include applying appropriate hazard management plans and enforcing Occupational Health and Safety (OHS) enforcement by contractors.

	Public Health and Environmental Act, 2015	 Under this act, in section 119: "No person shall cause a nuisance or shall suffer to exist on any land or premises owned or occupied by him or of which he is in charge any nuisance or other condition liable to be injurious or dangerous to health." 	_	The service station and mini market operations will ensure compliance to the terms of the Act.
Services and Infrastructure	Road Ordinance 1972 (Ordinance 17 Of 1972)	 Width of proclaimed roads and road reserve boundaries (S3.1) Control of traffic during construction activities on trunk and main roads (S27.1) Infringements and obstructions on and interference with proclaimed roads. (S37.1) Distance from proclaimed roads at which fences are erected (S38) 	_	Although the project is a major boost for the suburb and the commodities market, the proponent needs to ensure that the development do not affect the major roads within their vicinity during construction and operation phases.
	Townships and Division of Land Amendment Act, 1992 (Act 28 of 1992)	 "(I) Whenever any area of land constitutes, by reason of its situation, a portion of an approved township, or adjoins an approved township, the Executive Committee may, by proclamation notice in the Gazette and after consultation with the Board, extend the boundaries of that township to include such area". (Minister of Regional and Local Government) A new township needs to be created for approval by the Namibian Planning Advisory Board and the Township Board. 	-	Through conducting this EIA and preparation of The townships board already approved this project, however the construction and operation will need to be regulated accordingly.

3 CHAPTER THREE: ENVIRONMENTAL MANAGEMENT PLAN (EMP)

3.1 INTRODUCTION

In line with the Namibian Environmental Management legislation and International best practices the proponent will implement an Environmental Management Plan (EMP) to prevent, minimize and mitigate negative impacts. The EMP is developed by Plan Africa Consulting cc to address all the identified expected impacts. The EMP will be monitored and updated on a continuous basis with the aim for continuous improvement to addressing impacts.

The EMP stipulates the management of environmental programs in a systematic, planned and documented manner. This EMP includes the organizational structure, planning and monitoring for environmental protection at the proposed development site and other areas of its influence. The aim is to ensure that the facility maintains adequately controlled environmental management over the project operations to:

- To prevent negative impacts where possible;
- Reduce or minimize the extent of impact during project life cycle;
- Prevent long term environmental degradation.

3.2 EMP ADMINISTRATION

There is a strong need to clearly outline the roles and responsibilities of all stakeholders to ensure that the EMP is fully implemented. There is also a need for the proponent to appoint an overall responsible person (project manager) to ensure the successful implementation of the EMP as highlighted in Table 2.

Table 2: Roles and Responsibilities in EMP Implementation

ROLE	RESPONSIBILITIES				
Omamanya Safaris (Pty) Ltd	Responsible to enforce EMP implementation to employees an contractors				
Environmental Control	Implement, review and update the EMP.				
Officer	Ensure all reporting and monitoring required under EMP				
	is undertaken, documented and distributed as needed				

	 Conduct environmental site training (toolbox talks) and inductions with the support of an environmental consultant. Conducts environmental audit at work site with the support of environmental consultant. Close out all non-conformances. Ensure materials being used on site are environmentally
	friendly and safe.
The Department of	Review the EMP and any amendments to the EMP.
Environmental Affairs	 Review reports of environmental issues and non-
	conformances as issued.
	 Review and approve environmental reports submitted as part of EMP implementation
Site Engineers	 Control and monitor actions required by the EMP.
	 Report all environmental issues to HSE Manager.
	Ensure documented procedures are followed and
	records kept on site.
	 Ensure any complaints are passed onto the management within 24 hours of receiving the complaint.
Employees	 Follow requirements as directed by site engineers.
	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

3.3 EMP MANAGEMENT ACTIONS

The management actions aim to avoid potential impacts where possible. Where impacts cannot be avoided, management actions are outlined in order to minimize the significant impacts.

The tables below outline the specific management actions which need to be undertaken during the construction and operational phase of the development to ensure that the site activities are compliant to environmental regulations.

Table 3: Construction Phase Management Actions

Impact	Description	Effects	Class	Time frame	Responsibility	Action		
Construction Phase-Negative Impacts								
Noise pollution	Noise may be generated through: -Access roads upgrading -Construction of Streets -Construction of drainage services and water reticulation systemsConstruction of buildings -Moving vehicles.	- The health of working personnel could be affected - Passers-by could be disturbed by the noise General annoyance -migration of local animals species near the project site -Residents nearby will be affected	Environmental	6-8 months	-Environmental Control Officer -Site Manger	 A construction interval will be established, used and adhered to. Workers will be issued ear plugs to protect them from excessive noise. Public will be notified through printed timetable stating planned operational activities. Construction activities will be conducted during daytime. 		
Dust Generation	Dust may accumulate because of the land preparation, onsite movements of vehicles and machines, wind blowing on loose material during construction and	- Can lead to respiratory illnesses especially to those working in the area.	Environmental	6-8 months	-Environmental Control Officer -Project Manger	 -Site notices will be erected on and around the site notifying visitors and nearby residents of different hazards on site. - Dust suppression will be done through watering of dust sources surfaces. -Watering down dusty surfaces, 		
	tipping.	- General air pollutionNuisance to nearby residents				-Ensure that protective equipment such as respirators are distributed to employees, and ensure their use as necessary -Site notices to be erected on and around the site to inform visitors and surrounding residents.		

Loss of	-Vegetation on site will be removed	- The clearing of vegetation	Environmental	Construction	-Environmental	- The proposed project area had
Biodiversity	-vegetation on site will be removed	will result in the	Liivii Oliillelitai	phase		development before the area was
Diodiversity		disturbance of		рпазс		proclaimed and there is massive
		ecosystem			-Site Manager	urban area disturbances
		ecosystem				already,
<u></u>	-Habitat destruction for both ground	-Loss of aesthetic value of		1	<u> </u>	hence there is little vegetation to be
	dwelling species and tree dwelling	the proposed project area.				affected by the development.
	species.	-The few small animals still				- All the major trees will be preserved
	-Soil disturbance on and around the site.					-
	soil disturbance on and around the site.	occupying the site such as small rodents and birds will				and the layout plan will fit into the environment without affecting the
						_
		be forced away.				trees.
		-The ecosystem food chain				- Ground disturbance will only be
		on and around the area will				limited to boundary area to avoid
		be broken.				affecting a large area.
						-Upon completion of construction
						activities more trees and lawn will be
						planted on and around the site to
						restore the site into a status that is
						environmentally friendly.
						-When necessary a permit must be
						obtained from the Directorate of
						Forestry before removing a protected
						plant species.
Greenhouse gas	Green House Gases (GHGs) may be	-Global climate change	Environmental	Construction	-Environmental	-Adopt the use of ethanol blended
emissions	produced from the following activities:	- Air pollution		phase	Control Officer	fuels wherever necessary.
	• Fuels combustion for				-Project Manager	-Design an operation system that cuts
	transport (construction				•	on fuel consumption.
	vehicles and equipment)				Environmental	- Use of solar energy system during
	Ground excavation releases				Affairs.	construction for lighting and other
	phosphorus found					minor energy needs.
	underground and releases					
	particulate matter into the					
	atmosphere.					

Pollution from	Construction is associated with a lot of	-Chemical pollution from oil	Environmental	Construction	-Environmental	- Ensure that all waste from
construction	raw material and activities that results	spills resulting from the	Environmental	phase	Control Officer	construction activities is stored and
activities	in pollution	handling of various		priase	-Project Manger	contained in designated containers
uctivities	in pondion	machineries used during			1 Tojece Wanger	and transported to the Outjo waste
		the construction phase				disposal site.
		-Construction rubble,				-Bulky waste such as building rubbles
		empty packaging				must be collected and disposed of at
		containers/bags and				any of the various municipal satellite
		materials remnants.				sites or for landfilling.
		-Construction workers can				-Adequate mobile toilets must be
		also pollute the				provided at the construction camps for
		surrounding environs if				the use of the workers.
		they are not provided with				-A skip container will be put on site and
		adequate toilet facilities				regularly emptied to handle domestic
		and a waste management				waste.
		system for domestic waste.				waste.
Hydrocarbons	There will be no storage of oils and fuel	-Washing away of	Environmental	Construction	-Environmental	-Implement a maintenance
release into the	on site, however there is risk of spillage	contaminated soils by rains	Ziiviioiiiieiidi	Phase	Control Officer	programme to ensure all vehicles,
environment	of hydrocarbons from vehicles and	into nearby rivers		111050	-Project Manager	machinery and equipment are and
	machinery operations, maintenance	-Pollution of soil and			-Department of	remain in proper working order
	through leakages and spillages which	affecting small living			Environmental	-Vehicle maintenance should be
	may result in environmental	organisms habituating the			Affairs.	Conducted in designated areas only,
	contamination	soil				preferably off-site.
		-Result in possible				- Spillages are to be removed from site
		groundwater pollution.				by a specialist waste removal
		-Possible fire risk on and				contractor
		around the site				-Waste oil, fuels and other chemicals
						from drip trays on stationery vehicles
						and machinery will be disposed of as
						hazardous waste at a licensed facility
						by a specialist hazardous waste
						handler.

						-Oil residue will be treated with oil absorbent material such as Drizit or bio-remediation and removed to an approved waste disposal site -Spill kits will be easily accessible and workers will be trained in the use thereofStaff and contractors will be trained in the handling and storage of oils, fuels, chemicals and other hazardous substances -No bins containing organic solvents such as paint and thinners shall be cleaned on site, unless containers for liquid waste disposal are provided on site.
Safety and Health	Construction related Safety and Health	-Injuries to workers such as	Health and safety	Construction	Project manager	- Equip workers with Personal
risks	hazards	Occupational dermatitis,		phase		Protective Equipment (PPE), provide
		slips and fall of humans and objects,				trainings on how to effectively use the PPE.
		musculoskeletal disorders,				-Provide platforms for briefings and
		etc.				meetings about possible safety and
						health hazards in the work place
						-Provide site signs warning and
						informing about different hazards on
						site.
Population Influx	The project will bring in skilled and	-There is potential for	Socio-economic	Construction	-Environmental	-Train and brief employees to respect
	unskilled workforce into Outjo area	cultural systems conflict		phase	Control Officer	local cultures and leaders,
	from other places increasing population	between locals and new			-Project Manger	-Engage on massive public
	density in the area.	people in the area				a n d sexual health training and awareness and providing
						training and awareness and providing

			information of local healthcare facility locations.

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Land use change	-The existing environment will	-The area will no longer be	-Social	Permanent	-Environmental	-The development should blend into
	drastically change from a dormant piece	suitable for agriculture.	-Terrestrial		Control Officer	the existing area through designing
	of land to a modernized urban	-Sudden change in	environment		-Project Manger	and colour coding.
	development.	landscape appearances				-Green designing will bring life to the
		may be unfavorable to				site and blend with surrounding
		the conservatives.				areas.
Extraction of	-Construction raw materials such as	-Sand abstractors may	-Ecological	Construction	-Environmental	-The project manager will only make
consumption	sand and aggregate come from the	result in degradation from	-Social	phase	Control Officer	sure that suppliers of raw materials
resources	extractive industry and it might have	the source areas.			-Site Engineer	from the extractive industry have an
	detrimental impacts on the	-Unsustainable				Environmental Clearance Certificate
	environment.	construction practices can				for their activities.
		cause damage to the				
		ecological and social				
		environment through				
		noise, driving away				
		animals and destruction of				
		forest resources.				
Resources	The construction industry can be	-The project can result in a	-Socio-economic	Construction	-Environmental	-Water saving should be ensured by
consumption	resource intensive, i.e. electrical and	strain on available water		phase.	Control Officer	the site manager i.e. repairing
	water resources.	resources and electricity.			-Project Manger	leakages, opening taps only when
						water is required and recycling of
						water on site.
						-Electricity supply can be augmented

			by sustainable energy such as solar to
			power things such as boreholes and
			smaller appliances on site.

		Construction I	Phase-Positive Impacts	S		
Employment	The construction exercise provides an	- Improves disposable	Socio-economic	Project life	-Project Manger	- Work with local leadership
creation	opportunity of outsourcing work	income to those employed		time		(councillor) on acquiring non-skilled
		and their immediate				labour from the residents.
		families.				
Business linkages	-Raw materials acquiring and	-Local suppliers will be	-Socio-economic	Construction	-Project Manger	-The proponent will outsource most of
	contracting companies provide an	presented with an		phase		its materials and services from Outjo.
	opportunity for businesses.	opportunity to empower				
		their businesses.				
		-Construction workers can				
		be provided with				
		accommodation, food and				
		services from the local				
		community increasing				
		business activities.				

Infrastructure	The development presents a unique	-Existing roads will be	-Socio-economic	Construction	-Project manager	-Development such as road upgrading
development	opportunity for infrastructure	upgraded which will benefit		phase		will not only be limited up until the
	development in Outjo Town.	the local				project site, but it will be extended to
		community.				service other residents as well.
		-Development of the				- Electricity supply can be augmented
		facilities will also pave way				by sustainable energy such as solar to
		for future developers to				power things such as boreholes and
		grow interests in the area				smaller appliances on site.
		and result in ripple effects				
		and quick growing of the				
		area.				

3.4 OPERATIONAL PHASE

The operational phase is the most critical component of project implementation since it is long term, and it is normally associated with less impacts as compared to construction phase. This phase will comprise of the actual day to day running of the facilities. This phase is expected to last permanently, but with upgrading activities occasionally. There will be several impacts that will occur on a daily basis or other sequential routine. The phase forms the basis of an Environmental Management Plan and will be followed by the decommissioning phase. The major impacts identified by this study for the operational phase are as detailed in the previous chapter.

Table 4 Impacts associated with the Operation Phase

Aspect	Description	Effects	Class	Time Frame	Responsibility	Action
		Operation	Phase-Positive Impac	ts		
Water usage	-Water is an important resource that will be used by the residents		Environmental	Permanent	Building/Site manager	- Apply a supply and demand model that will be determined
	for domestic purposes, the proposed project will be serviced with water by Outjo Municipality's water reticulation system.	,				by seasonal variations in water availabilityWater saving connections to be put in placeRegular maintenance of water pipes to avoid leakages and wasteful use of water
Energy usage	-Human settlements consume a lot of electrical energy daily, such that energy requirements will need checking.	-Energy supply through the main grid will be strained	-Socio-economic	Permanent	-Building/Site manager	resources. -The proponent has a plan of using solar energy to power the area, but initially electrical energy will be supplied by Outjo Municipality.
Solid Waste	- Domestic and industrial solid waste will be generated by the residents who will settle in this area. It is therefore very important to construct appropriate infrastructure to management thus waste types, etc.	-Unwanted nutrient disposal into the soils, - Detrimental to livestock health	Environmental Socio-economic	Permanent	-Site manager	-Visual inspections monitoring -All waste will be managed by Outjo Municipality, the developer will ensure that domestic waste handling facilities such as dust bins and skip containers are available for all ervenWaste separation will be provided for to allow for
						recycling of recyclable materials.

Sewerage and effluent waste	Domestic activities will result in ablution sewer water	-Health hazard	-Environmental -Health	Permanent	Site Manager	-All sewerage waste will be channeled into the Municipal
						sewer reticulation system.
Population	Influx of population into the area.	-Population increase may	-Socio-economic	Permanent	-Project proponent	- public and personal health
increase		result in social evils such as			-Police	awareness to prevent
		prostitution and high crime			-Health services	transmission of diseases and
		rate.				maintain good public and
		-Pressure on available social				environmental health.
		services.				
		-Cultural integration may				
		result in dilution of the local				
		values and cultures.				
		-Possibility for conflicts				
		between new residents,				
		visitors and the residents.				
Increased storm	-The area is undeveloped hence	-Enhances the chances of flood	Environmental	Permanent	-Site Engineer	-Standard storm water
water flow	most water quickly infiltrates as it	occurrences			-Environmental	drainage will be part of the
	reaches the ground, but due to the	-Chances of soil erosion and			Control Officer	water reticulation designs
	paving and hard surfaces	gully formation will be				indicating the storm water
	storm water will increase	increased				deposit areas.
Infrastructure	-Infrastructure hazards: potential	-There is potential for building	-Socio-economic	Permanent	-Site Engineer	-Sewerage infrastructure will
hazards	risks that building pose to its	collapse.	-Environmental		-Contractor	be regularly monitored and
	inhabitants, local environment or	-Fire risks and hazards			-Project proponent	inspected over time.
	surrounding residents.				-Buildings	-Standard buildings will be
					inspectorate	constructed and building
					-Ministry of Health	inspection will be done by
					and Social Services.	Regional Council officers.
					-Ministry of Safety	-Fire emergency evacuation
					and security	plan will be put in place to
						avoid fatalities and injuries in
						case of an emergency.

Pressure on social	The incoming population to the	-There will be increased	-Social	Permanent	-Project proponent	-The project proponent has left
amenities	area will result in pressure on	demand for education and				space for possible institutional
	available social amenities.	health facilities.				facilities for education or
						health, which will also serve
						the surround communities and
						further.
		Operational	Phase-Positive Impa	cts		
Development of	-The project will further develop	-Ripple effects will result in	-Economic	Permanent	-Regional council	-The Development Should Be
the area	Outjo as a growing city.	construction of supporting				Regulated In Such a way that
		infrastructure such as schools,				the local people are
		hospitals, car services and				empowered and benefit from
		supermarkets.				the development activities.
Revenue	The development is bound by to	-The regional council, village	National	Permanent	-Project proponent	-The project will benefit the
generation	pay tax and rates to Outjo	council and other service			-Inland Revenue	locals, authorities and the
	Municipality and the government	providers will benefit from			department	government if all dues, rates
		revenue generation from the				and taxes are adhered to.
		development				
		-Business facilities will be				
		paying tax to the government;				
		benefiting the country's				
		economy at large.				
Rehabilitation	Currently the project	-After construction, trees will	Environmental	Permanent	-Building/site	- During operation phase tree
maintenance of	environment is already degraded	be planted and a green zone			manager	planting will continue and
the environment.		created improving the				maintenance of the green zone.
		aesthetic value of the				-Regular watering of the lawns
		environment to a better				that will be panted.
		position than it was before.				

3.5 ENVIRONMENTAL MONITORING PLAN

Monitoring is important for identifying the success of mitigation measures formulated for the significant impacts identified. Monitoring of activities will identify impacts that have not been foreseen and give enough time to analyse the situation and formulate measures to minimise impacts. Survey records and results must be maintained for these monitoring and inspections, highlighting any problems and the measures taken to address it.

- Prior to site preparation and construction activities, the main contractor should present an environmental monitoring plan (including, inter alia, location of construction camp and toilet facilities, location of material storage areas, solid waste management plan, dust control measures, activity schedule, etc.) for review and approval by the Environmental Consultant.
- The developer should present a landscape plan and the trees/vegetation earmarked for protection should be flagged and hoarded by the contractor.

The entity selected to carry out environmental monitoring of the construction works should then prepare an environmental monitoring program based on the above, the requirements of the EIA, and conditions of the development permit. The major elements of the environmental impact monitoring program to be implemented during the construction phase of the project are as follows:

- i. Site clearance to ensure that trees marked for protection are left untouched and that large areas of soil are not left exposed and uncovered for extended periods of time.
- ii. Site drainage and surface runoff, especially during and shortly after major rainfall events, to ensure there is no flooding, ponding and runoff of surface water Compliance of construction works with site management and landscape plans.
- iii. Ensure transportation of earth materials is done by covered trucks and from approved sites.
- iv. The contractor must immediately and completely clean up spills of materials in public areas.
- v. Solid waste disposal practices to ensure appropriate on-site management and final disposal at approved dumpsite.

4 CHAPTER FOUR: CONCLUSION AND RECOMMENDATIONS

The environmental impact assessment process for the proposed township establishment was conducted in accordance to the Environmental Management Act 2007 and EMA Regulation 2012. Further consideration was given to relevant legislation throughout the entire process to ensure a successful assessment process.

Impacts likely to occur during project phases (construction and operation) were assessed depicting a positive outlook despite limited details of the magnitude of the proposed development. Based on the assessment, the overall project is less damaging to the environment demonstrating high job creation opportunities and community development. Impacts with negative effects were also identified and summarized in a form of environmental management plan to ensure sustainable implementation.

The site has access to services such as electricity and roads for accessibility. Additionally, the site has minimal vegetation such that no trees will be removed during the construction phase. It is important that the proponent observes and maintain accountability to both socio-economic and environmental sensitive activities from the project, such that the project is harmonized with policy, regulations, administrative frameworks and social interface with the public as proposed in the environmental management plan. Failure to observe these measures will significantly affect the local environment and lead to non-compliance. Therefore, implementation environmental protection measures should be executed in consultation with the key stakeholders.

Plan Africa Consulting cc hereby recommends that MEFT: DEAF grant the environmental clearance certificate for the following:

REZONING OF PORTION A (A PORTION OF ERF 426) OUTJO PROPER FROM 'INSTITUIONAL' TO 'GENERAL BUSINESS' WITH A BULK OF 2.0 KUNENE REGION— NAMIBIA

In the case of ECC issuance the project would need to be approved, under the condition of full implementation of this EMP.

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