

ENVIRONMENTAL IMPACT ASSESSMENT TO OBTAIN AN ENVIRONMENTAL CLEARANCE FOR THE COMPLETION OF THE TOWN PLANNING PROCEDURES TO REZONE ERF 732, LUDERITZ (//KHARAS REGION) FROM 'RESIDENTIAL 1' TO 'GENERAL BUSINESS'

2023

App - 230515001478

Project Name:	ENVIRONMENTAL IMPACT ASSESSMENT TO OBTAIN AN ENVIRONMENTAL CLEARANCE FOR THE COMPLETION OF THE TOWN PLANNING PROCEDURES TO REZONE ERF 732, LÜDERITZ (//KHARAS REGION) FROM 'RESIDENTIAL 1' TO 'GENERAL BUSINESS'
The Proponent:	Narindonde Construction (Namibia) (Pty) Ltd PO Box 1571 WINDHOEK
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Release Date:	May 2023
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EXECUTIVE SUMMARY

Green Earth Environmental Consultants were appointed by the Proponent, Narindonde Construction (Namibia) (Pty) Ltd, to conduct an Environmental Impact Assessment to obtain an Environmental Clearance for the completion of the town planning procedures to rezone Erf 732, Lüderitz from 'Residential 1' to 'General business'. The land within the immediate vicinity of the project site is predominately characterized by institutional, business and residential uses. In terms of the Regulations of the Environmental Management Act (No 7 of 2007) an Environmental Impact Assessment must be done to address the following 'Listed Activities':

LAND USE AND DEVELOPMENT ACTIVITIES

5.1 The rezoning of land from -

(a) residential use to business (commercial) use.

The key characteristics/environmental impacts of the proposed project are as follows:

Impact on environment	Nature of impact
More efficient and intensive use of land.	Positive for Lüderitz and Namibia in general.
Creation of employment and transfer of skills.	Positive as employment will be created during operation.
Impact on utilization of municipal and other	Positive due to the better utilization of
infrastructure and facilities.	existing infrastructure.
There will be an impact on traffic.	Negative during operational as it will result in the increase in traffic and on the main roads in the area.
The creation of noise.	On par with the noise levels associated with the neighbouring uses.
Possible impact on cultural/heritage aspects.	No items of archeologic value or graves were observed during the site visit which means the impact will be low. If any items or graves are found, the impact will be high and irreversible.
Impact on fauna and flora.	All vegetation and plants were already removed when the facility was constructed therefore no additional vegetation, trees, plants or bushes will be removed.
There might be a possible visual impact.	Limited new infrastructure will be constructed on the site, the buildings will mostly remain as it is.
Impact on groundwater, surface water and soil.	The impact will be negative in case of spilling of hazardous materials during operation. The facility is linked with the town's sewer system.
Impact on health and safety.	Low if mitigated during operations.

Erf 732, Lüderitz is used for residential purposes. Several residential units (12 X flats) have been constructed on the erf and are used for residential purposes. This number of dwelling units is not allowed under the zoning 'Residential 1' which means that the use is in contravention of the stipulations of the Lüderitz Town Planning Scheme. To rectify the situation and to align the use of the Erf with the stipulations of the Scheme, Erf 732 must be rezoned to 'General business' with a bulk of 1.2. Under this zoning, a residential building, as primary use, is allowed under which the existing residential units (flats) can be accommodated. Therefore, the purpose of the application is to obtain an ECC to allow the formalisation of the rezoning of the Erf.

No further negative impacts on the vegetation and the natural drainage systems are expected. The noise and dust during operation are in line with the activities from the neighbouring erven. However, mitigation measures will be provided that can control the extent, intensity, and frequency of these named impacts in order not to have substantial negative effects or results.

The type of activities that will be carried out on the site will not negatively affect the amenity of the locality and the activities do not adversely affect the environmental quality of the neighbouring erven or areas. None of the potential impacts identified are regarded as having a significant impact to the extent that the proposed project should not be allowed. However, the operational activities further on need to be controlled and monitored by the assigned subcontractors and the proponent.

The Environmental Impact Assessment which follows upon this paragraph was conducted in accordance with the guidelines and stipulations of the Environmental Management Act (No 7 of 2007) meaning that all possible impacts have been considered and the details are presented in the report. Based upon the conclusions and recommendations of the Environmental Impact Assessment Report and Environmental Management Plan following this paragraph, the Environmental Commissioner of the Ministry of Environment, Forestry and Tourism is herewith requested to:

- 1. Accept the Environmental Impact Assessment;
- 2. Approve the Environmental Management Plan;
- 3. Issue an Environmental Clearance for the completion of the town planning procedures to rezone Erf 732, Lüderitz from 'Residential 1' to 'General business' and for the following "listed activities":

LAND USE AND DEVELOPMENT ACTIVITIES

5.1 The rezoning of land from -

(a) residential use to business (commercial) use.

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LIST OF ABBREVIATIONS

CAN	Central Area of Namibia
EC	Environmental Clearance
ECO	Environment Control Officer
EIA	Environmental Impact Assessment
EMP	Environmental Management Plan
I&APs	Interested and Affected Parties
MEFT	Ministry of Environment, Forestry and Tourism
SQM	Square Meters

1. INTRODUCTION

The Proponent, Narindonde Construction (Namibia) (Pty) Ltd, appointed Green Earth Environmental Consultants to conduct an Environmental Impact Assessment and develop an Environmental Management Plan to obtain an Environmental Clearance for the completion of the town planning procedures to rezone Erf 732, Lüderitz from 'Residential 1' to 'General business'.

The Environmental Management Act (No. 7 of 2007) and the Environmental Impact Assessment Regulations (GN 30 in GG 4878 of 6 February 2012) stipulates that an Environmental Impact Assessment (EIA) report and management plan is required as the following 'Listed Activities' are involved:

LAND USE AND DEVELOPMENT ACTIVITIES

5.1 The rezoning of land from -(a) residential use to business (commercial) use.

The Environmental Impact Assessment below contains information on the proposed project and the surrounding areas, the proposed activities, the applicable legislation to the study conducted, the methodology that was followed, the public consultation that was conducted, and the receiving environment's sensitivity and any potential ecological, environmental, and social impacts.

2. TERMS OF REFERENCE

To be able to implement the proposed project, an Environmental Impact Assessment and Environmental Clearance is required. For this environmental impact exercise, Green Earth Environmental Consultants followed the terms of reference as stipulated under the Environmental Management Act.

The aim of the environmental impact assessment was:

- To ascertain existing environmental conditions on the site to determine its environmental sensitivity.
- To inform I&APs and relevant authorities of the details of the proposed development and to provide them with an opportunity to raise issues and concerns.
- To assess the significance of issues and concerns raised.
- To compile a report detailing all identified issues and possible impacts, stipulating the way forward and identify specialist investigations required.
- To outline management guidelines in an Environmental Management Plan (EMP) to minimize and/or mitigate potentially negative impacts.
- To comply with Namibia's Environmental Management Act (2007) and its regulations (2012).

The tasks that were undertaken for the Environmental Impact Assessment included the evaluation of the following: climate, water (hydrology), vegetation, geology, soils, socio economic impact, cultural heritage, groundwater, sedimentation, erosion, biodiversity, sense of place, socio-economic environment, health, safety and traffic. The EIA and EMP from the assessment will be submitted to the Environmental Commissioner for consideration. The Environmental Clearance will only be obtained (from the DEA) once the EIA and EMP has been examined and approved for the listed activity.

The public consultation process as per the guidelines of the Act has been followed. The methods that were used to assess the environmental issues and alternatives included the collection of data on the project site and surrounding area, info obtained from the proponent and the Ministry of Environment, Forestry and Tourism and identified and affected stakeholders. Consequences of impacts were determined in five categories: nature of impact, expected duration of impact, geographical extent of the event, probability of occurring and the expected intensity.

All other permits, licenses or certificates that are further on required for the operation of the proposed project still needs to be applied for by the proponent.

3. NEED, DESIRABILITY AND MOTIVATION

Erf 732, Lüderitz is already fully developed. It is used for residential purposes and will remain to be used for these purposes. There is currently a lot of focus on Lüderitz due to the finding of economically viable oil and gas resources as well as increasing export volumes from neighbouring countries via Lüderitz Harbour. Because of this, the Town is experiencing an influx of people that requires accommodation. Therefore, there is a serious need for housing in the Town.

The Erf has already been developed. 12 x Residential Units (flats) were constructed on the Erf and are used for residential purposes. The site and surroundings are desirable for the development as well as in line with the surrounding uses. The only issue is that the current number of units exceeds the number that is allowed under the zoning 'residential' and / or 'general residential' which means that the owner cannot get Municipal Compliance.

Determining what the impact of the operations would be are broken down into different categories and environmental aspects and dealt with in the Environmental Management Plan (EMP). As per the ISO 14001 definition: an environmental aspect is an element of an organization's activities, products and/or services that can interact with the environment to cause an environmental impact e.g., land degradation or land deterioration among others, that will cause harm to the environment.

All concerns and potential impacts raised during the public participation process and consultative meetings were evaluated. Predictions were made with respect to their magnitude and an assessment of their significance was made according to the following criteria:

The Nature of the activity: The possible impacts that may occur are that water will be used in the operational phase, wastewater will be produced that will be handled either by the Town Council or by the proponent, land will be used for the proposed activities, a sewage system will be used, and general construction activities will take place, namely the building of infrastructure. The Probability of the impacts to occur: The probability of the above-named impacts to occur and have a negative or harmful impact on the environment and the community is small since the Environmental Management Plan will also guide these activities. Water will still be used, and wastewater produced, however guidelines will be set that will ensure the impact is minimum.

The Extent of area that the project will affect: The specific project will most likely only have a small impact on the proposed project site itself and not on the surrounding or neighbouring land except for noise, traffic, roads, electricity and dust and there may be a visual impact because of the size of the proposed development. Therefore, the extent that the project will have a negative impact on is not extensive.

The Duration of the project: The duration of the project is uncertain. Water will still be used, and waste produced on a continuous basis and the structures that were constructed will remain and may be visually unpleasing to surroundings.

The Intensity of the project: The intensity of the project is mostly limited to the site however for the above-named items/processes where the intensity of the project will be felt outside the borders of the project site.

According to the information that was present while conducting the Environmental Impact Assessment for the construction and operation of the project, no high-risk impacts were identified and therefore it is believed that the operations will be feasible in the short and long run. Most of the impacts identified were characterized as being of a low impact on the receiving and surrounding environment and with mitigation measures followed, the impacts will be of minimum significance or avoided.

4. BACKGROUND INFORMATION ON PROJECT

4.1.PROPOSED PROJECT

Erf 732, Burenkamp, Lüderitz is 799m² in extent and zoned 'Residential 1'. Several residential units (12 X flats) have been constructed on the erf and are used for residential purposes. This number of dwelling units is not allowed under the zoning 'Residential 1' which means that the use is in contravention of the stipulations of the Lüderitz Town Planning Scheme. To rectify the situation and to align the use of the Erf with the stipulations of the Scheme, Erf 732 must be rezoned to 'General business' with a bulk of 1.2. Under this zoning, a residential building, as primary use, is allowed under which the existing residential units (flats) can be accommodated. It is not intended to change the existing use or add any buildings to the erf. The use will remain 'residential' as is. See map and photo showing the locality of Erf 732, Burenkamp, Lüderitz below:



Figure 1: Locality Plan of Erf 732, Lüderitz



Figure 2: Map of Erf 732, Lüderitz with contours



Figure 3: Locality Map of Erf 732, Lüderitz with Photo

5. BULK SERVICES AND INFRASTRUCTURE

The following bulk services are already present on the site:

5.1.ACCESS REQUIREMENTS

Erf 732, Lüderitz obtains access from the southern side of the Erf from Buren Street.

5.2.WATER SUPPLY

Water to the Erf is obtained from the Lüderitz water reticulation network.

5.3. ELECTRICITY

Electricity is obtained from the Lüderitz electrical supply grid.

5.4. SEWAGE DISPOSAL

Only household sewer is generated on site from the toilet and the kitchen facilities of residents and visitors. This sewer is connected to the sewer system of Lüderitz.

5.5.SOLID WASTE

The solid waste generated on the site is collected by the Lüderitz Town Council through their weekly waste collection and management system and disposed of at their approved landfill site.

5.6.FIRE PROTECTION

The Proponent installed the necessary fire protection infrastructure / extinguishers as per the requirements of Lüderitz Town Council.

5.7.STORMWATER

The natural flow of storm water and drainage have been accommodated in the planning and construction of the building and was approved under the building plans approved by Council.

6. APPROACH TO THE STUDY

The assessment included the following activities:

a) Desktop sensitivity assessment

Literature, legislation and guidance documents related to the natural environment and land use activities available on the site and area in general were reviewed to determine potential environmental issues and concerns. b) Site assessment (site visit)

The proposed project site and the immediate neighbourhood and surrounding area were assessed through several site visits to investigate the environmental parameters on site to enable further understanding of the potential impacts on site.

c) Public participation

The public was invited to give input, comments and opinions regarding the proposed project. Notices were placed in the Namibian and New Era (see Appendix) on two consecutive weeks (25 April and 2 May 2023) inviting public participation and comments on the proposed project. A notice was also placed on the site and on the Notice Board of the Town Council of Lüderitz. The closing date for any questions, comments, inputs or information was 17 May 2023.

d) Scoping

Based on the desk top study, site visit and public participation, the environmental impacts were determined in five categories: nature of project, expected duration of impact, geographical extent of the event, probability of occurring and the expected intensity. The findings of the scoping have been incorporated in the environmental impact assessment report below.

e) Environmental Management Plan (EMP)

To minimize the impact on the environment, mitigation measures have been identified to be implemented during planning, construction, and implementation. These measures have been included in the Environmental Management Plan to guide the planning, construction and operation of the development which can also be used by the relevant authorities to ensure that the project is planned, developed, and operated with the minimum impact on the environment.

7. ASSUMPTIONS AND LIMITATIONS

It is assumed that the information provided by the proponent (Narindonde Construction (Namibia) (Pty) Ltd) and Lüderitz Town Council is accurate. No alternative erven for the proposed project were examined. The site was visited several times and any happenings after this are not mentioned in this report. (The assessment was based on the prevailing environmental conditions and not on future happenings on the site.) However, it is assumed that there will be no significant changes to the proposed project, and the environment will not adversely be affected between the compilation of the assessment and the implementation of the proposed activities.

8. ADMINISTRATIVE, LEGAL AND POLICY REQUIREMENTS

To protect the environment and achieve sustainable development, all projects, plans, programs and policies deemed to have adverse impacts on the environment require an EIA according to Namibian legislation. The administrative, legal and policy

requirements to be considered during the Environmental Assessment are the following:

- The Namibian Constitution
- The Environmental Management Act (No. 7 of 2007)
- The Lüderitz Town Planning Amendment Scheme No. 5 (May 2003)
- Other Laws, Acts, Regulations and Policies

THE NAMIBIAN CONSTITUTION

Article 95 of Namibia's constitution provides that:

"The State shall actively promote and maintain the welfare of the people by adopting, inter alia, policies aimed at the following:

Management of ecosystems, essential ecological processes and biological diversity of Namibia and utilization of living natural resources on a sustainable basis for the benefit of all Namibians, both present and future; in particular, the Government shall provide measures against the dumping or recycling of foreign nuclear and toxic waste on Namibian territory." This article recommends that a relatively high level of environmental protection is called for in respect of pollution control and waste management.

Article 144 of the Namibian Constitution deals with environmental law and it states:

"Unless otherwise provided by this Constitution or Act of Parliament, the general rules of public international agreements binding upon Namibia under this Constitution shall form part of the law of Namibia". This article incorporates international law, if it conforms to the Constitution, automatically as "law of the land". These include international agreements, conventions, protocols, covenants, charters, statutes, acts, declarations, concords, exchanges of notes, agreed minutes, memoranda of understanding, and agreements (Ruppel & Ruppel-Schlichting, 2013). It is therefore important that the international agreements and conventions are considered (see section 4.9).

In considering these environmental rights, Narindonde Construction (Namibia) (Pty) Ltd (the Proponent) should consider the following in devising an action plan in response to these articles:

- Implement a "zero-harm" policy at that would guide decisions.
- Ensure that no management practice or decision result in the degradation of future natural resources.
- Take a decision on how this part of the Constitution will be implemented as part of the Proponent's Environmental Control System (ECS).

ENVIRONMENTAL MANAGEMENT ACT (NO. 7 OF 2007)

The Environmental Impact Assessment Regulations (GN 30 in GG 4878 of 6 February 2012) of the Environmental Management Act (No. 7 of 2007) that came into effect in 2012 requires/recommends that an Environmental Impact Assessment and an Environmental Management Plan (EMP) be conducted for the following listed activities to obtain an Environmental Clearance Certificate:

LAND USE AND DEVELOPMENT ACTIVITIES

5.1 The rezoning of land from -(a) residential use to business (commercial) use.

Cumulative impacts associated with the development must be included as well as public consultation. The Act further requires all major industries and mines to prepare waste management plans and present these to the local authorities for approval.

The Act, Regulations, Procedures and Guidelines have integrated the following sustainability principles. These need to be given due consideration, particularly to achieve proper waste management and pollution control:

Cradle to Grave Responsibility

This principle provides that those who handle or manufacture potentially harmful products must be liable for their safe production, use and disposal and that those who initiate potentially polluting activities must be liable for their commissioning, operation and decommissioning.

Precautionary Principle

It provides that if there is any doubt about the effects of a potentially polluting activity, a cautious approach must be adopted.

The Polluter Pays Principle

A person who generates waste or causes pollution must, in theory, pay the full costs of its treatment or of the harm, which it causes to the environment.

Public Participation and Access to Information

In the context of environmental management, citizens must have access to information and the right to participate in decisions making.

CONCLUSION AND IMPACT

Some of the surrounding erven have been cleared from vegetation and structures have been constructed on the sites or are in the process of being constructed. The proposed activity will thus fit in with the surrounding activities and not have a negative impact on the prevailing environment. It will be ensured that al protected trees and plant species will be retained where possible.

THE LÜDERITZ TOWN PLANNING AMENDMENT SCHEME NO. 5 (MAY 2003)

The area to which this Scheme applies is the area as indicated on the scheme maps. The general purpose of the Scheme is the co-ordinated and harmonious development of the area of Lüderitz including where necessary the redevelopment of any part thereof which has already been subdivided and build upon, in such a way as will most effectively tend to promote health, safety, order, amenity, convenience and general welfare as well as efficiency and economy and conservation of the existing character of the town, in the process of such development.



Figure 4: Zoning Map showing Current Zoning of Erf 732, Lüderitz



Figure 5: Zoning Map showing Proposed Zoning of Erf 732, Lüderitz

The Proponent appointed Du Toit Town Planning Consultants to attend to the town planning procedures to rezone Erf 732. An application was submitted to Council on 21 April for evaluation and approval. Once Council's approval is obtained, an application will be submitted to the Urban and Reginal Planning Board for the final approval of the rezoning. The final approval of the rezoning is subject to obtaining the environmental clearance.

EXECUTE TOWN COUNCIL P. O. BOX 19 EDERITZ DEDERITZ P. O. BOX 19 DEDERITZ Tet: +284 63 207800 Reference: L732 Tet: +284 63 207800 Reference: L732 Pax: +284 63 202971 Enquiries: Helena Thomas Languities: Helena Thomas	-	
LÜDERITZ TOWN COUNCIL P. O. BOX 19 LÜDERITZ Tet: *284 83 207800 Reference: L732 Tet: *284 83 207800 Reference: L732 Du Tet: *284 83 207800 Reference: L732 Du Toit Town Planning Consultants P. O. Box 6871 Ausspannplatz Windhoek Dear Mr. Du Toit, Dear Mr. Du Toit, Subject: Instruction to Give Notice of Application for the following:	-	
P. O. BOX 19 LÜDERITZ Tel: +264 63 207800 Reference: L/732 Fax: +264 63 202971 Enquiries: Helena Thomas 24 April 2023 Du Toit Town Planning Consultants P. O. Box 6871 Ausspannplatz Windhoek Dear Mr. Du Toit, Subject: Instruction to Give Notice of Application for the following:		
LÜDERITZ Tel: +264 63 207800 Reference: L/732 Fax: +264 63 202971 Enquiries: Helena Thomas 24 April 2023 Du Toit Town Planning Consultants 24 April 2023 Du Toit Town Planning Consultants	-	
Tel: +264 63 207800 Fax: +264 63 202971 Reference: L/732 Enquiries: Helena Thomas 24 April 2023 24 April 2023 Du Toit Town Planning Consultants P. O. Box 6871 Ausspannplatz Windhoek Dear Mr. Du Toit, Subject: Instruction to Give Notice of Application for the following:		
24 April 2023 Du Toit Town Planning Consultants P. O. Box 6871 Ausspannplatz Windhoek Dear Mr. Du Toit, Subject: Instruction to Give Notice of Application for the following:		
Du Toit Town Planning Consultants P. O. Box 6871 Ausspannplatz Windhoek Dear Mr. Du Toit, Subject: Instruction to Give Notice of Application for the following:		
Dear Mr. Du Toit, Subject: Instruction to Give Notice of Application for the following:		
Subject: Instruction to Give Notice of Application for the following:		
Andless mentalities and supervised to the supervised statements	I	
 Rezoning of Erf 732 (a portion of Erf 142), Lüderitz from 'Residential 1' to 'General Business with a bulk of 4.2. 	8	
 Consent to use Erf 732, Lüderitz in accordance with the new zoning while the rezoning is formally being completed. 	3	
Reference is made to your application dated 21 April 2023.	1	
In accordance with Section 107 of the Urban and Regional Planning Act (Act No. 5 of 2018), I Otto Shipanga in my capacity as the Acting Chief Executive Officer of the Lüderitz Town Counci acknowledge receipt of the subject application dated 21 April 2023 and herewith request Du Toit Town Planning Consultants to give notification in terms of Section 10 (1), (2) and (4) of the regulations in the prescribed manner to:	5 1 1	
Prescribed persons General public	3	
Please take note that the prescribed manner in terms of this application notification is as follows:		
 Notify neighboring land owners of the intention to apply for rezoning 		
 Notify the general public of the intention to apply for rezoning. 		
Kindly note that this application notification is to allow the general public and adjacent property owner the opportunity to view the subject application as submitted to Council and to comment or object against the proposed development for a period 14 days from the last date of the newspaper and/o government gazette publication.	s t r	
All official correspondence must be addressed to the Office of the Chief Executive Officer		
Should there be comments and/or objections, Council will use them in considering the application f	or	
recommendation to the Urban and Regional Planning Board.		
I trust that you will find the above in order.		
Yours Sincerely,		
Mr. Otto K Shipanga Luderitz Town Council Luderitz		
Acting Chief Executive Officer Lüderitz Town Council 2023 -04- 2 4		
Tel: 063 207 800 / 063 207 801 Fax: 063 202 971 / 063 202 047 P.O. Box 19. Luderitz		

Figure 6: Written Acknowledgement of submission by Council GREEN EARTH Environmental Consultants

CONCLUSION AND IMPACT

The proposed project has been considered under the stipulations of the Lüderitz Town Planning Scheme and the Local Authorities Act. The project is in line with the Lüderitz Town Planning Scheme and will not have a negative impact on the surrounding environment. Finalising the rezoning of the erf is subject to obtaining an ECC.

OTHER LAWS, ACTS, REGULATIONS AND POLICIES

The laws, acts, regulations, and policies listed below have also been considered during the Environmental Assessment.

	Laws, Acts, Regulations & Policie	es consulted:
Electricity Act	In accordance with the Electricity	The Proponent must abide to
(No. 4 of 2007)	Act (No. 4 of 2007) which provides	the Electricity Act.
	for the establishment of the	
	Electricity Control Board and	
	provide for its powers and	
	functions; to provide for the	
	requirements and conditions for	
	obtaining licenses for the provision	
	of electricity; to provide for the	
	powers and obligations of	
	licenses; and to provide for	
	incidental matters: the necessary	
	permits and licenses will be	
	obtained.	
Pollution	The Pollution Control and Waste	The Proponent must adhere
Control and	Management Bill is currently in	to the Pollution Control and
Waste	preparation and is therefore	Waste Management Bill.
Management	included as a guideline only. Of	
Bill (guideline	reference to the mining, Parts 2, 7	
only)	and 8 apply. Part 2 provides that	
	no person snall discharge or	
	cause to be discharged, any	
	pollutant to the air from a process	
	except under and in accordance	
	with the provisions of an all	
	polition license issued under	
	provides for procedures to be	
	followed in license application	
	fees to be paid and required torms	
	of conditions for air pollution	
	licenses Part 7 states that any	
	nerson who sells stores	
	transports or uses any bazardous	
	transports or uses any nazardous	

Table 1: Laws. Acts. Regulations and Policies

	substances or products containing	
	hazardous substances shall notify	
	the competent authority, in	
	accordance with sub-section (2),	
	of the presence and quantity of	
	those substances. The competent	
	authority for the purposes of	
	section 74 shall maintain a register	
	of substances notified in	
	accordance with that section and	
	the register shall be maintained in	
	accordance with the provisions.	
	Part 8 provides for emergency	
	preparedness by the person	
	handling hazardous substances,	
	through emergency response	
	plans.	
Water	The Water Resources	The Act must be consulted.
Resources	Management Act (No. 11 of	Fresh water abstraction and
Management	2013) stipulates conditions that	waste-water discharge
Act	ensure effluent that is produced to	permits should be obtained
	be of a certain standard. There	when required.
	should also be controls on the	
	disposal of sewage, the	
	purification of effluent, measures	
	should be taken to ensure the	
	prevention of surface and	
	groundwater pollution and water	
	resources should be used in a	
	sustainable manner.	
Solid and	Provides for management and	The Proponent must abide to
Hazardous	handling of industrial, business	the solid waste management
Waste	and domestic waste.	provisions.
Management		
Regulations:		
Local		
Authorities		
1992		
Hazardous	The Ordinance applies to the	The Proponent must abide to
Substances	manufacture, sale, use, disposal	the Ordinance's provisions.
Ordinance	and dumping of hazardous	
(NO. 14 Of	substances, as well as their import	
1974)	and export and is administered by	
	the Minister of Health and Social	
	vveltare. Its primary purpose is to	
	prevent nazardous substances	
	from causing injury, ill-health or	
A tree of a secolor	the death of human beings.	The even even to be the U
Atmospheric	Part 2 of the Ordinance governs	the the stimulations of the
Pollution	the control of noxious of offensive	to the stipulations of the
Prevention	gases. The Ordinance prohibits	Atmospheric Pollution
	anyong trom corrupa on o	Provention ()rdinance

Namibia (No. 11 of 1976)	scheduled process without a registration certificate in a	
	controlled area. The registration certificate must be issued if it can	
	be demonstrated that the best	
	for preventing or reducing the	
	escape into the atmosphere of	
	noxious or offensive gases produced by the scheduled	
	process.	
Nature	The Nature Conservation	The proposed project
Ordinance	game parks and nature reserves,	in a demarcated conservation
	the hunting and protection of wild	area, national park or unique
	animals, problem animals, fish and indigenous plant species. The	environments.
	Ministry of Environment, Forestry	
	and Tourism (MEFT) administer it	
	of the Nature Conservation Board.	
Forestry Act	The Forestry Act (No. 12 of	No removal of protected tree
	ageneral protection of the receiving	species or removal of mature trees should happen. The
	and surrounding environment.	Ministry of Environment,
	The protection of natural	Forestry and Tourism should
	the Forestry Act especially	be consulted when required.
	stipulates that no living tree, bush,	
	shrub or indigenous plants within 100m from any river, stream or	
	watercourse, may be removed	
Labour Ast	without the necessary license.	The propert and contractor
Labour Act	contains regulations relating to the	should adhere to the Labour
	Health, Safety and Welfare of	Act.
	employees at work. These	
	among others safety relating to	
	hazardous substances, exposure	
	limits and physical hazards. Regulations relating to the Health	
	and Safety of Employees at Work	
	are promulgated in terms of the	
	GG1617 of 1 August 1997).	
Traditional	The Traditional Authorities Act	Traditional Authorities should
Authorities Act (No. 17 of	(No. 17 of 1995) provide for the	be consulted when required.
1995)		
	authorities, the designation and	

Public and Environmental Health ActThe Public and Environmental Health Act (No. 1 of 2015) provides with respect to matters of promote public health and wellbeing; (b) prevent injuries, diseases and disabilities; (c) protect individuals and communities from public health risks; (d) encourage community participation in order to create a healthy environment; and (e) provide for early detection of diseases and public health risks.The National Heritage Council should be consulted when equired.National 4000All protected heritage resources diseases and public health risks.The National Heritage Council should be consulted when equired.National 4010All protected heritage resources immediately to the National Heritage Council (NHC) and require a permit from the NHC before it may be relocated. This should be applied from the NHC.The proposed site for development is not within any doriginal site or export from to original site or export from stone or a petroglyph known or commonly believed to have been execusted by any people who or archaeological or archaeological contents of graves, caves, rock shelters, middens, shell mounds or other sites used by such people; or (e) any other archaeological or palaeontological finds, material or gizet in accordance with a permit issued under this section.The proponent will ensure dentified, it will be the responsibility of the developer to take the required route and outige the vere the site used by such people; or (e) any other archaeological or palaeontological finds, material or p		and powers; and to provide for	
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1919) shall suffer to expremises owned him or of which h nuisance or othe to be injurious health."	ist on any land or l or occupied by le is in charge any er condition liable or dangerous to	the project in relation to protection of the health of their employees and surrounding residents is protected and will be included in the EMP. Relevant protective equipment shall be provided for employees in construction. The development shall follow requirements and specifications in relation to water supply and sewerage handling and solid waste management so as not to threaten public health of future residents on this piece of land.
Soil The objectives of	of this Act are to:	Only the area required for the
Conservation Make provisions	for the combating	operations should be cleared
Act (No. 76 of and prevention	of soll erosion;	from vegetation to ensure the
protection and in	nprovement of the	through clearance for
soil, vegetation	, sources and	construction.
resources of the	Republic;	
Air Quality Act The Air Quality	Act (No. 39 of	The proponent and contractor
(N0. 39 of 2004) intends	to provide for	should adhere to the Air
2004) national norms	and standards	Quality Act.
management ar	uality monitoring,	
spheres of	a control by an avernment: for	
specific air quali	ty measures; and	
for matters incide	ental thereto.	
Vision 2030 Namibia's over	all development	The proposed project is an
and National ambitions are a	articulated in the	important element in
Development Nation's Vision	2030. At the	employment creation.
Plans operational le	vel, five-yearly	
	ared in extensive	
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CONCLUSION AND IMPACT

It is believed the above administrative, legal and policy requirements which specifically guide and governs development will be followed and complied with in the planning, implementation and operations of the activity.

A flowchart indicating the entire EIA process is shown in the Figure below.



Figure 7: Flowchart of the Impact Process

9. AFFECTED RECEIVING ENVIRONMENT

9.1. BIODIVERSITY AND VEGETATION

Erf 732, Lüderitz is part of the Namib Desert and Succulent Karoo Biomes. The project site is showing evidence of some human interference namely informal tracks are present and vegetation was cleared on some areas of the erf and a few gravel roads are present on the site. The erf has hardly any vegetation except for a few small shrubs.



Figure 8: Biomes in Namibia (Atlas of Namibia Project, 2002)

The natural characteristics of the project site namely the vegetation clearance and the destruction of habitats is expected to further on have a low impact on the environment before the mitigation measures are taken and after the mitigation measures are taken, the impact will be very low.

9.2. GEOLOGY AND SOILS

Lüderitz is located in the Namaqua Metamorphic Complex Group. The rocky subsurface of Lüderitz consists of crystalline rocks of the Namaqua Metamorphic Complex. Erf 732, Lüderitz is located in such a rocky area.



Figure 9: Geology of Namibia (Atlas of Namibia Project, 2002)

These ancient rocks belong to the oldest formations known in southern Namibia. These rock formations can be observed throughout the town and forms the foundations of many of the buildings to be observed in Lüderitz. The project site is generally uneven with some higher areas at places. Although covered by a small number of plants, the site should not be cleared unnecessarily as the clearing of soil might lead to erosion.

9.3. SOCIO ECONOMIC ENVIRONMENT

This area of Lüderitz is mainly used for residential/business/institutional purposes. The operation and utilisation of the proposed facilities will have a positive impact on the socio-economic environment as accommodation is required for people moving to Lüderitz to benefit from possible job opportunities derived from the finding of oil and gas as well as increase in export activities through the Lüderitz Harbour.

9.4.CLIMATE

The climate in Lüderitz is called a desert climate. There is virtually no rainfall all year long in Lüderitz. The Köppen-Geiger climate classification is BWk. The average annual temperature is 15.8 °C in Lüderitz. Precipitation averages 17 mm.

The driest month is January. There is 0 mm of precipitation in January. The greatest amount of precipitation occurs in May, with an average of 3 mm. With an average of 17.9 °C, February is the warmest month. The lowest average temperatures in the year occur in August, when it is around 13.5 °C. The precipitation varies 3 mm

between the driest month and the wettest month. The variation in temperatures throughout the year is 4.4 °C (*Climate-Data.org, 2017*).

			Clima	ate data fo	r Lüderitz								[hide]
Month	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year
Record high °C (°F)	32.5 (90.5)	30.0 (86)	34.1 (93.4)	36.5 (97.7)	33.0 (91.4)	31.6 (88.9)	30.7 (87.3)	33.0 (91.4)	35.1 (95.2)	35.0 (95)	37.5 (99.5)	30.6 (87.1)	37.5 (99.5)
Average high °C (°F)	21.4 (70.5)	21.3 (70.3)	21.1 (70)	19.9 (67.8)	19.2 (66.6)	19.0 (66.2)	17.9 (64.2)	17.2 (63)	17.3 (63.1)	18.0 (64.4)	19.2 (66.6)	20.5 (68.9)	19.3 (66.7)
Daily mean °C (°F)	17.7 (63.9)	17.8 (64)	17.4 (63.3)	16.3 (61.3)	15.5 (59.9)	15.1 (59.2)	14.1 (57.4)	13.7 (56.7)	13.9 (57)	14.7 (58.5)	15.8 (60.4)	17.0 (62.6)	15.7 (60.3)
Average low °C (°F)	14.0 (57.2)	14.3 (57.7)	13.8 (56.8)	12.6 (54.7)	11.7 (53.1)	11.2 (52.2)	10.4 (50.7)	10.2 (50.4)	10.5 (50.9)	11.4 (52.5)	12.3 (54.1)	13.5 (56.3)	12.1 (53.8)
Record low °C (°F)	5.5 (41.9)	5.0 (41)	6.0 (42.8)	5.5 (41.9)	3.3 (37.9)	0.2 (32.4)	3.0 (37.4)	4.8 (40.6)	3.4 (38.1)	3.4 (38.1)	4.9 (40.8)	3.9 (39)	0.2 (32.4)
Average precipitation mm (inches)	0 (0)	1 (0.04)	2 (0.08)	2 (0.08)	3 (0.12)	3 (0.12)	1 (0.04)	2 (0.08)	1 (0.04)	0 (0)	0 (0)	0 (0)	17 (0.67)
Average precipitation days (≥ 0.1 mm)	1.0	1.0	1.0	0.9	1.4	1.4	1.0	0.7	0.5	0.5	0.5	0.7	10.6
Average relative humidity (%)	82	81	82	80	79	72	74	78	80	80	80	80	79
Mean monthly sunshine hours	198.4	203.4	257.3	216.0	213.9	144.0	170.5	201.5	216.0	201.5	189.0	176.7	2,388.2
Mean daily sunshine hours	6.4	7.2	8.3	7.2	6.9	4.8	5.5	6.5	7.2	6.5	6.3	5.7	6.5
			Sourc	e: Deutsche	er Wetterdier	nst ^[16]							

Figure 10: Climate in Lüderitz (Deutscher Wetterdienst)

9.5. HYDROLOGICAL COMPONENT

Considering the solid metamorphic rock basements, lack of both porous sand stones and gravel beds and the prevailing dryness of the area, potable water is lacking in this area of Lüderitz. The danger of polluting underground water is therefore zero. Therefore, the area where the project site is located has a very low groundwater potential from a permeability and yield perspective (*Grunert, 2003*).

Although the rainfall in this area is very low and most of the surface water evaporates, runoff can be expected due to the impermeability of soils (*Grunert, 2003*). The storage and accumulation of substances, which might pollute lower lying surface drainage systems or basins because of surface water drainage, should be prevented. No potential pollutants should be channelled or directed towards any drainage areas or the sea.

From the hydrological assessment perspective, no major geological structures that will enhance groundwater recharge or flow are evident on the proposed project site (*Grunert, 2003*).

9.6. CULTURAL HERITAGE

The proposed project site is not known to have any historical significance prior to or after Independence in 1990. The specific area does not have any National Monuments and the specific site has no record of any cultural or historical importance or on-site resemblance of any nature. No graveyard or related article was found on the site.

10. IMPACT ASSESSMENT AND EVALUATION

The Environmental Impact Assessment sets out potential positive and negative environmental impacts associated with the proposed project, which is located on Erf 732, Lüderitz. The following assessment methodology will be used to examine each impact identified, see *Table* below:

Criteria	Rating	(Severity)			
Impact Type	+	Positive			
	0	No Impact			
	-	Negative			
Significance of impact being either	L	Low (Little or no impact)			
·	Μ	Medium (Manageable impacts)			
	н	High (Adverse impact)			

Table 1: Impact Evaluation Criterion (DEAT 2006)

Probability:	Duration:
5 – Definite/don't know	5 - Permanent
4 – Highly probable	4 – Long-term (impact ceases)
3 – Medium probability	3 – Medium term (5 – 15 years)
2 – Low probability	2 – Short-term (0 – 5 years)
1 – Improbable	1 - Immediate
0 - None	
Scale:	Magnitude:
5 – International	10 – Very high/don't know
4 – National	8 - High
3 – Regional	6 - Moderate
2 – Local	4 - Low
1 – Site only	2 - Minor
	0 - None

The impacts on the receiving environment are discussed in the paragraphs below:

10.1. IMPACTS DURING THE OPERATIONAL PHASE

10.1.1.ECOLOGICAL IMPACTS

Staff and visitors should only make use of walkways and existing roads to minimise the impact on vegetation. Minimise the area of disturbance by restricting movement to the designated working areas during maintenance and drives.

Impact Evaluation

Aspect	Impact Type	Scale	Duration	Magnitude	Probability	Significance	
						Unmitigated	Mitigated
Ecology Impacts	-	1	2	4	2	L	L

10.1.2.DUST POLLUTION AND AIR QUALITY

Vehicles transporting goods and staff will contribute to the release of hydrocarbon vapours, carbon monoxide and sulphur oxides into the air. Possible release of sewer odour, due to sewer system failure of maintenance might also occur. All maintenance of bulk services and infrastructure at the project site has to be designed to enable environmental protection.

Impact Evaluation

Aspect	Impact Type	Scale	Duration	Magnitude	Probability	Significance	
						Unmitigated	Mitigated
Dust & Air Quality	-	2	2	4	4	М	L

10.1.3.CONTAMINATION OF GROUNDWATER

Spillages might also occur during maintenance of the sewer system. This could have impacts on groundwater especially in cases of large sewer spills. Proper containment should be used in cases of sewerage system maintenance to avoid any possible leakages. Oil and chemical spillages may have a heath impact on groundwater users. Potential impact on the natural environment from possible polluted groundwater also exists. Impact Evaluation

Aspect	Impact Type	Scale	Duration	Magnitude	Probability	Significance	
						Unmitigated	Mitigated
Groundwater contamination	-	2	2	4	2	L	L

10.1.4.GENERATION OF WASTE

Household waste from the activities at the site and from the staff working at the site will be generated. This waste will be collected, sorted to be recycled and stored in on site for transportation and disposal at an approved landfill site.

Impact Evaluation

Aspect	Impact Type	Scale	Duration	Magnitude	Probability	Significance	
						Unmitigated	Mitigated
Waste Generation	-	1	2	2	2	М	L

10.1.5. FAILURE IN RETICULATION PIPELINES

There may be a potential release of sewage, stormwater or water into the environment due to pipeline/system failure. As a result, the spillage could be released into the environment and could potentially be health hazard to surface and groundwater. Proper reticulation pipelines and drainage systems should be installed. Regular bulk services infrastructure and system inspection should be conducted.

Impact Evaluation

Aspect	Impact Type	Scale	Duration	Magnitude	Probability	Significance	
						Unmitigated	Mitigated
Failure of Reticulation Pipeline	-	1	1	4	2	М	L

10.1.6.FIRES AND EXPLOSIONS

Food will be prepared on stoves. There should be sufficient water available for firefighting purposes. Ensure that all fire-fighting devices are in good working order and are serviced. All personnel have to be trained about responsible fire protection measures and good housekeeping such as the removal of flammable materials on site. Regular inspections should be carried out to inspect and test firefighting equipment by the contractor.

Impact Evaluation

Aspect	Impact Type	Scale	Duration	Magnitude	Probability	Significance	
						Unmitigated	Mitigated
Fires and Explosions	-	2	1	4	2	М	L

10.1.7.HEALTH, SAFETY AND SECURITY

The safety, security and health of the labour force, employees and neighbours are of great importance, workers should be orientated with the maintenance of safety and health procedures and they should be provided with PPE (Personal Protective Equipment). Workers should be warned not to approach or chase any wild animals occurring on the site. No open flames, smoking or any potential sources of ignition should be allowed at the project location. Signs such as 'NO SMOKING' must be prominently displayed in parts where inflammable materials are stored on the premises.

Impact Evaluation

Aspect	Impact Type	Scale	Duration	Magnitude	Probability	Significance	
						Unmitigated	Mitigated
Safety & Security	-	1	2	4	2	М	L

10.2. CUMULATIVE IMPACTS

These are impacts on the environment, which results from the incremental impacts of the construction and operation of the proposed project when added to other past, present, and reasonably foreseeable future actions regardless of what person undertakes such other actions. Cumulative impacts can result from individually minor but collectively significant actions taking place over a period of time. In relation to an activity, it means the impact of an activity that in it may not become significant when added to the existing and potential impacts resulting from similar of diverse activities or undertakings in the area.

Possible cumulative impacts associated with the proposed project include sewer damages/maintenance, vegetation and animal disturbance, uncontrolled traffic and destruction of the natural environment. These impacts could become significant especially if it is not properly supervised and controlled. This could collectively impact on the environmental conditions in the area. Cumulative impacts could occur in both the operational and the construction phase.

Impact Evaluation

Aspect	Impact Type	Scale	Duration	Magnitude	Probability	Significance	
						Unmitigated	Mitigated
Cumulative Impacts	-	1	3	4	3	L	L

11. ENVIRONMENTAL MANAGEMENT PLAN

The Environmental Management Plan (EMP) provides management options to ensure impacts of the proposed construction are minimised. An EMP is an environmental management tool used to ensure that undue or reasonably avoidable adverse impacts of the operations are prevented, and the positive benefits of the projects are enhanced.

The objectives of the EMP are:

- ✓ to include all components of the proposed project.
- ✓ to prescribe the best practicable control methods to lessen the environmental impacts associated with the project.
- ✓ to monitor and audit the performance of the project personnel in applying such controls.
- ✓ To ensure that appropriate environmental training is provided to responsible project personnel.

The EMP acts as a document that can be used during the various phases of the proposed project. The contractor as well as the management and staff should be made aware of the contents of the EMP. See Appendix for EMP.

12. CONCLUSION

The EIA has been completed in line with the requirements of the Environmental Management Act, 2007 and Regulations and it is concluded and recommended that the specific site identified namely Erf 732, Lüderitz, has the full potential to be used for the proposed activities. The identified environmental and social impacts can be minimized and managed through implementing preventative measures and sound management systems. It is recommended that the environmental performance be monitored regularly to ensure compliance and that corrective measures be taken if necessary.

In general, the operation of the proposed project would pose limited environmental risks, provided that the EMP for the activity is used properly. The EMP should be used as an onsite tool during the operation of the project. Parties responsible for non-conformances of the EMP should be held responsible for any rehabilitation that has to be undertaken. After assessing all information available on this project, Green Earth Environmental Consultants are of the opinion that the proposed project site is suitable for the proposed activities. The accompanying EMP will focus on mitigation measures that will remediate or eradicate the negative or adverse impacts.

13. RECOMMENDATION

It is therefore recommended that the Ministry of Environment, Forestry and Tourism through the Environmental Commissioner support and approve the Environmental Clearance for the completion of the town planning procedures to rezone Erf 732, Lüderitz from 'Residential 1' to 'General business' and to issue an Environmental Clearance for the following 'Listed Activities':

LAND USE AND DEVELOPMENT ACTIVITIES

5.1 The rezoning of land from -

(a) residential use to business (commercial) use.

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APPENDIX A: NEWSPAPER NOTICES





THE NAMIBIAN

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• Legal • . Legal . Information: Further take notice that any person twong objections and when a statistic statistic statistics and objection comment in writing with the Chief Executive Officer of the On-daryout Teven Council and write the explorated (SC) Labora 24 Miry 2003 this notice) Applicance Statewardshift his notice) Applicance Statewardshift PO Box 1680, Windhow Mir (2001) ST 169 Ow Fair (2001) Statistics Fair Loosayout Calaboration (CLAC250001531 ation. Further take notice that erson having objections and/ aments to the proposed town-establishment, may lodge such align the use of the Erf with the sulations of the Schame, Erf 732

vultions of the Scheme, fir 732 st be nazonet to 'Ganeral busi-a' with a buik of 12. Under this ing a residential building, as pri-traidential withs (fats) can accommodate. Kindly take nota it is not intended to change the ting use or add any buildings to eff. The use will restain residen-alia bitmenta and offer the notd. The use will remain residen-is. Interested and affected par-re hereby invited to register in of the assessment process to reput, comments, and opinions ding the proposed project. A comenting will be held if enough contertaget is shown. Registered Ic meeting will be held it enough ic interest is shown. Registered APs will be notified of the date wome of the public meeting, last date for comments and/or tration is 17 May 2023. Contact is for registration and further in-aliser. Geneen Earth Environmen-tation: Geneen Earth Environmen-tions/darts Contact Persons: te Du Tol/Canen van der Walt 18/112/21415 Ogreensarthnamibia

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CLACE20001555 PUBLIC NOTICE ENVEROMMENT LL CLACETING INVITATION AND NOTICE TO APPLY FOR THE LAX-OUT APPROVAL AND TOWNSHIP ESTABLISHMENT OF OMASHIKASA DOUT APPROVAL AND TOWNSHIP ESTABLISHMENT OF OMASHIKASA Down and Regional Planness and Environmental Consultants on behalt of object and the application and the same and regional Planness The Albana down and Regional Planness The Utaba and Regional Planness Then Utaba and Regional Planness The Utaba and Regional Planness The Utaba

Inviconmental Commissioner Re Lee Visioning: N) Subdivision of the Remainder of the Farm Orodangwa Towan and Towaliands No. 882 the Portion A. B and Remainder; Db) Layout approval and township relabilithment on Portion A. of the Farm Ondangwa Towa and Towan-

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an Council Office and SPC Office, Feld Street, Windhoek, REGIS-ATION OF INTERESTED AND FECTED PARTIES (8APs) AND IBMISSION OF COMMENTS: All Ps are hereby invited to register h the applicant to obtain further HC-MD-CIV-MOT-GEN-2019/00194 IN THE HIGH COURT OF NAMIBIA, MAIN DIVISION, HELD AT WIND-HOEK ON THURSDAY, THE 20th DAY OF APRIL 2023 BEFORE THE

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• Legal • HELGE SCHÜTZ TRUSTCO United went to the top of the Rugby Premier League log for the first time this season

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tory against FNB Unam at Suburbs Park, while Reho Falcon got their first SWIFT ... Rehoboth fullback Jeandre Loubser on the attack against United. win of the season after beating FNB Grootfontein 35-29 at Rehoboth. At the Hage Gein-gob Stadium, Unit-ed were always in charge against Re-hoboth, although the by right wing Elmarco Beukes, but United soon regained the ini-tiative with tries by Du visitors competed well till the end. United's forwards

Plessis and leftwing Edgar Beuthin to go 36-17 ahead. Rehoboth once again came back with a try by soon took control of the set pieces and lock Zander Jerome Schoeman after a fine break by Diego Loubser, but United pulled further away Bronkhorst opened the scoring when he burst over from a driving maul for a with two great tries by flanker Du Plessis, runa driving maul for a flanker Du Plessis, run-try converted by full-back Renier Benade. Further tries by eighth man Dean Blom and flanker 2yl. Lende and tranker 21-0 ahead after the Status and the sta

tion penalty try, con-verted by scrumhalf Miguel Busch. For United captain first quarter, and they seemed to be cruis-

ing to victory. Rehoboth, how-For United captain Du Plessis had a great game, scoring four tries, while the rest of their pack impressed in the set pieces. Rehoboth, though ever, did well to fight back with tries by centre Henrique Olivier and fullback

Jeandre Loubser outmuscled up front, fought till the end, with the centres Henand with a half-time deficit of 24-10, they were still in the game. Rehoboth rique Olivier and Diego

from the back. attempt went wide and That was United's they had to settle for third successive win a draw. which puts them at the top of the log on 15 points, while Wan-derers move down to second place on 13 22-20 in a thriller at points after dropping Suburbs Park. Suburbs second three against Second three against Suburbs Second three against Second three ag points at home against Kudus. In a tight en-counter, Wanderers took the lead through a try by rightwing Nandivatu Karuuombe

Kudus, however, re-mained in contention through flyhalf Ger-aldo Beukes who added three penalties, and when hooker Jarred Koning went over for a converted try they were right back in the game.

Beukes added another penalty to draw level at 19-19 and although Wanderers had a chance to win

closed the gap to 24-17 Loubser creating nu-after a try in the corner by right wing Elmarco from the back. the game with a late penalty, Holtzhauzen's attempt went wide and

Suburbs scored threetries through right-wing Demarcho Har-tung, centre Jayden Links and scrumhalf AJ Kearns, while Ricardo Swartz added two conversions and a

penalty. Unam scored two Unam scored two tries through leftwing Shareave Titus and substitute Roaldo Ritt-mann, while flyhalf Aljerreau Zaahl added

Aljerreau Zaahl added two conversions and two penalties. At Rehoboth, Reho Falcons beat Grootfon-tein 35-29 to move off the bottom of the log. Falcons scored four

tries through lock Ettienne Koopman, flanker Izador Jansen, leftwing Shaun Mouton and flyhalf Brandon Den-tlinger.









APPENDIX B: NOTICE AT MUNICIPALITY



APPENDIX C: NOTICE ON SITE



APPENDIX D: CURRICULUM VITAE OF CHARLIE DU TOIT

- 1. Position: Environmental Practitioner
- 2. Name/Surname: Charl du Toit
- **3. Date of Birth:** 29 October 1960
- 4. Nationality: Namibian

5.	Education:	Name of Institution	University of Stellenbosch, South Africa
		Degree/Qualification	Hons B (B + A) in Business
			Administration and Management
		Date Obtained	1985-1987
		Name of Institution	University of Stellenbosch, South Africa
		Degree/Qualification	BSc Agric Hons (Chemistry, Agronomy
			and Soil Science)
		Date Obtained	1979-1982
		Name of Institution	Boland Agricultural High School, Paarl,
			South Africa
		Degree/Qualification	Grade 12
		Date Obtained	1974-1978
		Date Obtained	1974-1978

EAPAN Member (Membership Number: 112)

6. Membership of Professional Association:

7. Languages: Speaking Reading Writing English Good Good Good Afrikaans Good Good Good 8. Employment From То Employer Position(s) held **Record:** 2009 Present Green Earth Environmental Practitioner Environmental Consultants 2005 2008 Elmarie Du Toit Manager Town Planning Consultants 2003 2005 Pupkewitz **General Manager** Megabuild 1995 2003 Agra Cooperative Manager Trade Limited Namibia Chief Agricultural 1995 1989 Development Consultant Corporation Ministry of Agricultural 1985 1988 Agriculture Researcher

Certification:

I, the undersigned, certify that to the best of my knowledge and belief, this CV correctly describes myself, my qualifications, and my experience. I understand that any wilful misstatement described herein may lead to my disqualification or dismissal, if engaged.

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Charl du Toit

APPENDIX E: CURRICULUM VITAE OF CARIEN VAN DER WALT

Environmental Consultant

Carien van der Walt

- 1. Position:
- 2. Name/Surname:
- **3. Date of Birth:** 6 August 1990
- 4. Nationality: Namibian
- 5. Education:

Institution	Institution Degree/Diploma	
University of Stellenbosch	B.A. (Degree) Environment and	2009 to 2011
	Development	
University of South Africa	B.A. (Honours) Environmental	2012 to 2013
	Management	

6. Membership of Professional Associations:

EAPAN Member (Membership Number: 113)

7. Languages:

Language	Speaking	Reading	Writing
English	Good	Good	Good
Afrikaans	Good	Good	Good

8. Employment Record:

From	То	Employer	Positions Held
07/2013	Present	Green Earth Environmental Consultants	Environmental
			Consultant
06/2012	03/2013	Enviro Management Consultants Namibia	Environmental
			Consultant
12/2011	05/2012	Green Earth Environmental Consultants	Environmental
			Consultant

9. Detailed Tasks Assigned:

Conducting the Environmental Impact Assessment, Environmental Management Plan, Public Participation, Environmental Compliance and Environmental Control Officer

Certification:

I, the undersigned, certify that to the best of my knowledge and belief, this CV correctly describes myself, my qualifications, and my experience. I understand that any wilful misstatement described herein may lead to my disqualification or dismissal, if engage.

Carien van der Walt

APPENDIX F: ENVIRONMENTAL MANAGEMENT PLAN