

ENVIRONMENTAL IMPACT ASSESSMENT FOR FUEL STORAGE AND HANDLING FACILITIES ON ERF 534, KATIMA MULILO EXTENSION 2, ZAMBEZI REGION

2023

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Project Name:	ENVIRONMENTAL IMPACT ASSESSMENT FOR FUEL STORAGE AND HANDLING FACILITIES ON ERF 534, KATIMA MULILO EXTENSION 2, ZAMBEZI REGION
The Proponent:	Bachmus Oil & Fuel Supplies P O Box 2788, WALVIS BAY
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EXECUTIVE SUMMARY

Green Earth Environmental Consultants were appointed by the Proponent, Bachmus Oil & Fuel Supplies, to conduct an Environmental Impact Assessment to obtain an Environmental Clearance for fuel storage and handling facilities on Erf 534, Katima Mulilo Extension 2, Zambezi Region. The land within the immediate vicinity of the project site is predominately characterized by industrial, business, and institutional activities. 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':

ENERGY GENERATION, TRANSMISSION AND STORAGE ACTIVITIES

- The construction of facilities for the refining of gas, oil and petroleum products.

HAZARDOUS SUBSTANCE TREATMENT, HANDLING AND STORAGE

- The storage and handling of dangerous goods, including petrol, diesel, liquid petroleum gas or paraffin, in containers with a combined capacity of more than 30 cubic meters at any one location.
- Construction of filling stations or any other facility for the underground and aboveground storage of dangerous goods, including petrol, diesel, liquid, petroleum, gas or paraffin.

The environmental impacts during the operational phase of the proposed project:

IMPACTS DURING OPERATIONAL PHASE			
Aspect	Impact Type	Significance of impacts Unmitigated	Significance of impacts Mitigated
Ecology Impacts	-	М	L
Dust and Air Quality	-	М	L
Groundwater Contamination	-	М	L
Waste Generation	-	М	L
Failure of Reticulation Pipeline	-	М	L
Fires and Explosions	-	М	L
Safety and Security	-	М	L

IMPACT EVALUATION CRITERION (<i>DEAT 2006</i>):			
Criteria	Rating (Severity)		
Impact Type	+	Positive	
	0	No Impact	
	-	Negative	
Significance of	L	Low (Little or no impact)	
impacts	M	Medium (Manageable impacts)	
	Н	High (Adverse impact)	

The negative impacts associated with the project are the impact on the vegetation, the natural drainage systems, noise and dust during construction and operation, the

danger of residents and visitors being injured during construction, the transmission of diseases from people or to people involved in construction and the loss of land. 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 fuel storage and handling facilities on Erf 534, Katima Mulilo Extension 2, Zambezi Region and for the following "listed activities":

ENERGY GENERATION, TRANSMISSION AND STORAGE ACTIVITIES

- The construction of facilities for the refining of gas, oil and petroleum products.

HAZARDOUS SUBSTANCE TREATMENT, HANDLING AND STORAGE

- The storage and handling of dangerous goods, including petrol, diesel, liquid petroleum gas or paraffin, in containers with a combined capacity of more than 30 cubic meters at any one location.
- Construction of filling stations or any other facility for the underground and aboveground storage of dangerous goods, including petrol, diesel, liquid, petroleum, gas or paraffin.

TABLE OF CONTENTS

LIST OF FIGURES	7
LIST OF TABLES	7
LIST OF ABBREVIATIONS	8
1. INTRODUCTION	9
2. TERMS OF REFERENCE	9
3. MOTIVATION, NEED AND DESIRABILITY	10
4. BACKGROUND INFORMATION ON THE PROJECT	12
4.1. SITE INFORMATION (LOCALITY, SIZE AND ZONING)	12
5. BULK SERVICES AND INFRASTRUCTURE	18
5.1. ACCESS REQUIREMENTS	18
5.2. WATER SUPPLY	21
5.3. ELECTRICITY	21
5.4. SEWAGE DISPOSAL	22
5.5. SOLID WASTE	22
6. APPROVAL ALREADY OBTAINED	23
7. APPROACH TO THE STUDY	25
8. ASSUMPTIONS AND LIMITATIONS	25
9. LEGAL AND POLICY REQUIREMENTS	26
10. AFFECTED RECEIVING ENVIRONMENT	37
10.1. BIODIVERSITY AND VEGETATION	37
10.2. GEOLOGY AND SOILS	38
10.3. SOCIO ECONOMIC ENVIRONMENT	38
10.4. CLIMATE	39
10.5. CULTURAL HERITAGE	39
10.6. SENSE OF PLACE	39
10.7. HEALTH	40
11. IMPACT ASSESSMENT AND EVALUATION	40
11.1. IMPACTS DURING THE CONSTRUCTION ACTIVITY	41
11.1.1. WATER USAGE	41
11.1.2. ECOLOGICAL IMPACTS	42
11.1.3. DUST POLLUTION AND AIR QUALITY	42
11.1.4. NOISE IMPACT	42
11.1.5. HEALTH, SAFETY AND SECURITY	43
11.1.6. CONTAMINATION OF GROUNDWATER	43
11.1.7. SEDIMENTATION AND EROSION	44

11.1.8.	GENERATION OF WASTE	44
11.1.9.	CONTAMINATION OF SURFACE WATER	45
11.1.10.	TRAFFIC AND ROAD SAFETY	45
11.1.11.	FIRES AND EXPLOSIONS	45
11.1.12.	SENSE OF PLACE	46
11.2. I	MPACTS DURING THE OPERATIONAL PHASE	46
11.2.1.	ECOLOGICAL IMPACTS	46
11.2.2.	DUST POLLUTION AND AIR QUALITY	46
11.2.3.	CONTAMINATION OF GROUNDWATER	47
11.2.4.	GENERATION OF WASTE	47
11.2.5.	FAILURE IN RETICULATION PIPELINES	47
11.2.6.	FIRES AND EXPLOSIONS	48
11.2.7.	HEALTH, SAFETY AND SECURITY	48
11.3.	CUMULATIVE IMPACTS	
12. EN	VIRONMENTAL MANAGEMENT PLAN	49
13. CC	NCLUSION	49
14. RE	COMMENDATION	50
APPEND	IX A: NEWSPAPER NOTICES	52
APPEND	IX B: CURRICULUM VITAE OF CHARLIE DU TOIT	56
APPEND	IX C: CURRICULUM VITAE OF CARIEN VAN DER WALT	58
APPEND	IX D: ENVIRONMENTAL MANAGEMENT PLAN	59

LIST OF FIGURES

Figure 1: Locality Plan of Erf 534, Katima Mulilo	13
Figure 2: Locality Plan of Erf 534, Katima Mulilo with Photo	14
Figure 3: Site Layout Plan	17
Figure 4: Plan showing the proposed Access from Main Road B8	18
Figure 5: Photo showing locality of proposed access from Main Road B8	19
Figure 6: Plan showing access from the unnamed internal street	20
Figure 7: Letter to Roads Authority	21
Figure 8: Zoning Map of Erf 534, Katima Mulilo	29
Figure 9: Flowchart of the Impact Process	36
Figure 10: Biomes in Namibia (Atlas of Namibia, 2002)	37
Figure 11: Trees on the Project Site	37
Figure 12: Geology of Namibia (Atlas of Namibia Project, 2002)	38
LIST OF TABLES	
Table 1: Laws. Acts, Regulations and Policies	29
Table 2: Impact Evaluation Criterion (DEAT 2006)	40

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, Bachmus Oil & Fuel Supplies, appointed Green Earth Environmental Consultants to conduct an Environmental Impact Assessment and develop an Environmental Management Plan to obtain an Environmental Clearance for fuel storage and handling facilities on Erf 534, Katima Mulilo Extension 2, Zambezi Region.

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:

ENERGY GENERATION, TRANSMISSION AND STORAGE ACTIVITIES

- The construction of facilities for the refining of gas, oil and petroleum products.

HAZARDOUS SUBSTANCE TREATMENT, HANDLING AND STORAGE

- The storage and handling of dangerous goods, including petrol, diesel, liquid petroleum gas or paraffin, in containers with a combined capacity of more than 30 cubic meters at any one location.
- Construction of filling stations or any other facility for the underground and aboveground storage of dangerous goods, including petrol, diesel, liquid, petroleum, gas or paraffin.

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 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. MOTIVATION, NEED AND DESIRABILITY

Bachmus Oil & Fuel Supplies (Proprietary) Limited is a wholesale supplier and a household name for lubricant and fuel in the marine and industrial sectors. Bachmus has depots across Namibia offering a wide selection of multi-brand oils and fuel supply solutions.

<u>Need</u> – Road freight operators entering Namibia from Zambia, Botswana, Zimbabwe and even further north in Africa must travel through Katima Mulilo in the Zambezi region to reach the rest of Namibia as well as the Walvis Bay Port and on the way back. Bachmus Oil & Fuel Supplies (Proprietary) Limited identified Katima Mulilo as an important town for expanding their Namibian distribution network. They acquired Erf 534, Katima Mulilo with the intension of setting up a wholesale fuel depot to be able to service their customers who pass through the Town. According to their feasibility study, there is a need for an additional wholesale fuel facility in the Town to improve service levels to passing through traffic.

<u>Desirability</u> – Erf 534, Katima Mulilo is 1,8224ha in extent and zoned 'general industrial' as per the stipulations of the Katima Mulilo Town Planning Scheme. The erf is flat and is located directly adjacent to Main Road B8 which link Namibia with Zambia and Angola. It also has alternative access from an internal municipal street. The site is desirable for the proposed activity due to the following reasons:

- It is large enough to accommodate the facilities of a large wholesale fuel seller.
- It is located on the main road and highly visible with good and safe access.
- The zoning of the erf allows the proposed activity.
- The site is flat and ideal for parking large vehicles.
- The site is connected to municipal bulk services.
- The site is also surrounded by other industrial, and business uses and thus suited for the proposed activity.

According to the information mentioned above, it is believed that there is a need and desirability for the project.

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 construction and operational phases, wastewater will be produced that will be handled either by the Municipality or by the proponent, land will be used for the proposed activities, a sewage system will be constructed, 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 THE PROJECT

4.1.SITE INFORMATION (LOCALITY, SIZE AND ZONING)

The proposed project site, namely Erf 534, Katima Mulilo is located in the northern area of the Town directly south of Main Road B8 which link Namibia with Zambia. The Erf is 1,8224ha in extent and zoned 'general industrial' as per the stipulations of the Katima Mulilo Town Planning Scheme. The Erf's boundary on the northern side is Main Road B8. On the western side it has an unnamed internal gravel street as boundary, and the Total Service Station, which is located on Erf 535, is located directly east of Erf 534. The Erf is currently undeveloped and vacant.

Erf 534, Katima Mulilo is zoned 'general industrial' as per the stipulations of the Katima Mulilo Town Planning Scheme. The provisions of the Town Planning Scheme permit the use of Erf 534 for a service station. See below plans showing the locality of Erf 534, Extension 2, Katima Mulilo:

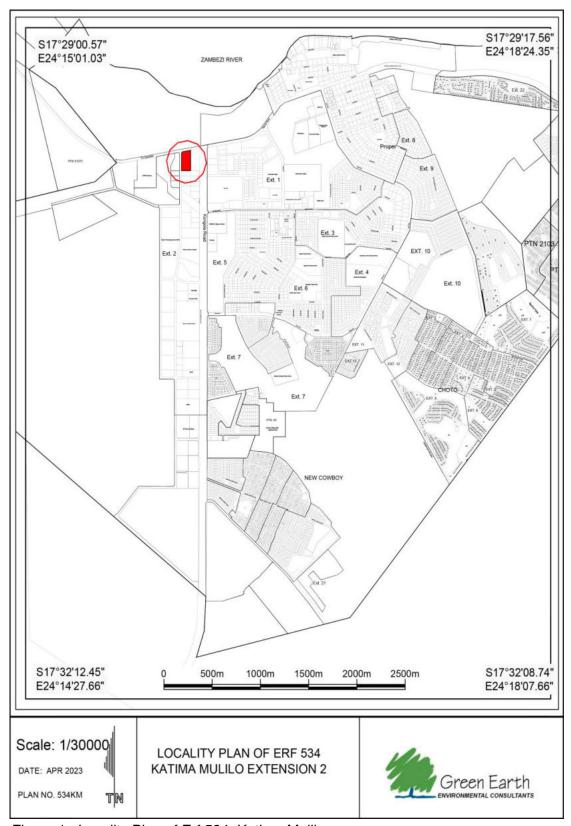


Figure 1: Locality Plan of Erf 534, Katima Mulilo

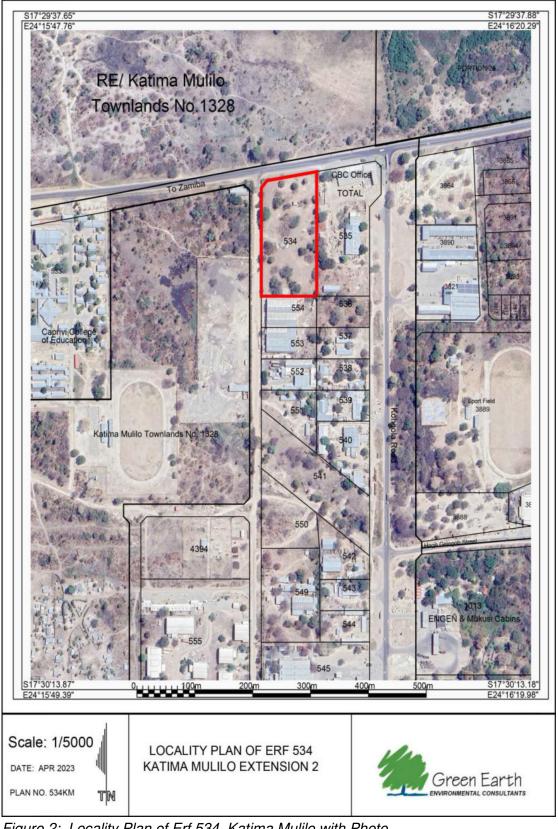


Figure 2: Locality Plan of Erf 534, Katima Mulilo with Photo

4.2. THE PROPOSED PROJECT

Bachmus Oil & Fuel Supplies (Proprietary) Limited obtained a wholesale license to sell diesel and lubricants to wholesale customers in Katima Mulilo. The Proponent already have depots in Walvis Bay, Windhoek, Swakopmund, Ondangwa, and most recently in Karibib.

As part of their expansion strategy, the Proponent intends to construct and operate a new warehouse, tank farm and customer own collection fuel and lubricant depot on Erf 534, Katima Mulilo. The proposed facilities to be constructed on site will be the following:

- 2 X 750 000 litre above ground vertical tanks.
- 3 X 83 000 litre above ground horizontal tanks.
- Supporting infrastructure including:
 - dispensing points
 - parking areas for vehicles
 - o fire protection equipment and backup water
 - o offices
 - storage areas for batteries and lubricants
 - o a tuck/convenience shop
 - o ablution facilities
 - spill containment infrastructure, with an oil/water separator was installed to protect against spillages
- A concrete slab will be constructed around the island.
- The refuelling area will be covered by an overhead canopy.
- The entire driveway area, the area surrounding the dispensing points and area below the canopy will be raised by land infill and sloped and landscaped and provided with proper drainage in order not to be subject to storm water damage/flooding.
- The site will be operating 24h per day.

The 'dangerous/noxious goods' to be handled and stored on the site include diesel, oil, truck batteries and lubricants.

The southern part of the Erf will be used for a truck port and a repair workshop that will be used for two of the transporters.

It is estimated that there will be seven (7) staff members from the beginning of the project however it is intended to appoint more staff later:

- 3 x fuel attendees
- 2 x sales counter staff
- 1 x storeman
- 1 x depot/sales manager

The operational activities on the site are:

- Entrance and exit of heavy and light vehicles to and from the facility.
- Circulation and parking of vehicles on the site, at the filling points, warehouses, the kiosk and offices.
- Movement of people on the site, including pedestrians visiting the kiosk and offices.
- Filling trucks with fuel.
- Filling of fuel into the aboveground tanks by direct closed transfer.
- Delivery of supplies for the site.
- Administrative activities related to the businesses.

See below the site plan showing the placement of the tanks, dispensing equipment, staff and customer amenities, office and storage, vehicle parking areas and sales area. Dedicated firefighting equipment including onsite water storage tanks and fire pump station will also be installed on the site.

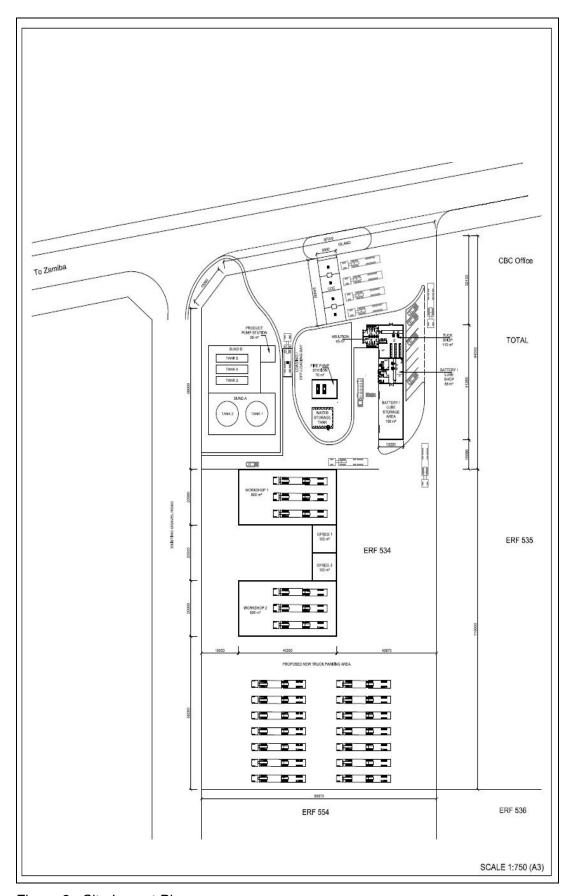


Figure 3: Site Layout Plan

5. BULK SERVICES AND INFRASTRUCTURE

The erf is connected to the existing municipal infrastructure.

5.1.ACCESS REQUIREMENTS

Erf 534, Katima Mulilo Extension 2 is located in the northern side of Katima Mulilo, directly south of the Katima to Zambia Main Road (The B8). The Erf is undeveloped and vacant and can take access from Main Road B8 or an unnamed gravel road directly east of the Erf.

To optimize the utilization of the site as well as the flow of traffic onto and through the site, it is the intension to provide access from Main Road B8 to the north of the Erf as well as from the unnamed street located to the west of the Erf. The accesses are discussed and shown below:

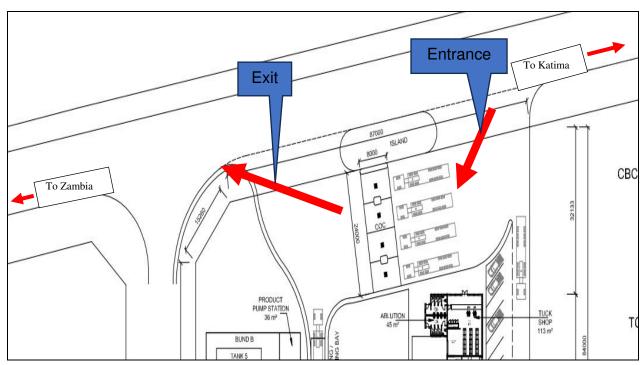


Figure 4: Plan showing the proposed Access from Main Road B8

See below photo showing the locality of the proposed access from Main Road B8:

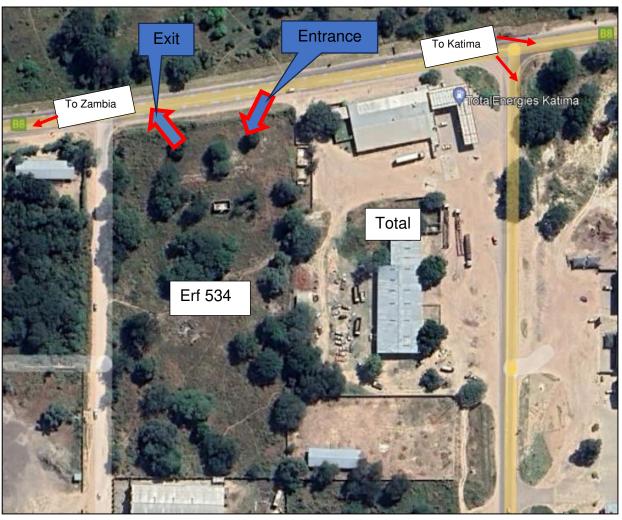


Figure 5: Photo showing locality of proposed access from Main Road B8

The access from the unnamed internal street is shown on the plan below:

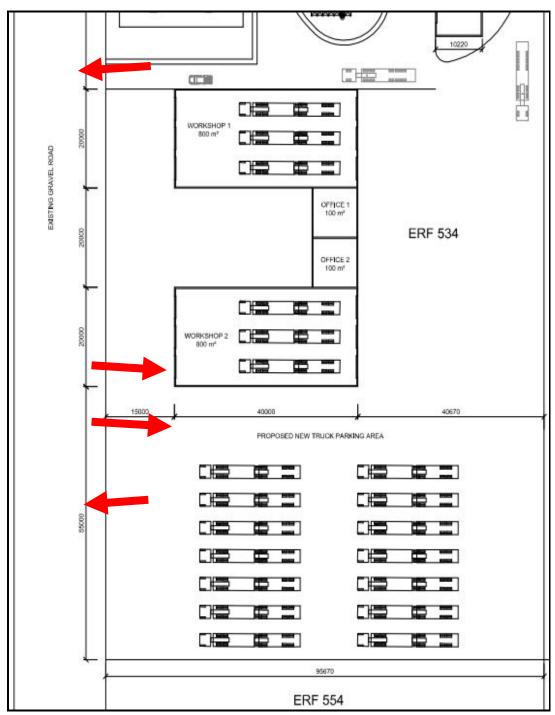
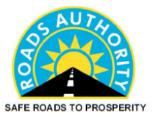


Figure 6: Plan showing access from the unnamed internal street

To formalise the proposed accesses from Main Road B8, the comments of Roads Authority must be obtained. The construction of this access will be subject to Roads Authority approval. See copy of application form submitted to the Roads Authority below:



APPLICATION FOR AN ACCESS POINT

To be completed by the applicant:

We, Bachmus Oil & Fuel Supplies (Proprietary) Limited, the registered owner of Erf 534, Katima Mulilo Extension 2, herewith wish to apply for an access onto Main Road B8. It is understood that the cost for the construction of the access will be to my/our account.

Full name and number of farm (state portion/subdivision):

Name: Erf 534, Katima Mulilo (Extension 2), Zambezi Region (See attached a copy of title deed and diagram of the Erf).

Applicant's name:

Du Toit Town Planning Consultants PO Box 6871 Ausspannplatz WINDHOEK

Tel No. 061 -248010 Cell No. 081 127 3145 E-mail. charlie@dutoitplan.com

State for what purpose the access is required:

- It is the intention to construct and operate a new service station consisting of a warehouse, tank farm and customer own collection fuel and lubricant depot on Erf 534, Katima Mulilo Extension 2.
- Permission is required to access the Erf 534, Katima Mulilo, Extension 2 from Main Road B8



Figure 7: Letter to Roads Authority

5.2.WATER SUPPLY

The site will obtain water from the existing water reticulation network of the town. The Erf is already connected to the Town's water supply network.

5.3. ELECTRICITY

Electricity to the site will be obtained from Nored. The Erf is already connected to the Nored electricity supply network.

5.4.SEWAGE DISPOSAL

Only normal household sewer will be generated on site. The structures on site will link up with the existing sewer network of the town.

5.5.SOLID WASTE

Building waste generated during site preparation and construction must be removed by the contractor and disposed of at an approved building rubble site. Other waste generated during the normal operations of the site will be sorted and stored on site to be collected under the normal waste collection and management program.

The Proponent intends to appoint and contract specialist waste managers to collect and dispose of the waste generated on the site. The proponent must ensure that the subcontractors comply with the applicable Namibian Legislation, Policies and Practices.

5.6.FIRE PROTECTION

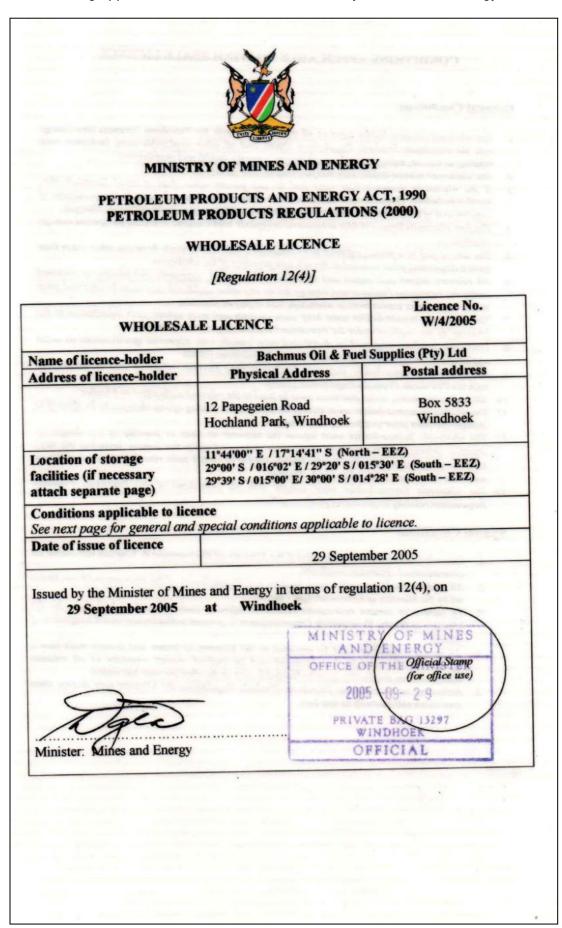
The Proponent will put in the necessary fire protection infrastructure / extinguishers as per requirements. It is advised that a specialist Fire Protection Specialist is contracted to introduce a proper fire protection plan with the required infrastructure and to oversee the annual auditing and maintenance of the infrastructure.

5.7.STORMWATER

The natural flow of storm water and drainage must be minimally disturbed, and the natural flow accommodated where possible. The architect and project engineer must design and construct the structures to accommodate surface water/stormwater and ensure that it does not endanger neighbouring structures.

6. APPROVAL ALREADY OBTAINED

The following approval was obtained from the Ministry of Mines and Energy:



CONDITIONS APPLICABLE TO WHOLESALE LICENCE

General Conditions

- 1. The wholesale licence-holder must at all times comply with the Petroleum Products and Energy Act, the Petroleum Products Regulations (2000) and all other applicable laws, including laws relating to labour, safety, hazardous substances, security, health and environment.
- The wholesale licence-holder may sell fuel only in bulk quantities.
- 3. If the wholesale licence-holder sells fuel to any person other than a retail licence-holder, certificate-holder, Government institution, local authority or regional council, the provisions of regulation 8 of the Petroleum Products Regulations (2000), apply with the necessary changes.
- The fuel wholesale licence holder is required to register with Customs & Excise for special storage warehouses.
- The sale of fuel to a person referred to in condition 3 may not be made from any other place than from a dispensing point situated at the relevant premises of the wholesaler.
- 6. All relevant import and export and wholesale sale, of fuel, approvals and permits as required under the Petroleum Products and Energy Act or any other applicable law must be obtained prior to any import into, export from or wholesale sale of fuel in Namibia.
- The wholesale licence-holder must keep such records and must submit such information to the Minister as are required under the Petroleum Products Regulations (2000).
- Petroleum products imported or distributed must comply with approved specifications as made applicable by or under the Petroleum Products Regulations (2000).
- The wholesale licence-holder may not abandon storage facilities otherwise than in accordance with the Petroleum Products Regulations (2000).
- 10. All applicable duties, levies and taxes must be paid to the relevant authorities and bodies.
- 11. The wholesale licence-holder must inform the Minister in writing of any changes to be effected to storage facilities prior to effecting such changes.
- 12. The wholesale licence-holder must inform the Minister as soon as possible of any dangerous situation arising from the conduct of activities authorised under the licence, including the steps taken or proposed to be taken by the licence-holder to rectify such situation or to eliminate or minimise the danger arising from such situation.
- 13. The wholesale licence-holder must comply with all provisions of the Petroleum Products Regulations relating to petroleum product spills.

Special Conditions

- 1. This wholesale licence is only valid if the Ministry of Environment & Tourism has issued an environmental clearance certificate.
- All offshore bunker transfers must be done in full compliance of the environmental conditions set by the Ministry of Environment & Tourism.
- To adhere to certain restrictions related to offshore bunker transfers laid down by the Ministry of Works, Transport & Communication to prevent pollution and avoid congestion of vessels.
- All volumes bunkered must be reported to the Ministry of Mines and Energy each time a offshore bunker transfer has occurred and an audited annual summary of all volumes bunkered from this facility must be handed in two weeks after the year has ended.
- 5. According to the amended Petroleum Products Regulations the Minister may change these conditions retroactively at any time

7. 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 portion 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 (16 and 23 May 2023) inviting public participation and comments on the proposed project. The closing date for any questions, comments, inputs or information was 2 June 2023. No objections and / or comments were received.

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.

8. ASSUMPTIONS AND LIMITATIONS

It is assumed that the information provided by the proponent (Bachmus Oil & Fuel Supplies) is accurate. No alternative erven / site 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.

9. 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 Katima Mulilo Town Planning Scheme
- 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, Rent-A-Drum (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:

ENERGY GENERATION, TRANSMISSION AND STORAGE ACTIVITIES

- The construction of facilities for the refining of gas, oil and petroleum products.

HAZARDOUS SUBSTANCE TREATMENT, HANDLING AND STORAGE

- The storage and handling of dangerous goods, including petrol, diesel, liquid petroleum gas or paraffin, in containers with a combined capacity of more than 30 cubic meters at any one location.
- Construction of filling stations or any other facility for the underground and aboveground storage of dangerous goods, including petrol, diesel, liquid, petroleum, gas or paraffin.

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

The proposed activity will fit in with the surrounding activities and not have a negative impact on the prevailing environment. It will be ensured that all protected trees and plant species will be retained where possible.

THE KATIMA MULILO TOWN PLANNING SCHEME AND THE LOCAL AUTHORITIES ACT (No. 23 OF 1992)

The Katima Mulilo Town Planning Scheme (approved 15/12/2006) applies to the area as indicated on the scheme maps and corresponds with the Townlands Diagram for Katima Mulilo Town and Townlands. Erf 534, Katima Mulilo falls within the area of the Scheme.

The general purpose of this Scheme is to create an environment to better the socioeconomic standard of residents and promote the coordinated and harmonious development of the area of Katima Mulilo including, where necessary, the reconstruction and redevelopment of any part which has already been subdivided whether there are buildings on it or not 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.

The erf is zoned 'general industrial' as per the stipulations of the Katima Mulilo Town Planning Scheme. See extract from Scheme below:

	ZONE	MAP REFERENCE	PRIMARY USE (purposes for which land may be used)	CONSENT USE (purpose for which land may be used and building may be erected and use with the special consent of the council only)
G	Light Industrial	Purple hatch (45° right)	Service industry,	Place of assembly, Public garage, Funeral parlour, Place of instruction, Shop, Business building, Gambling house, Shebeen, Dwelling unit
Н	General Industrial	Red-purple fill	Scrap yard, Car wash,	Business buildings, Place of Instruction, Panel beating, Noxious industry, Place of assembly, Shebeen, Gambling house, Dwelling unit

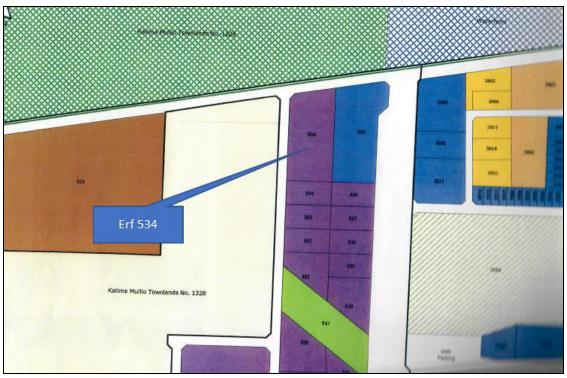


Figure 8: Zoning Map of Erf 534, Katima Mulilo

CONCLUSION AND IMPACT

The intended uses (warehousing and service station) are allowed under the Town Planning Scheme provisions subject to obtaining the ECC.

OTHER LAWS, ACTS, REGULATIONS AND POLICIES

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

Table 1: Laws. Acts, Regulations and Policies

	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 (quideline reference to the mining, Parts 2, 7 and 8 apply. Part 2 provides that only) no person shall discharge or cause to be discharged, any pollutant to the air from a process except under and in accordance with the provisions of an air pollution license issued under section 23. Part 2 also further provides for procedures to be followed in license application, fees to be paid and required terms of conditions for air pollution licenses. Part 7 states that any who sells. stores. person transports or uses any hazardous substances or products containing hazardous substances shall notify the competent authority, 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 substances notified 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 2013) stipulates conditions that Management 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 surface prevention of 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 Substances Ordinance (No. 14 of 1974)	The Ordinance applies to the manufacture, sale, use, disposal and dumping of hazardous substances, as well as their import and export and is administered by the Minister of Health and Social Welfare. Its primary purpose is to prevent hazardous substances from causing injury, ill-health or the death of human beings.	The Proponent must abide to the Ordinance's provisions.
Atmospheric Pollution Prevention Ordinance of Namibia (No. 11 of 1976)	Part 2 of the Ordinance governs the control of noxious or offensive gases. The Ordinance prohibits anyone from carrying on a scheduled process without a registration certificate in a controlled area. The registration certificate must be issued if it can be demonstrated that the best practical means are being adopted for preventing or reducing the escape into the atmosphere of noxious or offensive gases produced by the scheduled process.	The proponent should adhere to the stipulations of the Atmospheric Pollution Prevention Ordinance.
Nature Conservation Ordinance	The Nature Conservation Ordinance (No. 4 of 1975) covers game parks and nature reserves, the hunting and protection of wild animals, problem animals, fish and indigenous plant species. The Ministry of Environment, Forestry and Tourism (MEFT) administer it and provides for the establishment of the Nature Conservation Board.	The proposed project implementation is not located in a demarcated conservation area, national park or unique environments.
Forestry Act	The Forestry Act (No. 12 of 2001) specifies that there be a general protection of the receiving and surrounding environment. The protection of natural vegetation is of great importance, the Forestry Act especially stipulates that no living tree, bush, shrub or indigenous plants within 100m from any river, stream or watercourse, may be removed without the necessary license.	No removal of protected tree species or removal of mature trees should happen. The Ministry of Environment, Forestry and Tourism should be consulted when required.
EU Timber	Forest Stewardship Council (FSC)	The Proponent is advised to

Regulation: FSC (2013)	came into effect in March 2013, with the aim of preventing sales of illegal timber and timber products in the EU market. Now, any actor who places timber or timber products on the market for the first time must ensure that the timber used has been legally harvested and, where applicable, exported legally from the country of harvest.	adhere to the regulation.
Labour Act	The Labour Act (No. 11 of 2007) contains regulations relating to the Health, Safety and Welfare of employees at work. These regulations are prescribed for 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 Labour Act 6 of 1992 (GN156, GG1617 of 1 August 1997).	The proponent and contractor should adhere to the Labour Act.
Communal Land Rights	Communal land is land that belongs to the State and is held in trust for the benefit of the traditional communities living in those areas. Communal land cannot be bought or sold, but one can be given a customary land right or right of leasehold to a part of communal land in accordance with the provisions of the Communal Land Reform Act (No. 5 of 2002) and Communal Land Reform Amendment Act (No. 13 of 2013). The Communal Land Reform Act provide for the allocation of rights in respect of communal land to establish Communal Land Boards to provide for the powers of Chiefs and Traditional Authorities and boards in relation to communal land and to make provision for incidental matters. Consent and access to land for the proposed project should be requested from the relevant traditional authority through the Regional Council and Regional Communal Land Boards.	Consent should be obtained from Traditional Authorities, Communal Boards, Chiefs, Kings, Queens etc. if required.
Traditional	The Traditional Authorities Act	Traditional Authorities should

Authorities	(No. 17 of 1995) provide for the	he consulted when required
Authorities Act (No. 17 of 1995) Public and Environmental Health Act	(No. 17 of 1995) provide for the establishment of traditional authorities, the designation and recognition of traditional leaders; to define their functions, duties and powers; and to provide for matters incidental thereto. The Public and Environmental Health Act (No. 1 of 2015) provides with respect to matters of public health in Namibia. The objects of this Act are to: (a) promote public health and wellbeing; (b) prevent injuries, diseases and disabilities; (c)	The proponent and contractor should adhere to the Public and Environmental Health Act.
	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.	
Coronavirus (Covid-19) Pandemic	The current global Coronavirus (Covid-19) pandemic and the associated State of Emergency and health restrictions globally may result in some delays and logistic disruptions. The pandemic might have an impact on obtaining equipment, specialist workforce mobilisation and implementation of the project. The health restrictions may have an impact on campsite set-up, traveling of personal/workers and building of the infrastructure. The proponent, contractor and subcontractors should adhere to all the international, regional and local Covid-19 health restrictions and protocols.	The proponent, contractor and workforce should adhere to the restrictions and regulations.
National Heritage Act (No. 27 of 2004)	All protected heritage resources discovered need to be reported 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 National Heritage Council should be consulted when required.
National Monuments Act of Namibia (No.	No person shall destroy, damage, excavate, alter, remove from its original site or export from Namibia:	The proposed site for development is not within any known monument site both movable or immovable as

28 of 1969) as (a) any meteorite or fossil; or specified in the Act, however amended until (b) any drawing or painting on in such an instance that any 1979 stone or a petroglyph known or material or sites commonly believed to have been archeologic importance are executed by any people who identified, it will the be inhabited or visited Namibia before responsibility of the developer the year 1900 AD; or to take the required route and (c) any implement, ornament or notify the relevant structure known or commonly commission. believed to have been used as a mace, used or erected by people referred to in paragraph; or (d) the anthropological 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 object; except under the authority of and in accordance with a permit issued under this section. Public Health Under this act, in section 119: "No The proponent will ensure Act (No. 36 of person shall cause a nuisance or that all legal requirements of 1919) shall suffer to exist on any land or the project in relation premises owned or occupied by protection of the health of him or of which he is in charge any their employees and nuisance or other condition liable surrounding residents to be injurious or dangerous to protected and will be included health." 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 future residents on this piece of land. Soil The objectives 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 soil erosion; from vegetation to ensure the 1969) Promote the conservation. minimum impact on the soil protection and improvement 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.

	regulating air quality monitoring, management and control by all spheres of government; for specific air quality measures; and for matters incidental thereto.	
Vision 2030 and National Development Plans	Namibia's overall development ambitions are articulated in the Nation's 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. Currently the Government has so far launched a 4th NDP which pursues three overarching goals for the Namibian nation: high and sustained economic growth; increased income equality; and employment creation.	The proposed project is an important element in employment creation.

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.

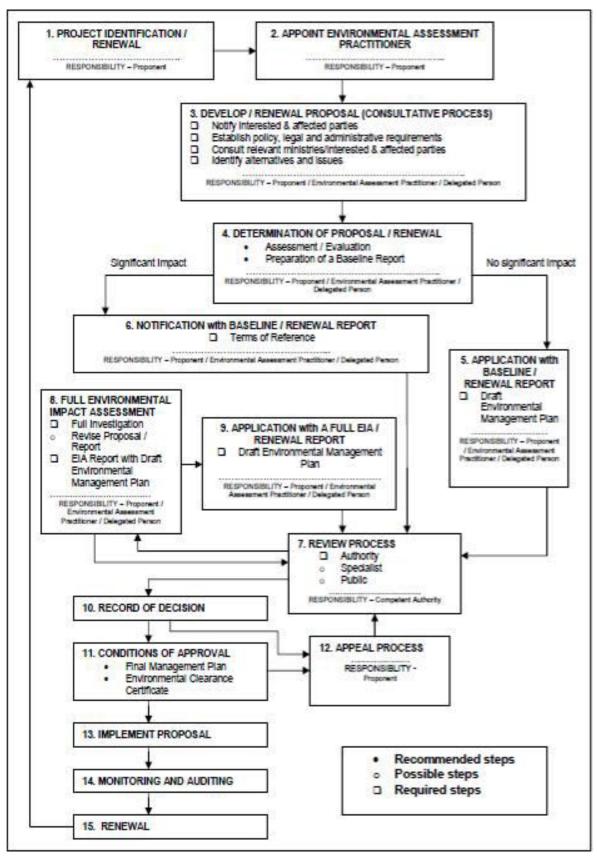


Figure 9: Flowchart of the Impact Process

10. AFFECTED RECEIVING ENVIRONMENT

10.1. BIODIVERSITY AND VEGETATION

Erf 534, Katima Mulilo is located in the Tree and Scrub Savannah Biome which is characterized by woodland vegetation structure type with extremely high green vegetation biomass. However, the project site is located in the build-up area which means that it has been cleared of some vegetation and is thus showing evidence of human inference namely informal tracks, lacking vegetation and gravel roads.

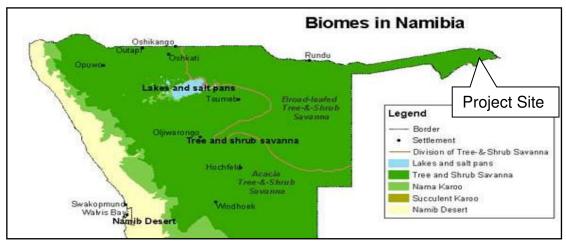


Figure 10: Biomes in Namibia (Atlas of Namibia, 2002)

The proposed construction and operation are expected to have a low impact on the natural environment. There are a few large trees on the site that will not be removed in the construction process. The trees will be incorporated in the layout. See below image of the trees:



Figure 11: Trees on the Project Site

CONCLUSION AND IMPACT

The activities will have a low impact on vegetation, shrubs and trees.

10.2. GEOLOGY AND SOILS

The surface geology of the area consists of formations of the Kalahari Group which has a thickness of up to 30m in the study area. Within the Kalahari Group the following six lithological classifications are recognized: Duricrusts, Kalahari sand, Alluvium and lacustrine deposits, Sandstone, Marl, Basal conglomerate and gravel.

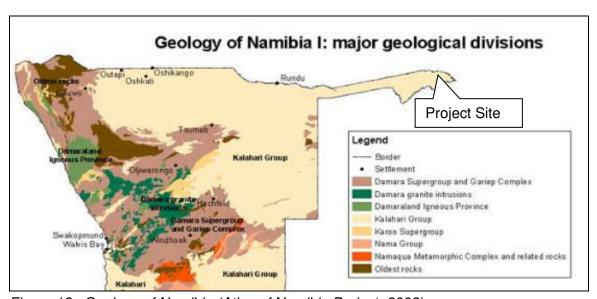


Figure 12: Geology of Namibia (Atlas of Namibia Project, 2002)

CONCLUSION AND IMPACT

The activities will not impact on the geology, soils and geohydrology of the area. The surface drainage canals will be kept open in order that water can flow through.

10.3. SOCIO ECONOMIC ENVIRONMENT

A large section of the town's economy relies on the service industry providing services to long distance transporters, tourists traveling through the Town to destinations outside and inside Namibia, the farming community (crop, cattle, sheep and goat farming), over border trading from neighbouring countries like Zambia, Botswana and Angola which includes grocery stores, banks, schools, hospitals and other service industries. Katima Mulilo will benefit from more employment opportunities, skills and technology transfer during construction and operations of the development. The spending power of locals is likely to increase because of employment during the construction and operational phase.

The area where Erf 534, Katima Mulilo is located has already been partially developed and is serviced with bulk services. The buildings erected in this area are

mainly used for warehousing, business, retail and residential purposes. The proposed development will not have a negative impact on the social environment as it is in line with the current uses in this area. It will thus have a positive impact on the social environment. The socio-economic characteristics of the area are continuously changing as more economic activities are established within the area.

CONCLUSION AND IMPACT

The activities will have a positive impact on the community since employment will be created.

10.4. CLIMATE

The Caprivi belongs to the tropical climate zone and receives high rainfalls during the rainy season (December to March). High humidity is most often experienced in this region. The Caprivi is the wettest region in Namibia with its high annual rainfall of ± 700 mm. Rainfall however can also be variable and drought years are common. The majority of rain appears in summer especially between January and February. The hottest months in Katima Mulilo are September, October and November with temperatures of 30° C. The prevailing wind in the area is southeast and eastern winds. The prevailing wind direction is expected to prevent the spread of any nuisance namely noise and smell. Strong winds during certain times of the year may aggravate dust impacts during the construction phase.

CONCLUSION AND IMPACT

The activities will not have an impact on the climate.

10.5. 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.

CONCLUSION AND IMPACT

No heritage resources or graveyards were observed on the site or in the area.

10.6. SENSE OF PLACE

Erf 534, Katima Mulilo is located inside the already established industrial area of the town. The site is also situated in reaching distance to bulk infrastructural networks consisting of roads and electricity. The proposed activities will not have a negative impact on the sense of place in the area. An untidy or badly managed site can detract from the ecological well-being and individuality of the area. Unnecessary disturbance to the surroundings could be caused by poorly planned or poorly

managed operational activities. The project site should be kept neat and clean where possible. Vegetation should not be removed or harmed if not necessary since it covers topsoil which prevents erosion. Noise and dust should be limited in the construction phase because of the neighbouring industrial and business activities.

CONCLUSION AND IMPACT

The impact on the sense of place will be low.

10.7. **HEALTH**

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). A health and safety officer are employed to manage, coordinate and monitor risk and hazard and report all health and safety related issues in the workplace. The introduction of external workers into the area is sometimes accompanied with criminal activities posing security risks for neighbours. However, the proponent will take certain measures to prevent any activity of this sort. The welfare and quality of life of the neighbours and workforce needs to be considered for the project to be a success on its environmental performance. Conversely, the process should not affect the overall health of persons related to the project including the neighbours.

CONCLUSION AND IMPACT

The proposed activities will have a low impact on the health of the community.

11. IMPACT ASSESSMENT AND EVALUATION

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

Table 2: Impact Evaluation Criterion (DEAT 2006)

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

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:

11.1. IMPACTS DURING THE CONSTRUCTION ACTIVITY

Some of the impacts that the project will have on the environment includes water will be used for the construction and operation activities, electricity will be used, a sewer system will be constructed and wastewater will be produced on the site that will have to be handled.

11.1.1. WATER USAGE

Water is a scarce resource in Namibia and therefore water usage should be monitored and limited in order to prevent unnecessary wastage. The proposed project might make use of water in its construction phase and operations.

Impact Evaluation

Aspe ct	Impact Type	Scale	Duration	Magnitude	Probability	Signific	ance
	,,,,					Unmitigated	Mitigated
Water	-	2	2	4	2	М	L

11.1.2. ECOLOGICAL IMPACTS

The proposed infrastructure will be constructed in a semi disturbed natural area which is partly covered with vegetation. Special care should be taken to limit the destruction or damage of the vegetation. However, impacts on fauna and flora are expected to be minimal. Disturbance of areas outside the designated working zone is not allowed.

Impact Evaluation

Aspect	Impact Type	Scale	Duration	Magnitude	Probability	Signific	ance
	,,					Unmitigated	Mitigated
Ecology	-	1	2	4	2	М	L

11.1.3. DUST POLLUTION AND AIR QUALITY

Dust generated during the transportation of building materials; construction and installation of bulk services, and problems thereof are expected to be low and site specific. Dust is expected to be worse during the winter months when strong winds occur. Release of various particulates from the site during the construction phase and exhaust fumes from vehicles and machinery related to the construction of bulk services are also expected to take place. Dust is regarded as a nuisance as it reduces visibility, affects the human health and retards plant growth. It is recommended that regular dust suppression be included in the construction activities, when dust becomes an issue.

Impact evaluation

Aspect	Impact Type	Scale	Duration	Magnitude	Probability	Signific	ance
	7.					Unmitigated	Mitigated
Dust & Air Quality	-	2	2	2	2	М	L

11.1.4. NOISE IMPACT

An increase of ambient noise levels at the proposed site is expected due to the construction activities. Noise pollution due to heavy-duty equipment and machinery might be generated. It is not expected that the noise generated during construction will impact any third parties due to the distance of the neighbouring activities. Ensure all mufflers on vehicles are in full operational order; and any audio equipment should not be played at levels considered intrusive by others. The construction staff should be equipped with ear protection equipment.

Aspect	Impact Type	Scale	Duration	Magnitude	Probability	Signific	ance
	,,,,					Unmitigated	Mitigated
Noise	-	2	1	4	2	М	L

11.1.5. HEALTH, SAFETY AND SECURITY

The safety, security and health of the labour force, employees and general public 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). A health and safety officer should be employed to manage, coordinate and monitor risk and hazard and report all health and safety related issues in the workplace.

Safety issues could arise from the earthmoving equipment and tools that will be used on site during the construction phase. This increases the possibility of injuries and the contractor must ensure that all staff members are made aware of the potential risks of injuries on site. The presence of equipment lying around on site may also encourage criminal activities (theft).

Sensitize operators of earthmoving equipment and tools to switch off engines of vehicles or machinery not being used. The contractor is advised to ensure that the team is equipped with first aid kits and that these are available on site, at all times. Workers should be equipped with adequate personal protective gear and properly trained in first aid and safety awareness.

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. Proper barricading and/or fencing around the site especially trenches for pipes and drains should be erected to avoid entrance of animals and/or unauthorized persons. Safety regulatory signs should be placed at strategic locations to ensure awareness. Adequate lighting within and around the construction locations should be erected, when visibility becomes an issue.

Impact evaluation

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

11.1.6. CONTAMINATION OF GROUNDWATER

Care must be taken to avoid contamination of soil and groundwater. Use drip trays when doing maintenance on machinery. Maintenance should be done on dedicated areas with linings or concrete flooring. The risk can be lowered further through

proper training of staff. All spills must be cleaned up immediately. Excavations should be backfilled and sealed with appropriate material, if it is not to be used further.

Impact Evaluation

Aspect	Impact Type	Scale	Duration	Magnitude	Probability	Signif	icance
	71					Unmitigated	Mitigated
Groundwater	-	2	2	2	2	М	L

11.1.7. SEDIMENTATION AND EROSION

Vegetation is stabilizing the area against wind and water erosion. Vegetation clearance and creation of impermeable surfaces could result in erosion in areas across the proposed area. The clearance of vegetation will further reduce the capacity of the land surface to slow down the flow of surface water, thus decreasing infiltration, and increasing both the quantity and velocity of surface water runoff. The proposed construction activities will increase the number of impermeable surfaces and therefore decrease the amount of groundwater infiltration. As a result, the amount of storm water during rainfall events could increase. If proper storm water management measures are not implemented this will impact negatively on the water courses close to the site.

Impact Evaluation

Aspect	Impact Type	Scale	Duration	Magnitude	Probability	Signific	cance
	,,					Unmitigated	Mitigated
Erosion and Sedimentation	-	1	2	4	2	М	L

11.1.8. GENERATION OF WASTE

This can be in a form of rubble, cement bags, pipe and electrical wire cuttings. The waste should be gathered and stored in enclosed containers to prevent it from being blown away by the wind. Contaminated soil due to oil leakages, lubricants and grease from the construction equipment and machinery may also be generated during the construction phase.

The oil leakages, lubricants and grease must be addressed. Contaminated soil must be removed and disposed of at a hazardous waste landfill. The contractor must provide containers on-site, to store any hazardous waste produced. Regular inspection and housekeeping procedure monitoring should be maintained by the contractor.

Aspect	Impact Type	Scale	Duration	Magnitude	Probability	Signific	ance
	,,,,					Unmitigated	Mitigated
Waste	-	1	2	4	2	М	L

11.1.9. CONTAMINATION OF SURFACE WATER

Contamination of surface water might occur through oil leakages, lubricants and grease from the equipment and machinery during the installation, construction and maintenance of bulk services at the site. Oil spills may form a film on water surfaces in the nearby streams causing physical damage to water-borne organisms.

Machinery should not be serviced at the construction site to avoid spills. All spills should be cleaned up as soon as possible. Hydrocarbon contaminated clothing or equipment should not be washed within 25m of any surface water body.

Impact Evaluation

Aspect	Impact Type	Scale	Duration	Magnitude	Probability	Signific	ance
						Unmitigated	Mitigated
Surface water	-	2	2	4	3	М	L

11.1.10. TRAFFIC AND ROAD SAFETY

All drivers of delivery vehicles and construction machinery should have the necessary driver's licenses and documents to operate these machines. Speed limit warning signs must be erected to minimise accidents. Heavy-duty vehicles and machinery must be tagged with reflective signs or tapes to maximize visibility and avoid accidents.

Impact Evaluation

Aspect	Impact Type	Scale	Duration	Magnitude	Probability	Signific	ance
	,,					Unmitigated	Mitigated
Traffic	-	2	2	4	3	М	L

11.1.11. FIRES AND EXPLOSIONS

There should be sufficient water available for firefighting purposes. Ensure that all fire-fighting devices are in good working order and they 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.

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

11.1.12. SENSE OF PLACE

The placement, design and construction of the proposed infrastructure should be as such as to have the least possible impact on the natural environment. The proposed activities will not have a large/negative impact on the sense of place in the area since it will be constructed in a manner that will not affect the neighbouring erven / portions and it will not be visually unpleasing.

Impact Evaluation

Aspect	Impact Type	Scale	Duration	Magnitude	Probability	Significance	
						Unmitigated	Mitigated
Nuisance Pollution	-	1	1	2	2	L	L

11.2. IMPACTS DURING THE OPERATIONAL PHASE

11.2.1. 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	М	L

11.2.2. 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.

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

11.2.3. 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 exits.

Impact Evaluation

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

11.2.4. 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

11.2.5. 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.

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

11.2.6. FIRES AND EXPLOSIONS

Food will be prepared on gas fired 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 Explosion s	-	2	1	4	2	М	L

11.2.7. 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

11.3. 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

12. 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.

13. 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 534, Katima Mulilo Extension 2, Zambezi Region 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 construction and 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 construction and 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.

14. RECOMMENDATION

It is therefore recommended that the Ministry of Environment, Forestry and Tourism through the Environmental Commissioner support and approve the Environmental Clearance for fuel storage and handling facilities on Erf 534, Katima Mulilo Extension 2, Zambezi Region and to issue an Environmental Clearance for the following 'Listed Activities':

ENERGY GENERATION, TRANSMISSION AND STORAGE ACTIVITIES

- The construction of facilities for the refining of gas, oil and petroleum products.

HAZARDOUS SUBSTANCE TREATMENT, HANDLING AND STORAGE

- The storage and handling of dangerous goods, including petrol, diesel, liquid petroleum gas or paraffin, in containers with a combined capacity of more than 30 cubic meters at any one location.
- Construction of filling stations or any other facility for the underground and aboveground storage of dangerous goods, including petrol, diesel, liquid, petroleum, gas or paraffin.

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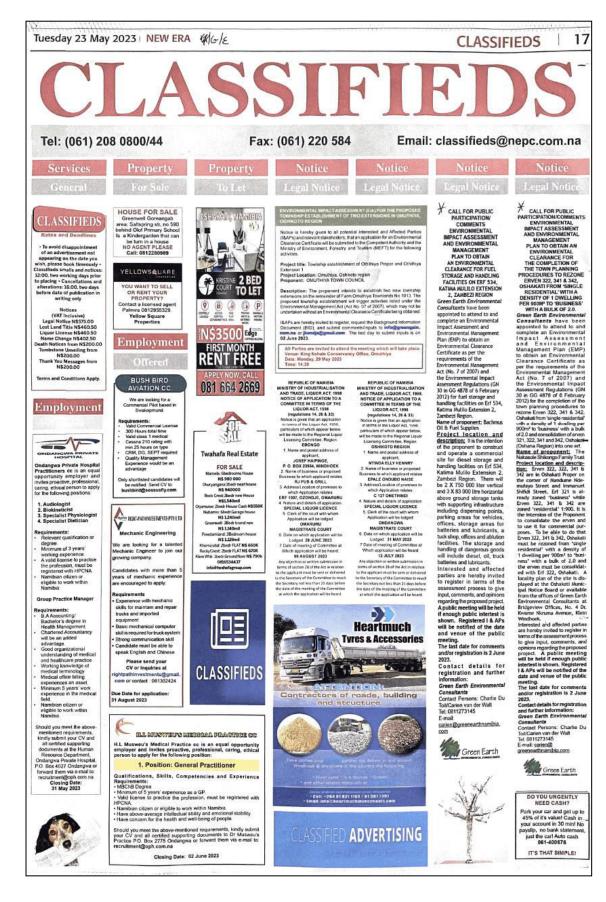
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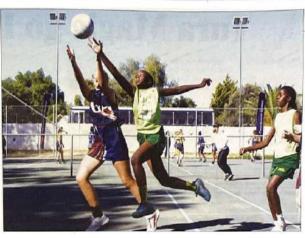
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FULL STRETCH ..

ABG/E

A scene from the u13 match between Walvis Bay Private School and Gobabis Gymnasium that the former won 27-7.

Photo: Heige Schütz



Strong start by Windhoek Gymnasium

HELGE SCHÜTZ

WINDHOEK Gymnasium got off to a strong start when the Capri-corn Group Schools Netball League kicked

offwith matches at the Gymnasium are leadwanderers courts on Saturday.

A total of 690 players representing 69 and Walvis Bay Private to go to the top of the

teams from 24 schools are participating in the category each.
In the u19 category each and 13 private schools and 13 private schools.
After the first round of action, Windhook (Gymosium are lead, the loss.

matches. Windhoek Gymnasium and WHS are the early pace-set-ters in the u17 category on 12 points each, after they both won their opening four matches. Windhoek Gymna-

sium lead WHS on goal difference, while Edugate, Ella du Plessis and WAP all follow on

nine points each. Windhoek Gymna-sium and WHS also top the log in the u1.5 category on nine points? each after they both on their opening three

matches. Windhoek Gymnasiium, however, have a far superior goal aggregate of +100 compared to WHS' +46.

They are followed by Moria, WAP and Windhock Gymnasium's sec-ond teams, who are all on six points each.

Windhock Gymnasium also lead the u14 log on nine points after winning their opening

three matches. WHS, who lost 25-14 to Windhock Gym-nasium, are second-on six points, while Okahandja Secondary School and WAP must both still open their

Walvis Bay Private School and Windhoek Gymnasium are the

Gymnasium are the early pace-setters in the ul3 entegory.
They are on 12 points each after both won their opening four matches, but Walvis Bay lead the log with a +94 goal aggregate compared to Windhoek Gymnasium's aggregate of +61.
Eros Primary School are third on nine points.

are third on nine points.

Windhoek Gymnawindnock Gymna-sium lead the u12 cat-egory on six points after, winning their open-ing two matches, with Parkies lying second on three points



First date of publication: 28 April 2023

DBMNEO481 - OPEN MARKET ISPOT) FUEL BUNKERING SERVICES TO DEBMARINE NAMISIA FLEET - OFFSHORE AND IN-PORT

mibis seeks the services of experienced Service Providers with the technical and commercial capability to provide affichere bunkering services and associated legistics on a spot besis for the period of 1 August 2023 to 1 October

The Bidders shall be required to provide the services to Debranine Namitra's fleet of seven vessels and/or any other vechantered or cered by the Company.

BEELEPCATION:
1. Teniber capselty arministum 5000 MT.
2. Del Tarein.
2. Del Tarein.
3. Centified 4-set trumber hose with a dry times eyeck coupler. Tenber should be able to deliver a manimum of 200 mG/hour.
4. Supply of Manne Class Oil MCROS/EMA as per specifications in ISO ISE217, 2011.
5. MIDD supplied to be compilant as per MMPCII. Annexere VI. Bulphur confernt must be less than 500 ppers.

MANDATORY DOCUMENTS TO BE SUBMITTED

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CLOSING DATE:

Registered businesses interested in providing such services are requested to submit the business profites with reference number DBMNEO481-0PEN MARKET (SPOT) FUEL BUNKERING SERVICES TO DBMN FLEET - OFFSHORE AND IN-PORT by 9 June 2023 at 12H00.

Email Address: <u>Durkening Jenderückberin grud som</u> in PDF <u>Sebect line</u>: DBMNED481 - OPEN MARKET (SPOT) FUEL BUNKERING SERVICES TO DBMN FLEET – OFFSHORE AND IN-PORT

SUBMIT ELECTRONIC DOCUMENT

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DISCLAMBITE
District Principles shall not be responsible for any costs lequined in the proposition and submission of a response to this Expression of Interest and furthermore reserves the right not to extend this Expression of Interest Into any future tenders, indicatellors and our engagements.

Determine harmbold will not cooper submissions rendered after the closing data and time.



DEBMARINE

Tel: (061) 208 0800/44 Fax: (061) 220 584 Email: classifieds@nepc.com.na

18

CALL FOR PUBLIC PARTICIPATION COMMENTS ENVIRONMENTAL IMPACT ASSESSMENT AND ENVIRONMENTAL MANAGEMENT PLAN TO OBTAIN AN ENVIRONMENTAL AN ENVIRONMENTAL
CLEARANCE FOR FUEL
STORAGE AND HANDLING
FACILITIES ON ERF 534,
KATIMA MULLIO EXTENSION
2, ZAMBEZI REGION
Green Earth Environmental
Consultants have been
appointed to attend to and
complete an Environmental
Impact Assessment and
Environmental Management Impact Assessment and Environmental Manager Plan (EMP) to obtain an Environmental Clearant Certificate as per the requirements of the Environmental Manager representation of the Environmental Management Act (No. 7 or 2007) and the Environmental Impact Assessment Regulations (SM 30 in G6 4878 of 6 February 2012) for fuel Storage and handing facilities on Erf 534, Katima Muklio Extension 2, Zambezi Region, Alme of proponent; Bachmus Oli, & Fuel Supplies

Name of proponent; bachmus Ott & Fuel Supplies
Project. I Ocation and describtion; it is the intervious of the proposent to construct and operate a commercial site for diseal storage and heading facilities on eff 584. Kalimas Multio Extension 2. A commercial site for diseal storage and heading facilities on eff 584. Kalimas Multio Extension 2. A commercial site for diseal storage and body ground storage tanks with supporting infrastructure including dispensing points, parking areas for vehicles, offices, storage areas for batteries and fubricants, a fuck shop, offices and abution facilities. The storage and handing of dangerous goods will include diseast, oil, truch butters and handing of dangerous goods will include diseast, oil, truch butters of the further storage and heading of dangerous goods will include diseast, oil, truch butters of the truck of the storage and heading of dangerous goods will include diseast, oil, truch butters and process to give input comments, and opinions regarding the proposed project. A bublic meeting will be held.

assessment process to give input, comments, and opinions regarding the proposed project. A public meeting will be held if enough public intertest is shown. Registered I & APS will be notified of the date and venue of the public

meeting. The last date for comments and/or registration is 2 June

and/or registration is 2 June 2023. Contact details for registration and further information: Information: Green Earth Environmental Consultants

Consultants
Contact Persons Charlie Du
Toit/Carien van der Walt
Tel: 0811273145
E-mail:
carien@gmenearthnambio.com





CALL FOR PUBLIC ACALL FOR PUBLIC PARTICIPATION ICOMMENTAL IMPACT ASSESSMENT AND ENVIRONMENTAL MANAGEMENT PLAN TO OBTAIN AND ENVIRONMENTAL CLEARANCE FOR THE COMPLETION OF THE COMPLETION OF THE COMPLETION FOR THE TOWN PLANNING PROCEDURES TO REZON ENVIRONMENTAL CLEARANCE FOR THE COMPLETION OF THE TOWN PLANNING PROCEDURES TO REZON ENVIRONMENTAL STATEMENT OF THE TOWN PLANNING PROCEDURES TO REZON ENVIRONMENTAL STATEMENT OF THE TOWN PLANNING PROCEDURES TO THE TOWN PLANNING PROCEDURE TO TH

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Nakasole Shikonoo Family Trust

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Bridgeview Offices, No. 4 Dr. Kwame Nkruma Avenue, Klein Kwame Nisruma Avenue, Klein Windhoek. Interested and affected parties are hereby invited to register in terms of the assessment process to give input, comments, and opinions regarding the proposed project. A public meeting will be held if enough public districts its known. Replicators of the chown. Replicators of the chown.

meeting.
The last date for comments and/or registration is 2 June

2023.
Contact details for registration and further information:
Green Earth Environmental Consultants
Contact Persons: Charlie Du
Toil/Carien van der Walt
Tel: 0811273145 al: carien@ nearthnambia.com



Legal Notices

CALL FOR PUBLIC PARTICIPATION ENVIRONMENTAL IMPACT ASSESSMENT FOR MINERAL EXPLORATION ON EPL 7717

This notice serves to inform all interested and affected parties that an application for the environmental clearance certificate will be launched with the Environmental Commissioner interms of the Environmental Management Act (No.7 of 2007) and the Environmental Regulations (GN 30 of 2012).

Project: The licence is closed to km southwest of Rehaboth, close to the Keen Auto settlement. The proponent itself so explore for Base Metals. Exploration methods may include geological anapping, geophysical surveys, sampling, and driting. Proponent: Victor Kulula All interested and affected parties are hereby invited to register and submit their comments regarding the proposed project on or before 1606/2023. Contact details for registration and further information. Impala Environmental Project: The licence is

Impala Environmental

Consulting Mr. S. Andjamba Email: public@impalac. com, Tel: 0856630598

IMPALA ENVIRONMENTAL



Ondangwa Private Hospital Practitioners oc is an equal opportunity employer and invites proactive, professional, caring, ethical protessional, caring, ethical person to apply for the following position:

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Should you meet the above-mentioned requirements, kindly submit your CV and supporting documents at the Human Resource Department, Nodangwa Private Hospital, P.O. Box 4027 Ondangwa or forward them via e-mail to: recruitment@oph.com.na

Closing Date: 19 May 2023



LaLiga in the bag, but Barcelona still face huge problems

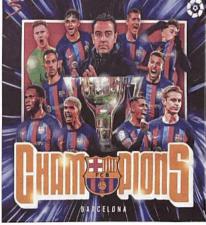
arcelona may have won the BLaLiga title on Sunday, but their outstanding domestic campaign has been somewhat overshadowed by turmoil off the pitch including deepening financial problems and a refereeing scandal that could drag on for years.

Spanish prosecutors in March filed a complaint over alleged payments Barcelona made from 2001 to 2018 totalling €7.3 million to firms owned by former refereeing official Jose Maria Enriquez Negreira, A Barcelona

courthas agreed to take on the case. Also in March, European football's governing body Uefa openedits own formal investigation into the club, looking into the same payments

The club has denied any are club has denied any wrongdoing, saying that it paid an external consultant who supplied it with "technical reports related to professional refereeing", something many clubs do.

But Negreira was the vice-president of the refereeing



committee of the Spanish Football Association - one of the highest refereeing officials in the country - from 1993 to 2018, covering the

entire period concerned.

However the case may play out, it has dealt a massive blow to the club's image, and could continue to do so as the legal process and Uefa's separate probe drag on.

And it comes at a time when Barcelona are already facing huge accounting problems related to their massive wage bill, to the Covid-19 pandemic, and to the club's 1.6 billion Euro renovation

Restricted by LaLiga's Financial Fair Play (FFP) rules, Barca were unable to re-sign club great Lionel Messi, who left as a free agent for Paris St Germain in the summer of 2021.

According to LaLiga, Barca are still about €200 million over the cap, and remain unable to register new contracts signed months ago with defender Ronald Araujo and midfielder Gavi, key players whose future is in doubt unless the club finds a way to fit them into its budget. - Supersport.com

PUBLIC NOTICE



31 MARCH 2023

FORMAL CONSULTATION ON THE PROPOSED DRAFT CONSUMER CREDIT BILL

The Minister of Finance and Public Enterprises tasked NAMFISA to spearhead the drafting of the Consumer Order Bill to enhance the regulatory and supervisory oversight on all consumer credit consumer Credit Bill to enhance the regulatory and supervisory oversight on all consumer credit transactions. Due to the far-reaching nature of consumer credit legislation, NAMFISA has been collaborating with the following Key Project Stakeholders: the Ministry of Finance and Public Enterprises, the Bank of Namibia, the Ministry of Industrialisation and Trade, the Financial Literacy Intilative (FLI) and the Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ).

This notice is to inform the respective industry players (credit providers, credit bureaus, debt collectors and consumers of credit) and the public at large that the proposed draft Consumer Credit Bill has been endorsed by the Minister of Finance and Public Enterprises for public consultation.

The purpose of the proposed draft Consumer Credit Bill is to promote fair, transparent, and responsible market conduct in the consumer credit market where consumers of credit are protected.

NAMFISA is calling on interested and affected members of the industry and the public to provide input and comments to the proposed draft Consumer Credit Bill. The industry and public are invited and encouraged to submit their comments in the format of the Comments Template, on or before 31 December 2023.

While individual inputs are accepted, we urge and encourage individuals to submit their comments via their respective bodies or associations.

Planned consultation meetings will be conducted during June to September 2023, with the details about specific towns and dates to be communicated in due course.

Kindly address your responses in the format of the Comments Template, on or before 31 December 2023, directly to Ms. Anesia Cloete at acloete@namfisa.com.na, co Ms. Charlene Polgieter at coptigleter@namfisa.com.a. Should you have any queries, you may contact Ms. Cloete at (081) 290 5276 or Ms. Christofina Shindume at (061) 290 5268.

The draft Consumer Credit Bill and comments template can be downloaded from the NAMFISA website www.namfisa.com.na.

p.p. Istin Kenneth S. Matomola CHIEF EXECUTIVE OFFICER

Lower Ground Floor, 51-55 Werner List Street, Gutenborg Plaza | P.O. Box 21250, Windhoek, Namibia Tel: +264 (81) 290 5000 | Tel: 0800 290 500 | Fax: +264 (81) 290 5194 | www.namifea.com.na

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Industry related Please send your CV to

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Tuesday in the next we.
janet@namblen.com.na
emma@namblen.com.na

• Offered •

Fire Season Electrical Appliances ocurgent-ly needs the following persons a Managing Director and a Warkshop Director: Managing Director: Your Duties will be: He / She will be responsible for the performance of

WG

DEADLINE: 12H00 - 2 WORKING DAYS PRIOR TO PLACEMENT



1210 Anniversaries 1220 Weddinas

1220 Weddings Announcements 1230 Birthday Wishes 1240 Reunions 1250 Graduations 1260 Special Messages 1270 Thank You Messages 1280 Valentine's Messages

Business & Finance

1410 Opportunities 1420 Business for Sale 1430 Taxi Licences

7420 House & Garden 1810 General 7440 Communications & Security 7450 Lost & Missing 7450 Transport Wanted & Offered

Education & Training 2610 Education & Training

Employment 2710 Wanted 2720 Offered

Food & Boyerage

Health & Beauty

3910 Hearth & Beauty Hospitalty

Housing & Property

Lesure & Emertainment

Livestock & Pets

5010 Livestock & Pets 5010 Auctions 5010 For Sale 5010 Lost & Missing 5010 Wanted

Matering

5310 Vehicles Wanted 5320 Vehicles for Hire 5360 Vehicles for Sale 5370 Vehicle Auctions 5380 Vehicle Spares & Accessores

5610 Legal 5620 Public 5630 Tenders 5710 Churches 5620 Name Change 5620 Rezoning

5000 In Memorism 5010 Tembstone Unveiling 5020 Death & Funeral Notices 5030 Condolences 1270 Thank you messages Travel & Tourism

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Rates and Deadlines

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Good written and oral communication skills.

Good interperantal skills and strong technical competence. • Diploma or Bachelor's degree in Business.

Management or Economics.

• \$-10years' experience in the same field of

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Hibadio Namibia is looking for a full-time intradio Nariodo la loceling for a fair-are-sales person. Requiriments. Must be fuer in German and English. Afrikazine sia nativantage. Communicate well, be sales deven and client overstated. Own car and lighting are an

• Legal • • Legal • • Legal • • Hospitality •

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APPENDIX B: CURRICULUM VITAE OF CHARLIE DU TOIT

1. Position: Environmental Practitioner

Name/Surname: Charl du Toit
 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

Reading

Writing

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

Speaking

Degree/Qualification Grade 12
Date Obtained 1974-1978

6. Membership of

EAPAN Member (Membership Number: 112)

Professional

Association:

7. Languages:

	gg					
		English	G	ood	Good	Good
		Afrikaans	G	ood	Good	Good
8.	Employment	<u>From</u>	<u>To</u>	<u>Employer</u>		Position(s) held
	Record:	2009	Present	Green Earth		Environmental
				Environmental Consultants Elmarie Du Toit		Practitioner
		2005	2008			Manager
				Town Plar	nning	
				Consultan	ts	
		2003	2005	Pupkewitz		General Manager
				Megabuild	l	
		1995	2003	Agra Coop	perative	Manager Trade
				Limited		
				Namibia		Chief Agricultural
		1989	1995	Developm	ent	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.

Charl du Toit

APPENDIX C: CURRICULUM VITAE OF CARIEN VAN DER WALT

1. Position: Environmental Consultant

2. Name/Surname: Carien van der Walt

3. Date of Birth: 6 August 1990

4. Nationality: Namibian

5. Education:

Institution	Degree/Diploma	Years
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 D: ENVIRONMENTAL MANAGEMENT PLAN