



# LIMPOPO

PROVINCIAL GOVERNMENT  
REPUBLIC OF SOUTH AFRICA

## DEPARTMENT OF ECONOMIC DEVELOPMENT, ENVIRONMENT & TOURISM

### BASIC ASSESSMENT REPORT - EIA REGULATIONS, 2014

Basic Assessment report in terms of the Environmental Impact Assessment Regulations, 2014, promulgated in terms of the National Environmental Management Act, 1998 (Act No. 107 of 1998), as amended.

File Reference Number:

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NEAS Reference Number:

Date Received:

Due date for acknowledgement:

Due date for acceptance:

Due date for decision

Kindly note that:

(For official use only)


1. The report must be compiled by an independent Environmental Assessment Practitioner.
2. The report must be typed within the spaces provided in the form. The size of the spaces provided is not necessarily indicative of the amount of information to be provided. The report is in the form of a table that can extend itself as each space is filled with typing.
3. Where applicable **tick** the boxes that are applicable in the report.
4. The use of "not applicable" in the report must be done with circumspection because if it is used in respect of material information that is required by the Department of Economic Development, Environment and Tourism as the competent authority (Department) for assessing the application, it may result in the rejection of the application as provided for in the regulations.
5. An incomplete report may be returned to the applicant for revision.
6. Unless protected by law, all information in the report will become public information on receipt by the department. Any interested and affected party should be provided with the information contained in this report on request, during any stage of the application process.

Cnr Suid & Dorp Streets, POLOKWANE, 0700, P O Box 55464, POLOKWANE, 0700  
Tel: 015 290 7138/ 7167, Fax: 015 295 5015, website: <http://www.ledet.gov.za>

***The heartland of southern Africa – development is about people!***

7. The Act means the National Environmental Management Act (No. 107 of 1998) as amended.
8. Regulations refer to Environmental Impact Assessment (EIA) Regulations of 2014.
9. The Department may require that for specified types of activities in defined situations only parts of this report need to be completed. No faxed or e-mailed reports will be accepted.
10. This application form must be handed in at the offices of the Department of Economic Development, Environment and Tourism:-

<p><b><u>Postal Address:</u></b>  Central Administration Office  Environmental Impact Management  P. O. Box 55464  <b>POLOKWANE</b>  0700</p>	<p><b><u>Physical Address:</u></b>  Central Administration Office  Environmental Affairs Building  Cnr Suid and Dorp Streets  <b>POLOKWANE</b>  0699</p>
<p><b>Queries should be directed to the Central Administration Office: Environmental Impact Management:-</b></p> <p><b>For attention:</b> Mr E. V. Maluleke  <b>Tel:</b> (015) 290 7138/ (015) 290 7167  <b>Fax:</b> (015) 295 5015  <b>Email:</b> <a href="mailto:malulekeev@ledet.gov.za">malulekeev@ledet.gov.za</a></p>	

View the Department's website at [http://www.ledet.gov.za/](http://www.ledet.gov.za) for the latest version of the documents.

## SECTION A: ACTIVITY INFORMATION

Has a specialist been consulted to assist with the completion of this section?

YES

If YES, please complete the form entitled “Details of specialist and declaration of interest” or appointment of a specialist for each specialist thus appointed:

Any specialist reports must be contained in Appendix D.

### 1. ACTIVITY DESCRIPTION

Describe the activity, which is being applied for, in detail<sup>1</sup>:

**The project entails the expansion of an existing diesel depot on Erf 2289 Tzaneen Ext 5.**

**The existing depot consist of a 23 000 litre tank and an additional 92 000 litre (2x 46 000 litre tanks) will be installed on site for the storage of dangerous goods (diesel).**

### 2. FEASIBLE AND REASONABLE ALTERNATIVES

“**alternatives**”, in relation to a proposed activity, means different means of meeting the general purpose and requirements of the activity, which may include alternatives to—

(a) the property on which or location where it is proposed to undertake the activity;

The proposed site is located on Erf 2289 Tzaneen Ext 5.

The proposed site is big enough to accommodate the additional tanks.

Access and electricity are available at the proposed site.

The existing depot consist of a 23 000 litre tank.

The proposed site is suitable for the installation of a subsurface fuel storage tank from a geotechnical point of view if the necessary precautionary measures are implemented as outlined in the Geotechnical Report.

The area is not environmentally sensitive, it is disturbed by previous development.

The proposed site is thus highly suitable for a development of this kind. Other alternative sites are therefore not feasible. Therefore application for exemption from having to assess alternative sites is herewith made.

(b) the type of activity to be undertaken;

This project entails the expansion of an existing diesel depot.

<sup>1</sup> Please note that this description should not be a verbatim repetition of the listed activity as contained in the relevant Government Notice, but should be a brief description of activities to be undertaken as per the project description.  
LEDET BA Report, EIA 2014: Project Name: Expansion of Diesel Depot – Tzaneen

- (c) the design or layout of the activity;

The existing depot consist of a 23 000 litre tank and an additional 92 000 litre (2x 46 000 litre tanks) will be installed on site for the storage of dangerous goods (diesel).

- (d) the technology to be used in the activity;

No technology alternatives were identified.

- (e) the operational aspects of the activity; and

Due to the extremely limited extent of the proposed activity, the impact upon the environment will be minimal. The surface area that will be covered on the ground is less than 1ha.

- (f) the option of not implementing the activity.

The diesel depot is located in the industrial area of Tzaneen.

The site has an existing 23 000 liter tank underground and it is currently not sufficient for the daily demand for diesel in the immediate area. The proposed project entails the installing of two additional underground tanks with a size of 46 000 liters each. The total of the additional tanks will thus be 92 000 liters.

**The Reader is referred to Appendix G (Assessment of Alternatives) for a description of the identified alternatives that have been investigated.**

Describe alternatives that are considered in this application. Alternatives should include a consideration of all possible means by which the purpose and need of the proposed activity could be accomplished in the specific instance taking account of the interest of the applicant in the activity. The no-go alternative must in all cases be included in the assessment phase as the baseline against which the impacts of the other alternatives are assessed. The determination of whether site or activity (including different processes etc.) or both is appropriate needs to be informed by the specific circumstances of the activity and its environment. After receipt of this report the Department may also request the applicant to assess additional alternatives that could possibly accomplish the purpose and need of the proposed activity if it is clear that realistic alternatives have not been considered to a reasonable extent.

**Paragraphs 3 – 13 below should be completed for each alternative.**

### 3. ACTIVITY POSITION

Indicate the position of the activity using the latitude and longitude of the centre point of the site for each alternative site. The co-ordinates should be in degrees, minutes and seconds. The projection that must be used in all cases is the Hartebeeshoek94 WGS84 spheroid in a national or local projection.

List alternative sites, if applicable.

**Latitude (S):**

**Longitude (E):**

**Alternative:**

Alternative S1<sup>2</sup> (preferred or only site alternative)

23°	49'	41.2"	30°	10'	29.8"
°	'	"	°	'	"
°	'	"	°	'	"

Alternative S2 (if any)

Alternative S3 (if any)

**In the case of linear activities:**

**Alternative:**

**Latitude (S):**

**Longitude (E):**

Alternative S1 (preferred or only route alternative)

- Starting point of the activity
- Middle/Additional point of the activity
- End point of the activity

°	'	"	°	'	"
°	'	"	°	'	"
°	'	"	°	'	"

Alternative S2 (if any)

- Starting point of the activity
- Middle/Additional point of the activity
- End point of the activity

°	'	"	°	'	"
°	'	"	°	'	"
°	'	"	°	'	"

Alternative S3 (if any)

- Starting point of the activity
- Middle/Additional point of the activity
- End point of the activity

°	'	"	°	'	"
°	'	"	°	'	"
°	'	"	°	'	"

For route alternatives that are longer than 500m, please provide an addendum with co-ordinates taken every 250 meters along the route for each alternative alignment.

<sup>2</sup> "Alternative S.." refer to site alternatives.

**4. PHYSICAL SIZE OF THE ACTIVITY**

Indicate the physical size of the preferred activity/technology as well as alternative activities/technologies (footprints):

**Alternative:**

Alternative A1<sup>3</sup> (preferred activity alternative)

Alternative A2 (if any)

Alternative A3 (if any)

or,

for linear activities:

**Size of the activity:**

	3 000m <sup>2</sup>
	m <sup>2</sup>
	m <sup>2</sup>

**Length of the activity:**

**Alternative:**

Alternative A1 (preferred activity alternative)

Alternative A2 (if any)

Alternative A3 (if any)

	m
	m
	m

Indicate the size of the alternative sites or servitudes (within which the above footprints will occur):

**Size of the site/servitude:**

**Alternative:**

Alternative A1 (preferred activity alternative)

Alternative A2 (if any)

Alternative A3 (if any)

	3 000m <sup>2</sup>
	m <sup>2</sup>
	m <sup>2</sup>

**5. SITE ACCESS**

**Does ready access to the site exist?**

<b>YES</b>	
	m

**If NO, what is the distance over which a new access road will be built**

**Describe the type of access road planned:**

**Access to the diesel depot can be obtained from Kudu Street and Plantation Avenue.**

Include the position of the access road on the site plan and required map, as well as an indication of the road in relation to the site.

<sup>3</sup> "Alternative A.." refer to activity, process, technology or other alternatives.  
LEDET BA Report, EIA 2014: Project Name: Expansion of Diesel Depot – Tzaneen

## 6. SITE OR ROUTE PLAN

A detailed site or route plan(s) must be prepared for each alternative site or alternative activity. It must be attached as Appendix A to this document.

The site or route plans must indicate the following:

- 6.1 the scale of the plan which must be at least a scale of 1:500;
- 6.2 the property boundaries and numbers of all the properties within 50 metres of the site;
- 6.3 the current land use as well as the land use zoning of each of the properties adjoining the site or sites;
- 6.4 the exact position of each element of the application as well as any other structures on the site;
- 6.5 the position of services, including electricity supply cables (indicate above or underground), water supply pipelines, boreholes, street lights, sewage pipelines, storm water infrastructure and telecommunication infrastructure;
- 6.6 all trees and shrubs taller than 1.8 metres;
- 6.7 walls and fencing including details of the height and construction material;
- 6.8 servitudes indicating the purpose of the servitude;
- 6.9 sensitive environmental elements within 100 metres of the site or sites including (but not limited thereto):
  - rivers;
  - the 1:100 year flood line (where available or where it is required by Department of Water Affairs);
  - ridges;
  - cultural and historical features;
  - areas with indigenous vegetation (even if it is degraded or invested with alien species);
- 6.10 for gentle slopes the 1 metre contour intervals must be indicated on the plan and whenever the slope of the site exceeds 1:10, the 500mm contours must be indicated on the plan; and
- 6.11 the positions from where photographs of the site were taken.

## 7. SITE PHOTOGRAPHS

Colour photographs from the centre of the site must be taken in at least the eight major compass directions with a description of each photograph. Photographs must be attached under Appendix B to this form. It must be supplemented with additional photographs of relevant features on the site, if applicable.

## 8. FACILITY ILLUSTRATION

A detailed illustration of the activity must be provided at a scale of 1:200 as Appendix C for activities that include structures. The illustrations must be to scale and must represent a realistic image of the planned activity. The illustration must give a representative view of the activity.

## 9. ACTIVITY MOTIVATION

### 9(a) Socio-economic value of the activity

What is the expected capital value of the activity on completion?

R20 000 000-00
----------------

What is the expected yearly income that will be generated by or as a result of the activity?

R12 000 000-00
----------------

Will the activity contribute to service infrastructure?	YES	
Is the activity a public amenity?	YES	
How many new employment opportunities will be created in the development phase of the activity?	25	
What is the expected value of the employment opportunities during the development phase?	R60 000-00	
What percentage of this will accrue to previously disadvantaged individuals?	60%	
How many permanent new employment opportunities will be created during the operational phase of the activity?	15	
What is the expected current value of the employment opportunities during the first 10 years?	R2 000 000-00	
What percentage of this will accrue to previously disadvantaged individuals?	60%	

### 9(b) Need and desirability of the activity

Motivate and explain the need and desirability of the activity (including demand for the activity):

<b>NEED:</b>		
i.	Was the relevant municipality involved in the application?	YES
ii.	Does the proposed land use fall within the municipal Integrated Development Plan?	YES
iii.	If the answer to questions 1 and / or 2 was NO, please provide further motivation / explanation:	

<b>DESIRABILITY:</b>		
i.	Does the proposed land use / development fit the surrounding area? <i>The diesel depot is located in the industrial area of Tzaneen. The site has an existing 23 000 liter tank underground and it is currently not sufficient for the daily demand for diesel in the immediate area. The proposed project entails the installing of two additional underground tanks with a size of 46 000 liters each. The total of the additional tanks will thus be 92 000 liters.</i>	YES
ii.	Does the proposed land use / development conform to the relevant structure plans, Spatial development Framework, Land Use Management Scheme, and planning visions for the area? <i>Building plans to expand the existing diesel depot was submitted to the Greater Tzaneen Municipality for approval.</i>	YES
iii.	Will the benefits of the proposed land use / development outweigh the negative impacts of it? <i>The proposed expansion will improve the access to diesel in the area.</i>	YES



iv.	If the answer to any of the questions 1-3 was NO, please provide further motivation / explanation:		
v.	Will the proposed land use / development impact on the sense of place?		NO
vi.	Will the proposed land use / development set a precedent?		NO
vii.	Will any person's rights be affected by the proposed land use / development?		NO
viii.	Will the proposed land use / development compromise the "urban edge"?		NO
ix.	If the answer to any of the question 5-8 was YES, please provide further motivation / explanation.		

<b>BENEFITS:</b>			
i.	Will the land use / development have any benefits for society in general?	YES	
ii.	Explain:		
	<i>It aims to serve all traffic in the industrial area in Tzaneen.</i>		
iii.	Will the land use / development have any benefits for the local communities where it will be located?	YES	
iv.	Explain:		
	<i>It aims to serve all traffic in the industrial area in Tzaneen.</i>		

## 10. APPLICABLE LEGISLATION, POLICIES AND/OR GUIDELINES

List all legislation, policies and/or guidelines of any sphere of government that are applicable to the application as contemplated in the EIA regulations, if applicable:

<b>Title of legislation, policy or guideline:</b>	<b>Administering authority:</b>	<b>Date:</b>
Chapter 5 of the National Environmental Management Act, 1998 (Act 107 of 1998)	Department of Environmental Affairs	2014
Constitution of South Africa Act No. 108 of 1996	National & Provincial	18 December 1996
National Environmental Management: Biodiversity Act No. 10 of 2004	National & Provincial	7 June 2004
Section 2 of the National Heritage Resources Act, 1999, (Act No. 25 of 1999)	SAHRA	1999

## 11. WASTE, EFFLUENT, EMISSION AND NOISE MANAGEMENT

### 11(a) Solid waste management

Will the activity produce solid construction waste during the construction/initiation phase?  
If yes, what estimated quantity will be produced per month?

NO

How will the construction solid waste be disposed of (describe)?

**The project entails the expansion of an existing diesel depot. An additional 92 000 litre (2x 46 000 litre tanks) will be installed on site for the storage of dangerous goods (diesel).  
The proposed construction activity is not suppose to produce any construction waste.**

Where will the construction solid waste be disposed of (describe)?

-

Will the activity produce solid waste during its operational phase?  
If yes, what estimated quantity will be produced per month?

NO

How will the solid waste be disposed of (describe)?

**The diesel depot will not produce solid waste. Only diesel will be sold on site.**

Where will the solid waste be disposed if it does not feed into a municipal waste stream (describe)?

-

If the solid waste (construction or operational phases) will not be disposed of in a registered landfill site or be taken up in a municipal waste stream, then the applicant should consult with the department to determine whether it is necessary to change to an application for scoping and EIA.

Can any part of the solid waste be classified as hazardous in terms of the relevant legislation?  
If yes, inform the department and request a change to an application for scoping and EIA.

NO

Is the activity that is being applied for a solid waste handling or treatment facility?

NO

If yes, then the applicant should consult with the Department to determine whether it is necessary to change to an application for scoping and EIA.

### 11(b) Liquid effluent

Will the activity produce effluent, other than normal sewage, that will be disposed of in a municipal sewage system?

NO

If yes, what estimated quantity will be produced per month?

Will the activity produce any effluent that will be treated and/or disposed of on site?

NO

If yes, the applicant should consult with the Department to determine whether it is necessary to change to an application for scoping and EIA.

Will the activity produce effluent that will be treated and/or disposed of at another facility?

	<b>NO</b>
--	-----------

If yes, provide the particulars of the facility:

Facility name:			
Contact person:			
Postal address:			
Postal code:			
Telephone:	Cell:		
E-mail:	Fax:		

Describe the measures that will be taken to ensure the optimal reuse or recycling of waste water, if any:

-
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### 11(c) Emissions into the atmosphere

Will the activity release emissions into the atmosphere?

	<b>NO</b>
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If yes, is it controlled by any legislation of any sphere of government?

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If yes, the applicant should consult with the competent authority to determine whether it is necessary to change to an application for scoping and EIA.

If no, describe the emissions in terms of type and concentration:

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### 11(d) Generation of noise

Will the activity generate noise?

	<b>NO</b>
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If yes, is it controlled by any legislation of any sphere of government?

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If yes, the applicant should consult with the competent authority to determine whether it is necessary to change to an application for scoping and EIA.

If no, describe the noise in terms of type and level:

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**12. WATER USE**

Please indicate the source(s) of water that will be used for the activity by ticking the appropriate box(es)

<b>Municipal</b>			
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If water is to be extracted from groundwater, river, stream, dam, lake or any other natural feature, please indicate the volume that will be extracted per month:

	<b>NO</b>
--	-----------

Does the activity require a water use permit from the Department of Water Affairs?

If yes, please submit the necessary application to the Department of Water Affairs and attach proof thereof to this application if it has been submitted.

**The diesel depot does not provide any toilet facilities for the public. No overnight facilities are available on site. The diesel depot will make use of very little amount of water.**

**13. ENERGY EFFICIENCY**

Describe the design measures, if any, that have been taken to ensure that the activity is energy efficient:

<b>Municipal electricity is available on site.</b>
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Describe how alternative energy sources have been taken into account or been built into the design of the activity, if any:

<b>Municipal electricity is available on site.</b>
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## SECTION B: SITE/AREA/PROPERTY DESCRIPTION

### Important notes:

1. For linear activities (pipelines, etc) as well as activities that cover very large sites, it may be necessary to complete this section for each part of the site that has a significantly different environment. In such cases please complete copies of Section C and indicate the area, which is covered by each copy No. on the Site Plan.

Section C Copy No.   
(e.g. A):

2. Paragraphs 1 - 6 below must be completed for each alternative.

3. Has a specialist been consulted to assist with the completion of this section?

<b>YES</b>	
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If YES, please complete the form entitled "Details of specialist and declaration of interest" for each specialist thus appointed:

All specialist reports must be contained in Appendix D.

Property description/physical address:

**The proposed site is located on Erf 2289 Tzaneen Ext 5, Greater Tzaneen Municipal area.**

(Farm name, portion etc.) Where a large number of properties are involved (e.g. linear activities), please attach a full list to this application.

Town/district:

**Tzaneen**

In instances where there is more than one town or district involved, please attach a list of towns or districts to this application.

Current land-use zoning:

**Industrial**

In instances where there is more than one current land-use zoning, please attach a list of current land use zonings that also indicate which portions each use pertains to , to this application.

Is a change of land-use or a consent use application required?

	<b>NO</b>
<b>YES</b>	

Must a building plan be submitted to the local authority?

Locality map: An A3 locality map must be attached to the back of this document, as Appendix A. The scale of the locality map must be relevant to the size of the development (at least 1:50 000. For linear activities of more than 25 kilometres, a smaller scale e.g. 1:250 000 can be used. The scale must be indicated on the map.) The map must indicate the following:

- an indication of the project site position as well as the positions of the alternative sites, if any;
- road access from all major roads in the area;
- road names or numbers of all major roads as well as the roads that provide access to the site(s);
- all roads within a 1km radius of the site or alternative sites; and
- a north arrow;
- a legend; and
- locality GPS co-ordinates (Indicate the position of the activity using the latitude and longitude of the centre point of the site for each alternative site. The co-ordinates should be in degrees, minutes and seconds. The projection that must be used in all cases is the WGS84 spheroid in a national or local projection)

## 1. GRADIENT OF THE SITE

Indicate the general gradient of the site.

Alternative S1:

Flat						
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Alternative S2 (if any):

Flat	1:50 – 1:20	1:20 – 1:15	1:15 – 1:10	1:10 – 1:7,5	1:7,5 – 1:5	Steeper than 1:5
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Alternative S3 (if any):

Flat	1:50 – 1:20	1:20 – 1:15	1:15 – 1:10	1:10 – 1:7,5	1:7,5 – 1:5	Steeper than 1:5
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## 2. LOCATION IN LANDSCAPE

Indicate the landform(s) that best describes the site:

2.1 Ridgeline		<b>2.6 Plain</b>	√
2.2 Plateau		2.7 Undulating plain / low hills	
2.3 Side slope of hill/mountain		2.8 Dune	
2.4 Closed valley		2.9 Seafront	
2.5 Open valley			

### 3. GROUNDWATER, SOIL AND GEOLOGICAL STABILITY OF THE SITE

Is the site(s) located on any of the following (tick the appropriate boxes)?

	Alternative S1:	Alternative S2 (if any):	Alternative S3 (if any):
Shallow water table (less than 1.5m deep)	NO	YES NO	YES NO
Dolomite, sinkhole or doline areas	NO	YES NO	YES NO
Seasonally wet soils (often close to water bodies)	NO	YES NO	YES NO
Unstable rocky slopes or steep slopes with loose soil	NO	YES NO	YES NO
Dispersive soils (soils that dissolve in water)	NO	YES NO	YES NO
Soils with high clay content (clay fraction more than 40%)	NO	YES NO	YES NO
Any other unstable soil or geological feature	NO	YES NO	YES NO
An area sensitive to erosion	NO	YES NO	YES NO

According to the 1:250 000 TZANEEN geological sheet, the site is underlain by Biotite gneiss and migmatite with anatectic mobilisates (Zg) of the Goudplaats-Hout River Gneisses. The geology is depicted in Figure 2, Appendix A of the Geotechnical Report.

The formation and typical mineral composition of the underlying rocks is briefly discussed below (B Cairncross, 2004).

Gneiss is a coarse-grained metamorphic rock that is characteristically banded or layered and forms by regional high-grade metamorphism of granite. Large crystals in gneiss are composed of quartz, alkali feldspar, mica and amphiboles. Migmatites refer to gneisses that have undergone intensive metamorphism and deformation, with a toothpaste-like appearance (Cairncross, 2004).

*The site is not underlain by potentially soluble rock formations such as dolomite and limestone and no dolomite stability investigation is required.*

See Geotechnical Report in Appendix D.

### 4. GROUNDCOVER

Indicate the types of groundcover present on the site:

The location of all identified rare or endangered species or other elements should be accurately indicated on the site plan(s).

			Paved surface	Building or other structure

**5. LAND USE CHARACTER OF SURROUNDING AREA**

Indicate land uses and/or prominent features that does currently occur within a 500m radius of the site and give description of how this influences the application or may be impacted upon by the application:

5.1 Natural area		5.22 School	
5.2 Low density residential		5.23 Tertiary education facility	
5.3 Medium density residential		5.24 Church	
5.4 High density residential		5.25 Old age home	
5.5 Medium industrial <sup>AN</sup>		5.26 Museum	
5.6 Office/consulting room		5.27 Historical building	
5.7 Military or police base/station/compound		5.28 Protected Area	
5.8 Spoil heap or slimes dam <sup>A</sup>		5.29 Sewage treatment plant <sup>A</sup>	
<b>5.9 Light industrial</b>	√	5.30 Train station or shunting yard <sup>N</sup>	
5.10 Heavy industrial <sup>AN</sup>		5.31 Railway line <sup>N</sup>	
5.11 Power station		5.32 Major road (4 lanes or more)	
5.12 Sport facilities		5.33 Airport <sup>N</sup>	
5.13 Golf course		5.34 Harbour	
5.14 Polo fields		5.35 Quarry, sand or borrow pit	
<b>5.15 Filling station <sup>H</sup></b>	√	5.36 Hospital/medical centre	
5.16 Landfill or waste treatment site		5.37 River, stream or wetland	
5.17 Plantation		5.38 Nature conservation area	
5.18 Agriculture		5.39 Mountain, koppie or ridge	
5.19 Archaeological site		5.40 Graveyard	
5.20 Quarry, sand or borrow pit		5.41 River, stream or wetland	
5.21 Dam or Reservoir		5.42 Other land uses (describe)	

If any of the boxes marked with an "N" are ticked, how will this impact / be impacted upon by the proposed activity?

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If any of the boxes marked with an "An" are ticked, how will this impact / be impacted upon by the proposed activity?

If YES, specify and explain:	
If NO, specify:	



If any of the boxes marked with an "H" are ticked, how will this impact / be impacted upon by the proposed activity.

If YES, specify and explain:	
If NO, specify:	<b>It is an expansion of an existing diesel depot. Installation of 2x 46 000 litre additional tanks.</b>

## 6. CULTURAL/HISTORICAL FEATURES

Are there any signs of culturally or historically significant elements, as defined in section 2 of the National Heritage Resources Act, 1999, (Act No. 25 of 1999), including

**NO**

Archaeological or palaeontological sites, on or close (within 20m) to the site?

If YES, explain:

-

If uncertain, conduct a specialist investigation by a recognised specialist in the field to establish whether there is such a feature(s) present on or close to the site.

Briefly explain the findings of the specialist:

-

Will any building or structure older than 60 years be affected in any way?

**NO**

Is it necessary to apply for a permit in terms of the National Heritage Resources Act, 1999 (Act 25 of 1999)?

**NO**

If yes, please submit or, make sure that the applicant or a specialist submits the necessary application to SAHRA or the relevant provincial heritage agency and attach proof thereof to this application if such application has been made.

## SECTION C: PUBLIC PARTICIPATION

### 1. ADVERTISEMENT

The person conducting a public participation process must take into account any guidelines applicable to public participation as contemplated in section 24J of the Act and must give notice to all potential interested and affected parties of the application which is subjected to public participation by—

- (a) fixing a notice board (of a size at least 60cm by 42cm; and must display the required information in lettering and in a format as may be determined by the department) at a place conspicuous to the public at the boundary or on the fence of—
  - (i) the site where the activity to which the application relates is or is to be undertaken; and
  - (ii) any alternative site mentioned in the application;
- (b) giving written notice to—
  - (i) the owner or person in control of that land if the applicant is not the owner or person in control of the land;
  - (ii) the occupiers of the site where the activity is or is to be undertaken or to any alternative site where the activity is to be undertaken;
  - (iii) owners and occupiers of land adjacent to the site where the activity is or is to be undertaken or to any alternative site where the activity is to be undertaken;
  - (iv) the municipal councillor of the ward in which the site or alternative site is situated and any organisation of ratepayers that represent the community in the area;
  - (v) the municipality which has jurisdiction in the area;
  - (vi) any organ of state having jurisdiction in respect of any aspect of the activity; and
  - (vii) any other party as required by the department;
- (c) placing an advertisement in—
  - (i) one local newspaper; or
  - (ii) any official *Gazette* that is published specifically for the purpose of providing public notice of applications or other submissions made in terms of these Regulations;
- (d) placing an advertisement in at least one provincial newspaper or national newspaper, if the activity has or may have an impact that extends beyond the boundaries of the local municipality in which it is or will be undertaken: Provided that this paragraph need not be complied with if an advertisement has been placed in an official *Gazette* referred to in subregulation 54(c)(ii); and
- (e) using reasonable alternative methods, as agreed to by the department, in those instances where a person is desiring of but unable to participate in the process due to—
  - (i) illiteracy;
  - (ii) disability; or
  - (iii) any other disadvantage.

## **2. CONTENT OF ADVERTISEMENTS AND NOTICES**

A notice board, advertisement or notices must:

- (a) indicate the details of the application which is subjected to public participation; and
- (b) state—
  - (i) that the application has been submitted to the department in terms of these Regulations, as the case may be;
  - (ii) whether basic assessment or scoping procedures are being applied to the application, in the case of an application for environmental authorisation;
  - (iii) the nature and location of the activity to which the application relates;
  - (iv) where further information on the application or activity can be obtained; and
  - (v) the manner in which and the person to whom representations in respect of the application may be made.

## **3. PLACEMENT OF ADVERTISEMENTS AND NOTICES**

Where the proposed activity may have impacts that extend beyond the municipal area where it is located, a notice must be placed in at least one provincial newspaper or national newspaper, indicating that an application will be submitted to the department in terms of these regulations, the nature and location of the activity, where further information on the proposed activity can be obtained and the manner in which representations in respect of the application can be made, unless a notice has been placed in any *Gazette* that is published specifically for the purpose of providing notice to the public of applications made in terms of these Regulations.

Advertisements and notices must make provision for all alternatives.

## **4. DETERMINATION OF APPROPRIATE MEASURES**

The practitioner must ensure that the public participation is adequate and must determine whether a public meeting or any other additional measure is appropriate or not based on the particular nature of each case. Special attention should be given to the involvement of local community structures such as Ward Committees, ratepayers associations and traditional authorities where appropriate. Please note that public concerns that emerge at a later stage that should have been addressed may cause the department to withdraw any authorisation it may have issued if it becomes apparent that the public participation process was inadequate.

## 5. COMMENTS AND RESPONSE REPORT

The practitioner must record all comments and respond to each comment of the public before the application is submitted. The comments and responses must be captured in a comments and response report as prescribed in these Regulations and be attached to this application. The comments and response report must be attached under Appendix E.

## 6. AUTHORITY PARTICIPATION

Please note that a complete list of all organs of state and or any other applicable authority with their contact details must be appended to the basic assessment report or scoping report, whichever is applicable.

Authorities are key interested and affected parties in each application and no decision on any application will be made before the relevant local authority is provided with the opportunity to give input.

Name of Authority informed:	Comments received (Yes or No)
The Director Department of Agriculture Land Use & Soil Management P.O. Box 3620 POLOKWANE 0700 Mr. Foletji Mahlakoane	No
Councillor: Tzaneen Ext 5 P.O. Box 24 TZANEEN 0850	No
The Chief Director Department of Water & Sanitation WQM Section Private Bag X9506 POLOKWANE 0700 Attention: Ms. Magdeline M. Msimanga	No
Department of Sports, Arts and Culture Postnet Suite 21 Private Bag X9307 POLOKWANE 0700 Mr. Donald Lithole	No

Mopani District Municipality Private Bag X9687 GIYANI 0826 Attention: Mr. T. Maake	No
Greater Tzaneen Municipality P.O. Box 24 TZANEEN 0850 Attention: Mr. M. Mangena	No

## 7. CONSULTATION WITH OTHER STAKEHOLDERS

Note that, for linear activities, or where deviation from the public participation requirements may be appropriate, the person conducting the public participation process may deviate from the requirements of that subregulation to the extent and in the manner as may be agreed to by the department.

Proof of any such agreement must be provided, where applicable.

Has any comment been received from stakeholders?

	No
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If "YES", briefly describe the feedback below (also attach copies of any correspondence to and from the stakeholders to this application):

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## SECTION D: IMPACT ASSESSMENT

The assessment of impacts must adhere to the minimum requirements in the EIA Regulations, 2014, and should take applicable official guidelines into account. The issues raised by interested and affected parties should also be addressed in the assessment of impacts.

### 1. ISSUES RAISED BY INTERESTED AND AFFECTED PARTIES

List the main issues raised by interested and affected parties.

Nobody has registered as Interested and Affected Party.  
No comments were received during the public participation process.

Response from the practitioner to the issues raised by the interested and affected parties (A full response must be given in the Comments and Response Report that must be attached to this report as Annexure E):

No response from the practitioner was required.  
The Consultative Basic Assessment Report will be sent out to the Stakeholders to comment on.

### 2. IMPACTS THAT MAY RESULT FROM THE PLANNING AND DESIGN, CONSTRUCTION, OPERATIONAL, DECOMMISSIONING AND CLOSURE PHASES AS WELL AS PROPOSED MANAGEMENT OF IDENTIFIED IMPACTS AND PROPOSED MITIGATION MEASURES

List the potential direct, indirect and cumulative property/activity/design/technology/operational alternative related impacts (as appropriate) that are likely to occur as a result of the planning and design phase, construction phase, operational phase, decommissioning and closure phase, including impacts relating to the choice of site/activity/technology alternatives as well as the mitigation measures that may eliminate or reduce the potential impacts listed.

#### Alternative (preferred alternative)

##### PLANNING AND DESIGN PHASE

###### **Direct impacts:**

- The destruction of natural vegetation during initial investigations, due to induced vehicular movement e.g. surveyors vehicles etc.

*Existing tracks/roads should be used when accessing the site for planning purposes. Sampling rather than removal of existing plant material should take place (and then only if essential).*

- Damage to flora due to site clearing

*Existing indigenous trees should be retained where possible. Excessive loss of vegetation should be avoided. Vehicular access should be restricted to essential areas only. During excavations, the area that is disturbed should be kept as small as possible, so as to minimise disturbances to the environment.*

**Indirect impacts:**

- Soil erosion due to vegetation clearance  
*As much natural vegetation should be retained as is possible (especially natural occurring trees).*
- Unsocial activities at construction site (e.g. crime)  
*Appointed contractors should be required to implement security measures at construction camps/material laydown areas. Security gate control measures should be implemented in order that only labourers and authorised persons obtain access to the construction camps/material laydown areas.*
- Construction traffic and access  
*Existing tracks/roads should be used when accessing the site.*
- Impact of construction noise on adjacent residential areas  
*Keep residents of surrounding properties informed if any unusually noisy activities are planned. Noise impacts are reduced over distance at a rate of 1db (decibel) per 13 metres. Working hours should be limited to between 06h00 and 17h00 (Mondays to Saturdays only). Adjacent residents shall be informed of unusually noisy activities that will be undertaken. Works instructions shall be issued regarding the minimisation of noise to all workers (especially those using noisy equipment).*
- Impact of nuisances resulting from construction (e.g. dust, smoke & noise)  
*Damping down of unsurfaced roads should take place. Trucks should avoid travelling unnecessarily through residential areas or private land.*
- High positive expectations regarding employment opportunities  
*Local employment and procurement should receive priority when embarking upon planning and construction activities.*

**Cumulative impacts:**

- Visual impact of construction activities  
*Retain as many existing trees as possible to screen construction works. Construction activities should be kept clustered on site at all times.*
- Temporary employment creation  
*Where appropriate, labour intensive construction methods should be used. Where possible training of labour should take place to improve benefits to individuals well beyond this project. Use of emerging contractors should take place where possible.*

## **CONSTRUCTION PHASE**

### ***Direct impacts:***

- Construction traffic and access

*Damping down of unsurfaced roads should take place. Trucks should avoid travelling unnecessarily through private land.*

- Pollution of groundwater

*Controlled use and or storage of all fuels and chemicals during construction is advised. Due to very limited amounts of the aforementioned substances being used during construction, leaching thereof into the underground water is highly unlikely. Adequate fuel containment facilities should however be used. Adequate sanitary facilities and ablutions must be provided for construction workers.*

- Damage to flora due to site clearing

*Existing indigenous trees should be retained where possible. Excessive loss of vegetation should be avoided. Vehicular access should be restricted to essential areas only. During excavations, the area that is disturbed should be kept as small as possible, so as to minimise disturbances to the environment.*

### ***Indirect impacts:***

- Potential injury to construction workers

*Implementation of safety measures and work procedures and first aid facilities should be required of contractors.*

- Unsocial activities at construction site (e.g. crime)

*Appointed contractors should be required to implement security measures at construction camps/material laydown areas. Security gate control measures should be implemented in order that only labourers and authorised persons obtain access to the construction camps/material laydown areas.*

- Impact of construction noise on adjacent residential areas

*Keep residents of surrounding properties informed if any unusually noisy activities are planned. Noise impacts are reduced over distance at a rate of 1db (decibel) per 13 metres. Working hours should be limited to between 06h00 and 17h00 (Mondays to Saturdays only).*

- Visual impact of construction activities

*Retain as many existing trees as possible to screen construction works. Construction activities should be kept clustered on site at all times.*

- Impact of nuisances resulting from construction (e.g. dust, smoke & noise)

*Damping down of graded roads and cleared areas should take place during construction. As a mitigatory measure, construction should be limited to normal working hours. Construction shall be restricted to limited working hours (06h00 to 17h00 from Monday to Saturdays only). No work shall be conducted on Sundays.*



*Adjacent residents shall be informed of unusually noisy activities that will be undertaken. Works instructions shall be issued regarding the minimisation of noise to all workers (especially those using noisy equipment).*

- Uncovering of heritage or archaeological sites/resources/graves

*In the case of an archaeological/heritage resources “find”, all excavation work should be halted and a heritage resources practitioner should be consulted (or alternatively the nearest SAHRA office). If found, graves shall be relocated in accordance with the stipulations of the South African Heritage Resources Act and its relevant regulations pertaining to graves.*

**Cumulative impacts:**

- High positive expectations regarding employment opportunities

*Local employment and procurement should receive priority when embarking upon planning and construction activities. Contractors should be required to make use of local labour and suppliers where possible.*

- Temporary employment creation

*Where appropriate, labour intensive construction methods should be used. Where possible training of labour should take place to improve benefits to individuals well beyond this project. Use of emerging contractors should take place where possible.*

**OPERATIONAL PHASE**

**Direct impacts:**

- Potential for the proposed development to impact on the character of the surrounding area and the visual quality of the landscape.

*The potential of the proposed development to impact negatively on the character of the area is anticipated to be minimal, due to the already developed nature of the surrounding areas.*

- Leakage from underground fuel tanks resulting in pollution of land (soil) and underground water

*All containment structures for polluted water should be lined to prevent seepage and pollution of groundwater.*

*Daily reconciliation of the volumes of petroleum products should be done to ensure early detection of a possible leak.*

*Leakage detectors and odour detectors should be installed. Checking for product losses should take place regularly. Any losses should be reported to the relevant oil company and relevant authorities within 14 days and the necessary remedial action taken.*

**Indirect impacts:**

- Potential for the proposed development to impact on the character of the surrounding area and the visual quality of the landscape

*The expansion of the diesel depot will serve to lessen the overall negative impact on the environment should the buildings be designed so that it blends in with the prevailing architectural character of the area.*

**Cumulative impacts:**

- Expansion of the diesel depot will impact positively on the local economy and land values

*The proposed development will create additional jobs for the local people.*

**DECOMMISSIONING**

**Direct impacts:**

- Should the proposed site be decommissioned then a new site has to be identified for the development of the filling station.

*Should the proposed site be decommissioned then a new site has to be identified for the development of the diesel depot. This will put more pressure to provide diesel in the community.*

**Indirect impacts:**

- People will lose their jobs should decommissioning take place.

*People will lose their jobs should decommissioning take place. This can have an impact on the crime in the area. Crime can increase due to job losses.*

**Cumulative impacts:**

- Negative impact on local economy

*The proposed development will contribute towards the socio-economy of the area.*

**3. ENVIRONMENTAL IMPACT STATEMENT**

Taking the assessment of potential impacts into account, please provide an environmental impact statement that summarises the impact that the proposed activity and its alternatives may have on the environment after the management and mitigation of impacts have been taken into account, with specific reference to types of impact, duration of impacts, likelihood of potential impacts actually occurring and the significance of impacts.

**Alternative A (preferred alternative)**

No ground clearance will take place during the expansion of the diesel depot. Trees and other indigenous shrubs should be left intact.

The impact will not be significant after mitigation measures are implemented as set out in the report.

The proposed area is big enough to expand the diesel depot. This type of development will not have a significant impact on the environment after the mitigation measures are put in place.

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**No-go alternative (compulsory)**

The demand for diesel will not be resolved should the filling station not be constructed.

**Alternative B**

**Alternative C**

**For more alternatives please continue as alternative D, E, etc.**

## SECTION E. RECOMMENDATION OF PRACTITIONER

Is the information contained in this report and the documentation attached hereto sufficient to make a decision in respect of the activity applied for (in the view of the environmental assessment practitioner)?

YES

If "NO", indicate the aspects that should be assessed further as part of a Scoping and EIA process before a decision can be made (list the aspects that require further assessment):

If "YES", please list any recommended conditions, including mitigation measures that should be considered for inclusion in any authorisation that may be granted by the department in respect of the application:

- **The mitigation measures stipulated in this report should be conveyed to contractors and persons responsible for construction.**
- **The mitigation section should be issued as a stand along document to all parties involved with the planning, implementation and operation of the proposed project.**
- **The applicant must monitor that all parties involved with the development of the institution are complying with the mitigation measures put out in this Basic Assessment Report.**
- **There should also be penalties for non-compliance.**

Is an EMPr attached?

YES

The EMPr must be attached as Appendix F.

## **SECTION F: APPENDIXES**

The following appendixes must be attached as appropriate:

Appendix A: Site plan(s)

Appendix B: Photographs

Appendix C: Facility illustration(s)

Appendix D: Specialist reports

Appendix E: Comments and responses report

Appendix F: Environmental Management Programme (EMPr)

Appendix G: Other information

- Assessment of Alternatives

## **SECTION G: DECLARATION BY THE ENVIRONMENTAL ASSESSMENT PRACTITIONER**

I, **Anton von Well** declare that I –

- (a) act as the independent environmental practitioner in this application;
- (b) do not have and will not have any financial interest in the undertaking of the activity, other than remuneration for work performed in terms of the Environmental Impact Assessment Regulations, 2014;
- (c) do not have and will not have a vested interest in the proposed activity proceeding;
- (d) have no, and will not engage in, conflicting interests in the undertaking of the activity;
- (e) undertake to disclose, to the competent authority, any material information that has or may have the potential to influence the decision of the competent authority or the objectivity of any report, plan or document required in terms of the Environmental Impact Assessment Regulations, 2006;
- (f) will ensure that information containing all relevant facts in respect of the application is distributed or made available to interested and affected parties and the public and that participation by interested and affected parties is facilitated in such a manner that all interested and affected parties will be provided with a reasonable opportunity to participate and to provide comments on documents that are produced to support the application;
- (g) will ensure that the comments of all interested and affected parties are considered and recorded in reports that are submitted to the Department in respect of the application, provided that comments that are made by interested and affected parties in respect of a final report that will be submitted to the Department may be attached to the report without further amendment to the report;
- (h) will keep a register of all interested and affected parties that participated in a public participation process; and
- (i) will provide the Department with access to all information at my disposal regarding the application, whether such information is favourable to the applicant or not.

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**Signature of the Environmental Assessment Practitioner:**

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**Name of company:**

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**Date:**