



TYPE OF DOCUMENT: DRAFT BASIC ASSESSMENT REPORT FOR ESTABLISHMENT OF A SHOPPING CENTER AND FUEL SERVICE STATION ON FARM AMELIA 518 METSI MAHOLO LOCAL MUNICIPALITY WITHIN HEILBROM DISTRICT OF FREE STATE PROVINCE.

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BASIC ASSESSMENT REPORT



destea

department of
economic, small business development,
tourism and environmental affairs
FREE STATE PROVINCE

(For official use only)

File Reference Number:

Application Number:

Date Received:

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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.

Kindly note that:

1. This **basic assessment report** is a standard report that may be required by a competent authority in terms of the EIA Regulations, 2014 and is meant to streamline applications. Please make sure that it is the report used by the particular competent authority for the activity that is being applied for.
2. This report format is current as of **08 December 2014**. It is the responsibility of the applicant to ascertain whether subsequent versions of the form have been published or produced by the competent authority
3. 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.
4. Where applicable **tick** the boxes that are applicable in the report.
5. An incomplete report may be returned to the applicant for revision.
6. 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 competent authority for assessing the application, it may result in the rejection of the application as provided for in the regulations.
7. This report must be handed in at offices of the relevant competent authority as determined by each authority.
8. No faxed or e-mailed reports will be accepted.
9. The signature of the EAP on the report must be an original signature.
10. The report must be compiled by an independent environmental assessment practitioner.
11. Unless protected by law, all information in the report will become public information on receipt by the competent authority. Any interested and affected party should be provided with the information contained in this report on request, during any stage of the application process.
12. A competent authority may require that for specified types of activities in defined situations only parts of this report need to be completed.

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13. Should a specialist report or report on a specialised process be submitted at any stage for any part of this application, the terms of reference for such report must also be submitted.
14. Two (2) colour hard copies and one (1) electronic copy of the report must be submitted to the competent authority.
15. Shape files (.shp) for maps must be included in the electronic copy of the report submitted to the competent authority.

SECTION A: ACTIVITY INFORMATION

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

| | |
|-----|-----|
| YES | NOX |
|-----|-----|

If YES, please complete the form entitled "Details of specialist and declaration of interest" for the specialist appointed and attach in Appendix I.

1. PROJECT DESCRIPTION

a) Describe the project associated with the listed activities applied for

Establishment of a fuel service station with a shopping centre on portion 4 of the farm Amelia 518 within Metsimaholo Local Municipality of district Heilbron in Free State province

b) Provide a detailed description of the listed activities associated with the project as applied for

| Listed activity as described in GN 983,984 and 985 | Description of project activity |
|--|---|
| Example: <i>GN 983 Item xx xx): The construction of a bridge where such construction occurs within a watercourse or within 32 metres of a watercourse, measured from the edge of a watercourse, excluding where such construction will occur behind the development setback line.</i> | <i>A bridge measuring 5 m in height and 10m in length, no wider than 8 meters will be built over the Orange river</i> |
| GN R.327, Listing Notice 1, Activity 27 The clearance of an area of 1 hectares or more, but less than 20 hectares of indigenous vegetation, except where such clearance of indigenous vegetation is required for- (i) the undertaking of a linear activity; or (ii) maintenance purposes | A shopping centre and a filling station will be established on farm Amelia 518 measuring 12,0861 hectares in size. |
| GN R.327, Listing Notice 1, Activity 28(ii) Residential, mixed, retail, commercial, industrial or institutional developments where such land was used for agriculture or afforestation on or after 01 April 1998 and where such development: (i) will occur inside an urban area, where the total land to be developed is bigger than 5 hectares; or (ii) will occur outside an urban area, where the total land to be developed is bigger than 1 hectare; excluding where such land has already been developed for residential, mixed, retail, commercial, industrial or institutional purposes. | A shopping centre and a filling station will be established on farm Amelia 518 measuring a total of 12,0861 hectares. |
| GN R.327, Listing Notice 1, Activity 14 The development of facilities or infrastructure, for the storage, or for the storage and handling, of a dangerous good, where such storage occurs in containers with a combined capacity of 80 cubic metres or more but not exceeding 500 cubic metres. | A fuel service station consisting of 4 x 50 000 litres petrol and diesel storage tanks will be developed |

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;
- (b) the type of activity to be undertaken;
- (c) the design or layout of the activity;
- (d) the technology to be used in the activity;
- (e) the operational aspects of the activity; and
- (f) the option of not implementing the activity.

Describe alternatives that are considered in this application as required by Appendix 1 (3)(h) of GN 982, Regulation 2014. Alternatives should include a consideration of all possible means by which the purpose and need of the proposed activity (NOT PROJECT) 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, competent authority 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.

The identification of alternatives should be in line with the Integrated Environmental Assessment Guideline Series 11, published by the DEA in 2004. Should the alternatives include different locations and lay-outs, the co-ordinates of the different alternatives must be provided. 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.

a) Site alternatives

| Alternative 1 (preferred alternative) | | |
|--|--------------|---------------|
| Description | Lat (DDMMSS) | Long (DDMMSS) |
| The Property is situated in the south eastern quadrant of the intersection of Provincial Roads P58/3 (R549) and P30/1 (R182) in Zamdela. No other alternatives were considered since this is the only property that the applicant owns in Zamdela. | 26°51'57"S. | 027°54'47"E. |
| Alternative 2: N/A | | |
| Description | Lat (DDMMSS) | Long (DDMMSS) |
| | | |
| Alternative 3: N/A | | |
| Description | Lat (DDMMSS) | Long (DDMMSS) |
| | | |

The preferred site is the only available site that was investigated.

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In the case of linear activities: N/A

Alternative:

Latitude (S):

Longitude (E):

Alternative S1 (preferred)

- 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.

In the case of an area being under application, please provide the co-ordinates of the corners of the site as indicated on the lay-out map provided in Appendix A of this form.

b) Lay-out alternatives: None

| Alternative 1 (preferred alternative) | | |
|--|--------------|---------------|
| Description | Lat (DDMMSS) | Long (DDMMSS) |
| | | |
| Alternative 2 | | |
| Description | Lat (DDMMSS) | Long (DDMMSS) |
| | | |
| Alternative 3 | | |
| Description | Lat (DDMMSS) | Long (DDMMSS) |
| | | |

c) Technology alternatives: None

| Alternative 1 (preferred alternative) |
|--|
| |
| Alternative 2 |
| |
| Alternative 3 |
| |

d) Other alternatives (e.g. scheduling, demand, input, scale and design alternatives)

| | | |
|--|--|--|
| Alternative 1 (preferred alternative) | | |
| | | |
| Alternative 2 | | |
| | | |
| Alternative 3 | | |

e) No-go alternative

The no-go alternative implies that the *status quo* remains and a new filling station and shopping centre would not be developed. Economic benefits related to the development include job opportunities during construction and operation as well as contribution to infrastructure development of the area.

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

3. PHYSICAL SIZE OF THE ACTIVITY

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

Alternative:

Alternative A1¹ (preferred activity alternative)
 Alternative A2 (if any)
 Alternative A3 (if any)

Size of the activity:

| |
|-----------------------|
| 120861 m ² |
| N/A m ² |
| N/A m ² |

or, for linear activities: **N/A**

Alternative:

Alternative A1 (preferred activity alternative)
 Alternative A2 (if any)
 Alternative A3 (if any)

Length of the activity:

| |
|---|
| M |
| m |
| m |

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

Alternative: N/A

Alternative A1 (preferred activity alternative)
 Alternative A2 (if any)
 Alternative A3 (if any)

Size of the site/servitude:

| |
|----------------|
| m ² |
| m ² |
| m ² |

¹ "Alternative A.." refer to activity, process, technology or other alternatives.

4. SITE ACCESS

Does ready access to the site exist?

| | |
|------|----|
| YESX | NO |
| | m |

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

Describe the type of access road planned: The main access to the township is from Road B on R549 as indicated on figure 1 below.

Figure 1: Access road in relation to the site.



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.

5. 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 accurate indication of the project site position as well as the positions of the alternative sites, if any;
- indication of all the alternatives identified;
- closest town(s);
- 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 and decimal minutes. The minutes should have at least three decimals to ensure adequate accuracy. The projection that must be used in all cases is the WGS84 spheroid in a national or local projection.

6. LAYOUT/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:

- the property boundaries and numbers of all the properties within 50 metres of the site;
- the current land use as well as the land use zoning of the site;
- the current land use as well as the land use zoning each of the properties adjoining the site or sites;
- the exact position of each listed activity applied for (including alternatives);
- servitude(s) indicating the purpose of the servitude;
- a legend; and
- a north arrow.

7. SENSITIVITY MAP

The layout/route plan as indicated above must be overlain with a sensitivity map that indicates all the sensitive areas associated with the site, including, but not limited to:

- watercourses;
- the 1:100 year flood line (where available or where it is required by DWS);
- ridges;
- cultural and historical features;
- areas with indigenous vegetation (even if it is degraded or infested with alien species); and
- critical biodiversity areas.

The sensitivity map must also cover areas within 100m of the site and must be attached in Appendix A.

8. 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 report. It must be supplemented with additional photographs of relevant features on the site, if applicable.

9. FACILITY ILLUSTRATION

A detailed illustration of the activity must be provided at a scale of at least 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.

10. ACTIVITY MOTIVATION

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

| | | | |
|--|------|-----|----------------|
| 1. Is the activity permitted in terms of the property's existing land use rights? | YESX | NO | Please explain |
| An application for establishment of a township, business type D and special business for development of a shopping centre, filling station, taxi and bus terminal is lodged with the Local Municipality. In terms of the municipal land use plan the proposed area for the development falls within the permitted area for the aforesaid type of business. | | | |
| 2. Will the activity be in line with the following? | | | |
| (a) Provincial Spatial Development Framework (PSDF) | YESX | NO | Please explain |
| The provincial Spatial Development Framework states that an opportunity exists to build businesses in the area. This opportunity has been identified because of the fact that not all people in the country have access to proper shopping centres as well as bus and taxi ranks. | | | |
| (b) Urban edge / Edge of Built environment for the area | YESX | NO | Please explain |
| In terms of the municipal SDF, the development area within the urban edge of the municipality. | | | |
| (c) Integrated Development Plan (IDP) and Spatial Development Framework (SDF) of the Local Municipality (e.g. would the approval of this application compromise the integrity of the existing approved and credible municipal IDP and SDF?). | YES | NOX | Please explain |
| The proposed area for development falls within the local municipal area restricted for business purposes and is in line with the municipal SDF. The development does not go against any of the objectives set within the municipality IDPs of creating more job opportunities. The proposed activity and its associated infrastructure will assist in local job creation during the construction and operational phases of the project. The municipality is in support of the activity as it will address one of the priority issues in the IDP. | | | |
| (d) Approved Structure Plan of the Municipality | YES | NOX | Please explain |
| Approval for township establishment has not been granted by the municipality. Structure plan will be submitted for approval by the municipality once the township has been approved and approval for EIA is in place. | | | |

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| <p>(e) An Environmental Management Framework (EMF) adopted by the Department (e.g. Would the approval of this application compromise the integrity of the existing environmental management priorities for the area and if so, can it be justified in terms of sustainability considerations?)</p> | YES | NOX | Please explain |
| <p>The proposed development will require mitigation of potential negative environmental impacts during the construction phase of the project rather than active environmental management. An Environmental Management Programme (EMPr) has been developed for the project to ensure that all impacts identified are managed and mitigated. Refer to the attached EMPr attached as Appendix G for more information.</p> | | | |
| <p>(f) Any other Plans (e.g. Guide Plan)</p> | XYES | NO | Please explain |
| <p>The environmental management plan developed as a guideline document for management of environmental impacts emanating from construction and operation activities of the development.</p> | | | |
| <p>3. Is the land use (associated with the activity being applied for) considered within the timeframe intended by the existing approved SDF agreed to by the relevant environmental authority (i.e. is the proposed development in line with the projects and programmes identified as priorities within the credible IDP)?</p> | YESX | NO | Please explain |
| <p>The municipal IDP is in support of the business development of a shopping centre and the filling station in the area and within the timeframe intended by the existing approved SDF.</p> | | | |
| <p>4. Does the community/area need the activity and the associated land use concerned (is it a societal priority)? (This refers to the strategic as well as local level (e.g. development is a national priority, but within a specific local context it could be inappropriate.)</p> | YESX | NO | Please explain |
| <p>One of the major problems identified within the area is lack of employment skilled people. One of the strategies to be undertaken is capacity building and skills development to locals. The proposed facility will create job opportunities and provide skills development to the local communities. South Africa has a high level of informal settlement, and this proposed development is viewed as a positive response to the current dire situation.</p> | | | |
| <p>5. Are the necessary services with adequate capacity currently available (at the time of application), or must additional capacity be created to cater for the development? (Confirmation by the relevant Municipality in this regard must be attached to the final Basic Assessment Report as Appendix I.)</p> | YESX | NO | Please explain |
| <p>The municipality has confirmed the availability of adequate capacity for infrastructure required by the activity. A letter from the municipality has been attached as appendix D for more information. Existing roads (R549 and R82) will be used for access to the proposed development.</p> | | | |

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| <p>6. Is this development provided for in the infrastructure planning of the municipality, and if not what will the implication be on the infrastructure planning of the municipality (priority and placement of services and opportunity costs)? (Comment by the relevant Municipality in this regard must be attached to the final Basic Assessment Report as Appendix I.)</p> | YESX | NO | Please explain |
| <p>The Municipal confirmation to provide services to the area is sufficient proof that the development is provided in the infrastructure planning of the municipality. Refer to appendix D for more information. The activity is furthermore proposed on agricultural land with no existing infrastructure; however, there is a plan by the municipality to establish a new road across the area and new housing development with its associated infrastructure adjacent to the activity area. Refer to appendix B attached as facility illustration. The opportunity cost of not constructing the proposed mixed-se township would be the maintenance of the current status quo, which is subsistence agriculture.</p> | | | |
| <p>7. Is this project part of a national programme to address an issue of national concern or importance?</p> | YES | NOX | Privately initiated |
| <p>The NDP supports the provision of well structured business facilities for the residents of the Republic. Renewable energy will be used as an alternative for energy demand for the facility, the integrated Resource Plan for Electricity (IRP2) (2011) suggests that 42% of national energy supply must come from renewable energy sources between 2010 and 2030. Furthermore, people must be provided with proper and safe taxi and bus terminals.</p> | | | |
| <p>8. Do location factors favour this land use (associated with the activity applied for) at this place? (This relates to the contextualisation of the proposed land use on this site within its broader context.)</p> | YESX | NO | Please explain |
| <p>The location for the proposed project is favourable based on accessibility and availability of land. The area will be accessed through existing R549 and R82 provincial roads and the 12,0861 hectare piece of land is big enough to accommodate the proposed facility. Furthermore, the lack of a shopping centre, filling station, bus and taxi terminal in the area makes it a very favourable location for the proposed development.</p> | | | |
| <p>9. Is the development the best practicable environmental option for this land/site?</p> | YESX | NO | Please explain |
| <p>The area for development is already degraded and there are no red data species that will require special environmental protection identified.</p> | | | |
| <p>10. Will the benefits of the proposed land use/development outweigh the negative impacts of it?</p> | YESX | NO | Please explain |
| <p>If the area is not developed the area will remain degraded and the community will still suffer having to travel long distances to do their shopping.</p> | | | |

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|--|----------------|-----|----------------|
| 11. Will the proposed land use/development set a precedent for similar activities in the area (local municipality)? | YESX | NO | Please explain |
| The proposed development will be the one in the area since there is a shortage of business centres for retail in the area. | | | |
| 12. Will any person's rights be negatively affected by the proposed activity/ies? | YES | NOX | Please explain |
| A detailed public participation process was conducted and there are no objections received from the community regarding the development of the facility. | | | |
| 13. Will the proposed activity/ies compromise the "urban edge" as defined by the local municipality? | YES | NOX | Please explain |
| The area for the development is located within an agricultural land and is in not against the urban edge as defined by the municipality. | | | |
| 14. Will the proposed activity/ies contribute to any of the 17 Strategic Integrated Projects (SIPS)? | YESX | NO | Please explain |
| The proposed development will be contributing to the Strategic Integrated Projects (SIPS) as it will be unlocking the economic opportunities and Integrating Urban Space and Public Transport Programme within the Metsimaholo Local Municipality | | | |
| 15. What will the benefits be to society in general and to the local communities? | Please explain | | |
| The society will benefit from Infrastructure development, Job creation, skills development and capacity building. | | | |
| 16. Any other need and desirability considerations related to the proposed activity? | Please explain | | |
| Provision of a bus and taxi rank | | | |
| 17. How does the project fit into the National Development Plan for 2030? | Please explain | | |
| The proposed development will be helping eliminate poverty by creating jobs, promoting leadership and growing the community. | | | |
| 18. Please describe how the general objectives of Integrated Environmental Management as set out in section 23 of NEMA have been taken into account. | | | |
| Activities from the proposed development that will likely impact on the environment were identified and evaluated, including socio economic conditions and cultural heritage issues as well as providing options for mitigating impacts identified. Public participation process was followed, Public meetings were held and the project was advertised. Concerns raised by interested and affected parties were registered and addressed. | | | |
| 19. Please describe how the principles of environmental management as set out in section 2 of NEMA have been taken into account. | | | |
| The project will be based on the principles of sustainable economic, environmental and social integration in order to provide an enabling framework for locals. Applicable legislation, policies and guidelines were taken into consideration during the Basic Assessment process. | | | |

11. 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:

| Title of legislation, policy or guideline | Applicability to the project | Administering authority | Date |
|--|---|--|---------------|
| In Chapter 2 under Section 24b | Bill of rights | The constitution of South Africa | |
| EIA Regulations | EIA guideline document | Department of Agriculture and Environment | December 2014 |
| National Heritage Resources Act | Cultural and heritage issues | South African Heritage Resources Agency(SAHRA) | 1999 |
| National Environmental Management Act(Act 107 of 1998) | Applicable legislation to environment | Department of Agriculture and Environment | 1998 |
| National Water Act (Act 39 of 1998) | Impact on water resources and management | Department of Water and Sanitation | 1998 |
| Conservation of Agricultural Resources Act (Act No.43 of 1983) | Land currently rezoned for agriculture | Department of Agriculture and Environment | 1983 |
| National Environment Management; Waste Act (Act 59 of 2008) | Storage and disposal of waste generated by development activities | Department of Agriculture and Environment | 2008 |
| Promotion of Access to Information Act, 2000 (Act No. 2 of 2000) | Public access to information including I&AP'S | | 2000 |
| Occupational Health and Safety Act, 1993 (Act No. 85 of 1993) | Management of Health and Safety during construction | Department of Labour | 1993 |

12. WASTE, EFFLUENT, EMISSION AND NOISE MANAGEMENT

a) Solid waste management

Will the activity produce solid construction waste during the construction/initiation phase?

| | |
|-------------------|----|
| YESX | NO |
| ±35m ³ | |

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

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

Refuse/ solid waste will be collected and stored in refuse bins and skips until such time when it will be collected for disposal at the municipal landfill site. However some will be recycled and used for sub-base activities

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

At the municipal landfill site.

Will the activity produce solid waste during its operational phase?

| | |
|-------------------|----|
| YESX | NO |
| 5.7m ³ | |

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

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

Solid waste will be collected in skips, bins and disposed at the Municipal landfill site

If the solid waste will be disposed of into a municipal waste stream, indicate which registered landfill site will be used.

Matsimaholo Local Municipality landfill site

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

N/A

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 competent authority 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 NEM:WA?

| | |
|-----|-----|
| YES | NOX |
|-----|-----|

If YES, inform the competent authority and request a change to an application for scoping and EIA. An application for a waste permit in terms of the NEM:WA must also be submitted with this application.

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

| | |
|-----|-----|
| YES | NOX |
|-----|-----|

If YES, then the applicant should consult with the competent authority to determine whether it is necessary to change to an application for scoping and EIA. An application for a waste permit in terms of the NEM:WA must also be submitted with this application.

b) Liquid effluent

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

| | |
|-----|-----|
| YES | NOX |
|-----|-----|

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

m³

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

| | |
|-----|-----|
| YES | NOX |
|-----|-----|

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.

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

| | |
|-----|-----|
| YES | NOX |
|-----|-----|

If YES, provide the particulars of the facility: **N/A**

| | | | |
|------------------------|--------------|--|--|
| 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:

c) Emissions into the atmosphere

Will the activity release emissions into the atmosphere other than exhaust emissions and dust associated with construction phase activities?

| | |
|-----|-----|
| YES | NOX |
|-----|-----|

If YES, is it controlled by any legislation of any sphere of government?

| | |
|-----|----|
| YES | NO |
|-----|----|

If YES, the applicant must 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:

N/A

d) Waste permit

Will any aspect of the activity produce waste that will require a waste permit in terms of the NEM:WA?

| | |
|-----|-----|
| YES | NOX |
|-----|-----|

If YES, please submit evidence that an application for a waste permit has been submitted to the competent authority

e) Generation of noise

Will the activity generate noise?

| | |
|-----|-----|
| YES | NOX |
|-----|-----|

If YES, is it controlled by any legislation of any sphere of government?

| | |
|-----|----|
| YES | NO |
|-----|----|

Describe the noise in terms of type and level:

N/A

13. WATER USE

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

| | | | | | |
|-------------|-------------|-------------|----------------------------|-------|---------------------------------|
| Municipal X | Water board | Groundwater | River, stream, dam or lake | Other | The activity will not use water |
|-------------|-------------|-------------|----------------------------|-------|---------------------------------|

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:

Does the activity require a water use authorisation (general authorisation or water use license) from the Department of Water Affairs?

Refer to the letter from Metsimaholo local municipality attached as **Appendix D: Specialists studies.**

| | |
|--------|-----|
| Litres | |
| YES | NOX |

If YES, please provide proof that the application has been submitted to the Department of Water Affairs.

14. ENERGY EFFICIENCY

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

- The use of low voltage or compact fluorescent lamps or bulbs
- Automated garden lamps and outside lighting to be installed where necessary.

Describe how alternative energy sources have been taken into account or been built into the design of the activity, if any:

- Solar energy solution is being considered as an alternative source of energy. Solar panels will be installed to supply energy for air conditioning, geysers, computers, lights, etc.
- The use of insulated ceiling/roof
- The use of appliances with energy saving models

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 B and indicate the area, which is covered by each copy No. on the Site Plan.

Section B 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? **YESX** **NO**
 If YES, please complete the form entitled "Details of specialist and declaration of interest" for each specialist thus appointed and attach it in Appendix I. All specialist reports must be contained in Appendix D.

Property description/physical address:

| | |
|------------------------------|--------------------------------|
| Province | Free State |
| District Municipality | Heilbron District |
| Local Municipality | Metsimaholo Local Municipality |
| Ward Number(s) | |
| Farm name and number | Amelia 518 |
| Portion number | 2 |
| SG Code | |

Where a large number of properties are involved (e.g. linear activities), please attach a full list to this application including the same information as indicated above.

Current land-use zoning as per local municipality IDP/records:

Agriculture

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? **YESX** **NO**

BASIC ASSESSMENT REPORT

1. GRADIENT OF THE SITE

Indicate the general gradient of the site.

Alternative S1:

| | | | | | | |
|------|-------------|-------------|-------------|--------------|-------------|------------------|
| 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 |
|------|-------------|-------------|-------------|--------------|-------------|------------------|

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 |
|------|-------------|-------------|-------------|--------------|-------------|------------------|

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 |
|------|-------------|-------------|-------------|--------------|-------------|------------------|

2. LOCATION IN LANDSCAPE

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

| | | | | | |
|---------------------------------|-------------------------------------|-------------------|--------------------------|----------------------------------|--------------------------|
| 2.1 Ridgeline | <input type="checkbox"/> | 2.4 Closed valley | <input type="checkbox"/> | 2.7 Undulating plain / low hills | <input type="checkbox"/> |
| 2.2 Plateau | <input type="checkbox"/> | 2.5 Open valley | <input type="checkbox"/> | 2.8 Dune | <input type="checkbox"/> |
| 2.3 Side slope of hill/mountain | <input checked="" type="checkbox"/> | 2.6 Plain | <input type="checkbox"/> | 2.9 Seafront | <input type="checkbox"/> |
| 2.10 At sea | <input type="checkbox"/> | | | | |

3. GROUNDWATER, SOIL AND GEOLOGICAL STABILITY OF THE SITE

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

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

Refer the **Geo-hydrological report attached as appendix D** for more information.

If you are unsure about any of the above or if you are concerned that any of the above aspects may be an issue of concern in the application, an appropriate specialist should be appointed to assist in the completion of this section. Information in respect of the above will often be available as part of the project information or at the planning sections of local authorities. Where it exists, the 1:50 000 scale Regional Geotechnical Maps prepared by the Council for Geo Science may also be consulted.

BASIC ASSESSMENT REPORT

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).

| | | | | |
|--|---|--|--|-----------|
| Natural veld - good condition ^E | Natural veld with scattered aliens ^E | Natural veld with heavy alien infestation ^E | Veld dominated by alien species ^E | Gardens |
| Sport field | Cultivated land | Paved surface | Building or other structure | Bare soil |

If any of the boxes marked with an “E” is ticked, please consult an appropriate specialist to assist in the completion of this section if the environmental assessment practitioner doesn’t have the necessary expertise.

5. SURFACE WATER

Indicate the surface water present on and or adjacent to the site and alternative sites?

| | | | |
|------------------------------|-----|-----|--------|
| Perennial River | YES | NOX | UNSURE |
| Non-Perennial River | YES | NOX | UNSURE |
| Permanent Wetland | YES | NOX | UNSURE |
| Seasonal Wetland | YES | NOX | UNSURE |
| Artificial Wetland | YES | NOX | UNSURE |
| Estuarine / Lagoonal wetland | YES | NOX | UNSURE |

If any of the boxes marked YES or UNSURE is ticked, please provide a description of the relevant watercourse.

| |
|--|
| |
| |
| |
| |
| |
| |

BASIC ASSESSMENT REPORT

6. LAND USE CHARACTER OF SURROUNDING AREA

Indicate land uses and/or prominent features that 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:

| | | |
|--|---|----------------------------------|
| Natural area | Dam or reservoir | Polo fields |
| Low density residential | Hospital/medical centre | Filling station ^H |
| Medium density residential | School | Landfill or waste treatment site |
| High density residential | Tertiary education facility | Plantation |
| Informal residential ^A | Church | Agriculture |
| Retail commercial & warehousing | Old age home | River, stream or wetland |
| Light industrial | Sewage treatment plant ^A | Nature conservation area |
| Medium industrial ^{AN} | Train station or shunting yard ^N | Mountain, koppie or ridge |
| Heavy industrial ^{AN} | Railway line ^N | Museum |
| Power station | Major road (4 lanes or more) ^N | Historical building |
| Office/consulting room | Airport ^N | Protected Area |
| Military or police base/station/compound | Harbour | Graveyard |
| Spoil heap or slimes dam ^A | Sport facilities | Archaeological site |
| Quarry, sand or borrow pit | Golf course | 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? Specify and explain:

N/A

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

N/A

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

N/A

Does the proposed site (including any alternative sites) fall within any of the following:

| | | |
|--|-----|-----|
| Critical Biodiversity Area (as per provincial conservation plan) | YES | NOX |
| Core area of a protected area? | YES | NOX |
| Buffer area of a protected area? | YES | NOX |
| Planned expansion area of an existing protected area? | YES | NOX |
| Existing offset area associated with a previous Environmental Authorisation? | YES | NOX |
| Buffer area of the SKA? | YES | NOX |

If the answer to any of these questions was YES, a map indicating the affected area must be included in Appendix A.

7. 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 Archaeological or paleontological sites, on or close (within 20m) to the site? If YES, explain:

| | |
|-----------|-----|
| YES | NOX |
| Uncertain | |

N/A

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

N/A

Will any building or structure older than 60 years be affected in any way?
Is it necessary to apply for a permit in terms of the National Heritage Resources Act, 1999 (Act 25 of 1999)?

| | |
|-----|-----|
| YES | NOX |
| YES | NOX |

If YES, please provide proof that this permit application has been submitted to SAHRA or the relevant provincial authority.

8. SOCIO-ECONOMIC CHARACTER

a) Local Municipality

Please provide details on the socio-economic character of the local municipality in which the proposed site(s) are situated.

Level of unemployment:

28 % of population are unemployed

Economic profile of local municipality:

Level of education:

25% of the adult population have an education of matric and higher

b) Socio-economic value of the activity

What is the expected capital value of the activity on completion?
What is the expected yearly income that will be generated by or as a result of the activity?
Will the activity contribute to service infrastructure?
Is the activity a public amenity?

| | |
|--------------|----|
| R829 076 400 | |
| R247 921 200 | |
| YESX | NO |
| YESX | NO |

BASIC ASSESSMENT REPORT

| | |
|--|-----------|
| How many new employment opportunities will be created in the development and construction phase of the activity/ies? | R Unknown |
| What is the expected value of the employment opportunities during the development and construction phase? | R Unknown |
| What percentage of this will accrue to previously disadvantaged individuals? | 70% |
| How many permanent new employment opportunities will be created during the operational phase of the activity? | Unknown |
| What is the expected current value of the employment opportunities during the first 10 years? | R Unknown |
| What percentage of this will accrue to previously disadvantaged individuals? | 70% |

9. BIODIVERSITY

Please note: The Department may request specialist input/studies depending on the nature of the biodiversity occurring on the site and potential impact(s) of the proposed activity/ies. To assist with the identification of the biodiversity occurring on site and the ecosystem status consult <http://bgis.sanbi.org> or BGIShelp@sanbi.org. Information is also available on compact disc (cd) from the Biodiversity-GIS Unit, Ph (021) 799 8698. This information may be updated from time to time and it is the applicant/EAP's responsibility to ensure that the latest version is used. A map of the relevant biodiversity information (including an indication of the habitat conditions as per (b) below) and must be provided as an overlay map to the property/site plan as Appendix D to this report.

- a) **Indicate the applicable biodiversity planning categories of all areas on site and indicate the reason(s) provided in the biodiversity plan for the selection of the specific area as part of the specific category)**

| Systematic Biodiversity Planning Category | | | | If CBA or ESA, indicate the reason(s) for its selection in biodiversity plan |
|---|-------------------------------|--------------------------|---------------------------------|--|
| Critical Biodiversity Area (CBA) | Ecological Support Area (ESA) | Other Natural Area (ONA) | No Natural Area Remaining (NNR) | |
| | | | | |
| | | | | |

- b) **Indicate and describe the habitat condition on site**

| Habitat Condition | Percentage of habitat condition class (adding up to 100%) | Description and additional Comments and Observations (including additional insight into condition, e.g. poor land management practises, presence of quarries, grazing, harvesting regimes etc). |
|--|---|---|
| Natural | 0% | Disturbed land due to old agricultural practices |
| Near Natural (includes areas with low to moderate level) | 30% | Disturbed land due to old agricultural practices |

BASIC ASSESSMENT REPORT

| | | |
|---|-----|--|
| of alien invasive plants) | | |
| Degraded (includes areas heavily invaded by alien plants) | 0% | |
| Transformed (includes cultivation, dams, urban, plantation, roads, etc) | 90% | Disturbed land due to old agricultural practices |

c) Complete the table to indicate:

- (i) the type of vegetation, including its ecosystem status, present on the site; and
- (ii) whether an aquatic ecosystem is present on site.

| Terrestrial Ecosystems | | Aquatic Ecosystems | | | | | | | | |
|--|------------------|---|-----|--------|---------|-----|-----------|----|--|--|
| Ecosystem threat status as per the National Environmental Management: Biodiversity Act (Act No. 10 of 2004) | Critical | Wetland (including rivers, depressions, channelled and unchannelled wetlands, flats, seeps pans, and artificial wetlands) | | | Estuary | | Coastline | | | |
| | Endangered | | | | | | | | | |
| | Vulnerable | | | | | | | | | |
| | Least Threatened | | | | | | | | | |
| | | YES | NOX | UNSURE | YES | NOX | YES | NO | | |

d) Please provide a description of the vegetation type and/or aquatic ecosystem present on site, including any important biodiversity features/information identified on site (e.g. threatened species and special habitats)

SECTION C: PUBLIC PARTICIPATION

1. ADVERTISEMENT AND NOTICE

| | | |
|-----------------------------|-----------------|------------------|
| Publication name | The Citizen | |
| Date published | 14 May 2019 | |
| Site notice position | Latitude | Longitude |
| | S26 52' 0.30 | E27 53 ' 64.3' |
| Date placed | 16 May 2019 | |

Include proof of the placement of the relevant advertisements and notices in Appendix E1.

2. DETERMINATION OF APPROPRIATE MEASURES

Provide details of the measures taken to include all potential I&APs as required by Regulation 41(2)(e) and 41(6) of GN 982

Key stakeholders (other than organs of state) identified in terms of Regulation 41(2)(b) of GN 982

| Title, Name and Surname | Affiliation/ key stakeholder status | Contact details (tel number or e-mail address) |
|--|--|---|
| Refer to the attached public meeting attendance register | | |
| | | |
| | | |

Include proof that the key stakeholder received written notification of the proposed activities as Appendix E2. This proof may include any of the following:

- e-mail delivery reports;
- registered mail receipts;
- courier waybills;
- signed acknowledgements of receipt; and/or
- or any other proof as agreed upon by the competent authority.

3. ISSUES RAISED BY INTERESTED AND AFFECTED PARTIES

| Summary of main issues raised by I&APs | Summary of response from EAP |
|--|--|
| Request for a taxi rank to be included as part of the development | Request to be forwarded to the applicant |
| Local to be considered for renting of shops at the shopping centre | Request to be forwarded to the applicant |
| No objection, happy and support the proposed development | Noted |

4. COMMENTS AND RESPONSE REPORT

The practitioner must record all comments received from I&APs and respond to each comment before the Draft BAR is submitted. The comments and responses must be captured in a comments and response report as prescribed in the EIA regulations and be attached to the Final BAR as Appendix E3.

5. AUTHORITY PARTICIPATION

Authorities and organs of state identified as key stakeholders:

| Authority/Organ of State | Contact person (Title, Name and Surname) | Tel No | Fax No | e-mail | Postal address |
|------------------------------------|--|------------------------------|--------|---------------------------------|--|
| Metsimaholo Local Municipality | A.K Mare | 079 191 1144 | | Gino.alberts@metsimaholo.gov.za | PO Box 60 Sasolburg Free State 1946 |
| Department of Water and Sanitation | P Khwinana | 012 372 1356 082 923 8145 | | khwinanaP@dws.gov.za | Private Bag X995 Pretoria 0001 |
| Department of Water and Sanitation | N Mfuywa | 012 372 1370 082 923 8993 | | MfuyawaN@dws.gov.za | Private Bag X995 Pretoria 0001 |

Include proof that the Authorities and Organs of State received written notification of the proposed activities as appendix E4.

In the case of renewable energy projects, Eskom and the SKA Project Office must be included in the list of Organs of State.

6. CONSULTATION WITH OTHER STAKEHOLDERS

Note that, for any activities (linear or other) where deviation from the public participation requirements may be appropriate, the person conducting the public participation process may deviate from the requirements of that sub-regulation to the extent and in the manner as may be agreed to by the competent authority.

Proof of any such agreement must be provided, where applicable. Application for any deviation from the regulations relating to the public participation process must be submitted prior to the commencement of the public participation process.

A list of registered I&APs must be included as appendix E5.

Copies of any correspondence and minutes of any meetings held must be included in Appendix E6.

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. 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

Provide a summary and anticipated significance of the potential direct, indirect and cumulative impacts 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. This impact assessment must be applied to all the identified alternatives to the activities identified in Section A(2) of this report.

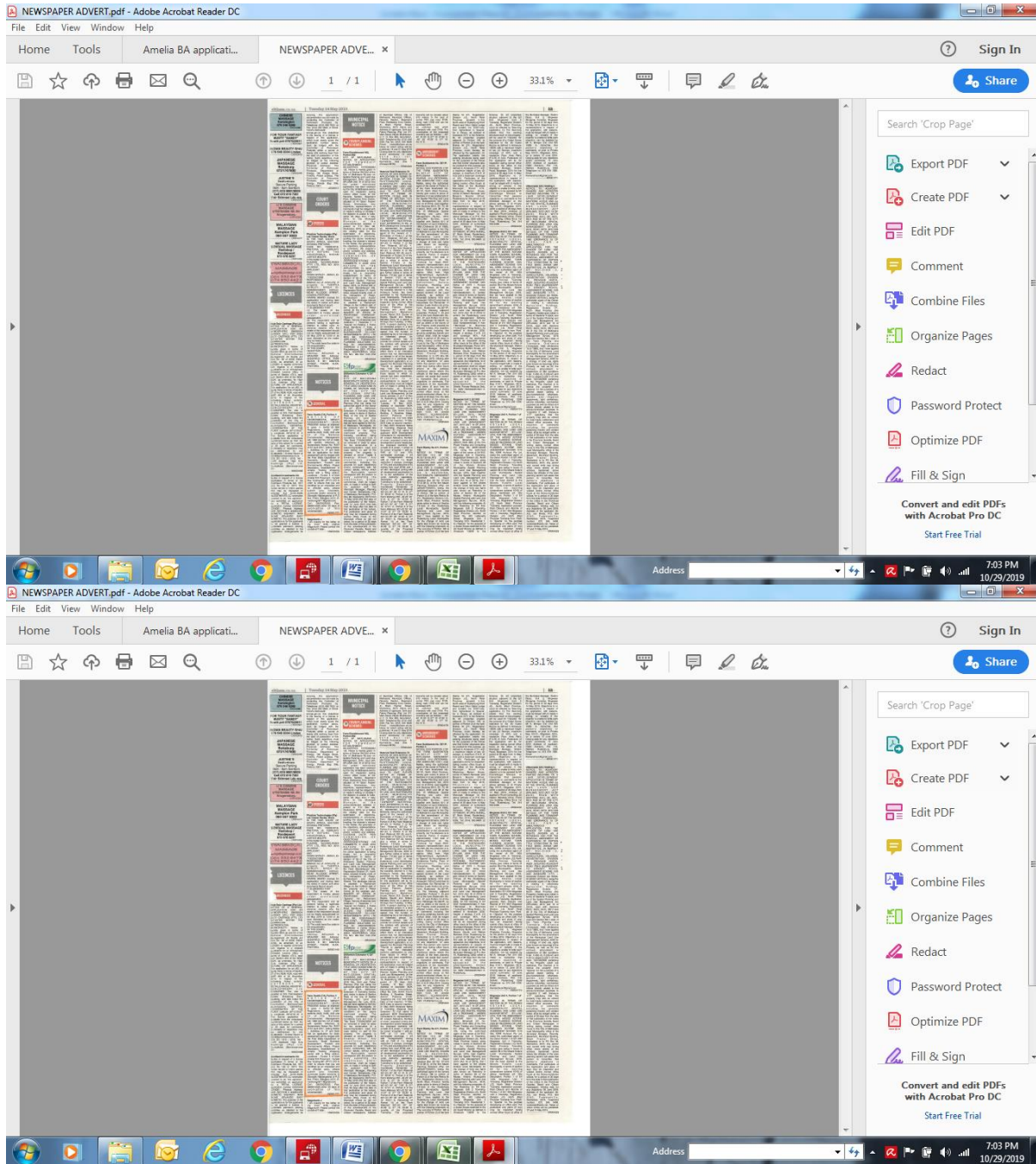
| Activity | Impact summary | Significance | Proposed mitigation |
|--|---|--------------|---------------------|
| Alternative 1 (preferred alternative) | | | |
| | Direct impacts: No direct impacts are expected. | | |
| | Indirect impacts: None | | |
| | Cumulative impacts: None | | |
| | Direct impacts: None | | |
| | Indirect impacts: None | | |
| | Cumulative impacts: None | | |
| Alternative 2: N/A | | | |
| | Direct impacts: | | |
| | Indirect impacts: | | |
| | Cumulative impacts: | | |
| | Direct impacts: | | |
| | Indirect impacts: | | |
| | Cumulative impacts: | | |
| Alternative 3: N/A | | | |
| | Direct impacts: | | |

BASIC ASSESSMENT REPORT

| Activity | Impact summary | Significance | Proposed mitigation |
|---------------------|------------------------------------|--------------|---------------------|
| | | | |
| | Indirect impacts: | | |
| | Cumulative impacts: | | |
| | Direct impacts: | | |
| | Indirect impacts: | | |
| | Cumulative impacts: | | |
| No-go option | | | |
| | Direct impacts: None | | |
| | Indirect impacts: None | | |
| | Cumulative impacts: None | | |

A complete impact assessment in terms of Regulation 19(3) of GN 982 must be included as Appendix F.

BASIC ASSESSMENT REPORT



2. 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)

It is our opinion that the development of this shopping complex and filling station will not have any

negative environmental impacts that could not be mitigated. The fuel tanks will be installed underground. The water levels are 13m deep and contamination of underground water is insignificant. In view of the extent of the area that is going to be utilized by the developer and without applying extensive civil engineering methods, there will be minimum disturbance to the social and biophysical environment. The proposed mitigations will reduce any impact that will occur during all stages of the project.

Alternative B

| |
|--|
| |
|--|

Alternative C

| |
|--|
| |
|--|

No-go alternative (compulsory)

| |
|--|
| |
|--|

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)?

| | |
|------|----|
| YESX | NO |
|------|----|

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).

| |
|-----|
| N/A |
|-----|

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 competent authority in respect of the application.

| |
|---|
| No special conditions are recommended to be included in the authorization that may be granted by the competent authority other than specifying that compliance to the EMPr and recommendations for mitigation of possible impacts should be adhered to. |
|---|

Is an EMPr attached?

| | |
|------|----|
| YESX | NO |
|------|----|

The EMPr must be attached as Appendix G.

The details of the EAP who compiled the BAR and the expertise of the EAP to perform the Basic Assessment process must be included as Appendix H.

If any specialist reports were used during the compilation of this BAR, please attach the declaration of interest for each specialist in Appendix I.

Any other information relevant to this application and not previously included must be attached in Appendix J.

Sibongile Hlabangwane

NAME OF EAP

SIGNATURE OF EAP

DATE

SECTION F: APPENDIXES

The following appendixes must be attached:

Appendix A: Maps

Appendix B: Photographs

Appendix C: Facility illustration(s)

Appendix D: Specialist reports (including terms of reference)

Appendix E: Public Participation

Appendix F: Impact Assessment

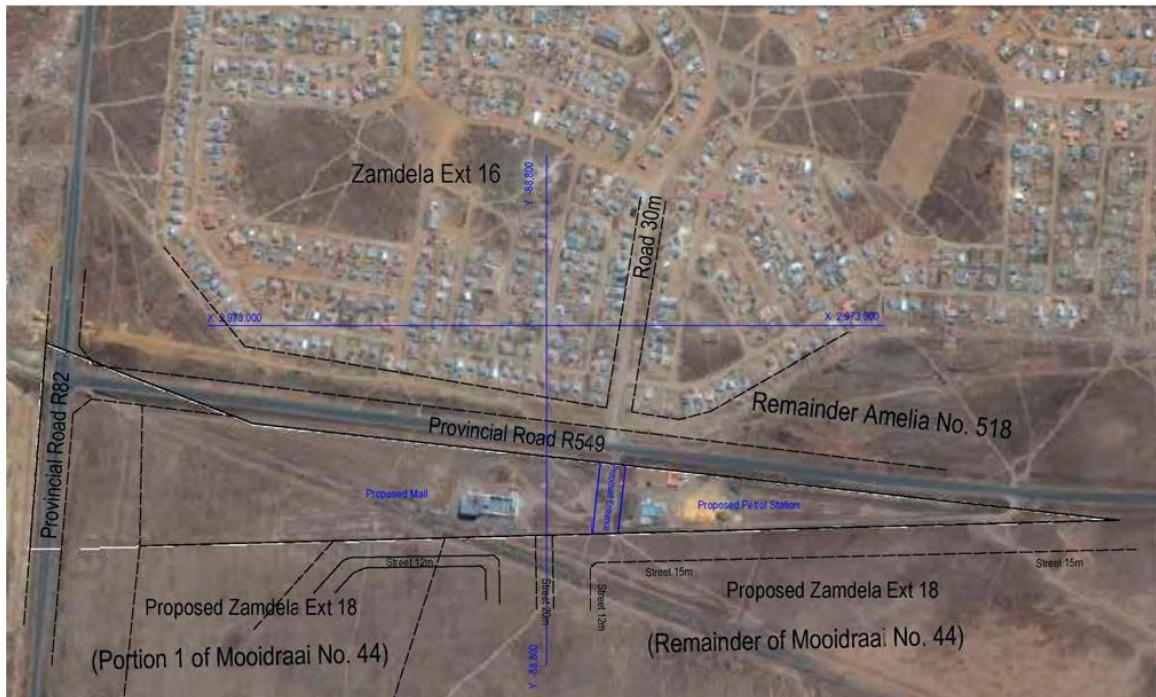
Appendix G: Environmental Management Programme (EMPr)

Appendix H: Details of EAP and expertise

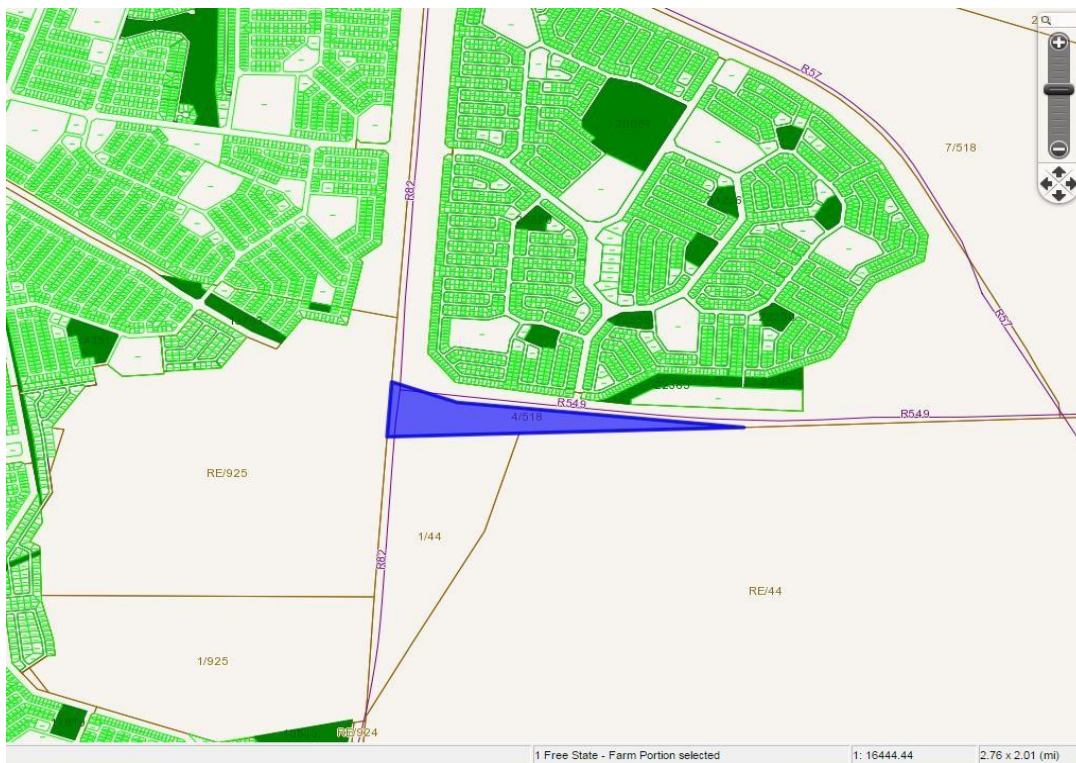
Appendix I: Specialist's declaration of interest

Appendix J: Additional Information

APPENDIX A: MAPS



Locality map



“JWALE KE NAKO YA KOTULO, RE A KUBELE TSA”

www.edtea.fs.gov.za

APPENDIX B: PHOTOGRAPHS



Existing shop at the centre of the proposed site for development



Other structures within the site of development

“JWALE KE NAKO YA KOTULO, RE A KUBELETSA”

www.edtea.fs.gov.za



Existing Amelia shop on site



Old milling structure on site

“JWALE KE NAKO YA KOTULO, RE A KUBELETSA”

www.edtea.fs.gov.za



Old agricultural field

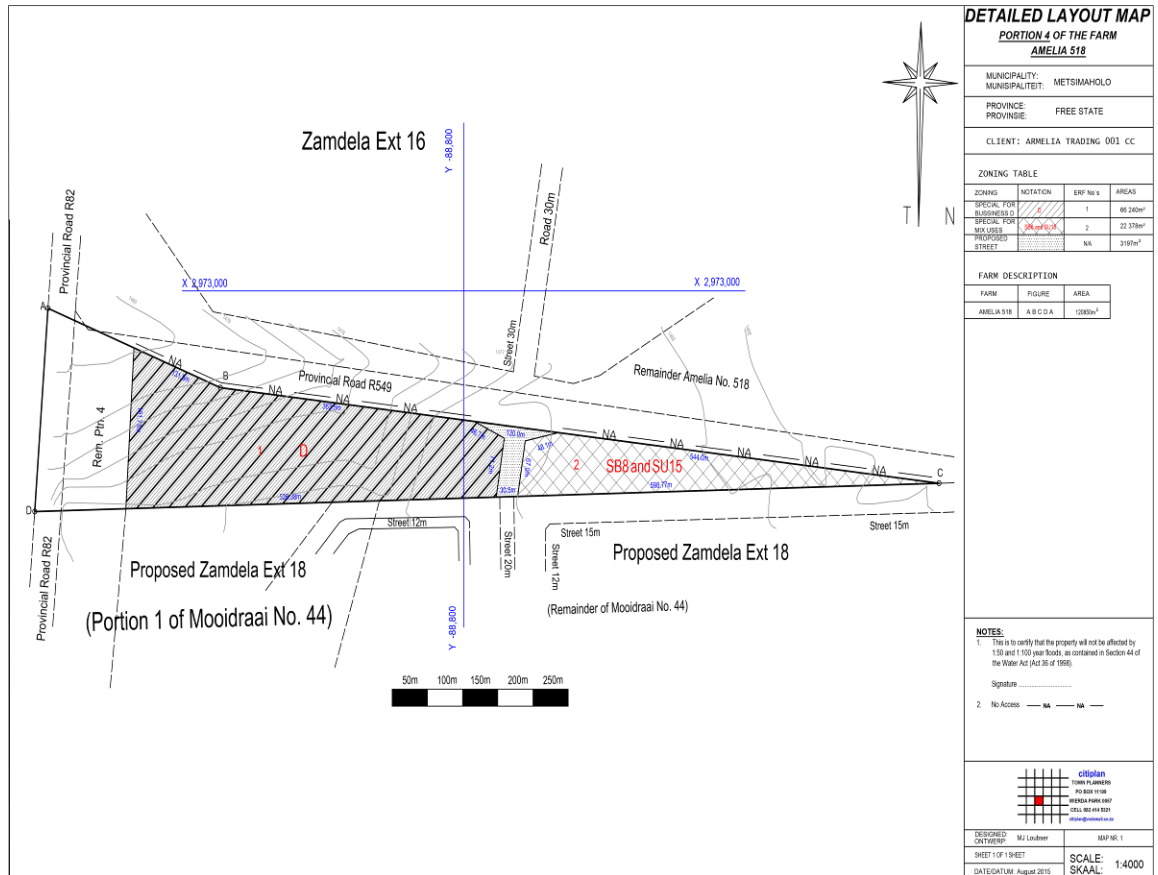


Eastern site with bare soil

“JWALE KE NAKO YA KOTULO, RE A KUBELE TSA”

www.edtea.fs.gov.za

APPENDIX C: FACILITY ILLUSTRATION



Layout plan

“JWALE KE NAKO YA KOTULO, RE A KUBELE TSA”

APPENDIX D: SPECIALISTS STUDIES

- **Comments from Metsimaholo Municipality regarding Engineering Services**
- **Geo-Hydrological Study**
- **Traffic Impact Studies**
- **Town Planning Motivation report**
- **Heritage Impact Assessment**
- **Electrical Report**
- **Engineering Report**

APPENDIX E: PUBLIC PARTICIPATION

“JWALE KE NAKO YA KOTULO, RE A KUBELETSA”

www.edtea.fs.gov.za

NEWSPAPER ADVERT

Thursday 26 May 2016

CRUISE MASSAGE
 078 238 5338

FOR YOUR FANTASY SUITS "MASCOT"
 078 238 5338

INDIAN BEAUTY SPA
 078 238 5338

JAPANESE MASSAGE
 078 238 5338

JUSTINE'S
 078 238 5338

LIFE CHANGES MASSAGE
 078 238 5338

MALAYSIAN MASSAGE
 078 238 5338

MATURE LADY
 078 238 5338

THAI MASSAGE
 078 238 5338

LICENCES

NOTICES

MUNICIPAL NOTICE

GENERAL

MAXIM

SALE

RENT

PROPERTY

LEGAL

ADVERTISING

CONTACT

"JWALE KE NAKO YA KOTULO, RE A KUBELE TSA"

ON SITE NOTICES



Onsite notice pasted at the entrance of a tuck shop →

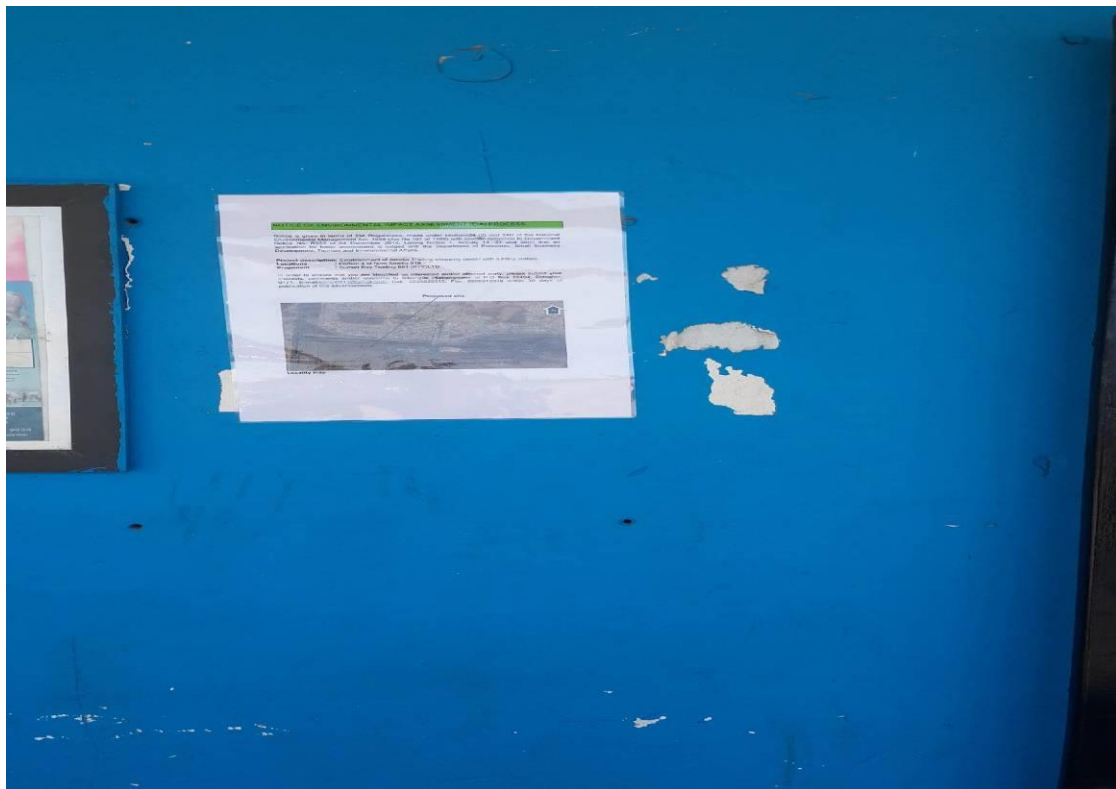


“JWALE KE NAKO YA KOTULO, RE A KUBELE TSA”

www.edtea.fs.gov.za



A notice placed at the entrance of the existing Amelia on site →



“JWALE KE NAKO YA KOTULO, RE A KUBELETSA”

www.edtea.fs.gov.za

**APPENDIX E2: PUBLIC MEETING ATTENDANCE REGISTER HELD ON 15 DECEMBER
2015**

“JWALE KE NAKO YA KOTULO, RE A KUBELETSA”

www.edtea.fs.gov.za

Establishment of Amelia filling station and shopping center

PUBLIC MEETING: ESTABLISHMENT OF AMELIA SHOPPING CENTRE AND FILLING STATION:
 DATE: 12 DECEMBER 2015, TIME: 08:00, VENUE:

| FULL NAME & SURNAME | ORGANIZATION | TELEPHONE NUMBER FAX NUMBER | E-MAIL ADDRESS |
|----------------------|--------------|--------------------------------|--|
| TECHNO SERVICES | | 013 569 2011 | 196635 AMELIA |
| N.S. MHLAHLA | | 073 947 555 | 21230 AMELIA |
| Leboko Mofokeng | | 073 321 3544 | |
| James Kokozein | | 053 949 8427 | Realizance of great com |
| Daniel Zwane | | 082 233 0416 | AB ZONE Industrial Zone 578, Cape Town |
| Makgale Gekhele | | 073 655 0833 | 1913 252 |
| CAROL FROST | | 076 433 1844 | |
| William Khumalo | | | Stamp |
| Ditaba Mkhama | | 073 139 1027 | |
| John | | 076 496 2514 | Stamp |
| M. J. M. M. M. M. M. | | 076 136 6370 | Stamp |

"JWALE KE NAKO YA KOTULO, RE A KUBELETA"

E3: COMMENTS AND RESPONSE REPORT

| Authority/Organ of State | Contact person (Title, Name and Surname) | Contact number | Comments | Response |
|--------------------------------|--|----------------|--|--|
| Metsimaholo Local Municipality | Ward Councillor A.K Mare | 079 191 1144 | Community supports the development and consult his office for any challenges that may be experienced during the process. | Noted |
| Community member | | | Requested a taxi rank to be included within the development | Request to be forwarded to the proponent |
| Community member | | | Requested more shops to be rented by locals | Request to be forwarded to the proponent |

E4: WRITTEN LETTER TO THE LOCALCOUNCILLOR

“JWALE KE NAKO YA KOTULO, RE A KUBELETSA”

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Hluli Environmental Consultants and Engineers



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GK2003/031041/23

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Enq: RSR Hlabangwane
Date: 12 December 2015

The Municipal Manager
Metsimaholo Local Municipality
Sasolburg

Attention: Anela Ward Councilor.

RE: EIA FOR AMELIA FUEL SERVICE STATION AND A SHOPPING CENTRE ON PORTION 4 OF THE FARM AMELIA 518 WITHIN METSIMAHOLO LOCAL MUNICIPALITY IN FREE STATE PROVINCE:

This letter serves as a notice given in terms of Environmental Impact Assessment Regulations made under sections 24(2) and 24D of the National Environmental Management Act, 1998(Act No 107 of 1998) with specific reference to Government Notice No R983 of 08 December 2014, Listing Notice 1, Activity 14, 27 and 28(ii) that an application for EIA is lodged with the Department of Economic, Small Business Development, Tourism and Environmental Affairs.

Hluli Environmental Consultants and Engineers would like to inform you that they have been appointed by to conduct the EIA process for the above mentioned project. In order to ensure that you are identified as Interested and/or affected party, please submit your name, contact details, your interest, comments and concerns to Ms Sibongile Hlabangwane within 30 days of receipt of this notice/letter at P.O. Box 77404, Eldoglen, 0171, E-mail: bongih911@gmail.co.za, Fax: 086 6912349; Call: 082 582 5032.

Please feel free to contact us for more information regarding the above-mentioned project.

Yours faithfully


Managing Director

Date: 12 Dec 2015

Received by: *A.K. Mants*, Signature 

Date: 13/12/15

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APPENDIX F: IMPACT ASSESSMENT

“JWALE KE NAKO YA KOTULO, RE A KUBELETSA”

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SECTION D: IMPACT ASSESSMENT IN TERMS OF REGULATION 19(3) OF GN 982

1. IMPACTS THAT MAY RESULT FROM THE CONSTRUCTION PHASE

List of potential site alternative related impacts (as appropriate) that are likely to occur as a result of the construction phase:

Alternative S1 (preferred alternative)

Direct impacts:

There are no site related impacts to be expected during construction phase which would only be dependent on this specific site locality. Most of the impacts that are expected and would arise during construction phase will be dependent on the proposed activity.

Indirect impacts: Not applicable

Cumulative impacts: Not applicable

No other alternative sites were assessed except for the available preferred site.

No-go alternative (compulsory)

Direct impacts:

None of the impacts identified for the proposed activity will occur if the proposed development does not proceed or implemented.

Indirect impacts: Not applicable

Cumulative impacts: Not applicable

Mitigation measures that may eliminate or reduce the potential impacts listed above:

Alternative S1

Alternative S2 Alternative S3

No impacts are expected during planning and design phase of the activity

N/A

List of potential activity/technology alternative related impacts (as appropriate) that are likely to occur as a result of the construction phase:

Alternative A1 (preferred alternative)

Direct impacts:

Fauna and Flora.

Minor construction related impacts are anticipated because the site is already disturbed. The removal of vegetation, especially trees that may impact on certain avifauna as well as certain mammal species that typically inhabit trees is not expected since the vegetation is already destroyed and there are trees on site.

Water resources.

Construction activities and materials may pollute both surface and ground water resources. Substances such as cement residue, spillages such as grease, diesel, and paint if not properly managed may lead to contamination of water resources especially the stream nearby the site.

Soil and geology.

Spillages of fuel and oil leaks from the construction activities may result in contamination of soil during construction.

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Air.

Emissions from construction equipment's, trucks and dust may have minimal impact on the quality of air.

Noise.

Noise will be generated from construction equipment's, trucks and workers, however it will be minimal.

Aesthetic/visual environment.

Establishment of a construction site, removal of vegetation and the movement of construction equipment's will alter the aesthetics of the proposed area for development.

Traffic.

Disruption of traffic will occur due to movement of construction trucks and equipment's to and from site. The closure of certain roads during construction and associated diverting of traffic may lead to traffic congestion especially during peak hours.

Indirect impacts:**Alien/invasive vegetation.**

The removal of indigenous vegetation and human traffic may promote growth and spread of invasive and noxious weeds.

Soil erosion.

Storm water run off may cause erosion of top soil during construction.

Impact of construction camp and waste management.

Construction camp may contribute to pollution of air, soils and water resources due to sanitation problems and spillages of fuel and grease.

Access control.

Health and safety issues may arise if access to the construction site is not properly managed.

Cumulative impacts:**Removal of vegetation.**

Removal of vegetation to facilitate construction could contribute to erosion, resulting in increased sediments loads to the nearby water courses.

Waste management.

The production of construction waste may result in extra impact of on refuse collection and disposal.

Mitigation measures that may eliminate or reduce the potential impacts listed above:

Alternative A1:

Flora and Fauna

- Existing indigenous vegetation must be retained where possible.
- All exotic vegetation must be removed on site.
- Capturing and snaring of fauna should be strictly prohibited on site.
- No protected or indigenous species should be removed from the site

Water resources

- Concrete and/or cement must not be mixed directly on ground but must be mixed off site or on a mortar board.
- Fuel, grease and other construction chemicals must be stored on concrete floor and within banded wall.
- Infrastructure associated with sewage should be properly designed to ensure that there are no underground leakages, which may pollute underground water.

Soils and geology

- Contaminated soil must be contained and disposed off at a licensed landfill site.
- Fuel and material storage must be away from stockpiles
- Any excavations must be clearly marked
- All earthworks must be properly controlled and managed
- Undeveloped and unvegetated areas should be covered with top soil to allow re growth of grass to avoid water run offs.

Air quality

- Retention of vegetation where possible will reduce dust travel
- The contractor shall be responsible for dust control on site
- Un-surfaced and un-vegetated areas should be sprinkled with water in order to dampen down dust

Noise

- SANS 10103 and National noise Control Regulations should be used as the main guidelines for addressing the potential noise impact.
- Noise from workers should be strictly controlled

Aesthetic/visual environment

- The site shall be kept visually and aesthetically pleasing, especially in and around the construction camp
- A lot of vegetation should be retained to screen off the construction site from potential sensitive receptors
- Construction traffic must stick to designated routes
- Cordon off construction site with shade cloth or other material

Traffic and access control

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- Access routes identified and planned for construction purposes should be indicated to the different contractors by the developer
- Delivery of equipment's must be planned and undertaken with minimum reasonable amount of trips
- Access to the site must be properly managed and controlled
- Temporary speed humps and signage should be put in place

Alien/invasive vegetation.

- Alien vegetation on site need to be controlled
- All invasive and exotic plants must be removed
- The spread of exotic plants within the site should be controlled
- Contractors should be responsible for implementing a programme of weed control and grassing of any stockpiles to prevent weed invasion
- Herbicide use shall only be allowed with the approval of the developer and according to the contract specifications. The application shall be according to the set specifications and under supervision of a qualified technician.

Waste management

- Littering by construction workers shall not be allowed under any circumstances
- Skips and refuse bins must be placed in strategic positions to avoid litter from accumulating within the construction site
- Rubble must not be dumped on site but be placed in skips for regular removal to be disposed off at the approved site, or must either be re-used on site

2. IMPACTS THAT MAY RESULT FROM THE OPERATIONAL PHASE

List of potential site alternative related impacts (as appropriate) that are likely to occur as a result of the operational phase:

Alternative S1 (preferred alternative)

Direct impacts:

There are no site related impacts to be expected during operational phase which would only be dependent on this specific site locality. Most of the impacts that are expected and would arise during operational phase will be dependent on the proposed activity

Indirect impacts:

Not applicable

Cumulative impacts:

Not applicable

No other alternative sites were assessed except for the available preferred site.

No-go alternative (compulsory)

Direct impacts:

None of the impacts identified for the proposed activity will occur if the proposed development does not proceed.

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Indirect impacts:
Not applicable
Cumulative impacts:
Not applicable

Indicate mitigation measures that may eliminate or reduce the potential impacts listed above:

| Alternative S1 | Alternative S2 | Alternative S3 |
|---|-----------------------|-----------------------|
| There are no site related impacts to be expected during operational phase which would only be dependent on this specific site locality. Most of the impacts that are expected and would arise during operational phase will be dependent on the proposed activity | N/A | N/A |

List the potential activity/technology alternative related impacts (as appropriate) that are likely to occur as a result of the operational phase:

Alternative A1 (preferred alternative)

Direct impacts:
Waste management
A lack of waste management systems within the development could result in contamination of surface and groundwater, as well as impacting on the environment visually and aesthetically. Solid waste when not properly stored and covered in waste bins could lead to the development of odours. Littering by employees, customers and waste recyclers will impact on aesthesis of the environment.

Water resources
Substances and spillages such as grease, diesel, oil and paint if not properly managed may lead to contamination of water resources.

Energy
Additional energy will be consumed during operational phase of the proposed development, resulting in increased demand on the energy resource

Indirect impacts:
Storm water
Undeveloped and hardened areas without vegetation will lead to an increase in surface runoff, which in turn may lead to increased pressure being exerted on existing and new storm water control systems.

Cumulative impacts:
Waste management
The increase of waste from public & recyclers may result in extra impact of waste storage.

No-go alternative (compulsory)**Direct impacts:**

None of the positive or negative impacts identified for the proposed development will occur if the proposed activity does not proceed

Indirect impacts: Not applicable

Cumulative impacts: Not applicable

Mitigation measures that may eliminate or reduce the potential impacts listed above:

Alternative A1**Waste management**

- Management should ensure that solid waste storage, collection and disposal is managed effectively..
- Any temporary refuse storage should be placed on paved or concrete areas.
- Public should be encouraged to separate waste from their houses and recycle.
- Littering should be avoided at any cost.

Water resources

- Water reuse and saving devices such as dual flush toilets should be installed to save water.
- Pipelines must be checked regularly to ensure that there are no water leakages and be repaired.
- Rainwater must be captured and stored to be used for irrigation and cleaning purposes.

Energy

- Energy saving devices such as solar energy, should be installed
- Employees should be encouraged to save electricity by switching off all electronic devices and lights when not used.

Stormwater

- Undeveloped and unvegetated areas should be covered with top soil to allow re growth of grass to avoid water run offs.
- Storm water run offs from roads should be properly managed to ensure that excessive deposits of silt and sediments do not occur and does not exert pressure on the storm water drainages.

3. IMPACTS THAT MAY RESULT FROM THE DECOMMISSIONING AND CLOSURE PHASE

List the potential site alternative related impacts (as appropriate) that are likely to occur as a result of the decommissioning or closure phase:

Alternative S1 (preferred alternative)

Direct impacts:

There are no site related impacts to be expected during decommissioning phase which would only be dependent on this specific site locality. Most of the impacts that are expected and would arise during decommissioning phase will be dependent on the proposed activity.

Indirect impacts:

Not applicable

Cumulative impacts:

Not applicable

No-go alternative (compulsory)

Direct impacts:

None of the positive or negative impacts identified for the proposed development will occur if the proposed activity does not proceed.

Indirect impacts:

Not applicable

Cumulative impacts:

Not applicable

Indicate mitigation measures that may eliminate or reduce the potential impacts listed above:

Alternative S1

Alternative S2

Alternative S3

| | | |
|---|-----|-----|
| There are no site related impacts to be expected during decommissioning phase which would only be dependent on this specific site locality. Most of the impacts that are expected and would arise during decommissioning phase will be dependent on the proposed activity | N/A | N/A |
|---|-----|-----|

List the potential activity/technology alternative **related impacts (as appropriate) and mitigation measures** that are likely to occur as a result of the decommissioning and closure phase:

Alternative A1 (preferred alternative)

Waste management

Rubble and other waste material should be cleaned, collected and disposed off at a recognized licensed landfill site.

Access control

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All access routes and other routes used for construction purposes must be rehabilitated once decommissioning phase is completed. Temporary speed humps and limits must be removed and be replaced by permanent ones

Fauna and Flora.

Care must be taken during the decommissioning phase to take account and not disturb any fauna which may have re-inhabited the area since the inception of the project. All disturbed areas must be rehabilitated and re-growth of vegetation should be allowed.

No-go alternative (compulsory)

Direct impacts:

None of the positive or negative impacts identified for the proposed development will occur if the proposed activity does not proceed.

Indirect impacts: Not applicable

Cumulative impacts: Not applicable

APPENDIX H: DETAILS OF EAP AND EXPERTISE

“JWALE KE NAKO YA KOTULO, RE A KUBELETSA”

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1.1 ENVIRONMENTAL ASSESSMENT PRACTITIONER (EAP) INFORMATION

| | | | |
|---|---|-------|--------------|
| EAP: | Ms Sibongile Hlabangwane | | |
| Professional affiliation/registration: | N/A | | |
| Contact person (if different from EAP): | N/A | | |
| Company: | Hluli Environmental Consultants and Engineers | | |
| Physical address: | 19 Peseta street, Eldoglen | | |
| Postal address: | PO BoX 77414, Eldoglen | | |
| Postal code: | 0171 | Cell: | 0825825032 |
| Telephone: | | Fax: | 086 691 2349 |
| E-mail: | bongih911@gmail.com | | |

APPENDIX I: SPECIALIST'S DECLARATION OF INTEREST N/A

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APPENDIX J: ADDITIONAL INFORMATION

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