

# Draft Basic Assessment Report

for

BBB GROUP

REF No.

Prepared by:

Bucandi Environmental Solutions



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(Pr.Sci.Nat.) Reg. No. 400108/11 (SACNASP)  
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## Table of contents

|  |    |
|--|----|
| Section A: Activity information .....  | 6  |
| 1. Project description .....   | 6  |
| 2. Feasible and reasonable alternatives .....  | 7  |
| a) Site alternatives .....   | 7  |
| b) Lay-out alternatives.....   | 8  |
| c) Technology alternatives .....   | 8  |
| d) Other alternatives (e.g. scheduling, demand, input, scale and design alternatives)..... | 9  |
| e) No-go alternative .....   | 9  |
| 3. Physical size of the activity .....   | 9  |
| 4. Site Access .....   | 10 |
| 5. Locality map .....  | 10 |
| 6. Layout/route plan.....  | 10 |
| 7. Sensitivity map .....   | 11 |
| 8. Site photographs .....  | 11 |
| 9. Facility illustration .....   | 11 |
| 10. Activity motivation .....  | 11 |
| 11. Applicable legislation, policies and/or guidelines.....                                | 18 |
| 12. Waste, effluent, emission and noise management .....                                   | 19 |
| a) Solid waste management.....   | 19 |
| b) Liquid effluent .....   | 22 |
| c) Emissions into the atmosphere .....   | 23 |
| d) Waste permit.....   | 23 |
| e) Generation of noise.....  | 24 |
| 13. Water use .....  | 24 |
| 14. Energy efficiency .....  | 25 |
| Section B: Site/Area/Property Description .....  | 26 |
| 1. Gradient of the site .....  | 27 |
| 2. location in landscape .....   | 27 |
| 3. Groundwater, Soil and Geological stability of the site .....                            | 27 |
| 4. Groundcover .....   | 28 |
| 5. Surface water .....   | 28 |
| 6. Land use character of surrounding area .....  | 29 |
| 7. Cultural/Historical Features .....  | 30 |
| 8. Socio-economic character .....  | 30 |
| a) Local Municipality .....  | 30 |
| b) Socio-economic value of the activity .....  | 31 |
| 9. Biodiversity.....   | 32 |
| Section C: Public Participation .....  | 34 |
| 1. Advertisement and notice .....  | 34 |
| 2. Determination of appropriate measures.....  | 34 |
| 3. Issues raised by interested and affected parties .....                                  | 34 |
| 4. Comments and response report .....  | 34 |
| 5. Authority participation.....  | 35 |
| 6. Consultation with other stakeholders .....  | 35 |
| Section D: Impact Assessment .....   | 36 |

|   |    |
|---|----|
| 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..... | 36 |
| 2. Environmental impact statement.....  | 41 |
| Section E. Recommendation Of Practitioner .....   | 44 |

**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 as amended 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 **09 August 2022**. 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 and **EAPASA registered** 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.

- 
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

NO X

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

BBB Group is proposing the construction of a cattle feedlot with capacity for 5 000 cattle on the Farm Groenfontein 540, situated in Kroonstad District within Moqhaka Local Municipality area. The need for a Basic Assessment is triggered by Listing 1; activities 4 and 27 in GN R983 dated 4 December 2014 and amended on 07 April 2017. The total area of the project is 105 216.48m<sup>2</sup> (10.52ha).

- Earthworks and clearing of vegetation on the site for erection of infrastructure (pens, hallways, road and parking lot).
- The construction of 50 camps (20m x 50m), each with a capacity to hold 100 head of cattle.
- All camps will have feeding and water troughs.
- A dirt road will run between the four rows of camps, the gate and the parking lot.

The site will be enclosed with a fence that uses steel poles as posts and steel cable. These cables will be secured using I-bolts and steel clamps. One entrance gate will be constructed to give access to the site.

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

| Listed activity as described in GN 327,325 and 324  | Description of project activity  |
|---|--|
| ACTIVITY NO. 4) The development and related operation of facilities or infrastructure for the concentration of animals in densities that exceed (i) 20 square meters per large stock unit and more than 500 units per facility. | BBB Group is planning the construction of a cattle feedlot with capacity for 5 000 cattle Portion 5 of the Farm Groenfontein 540, situated in Kroonstad District within Moqhaka Local Municipality Area. The project will entail the construction of 50 camps (20 m x 50 m), each with a capacity to hold 100 head of cattle |
| (ACTIVITY NO. 27) The clearance of an area of 1 hectare or more, but less than 20 hectares of indigenous vegetation.  | The foot print of the proposed project requires the clearance of 6.07 ha of indigenous vegetation, ranked as Degraded and Other in terms of biodiversity conservation.   |

## 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 326, Regulation 2014 as amended. 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)  |
| This site consists of indigenous vegetation ranked as Degraded and Other in terms of biodiversity conservation planning. An existing farm road leads directly to the site. S1 is flat and the costs and impacts of earthworks before construction will be minimal. A water point exists at the site, minimising the onset costs and requirements. Electricity & water supply already exist at the site. The site is located relatively high and stays dry year-round. | 27°03'22.51" | 26° 45' 13.87" |
| Alternative 2   |              |                |
| Description   | Lat (DDMMSS) | Long (DDMMSS)  |
|   |              |                |
| Alternative 3   |              |                |
| Description   | Lat (DDMMSS) | Long (DDMMSS)  |

In the case of linear activities:

**Alternative:**

Alternative S1 (preferred)

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

**Latitude (S):**

**Longitude (E):**

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

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**

| <b>Alternative 1 (preferred alternative)</b>   |              |                |
|--|--------------|----------------|
| Description  | Lat (DDMMSS) | Long (DDMMSS)  |
| The layout will entail the following: The construction of 50 camps (20m x 50m), each with a capacity to hold 100 head of cattle. The entire site will cover an area of 60 722.49 m <sup>2</sup> (6.07 ha). | 27°03'22.51" | 26° 45' 13.87" |
| <b>Alternative 2</b>   |              |                |
| Description  | Lat (DDMMSS) | Long (DDMMSS)  |
|  |              |                |
| <b>Alternative 3</b>   |              |                |
| Description  | Lat (DDMMSS) | Long (DDMMSS)  |
|  |              |                |

**c) Technology alternatives**

| <b>Alternative 1 (preferred alternative)</b>  |
|---|
| Different alternatives were considered for disposal of waste generated at the cattle feedlot. Manure will be removed at the end of each cycle and will not be stockpiled on site. It will be processed on a different property and then be used as fertiliser on agricultural fields. The balance will be stockpiled and processed for the sale to farmers and nurseries in the area. Mortalities will be collected by a predator farm. |



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

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

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 A1<sup>1</sup> (preferred activity alternative)

Alternative A2 (if any)

Alternative A3 (if any)

**Size of the activity:**

|                          |
|--------------------------|
| 60 722.49 m <sup>2</sup> |
| m <sup>2</sup>           |
| m <sup>2</sup>           |

or, for linear activities:

**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:**

Alternative A1 (preferred activity alternative)

Alternative A2 (if any)

Alternative A3 (if any)

**Size of the site/servitude:**

|                             |
|-----------------------------|
| 2 569 894.92 m <sup>2</sup> |
| m <sup>2</sup>              |
| m <sup>2</sup>              |

<sup>1</sup> "Alternative A.." refer to activity, process, technology or other alternatives.

#### 4. SITE ACCESS

Does ready access to the site exist?

YES X

NO

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

Describe the type of access road planned:

The R76 to Viljoenskroon runs within 1.5 km of the site with a farm road providing access directly 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):

|   |          |    |                |
|---|----------|----|----------------|
| <b>1. Is the activity permitted in terms of the property's existing land use rights?</b>                                      | YES<br>√ | NO | Please explain |
| The property is currently zoned as agricultural allowing for agri-industrial infrastructure such as the proposed development. |          |    |                |

|  |          |         |                |
|--|----------|---------|----------------|
| <b>2. Will the activity be in line with the following?</b>   |          |         |                |
| <b>(a) Provincial Spatial Development Framework (PSDF)</b>   | YES<br>√ | NO      | Please explain |
| The planning of the activity took into account the actions stipulated in the PSDF such as minimising environmental impacts and conserving natural resources  |          |         |                |
| <b>(b) Urban edge / Edge of Built environment for the area</b>   | YES      | NO      | Please explain |
| The development will not compromise the urban edge of the edge of built environment  |          |         |                |
| <b>(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?).</b>  | YES<br>√ | NO      | Please explain |
| Approval of this application will not compromise the integrity of the existing IDP and SDF   |          |         |                |
| <b>(d) Approved Structure Plan of the Municipality</b>   | YES<br>√ | NO      | Please explain |
| Approval of this application will not compromise the integrity of the existing IDP and SDF.  |          |         |                |
| <b>(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?)</b>                               | YES<br>√ | NO      | Please explain |
| The proposed development falls mostly (60%) within a Degraded Area, with the remaining 40% classified as Other in terms of the provincial biodiversity conservation planning.  |          |         |                |
| <b>(f) Any other Plans (e.g. Guide Plan)</b>   | YES      | NO<br>√ | Please explain |
|  |          |         |                |
| <b>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)?</b> | YES<br>√ | NO      | Please explain |
| Building plans will be assessed and signed off by the Municipality   |          |         |                |

|  |          |     |                |
|--|----------|-----|----------------|
| <b>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.)</b>  | YES<br>√ | NO  | Please explain |
| Internationally production of cattle has increased significantly over the past few years in line with increased consumer demands for production of cattle and expectations are that consumer demand will continue to increase. Due to overcrowding of present facilities, lack of additional facilities and therefore the potential for increased biological risk, suppliers have embarked on a process of establishing new facilities in order to overcome these problems and ensure the long-term sustainability and viability of the industry. The socio-economic value of the project will indirectly have a positive impact on the immediate area as well as cater for the increasing demand for cattle products in Free State and nationally. At least 30 temporary employment opportunities will be created during the development and construction phase. At least 10-15 people will be permanently employed during the operational phase of the activity. Contractors are employed during the construction phase and additional employment opportunities are therefore created. |          |     |                |
| <b>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.)</b>   | YES<br>√ | NO  | Please explain |
| Electricity supply already exist at the site.  |          |     |                |
| <b>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.)</b>   | YES<br>√ | NO  | Please explain |
| The intended development is of agri-industrial nature and is therefore within the planning for the area that is zoned agricultural.  |          |     |                |
| <b>7. Is this project part of a national programme to address an issue of national concern or importance?</b>  | YES      | N√O | Please explain |
|  |          |     |                |
| <b>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.)</b>   | YES<br>√ | NO  | Please explain |
| The site is located in an agricultural area and the biodiversity is classified as Degraded and a feedlot will constitute a good land use   |          |     |                |

|  |          |         |                |
|--|----------|---------|----------------|
| <b>9. Is the development the best practicable environmental option for this land/site?</b>   | YES<br>√ | NO      | Please explain |
| The site has been completely transformed and operation of a cattle feedlot at the site is a good option  |          |         |                |
| <b>10. Will the benefits of the proposed land use/development outweigh the negative impacts of it?</b>   | YES<br>√ | NO      | Please explain |
| Internationally production of cattle has increased significantly over the past few years in line with increased consumer demands for production of cattle and expectations are that consumer demand will continue to increase. Due to overcrowding of present facilities, lack of additional facilities and therefore the potential for increased biological risk, suppliers have embarked on a process of establishing new facilities in order to overcome these problems and ensure the long-term sustainability and viability of the industry. The socio-economic value of the project will indirectly have a positive impact on the immediate area as well as cater for the increasing demand for cattle products in Free State and nationally. At least 30 temporary employment opportunities will be created during the development and construction phase. At least 10-15 people will be permanently employed during the operational phase of the activity. Contractors are employed during the construction phase and additional employment opportunities are therefore created. |          |         |                |
| <b>11. Will the proposed land use/development set a precedent for similar activities in the area (local municipality)?</b>   | YES<br>√ | NO      | Please explain |
|  |          |         |                |
| <b>12. Will any person's rights be negatively affected by the proposed activity/ies?</b>   | YES<br>√ | NO      | Please explain |
|  |          |         |                |
| <b>13. Will the proposed activity/ies compromise the "urban edge" as defined by the local municipality?</b>  | YES      | NO<br>√ | Please explain |
|  |          |         |                |
| <b>14. Will the proposed activity/ies contribute to any of the 17 Strategic Integrated Projects (SIPS)?</b>  | YES      | NO<br>√ | Please explain |
|  |          |         |                |

|   |                 |           |                       |
|---|-----------------|-----------|-----------------------|
| <b>15. What will the benefits be to society in general and to the local communities?</b>  | Please explain  |           |                       |
| <p>Internationally production of cattle has increased significantly over the past few years in line with increased consumer demands for production of cattle and expectations are that consumer demand will continue to increase. Due to overcrowding of present facilities, lack of additional facilities and therefore the potential for increased biological risk, suppliers have embarked on a process of establishing new facilities in order to overcome these problems and ensure the long-term sustainability and viability of the industry. The socio-economic value of the project will indirectly have a positive impact on the immediate area as well as cater for the increasing demand for cattle products in Free State and nationally. At least 30 temporary employment opportunities will be created during the development and construction phase. At least 10-15 people will be permanently employed during the operational phase of the activity. Contractors are employed during the construction phase and additional employment opportunities are therefore created.</p> |                 |           |                       |
| <b>16. Any other need and desirability considerations related to the proposed activity?</b>   | Please explain  |           |                       |
|   |                 |           |                       |
| <b>17. How does the project fit into the National Development Plan for 2030?</b>  | Please explain  |           |                       |
| <p>The project will contribute positively to the following categories identified in the NDP:</p> <p>Economy and employment</p> <p>Economic infrastructure</p> <p>Inclusive rural economy</p>  |                 |           |                       |
| <b>18. Please describe how the general objectives of Integrated Environmental Management as set out in section 23 of NEMA have been taken into account.</b>   |                 |           |                       |
| <p>During the Basic Assessment process all positive and negative impacts were thoroughly assessed and described. Mitigation measures have been proposed where applicable and written into the EMPr for the activity. The activity will only go ahead in adherence with the EMPr.</p>  |                 |           |                       |
| <b>19. Please describe how the principles of environmental management as set out in section 2 of NEMA have been taken into account.</b>   |                 |           |                       |
| <p>The proposed development will be socially, environmentally and economically sustainable. It will provide employment opportunities and sought after meat products. It will be designed to minimise the impacts on the environment by minimising waste and placing the development on a suitable site</p>  |                 |           |                       |
| <b>1. Is the activity permitted in terms of the property's existing land use rights?</b>  | <b>YES</b><br>√ | <b>NO</b> | <b>Please explain</b> |
| <p>The property is currently zoned as agricultural allowing for agri-industrial infrastructure such as the proposed development.</p>  |                 |           |                       |

|  |                 |                |                       |
|--|-----------------|----------------|-----------------------|
| <b>2. Will the activity be in line with the following?</b>   |                 |                |                       |
| <b>(a) Provincial Spatial Development Framework (PSDF)</b>   | <b>YES</b><br>✓ | <b>NO</b>      | <b>Please explain</b> |
| The site is in an agricultural area and currently being used for cattle grazing.   |                 |                |                       |
| <b>(b) Urban edge / Edge of Built environment for the area</b>   | <b>YES</b><br>✓ | <b>NO</b>      | <b>Please explain</b> |
| The development will not compromise the urban edge of the edge of built environment.   |                 |                |                       |
| <b>(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?).</b>  | <b>YES</b><br>✓ | <b>NO</b>      | <b>Please explain</b> |
| Approval of this application will not compromise the integrity of the existing IDP and SDF.  |                 |                |                       |
| <b>(d) Approved Structure Plan of the Municipality</b>   | <b>YES</b><br>✓ | <b>NO</b>      | <b>Please explain</b> |
| The site will continue to be used for cattle grazing.  |                 |                |                       |
| <b>(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?)</b>                               | <b>YES</b>      | <b>NO</b><br>✓ | <b>Please explain</b> |
| The proposed development falls mostly (60%) within a Degraded Area, with the remaining 40% classified as Other in terms of the provincial biodiversity conservation planning.  |                 |                |                       |
| <b>(f) Any other Plans (e.g. Guide Plan)</b>   | <b>YES</b>      | <b>NO</b><br>✓ | <b>Please explain</b> |
|  |                 |                |                       |
| <b>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)?</b> | <b>YES</b><br>✓ | <b>NO</b>      | <b>Please explain</b> |
| Existing buildings will be used.   |                 |                |                       |
| <b>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.)</b>  | <b>YES</b>      | <b>NO</b><br>✓ | <b>Please explain</b> |
| Using the site for cattle grazing will benefit only the land owner and the existing labour force will be utilised.   |                 |                |                       |



|   |          |         |                |
|---|----------|---------|----------------|
| 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.)   | YES<br>√ | NO      | Please explain |
| No municipal services will be required for the intended activity.   |          |         |                |
| 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.) | YES<br>√ | NO      | Please explain |
| The intended development is of agri-industrial nature and is therefore within the planning for the area that is zoned agricultural.   |          |         |                |
| 7. Is this project part of a national programme to address an issue of national concern or importance?  | YES      | NO<br>√ | Please explain |
| The site will be used as agricultural fields.   |          |         |                |
| 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.)   | YES<br>√ | NO      | Please explain |
| The site is located in a farming area.  |          |         |                |
| 9. Is the development the best practicable environmental option for this land/site?   | YES<br>√ | NO      | Please explain |
| Due to no natural vegetation occurring on this site, no conservation option will be feasible.   |          |         |                |
| 10. Will the benefits of the proposed land use/development outweigh the negative impacts of it?   | YES      | NO<br>√ | Please explain |
| The site will only be used as agricultural fields.  |          |         |                |
| 11. Will the proposed land use/development set a precedent for similar activities in the area (local municipality)?   | YES      | NO<br>√ | Please explain |
|   |          |         |                |
| 12. Will any person's rights be negatively affected by the proposed activity/ies?   | YES      | NO<br>√ | Please explain |
|   |          |         |                |
| 13. Will the proposed activity/ies compromise the "urban edge" as defined by the local municipality?  | YES      | NO<br>√ | Please explain |
|   |          |         |                |
| 14. Will the proposed activity/ies contribute to any of the 17 Strategic Integrated Projects (SIPS)?  | YES      | NO<br>√ | Please explain |
|   |          |         |                |

|   |                       |
|---|-----------------------|
| <b>15. What will the benefits be to society in general and to the local communities?</b>  | <b>Please explain</b> |
| Using the building for storage will benefit only the land owner and the existing labour force will be utilised.   |                       |
| <b>16. Any other need and desirability considerations related to the proposed activity?</b>   | <b>Please explain</b> |
| None  |                       |
| <b>17. How does the project fit into the National Development Plan for 2030?</b>  | <b>Please explain</b> |
| None  |                       |
| <b>18. Please describe how the general objectives of Integrated Environmental Management as set out in section 23 of NEMA have been taken into account.</b> |                       |
| None  |                       |
| <b>19. Please describe how the principles of environmental management as set out in section 2 of NEMA have been taken into account.</b>                     |                       |
| None  |                       |

#### 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:

| <b>Title of legislation, policy or guideline</b>  | <b>Applicability to the project</b>  | <b>Administering authority</b>                                    | <b>Date</b>      |
|---|--|---|------------------|
| National Environmental Management Act, Act No. 107 of 1998.<br><br>Listing 1 of regulation 327 promulgated under Chapter 5 of the National Environmental Management Act (NEMA, Act 107 of 1998) in Government Gazette 38282. Listed activity 4 and 27 | BBB Group is proposing the construction of a cattle feedlot with capacity for 5 000 cattle on Groenfontein 540, situated in Kroonstad District within Moqhaka Local Municipality area. | Free State Department of Tourism Environment and Economic Affairs | 1998<br><br>1998 |
| National Water Act, Act No. 36 of 1998.   | Water use will be registered with the Department of Water Affairs  | Department of Water Affairs                                       | 1998             |

|  |  |  |  |
|--|--|--|--|
| Conservation of Agricultural Resources Act, Act No. 43 of 1983   | A copy of the BAR will be sent to the Free State Department of Agriculture and Rural Development                     | Free State Department of Agriculture and Rural Development           | 1983   |
| Heritage Act, Act No 25 of 1999.   | The site will be investigated to see if any action is necessary in terms of the Heritage Act.                        | South African Heritage Resources Act                                 | 1999   |
| Meat Safety Act, Act 40 of 2000<br>Cattle Regulations, Reg. 153 published on 24 February 2006 in GN 8402.  | Only applicable to facilities containing abattoirs.  | Free State Department of Tourism<br>Environment and Economic Affairs | 2000   |
| National Environmental Management: Waste Act, Act No. 59 of 2008<br>Listed Activities Reg. 921 published on 29 November 2013 in GN 37083   | Activity does not trigger a Listed Activity  | Free State Department of Tourism<br>Environment and Economic Affairs | 2008<br>2016   |
| Occupational Health and Safety Act, Act 85 of 1993<br>Noise regulation, 2003<br>Environmental regulations for workplaces, 1987<br>Facility regulations, 1990<br>General Health and Safety Regulations, 1986<br>Electrical Installation Regulations, 2009.<br>Electrical Machinery Regulations, 1988.<br>Construction Regulations, 2014 | The regulations were taken into account during the design of the activity and process in order to adhere to the Act. |  | 1993<br>2003<br>1987<br>1990<br>1986<br>2009<br>1988<br>2014 |

**a. WASTE, EFFLUENT, EMISSION AND NOISE MANAGEMENT**

**a) Solid waste management**

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

|          |    |
|----------|----|
| YES<br>√ | NO |
|----------|----|

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

8.89 m<sup>3</sup>

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

Waste is expected to be limited to packaging materials (shrink wrap, cardboard) and litter generated by the construction staff. Waste will be recycled as far as possible. Non-recyclable waste will be sorted into different types and disposed of at a suitably licensed waste disposal facility.

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

Construction phase solid waste will be disposed of at the nearest licensed waste disposal site. Waste considered unsuitable for municipal waste disposal sites will be disposed of at a suitably licensed hazardous waste disposal facility (e.g. WasteTech).

Will the activity produce solid waste during its operational phase?

|                      |    |
|----------------------|----|
| YES<br>√             | NO |
| 70.66 m <sup>3</sup> |    |

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

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

Operational phase solid waste will be disposed of at the nearest licensed waste disposal site. Waste considered unsuitable for municipal waste disposal sites will be disposed of at a suitably licensed hazardous waste disposal facility (e.g. WasteTech).

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

Any general waste such as litter generated by staff will be disposed of at the nearest licensed waste disposal site.

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

#### **Manure Removal**

Approximately 1 110 tons of cattle manure will be produced monthly. At the end of each cycle, (approximately 4 months) all manure is removed from the camps and removed from site immediately on closed trucks to be used as fertiliser on agricultural fields. No manure will be stored on site.

#### **Disposal of Mortalities**

Approximately 8 dead cattle will be produced per cycle. The mortalities are removed on a daily basis and is collected by a predator farmer. In the event of a disease outbreak, the State Veterinarian will be contacted immediately, and the feedlot will be quarantined. Any mass mortalities, culling, and disposal of carcasses will be handled strictly according to instructions from the State Veterinarian, which may include incineration, deep burial at an approved site, or rendering at a licensed facility. The site will also have strict biosecurity measures in place, including vehicle sprayers, compulsory spray booths for all visitors and employees, and footbaths placed at regular intervals to prevent the spread of disease. Additionally, movement of livestock and personnel will be restricted as per veterinary directives to contain the outbreak.

*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

NO ✓

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

NO ✓

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.

### No-go alternative:

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

YES

NO

✓

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

0 m<sup>3</sup>

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

No solid waste will be produced.

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

No solid waste will be produced.

Will the activity produce solid waste during its operational phase?

YES

NO  
✓

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

0m<sup>3</sup>

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

No solid waste will be produced.

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

No solid waste will be produced.

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

No solid waste will be produced.

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

NO  
✓

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.

**b) Liquid effluent**

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

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

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

|                |
|----------------|
| m <sup>3</sup> |
|----------------|

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

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

*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.*

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

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

If YES, provide the particulars of the facility:

|                        |  |              |  |
|------------------------|--|--------------|--|
| <b>Facility name:</b>  |  |              |  |
| <b>Contact person:</b> |  |              |  |
| <b>Postal address:</b> |  |              |  |
| <b>Postal code:</b>    |  |              |  |
| <b>Telephone:</b>      |  | <b>Cell:</b> |  |
| <b>E-mail:</b>         |  | <b>Fax:</b>  |  |

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

|   |
|---|
| The layout plan in Appendix A has been updated to include, berms for diverting rainwater around the site, storm water ditches for directing rainwater that falls within the site and a scarification area. This area will be planted with extra vegetation and rocks will be placed to slow down water flow. This will give rain water that fell within the site a chance to filter through the vegetation before being discharged. |
|---|

**No-go alternative:**

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

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

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

|                |
|----------------|
| m <sup>3</sup> |
|----------------|

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

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

*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.*

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

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

If YES, provide the particulars of the facility:

|                        |     |
|------------------------|-----|
| <b>Facility name:</b>  | N/A |
| <b>Contact person:</b> | N/A |

|                        |     |              |     |
|------------------------|-----|--------------|-----|
| <b>Postal address:</b> | N/A |              |     |
| <b>Postal code:</b>    | N/A |              |     |
| <b>Telephone:</b>      | N/A | <b>Cell:</b> | N/A |
| <b>E-mail:</b>         | N/A | <b>Fax:</b>  | N/A |

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

The layout plan in Appendix A has been updated to include, berms for diverting rainwater around the site, storm water ditches for directing rainwater that falls within the site and a scarification area. This area will be planted with extra vegetation and rocks will be placed to slow down water flow. This will give rain water that fell within the site a chance to filter through the vegetation before being discharged.

**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 | NO ✓ |
|-----|------|

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:

Dust and methane gas will be generated by the presence of cattle in the feedlot. The applicant is located in a remote area and this should not cause any discomfort to neighbours.

**No-go alternative**

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

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

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:

None

**d) Waste permit**

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

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

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

**No-go alternative:**

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

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

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 | NO |
| √   |    |

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

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

Describe the noise in terms of type and level:

Low levels of noise will be generated by the cattle present. Since there will not be machinery in operation at the site, this noise will be minimal

**No-go alternative:**

Will the activity generate noise?

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

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

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

Describe the noise in terms of type and level:

None

**b. WATER USE**

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

|           |             |                  |                               |       |                                    |
|-----------|-------------|------------------|-------------------------------|-------|------------------------------------|
| Municipal | Water board | Groundwater<br>√ | River, stream,<br>dam or lake | Other | The activity will<br>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:

250 000 litres

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

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

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

A new borehole will be drilled to service the proposed feedlot if the application is approved. This borehole will be registered with DWS and copy of the certificate will be forwarded to DESTEA. A copy of the DBAR will also be circulated to DWS for comment.



---

**No-go alternative**

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

|           |             |             |                            |       |                                   |
|-----------|-------------|-------------|----------------------------|-------|-----------------------------------|
| Municipal | 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?

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

|          |      |
|----------|------|
| 0 litres |      |
| YES      | NO ✓ |

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

**12. ENERGY EFFICIENCY**

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

|   |
|---|
| Energy efficient light bulbs will be used throughout. |
|---|

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

|      |
|------|
| None |
|------|

**No-go alternative**

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

|      |
|------|
| None |
|------|

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

|      |
|------|
| None |
|------|

## 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?

|          |    |
|----------|----|
| YES<br>✓ | 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:**

|                              |                                    |
|------------------------------|------------------------------------|
| <b>Province</b>              | Free State                         |
| <b>District Municipality</b> | Fezile Dabi District Municipality. |
| <b>Local Municipality</b>    | Moqhaka Local Municipality.        |
| <b>Ward Number(s)</b>        | 22                                 |
| <b>Farm name and number</b>  | Groenfontein 540                   |
| <b>Portion number</b>        | N/A                                |
| <b>SG Code</b>               | F036000000000540                   |

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?

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

## 1. GRADIENT OF THE SITE

Indicate the general gradient of the site.

### Alternative S1:

|      |                  |             |             |              |             |                  |
|------|------------------|-------------|-------------|--------------|-------------|------------------|
| Flat | 1:50 – 1:20<br>√ | 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

### Alternative S1:

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 checked="" type="checkbox"/> | 2.5 Open valley   | <input type="checkbox"/> | 2.8 Dune                         | <input type="checkbox"/> |
| 2.3 Side slope of hill/mountain | <input 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

### Alternative S1:

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

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

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.

#### 4. GROUND COVER

##### Alternative S1:

Indicate the types of groundcovers 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 <sup>E</sup> | Natural veld with scattered aliens <sup>E</sup><br>√ | Natural veld with heavy alien infestation <sup>E</sup> | Veld dominated by alien species <sup>E</sup> | Gardens   |
| Sport field                                | Cultivated land                                      | Paved surface  | Building or other structure                  | Bare soil |

If any of the boxes marked with an “<sup>E</sup>” 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.

**Please see Appendix D for the relevant Specialist Report.**

#### 5. SURFACE WATER

##### Alternative S1:

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

|                              |     |      |        |
|------------------------------|-----|------|--------|
| Perennial River              | YES | NO √ | UNSURE |
| Non-Perennial River          | YES | NO √ | UNSURE |
| Permanent Wetland            | YES | NO √ | UNSURE |
| Seasonal Wetland             | YES | NO √ | UNSURE |
| Artificial Wetland           | YES | NO √ | UNSURE |
| Estuarine / Lagoonal wetland | YES | NO √ | UNSURE |

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

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

|  |
|--|
|  |
|  |

## 6. LAND USE CHARACTER OF SURROUNDING AREA

### Alternative S1:

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 <sup>H</sup>     |
| Medium density residential               | School                                      | Landfill or waste treatment site |
| High density residential                 | Tertiary education facility                 | Plantation                       |
| Informal residential <sup>A</sup>        | Church                                      | Agriculture ✓                    |
| Retail commercial & warehousing          | Old age home                                | River, stream or wetland         |
| Light industrial                         | Sewage treatment plant <sup>A</sup>         | Nature conservation area         |
| Medium industrial <sup>AN</sup>          | Train station or shunting yard <sup>N</sup> | Mountain, koppie or ridge        |
| Heavy industrial <sup>AN</sup>           | Railway line <sup>N</sup>                   | Museum                           |
| Power station                            | Major road (4 lanes or more) <sup>N</sup>   | Historical building              |
| Office/consulting room                   | Airport <sup>N</sup>                        | Protected Area                   |
| Military or police base/station/compound | Harbour                                     | Graveyard                        |
| Spoil heap or slimes dam <sup>A</sup>    | 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:

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

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:

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

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:

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

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

|  |     |      |
|--|-----|------|
| Critical Biodiversity Area (as per provincial conservation plan) | YES | NO ✓ |
| Core area of a protected area?                                   | YES | NO ✓ |

|  |     |      |
|--|-----|------|
| Buffer area of a protected area?   | YES | NO ✓ |
| Planned expansion area of an existing protected area?                        | YES | NO ✓ |
| Existing offset area associated with a previous Environmental Authorisation? | YES | NO ✓ |
| Buffer area of the SKA?  | YES | NO ✓ |

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

### Alternative S1:

|   |           |      |
|---|-----------|------|
| 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       | NO ✓ |
|   | Uncertain |      |
|   |           |      |

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:

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

|   |     |      |
|---|-----|------|
| Will any building or structure older than 60 years be affected in any way?  | YES | NO ✓ |
| Is it necessary to apply for a permit in terms of the National Heritage Resources Act, 1999 (Act 25 of 1999)?               | YES | NO ✓ |
| 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:

|       |
|-------|
| 35.2% |
|-------|

Economic profile of local municipality:

|   |
|---|
| The Mqohaka Local Municipality is a Category B municipality situated within the southern part of the Fezile Dabi District in the Free State Province. It is the largest of four municipalities in the district, making up over a third of its geographical area. The former Kroonstad, Steynsrus and Viljoenskroon Transitional Local Councils and sections of the Riemland, Kroonkop and Koepel Transitional Rural |
|---|

Councils are included in the municipality. The seat of local government is Kroonstad. The community's name is the south Sesotho word for 'crown'. The general tendency of migration from rural to urban areas is also occurring in the area, as is the case in the rest of the Free State Province. In comparison to the other municipalities within the Fezile Dabi District, it appears as if Mophaka is significantly less urbanised. The Greater Kroonstad area is the centre of a large agricultural community that plays an important role in the economy of the district. Subsequently, industrial activities contribute significantly to the district's economy. The Department of Correctional Services and the School of Engineers military bases are situated in the town. Kroonstad has recently become a distinguished holiday destination due to the ultra-modern and popular holiday resort of Kroonpark, adjacent to the Vaal River. The urban area is situated adjacent to the N1 National Road, and located adjacent to one of the largest and most important four-way railway junctions in South Africa. The Viljoenskroon/Rammulotsi urban area is located within an area of extreme agricultural significance. The urban area plays a significant role in providing residential opportunities to the adjacent goldfields and mining activities in the North West province. The Provincial Roads P15/1 and P15/2 from Kroonstad to Klerksdorp in the North West province extend through the area from north to south. The Steynsrus/Matlwangtlwang urban area is situated approximately 45km east of Kroonstad and 92km west of Bethlehem. The major link road between Bethlehem and Kroonstad stretches adjacent to the urban area.

**Area:** 7 925km<sup>2</sup>

**Cities/Towns:** Kroonstad, Renovaal, Steynsrus, Vierfontein, Viljoenskroon

**Main Economic Sectors:** Agriculture, commercial transport, business services, mining

Level of education:

**No schooling:** 3.8%

**Matric:** 31.5%

**Higher education:** 6.7%

## b) Socio-economic value of the activity

|  |   |  |
|--|---|--|
| What is the expected capital value of the activity on completion?  | R 35 000 000.00                         |  |
| What is the expected yearly income that will be generated by or as a result of the activity?                         | R 150 000 000.00                        |  |
| Will the activity contribute to service infrastructure?  | YES <input checked="" type="checkbox"/> | NO                                     |
| Is the activity a public amenity?  | YES                                     | NO <input checked="" type="checkbox"/> |
| How many new employment opportunities will be created in the development and construction phase of the activity/ies? | 30                                      |  |
| What is the expected value of the employment opportunities during the development and construction phase?            | R 500 000.00                            |  |
| What percentage of this will accrue to previously disadvantaged individuals?   | 90%                                     |  |
| How many permanent new employment opportunities will be created during the operational phase of the activity?        | 10-15                                   |  |
| What is the expected current value of the employment opportunities during the first 10 years?                        | R 6 500 000.00                          |  |
| What percentage of this will accrue to previously disadvantaged individuals?   | 90%                                     |  |

## 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](mailto: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)**

**Alternative S1:**

| 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**

**Alternative S1:**

| Habitat Condition  | Percentage of habitat condition class (adding up to 100%) | Description and additional Comments and Observations<br>(including additional insight into condition, e.g. poor land management practises, presence of quarries, grazing, harvesting regimes etc). |
|--|---|--|
| Natural  | %   |  |
| Near Natural<br>(includes areas with low to moderate level of alien invasive plants) | 100 %   | The site consists of indigenous vegetation that is ranked as Degraded and Other in terms of biodiversity. See Appendix D for the relevant Specialist Report.                                       |
| Degraded<br>(includes areas heavily invaded by alien plants)                         | %   |  |
| Transformed<br>(includes cultivation,  | %   |  |



|   |  |  |
|---|--|--|
| dams, urban,<br>plantation, roads, etc) |  |  |
|---|--|--|

**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   |    |        |         |      |           |         |
|--|------------------|--|----|--------|---------|------|-----------|---------|
| <b>Ecosystem threat status as per the National Environmental Management: Biodiversity Act (Act No. 10 of 2004)</b> | Critical         | Wetland (including rivers, depressions, channelled and unchanneled wetlands, flats, seeps pans, and artificial wetlands) |    |        | Estuary |      | Coastline |         |
|  | Endangered<br>√  |  |    |        |         |      |           |         |
|  | Vulnerable       |  |    |        |         |      |           |         |
|  | Least Threatened | YES  | NO | UNSURE | YES     | NO √ | YES       | NO<br>√ |

**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)**

**Alternative S1:**

The indigenous vegetation (Vaal-Vet Sandy Grassland) has been exposed to heavy grazing over an extended period of time and transformed by sowing of pasture grass. It is classified as Degraded (60%) and Other (40%) according to the provincial biodiversity conservation planning. See Appendix D for the relevant Specialist Report

## SECTION C: PUBLIC PARTICIPATION

### 1. ADVERTISEMENT AND NOTICE

|                             |                   |                  |
|-----------------------------|-------------------|------------------|
| <b>Publication name</b>     | Klerksdorp Record |                  |
| <b>Date published</b>       | 8 March 2024      |                  |
| <b>Site notice position</b> | <b>Latitude</b>   | <b>Longitude</b> |
|                             | 27°03'22.51"      | 26° 45' 13.87"   |
| <b>Date placed</b>          | 8 March 2024      |                  |

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 326

Key stakeholders (other than organs of state) identified in terms of Regulation 41(2)(b) of GN 326

| <b>Title, Name and Surname</b> | <b>Affiliation/ key stakeholder status</b> | <b>Contact details (tel number or e-mail address)</b> |
|--------------------------------|--|---|
| Deon van Biljon                | Neighbour                                  | 082 552 7426  |
| Jaco van Biljon                | Neighbour                                  | 079 498 0602  |
| Herman Nel                     | Neighbour                                  | 083 383 8020  |
| Jan-Harm Steenkamp             | Neighbour                                  | 076 757 8338  |

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

| <b>Summary of main issues raised by I&amp;APs</b> | <b>Summary of response from EAP</b> |
|---|-------------------------------------|
|   |                                     |

### 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 |
|-----------------------------------|--|------------------------------|--------|---|----------------|
| DWS                               | George Nel                               | 082 8785 707                 |        | nelg@dws.gov.za   |                |
| Moqhaka Local Municipality        | Rebone Tsheane                           | 056 216 9212                 |        | townplanning.moqhaka@gmail.com                              |                |
| Fezile Dabi District Municipality | Mcebo Mkhathswa                          | 016 970 8600<br>016 970 8735 |        | mcebom@feziledabi.gov.za                                    |                |
| Moqhaka Ward 22 Councillor        | Kamla Roderick                           | 071 334 6165                 |        | bnddoggroderick@gmail.com                                   |                |
| DARD                              | Christa Klinc                            | 060 978 3142                 |        | christa.klinck.ck@gmail.com<br>hodofficemanager@dard.gov.za |                |
| DALRRD                            |  | 012 312 8911/ 012 319 6000   |        | queries@dalrrd.gov.za<br>info@dalrrd.gov.za                 |                |

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 as amended 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   |
|--|-----------------------------------|--------------|---|
| <b>Alternative 1 (preferred alternative)</b> |                                   |              |   |
|  | <b>Direct impacts:</b>            |              |   |
|  | Positive impacts                  | High         | None  |
|  | Air quality and disturbance       | Low          | Dust control by means of watering if necessary. Vehicles to be regularly serviced and well-tuned. Operations to be undertaken during working hours only.  |
|  | Surface and groundwater pollution | Low          | Machinery must be properly maintained at all times. Servicing of machinery must take place only in specific demarcated and protected areas. Measures must be taken for the proper disposal of oils, grease, oil filters, rags, etc.<br><br>The layout plan in Appendix A has been updated to include, berms for diverting rainwater around the site, storm water ditches for directing rainwater that falls within the site and a scarification area. This area will be planted with extra vegetation and rocks will be placed to slow down water flow. This will give rain water |

| Activity | Impact summary   | Significance | Proposed mitigation  |
|----------|--|--------------|--|
|          |  |              | that fell within the site a chance to filter through the vegetation before being discharged.   |
|          | Sewage and domestic waste                                | Low          | Proper ablution facilities must be provided i.e. chemical toilets at appropriate locations on site if necessary or existing facilities must be used. Workers must be made aware of the risk of soil water contamination. Domestic waste must be disposed of in appropriate containers, and removed to the Nearest municipal waste-disposal site as part of existing waste management system. |
|          | Soil compaction, loss of fertility and increased erosion | Low          | Appropriate measures must be taken to reduce the risk of erosion from unprotected slopes i.e. Diversion berms, ponding pools, and not exceeding angles of repose of stockpiled material. All unprotected slopes must be Rehabilitated concurrent with construction.  |
|          | Fires  | Low          | Cooking and heating fires permitted only in designated areas with appropriate safety measures. Adequate firefighting equipment must be available, as prescribed by the relevant safety standards and legislation.  |
|          | Disturbance of fauna                                     | Low          | Only small animals occur in this area e.g. small rodents and reptiles. The area is surrounded by similar habitat and fauna is expected to move voluntarily to surrounding areas. No fauna found on the site will be killed.  |
|          | Safety   | Low          | Access to the construction site to be controlled at all times.   |
|          | Aesthetics   | Low          | If needed, an additional line of trees will be planted to minimise visual impact.  |

| Activity | Impact summary                     | Significance | Proposed mitigation |
|----------|------------------------------------|--------------|---------------------|
|          | <b>Cumulative impacts:</b>         |              |                     |
|          | <b>Direct impacts:</b><br>None     |              |                     |
|          | <b>Indirect impacts:</b><br>None   |              |                     |
|          | <b>Cumulative impacts:</b><br>None |              |                     |

| Activity              | Impact summary                    | Significance | Proposed mitigation   |
|-----------------------|-----------------------------------|--------------|---|
| <b>Alternative S1</b> |                                   |              |   |
|                       | <b>Direct impacts:</b>            |              |   |
|                       | Positive impacts                  | High         | None  |
|                       | Air quality and disturbance       | Low          | Dust control by means of watering if necessary. Vehicles to be regularly serviced and well-tuned. Operations to be undertaken during working hours only.  |
|                       | Surface and groundwater pollution | Low          | <p>Machinery must be properly maintained at all times. Servicing of machinery must take place only in specific demarcated and protected areas. Measures must be taken for the proper disposal of oils, grease, oil filters, rags, etc.</p> <p>The layout plan in Appendix A has been updated to include, berms for diverting rainwater around the site, storm water ditches for directing rainwater that falls within the site and a scarification area. This area will be planted with extra vegetation and rocks will be placed to slow down water flow. This will give rain water that fell within the site a chance to filter through the vegetation before being discharged.</p> |
|                       | Sewage and domestic waste         | Low          | Proper ablution facilities must be provided i.e. chemical toilets at appropriate locations on site if necessary or existing facilities must   |

| Activity                 | Impact summary   | Significance | Proposed mitigation   |
|--------------------------|--|--------------|---|
|                          |  |              | be used. Workers must be made aware of the risk of soil water contamination. Domestic waste must be disposed of in appropriate containers, and removed to the Nearest municipal waste-disposal site as part of existing waste management system.                    |
|                          | Soil compaction, loss of fertility and increased erosion | Low          | Appropriate measures must be taken to reduce the risk of erosion from unprotected slopes i.e. Diversion berms, ponding pools, and not exceeding angles of repose of stockpiled material. All unprotected slopes must be Rehabilitated concurrent with construction. |
|                          | Fires  | Low          | Cooking and heating fires permitted only in designated areas with appropriate safety measures. Adequate firefighting equipment must be available, as prescribed by the relevant safety standards and legislation.   |
|                          | Disturbance of fauna                                     | Low          | Only small animals occur in this area e.g. small rodents and reptiles. The area is surrounded by similar habitat and fauna is expected to move voluntarily to surrounding areas. No fauna found on the site will be killed.   |
|                          | Safety   | Low          | Access to the construction site to be controlled at all times.  |
|                          | Aesthetics   | Low          | If needed, an additional line of trees will be planted to minimise visual impact.   |
|                          | <b>Indirect impacts:</b><br>None                         |              |   |
|                          | <b>Cumulative impacts:</b><br>None                       |              |   |
| <b>Operational Phase</b> |  |              |   |

| Activity | Impact summary                     | Significance | Proposed mitigation  |
|----------|------------------------------------|--------------|--|
|          | Manure                             | Low          | At the end of each cycle, (approximately 4 months) all manure is removed from the camps and removed from site immediately on closed trucks to be used as fertiliser on agricultural fields. No manure will be stored on site.  |
|          | Mortalities                        | Low          | The mortalities are removed on a daily basis and is collected by a predator farmer. In the event of a disease outbreak, the State Veterinarian will be contacted immediately, and the feedlot will be quarantined. Any mass mortalities, culling, and disposal of carcasses will be handled strictly according to instructions from the State Veterinarian, which may include incineration, deep burial at an approved site, or rendering at a licensed facility. The site will also have strict biosecurity measures in place, including vehicle sprayers, compulsory spray booths for all visitors and employees, and footbaths placed at regular intervals to prevent the spread of disease. Additionally, movement of livestock and personnel will be restricted as per veterinary directives to contain the outbreak. |
|          | <b>Indirect impacts:</b><br>None   |              |  |
|          | <b>Cumulative impacts:</b><br>None |              |  |

| No-go option |  |     |      |
|--------------|--|-----|------|
|              | <b>Direct impacts:</b>                                   |     |      |
|              | Positive impacts   | Low | None |
|              | Air quality and disturbance                              | Low | None |
|              | Surface and groundwater pollution                        | Low | None |
|              | Sewage and domestic waste                                | Low | None |
|              | Soil compaction, loss of fertility and increased erosion | Low | None |
|              | Fires  | Low | None |



|  |                                    |     |      |
|--|------------------------------------|-----|------|
|  | Disturbance of fauna               | Low | None |
|  | Safety                             | Low | None |
|  | Aesthetics                         | Low | None |
|  | Manure                             | Low | None |
|  | Mortalities                        | Low | None |
|  | <b>Indirect impacts:</b><br>None   |     |      |
|  | <b>Cumulative impacts:</b><br>None |     |      |

A complete impact assessment in terms of Regulation 19(3) of GN 326 must be included as Appendix F.

## 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 S1:

| Impact no:<br>(As described<br>in paragraphs<br>3 and 4 above) | Extent                       | Duration                | Intensity             | Probability                        | Significance          |           |
|--|------------------------------|-------------------------|-----------------------|------------------------------------|-----------------------|-----------|
|  | Site<br>Regional<br>National | Short<br>Medium<br>Long | Low<br>Medium<br>High | Improbable<br>Probable<br>Definite | Low<br>Medium<br>High |           |
|  |                              |                         |                       |                                    | Unmitigated           | Mitigated |
| <b>CONSTRUCTION PHASE</b>                                      |                              |                         |                       |                                    |                       |           |
| 1. Positive impacts  | Site and Regional            | Short                   | Low                   | Definite                           | High                  | High      |
| 2. Air quality and disturbance                                 | Site                         | Short                   | Medium                | Definite                           | Medium                | Low       |
| 3. Surface and ground water                                    | Site                         | Short                   | Low                   | Improbable                         | Low                   | Low       |
| 4. Uncontrolled sewage and domestic waste                      | Site                         | Short                   | High                  | Improbable                         | High                  | Low       |
| 5. Soil compaction, loss of fertility and increased erosion    | Site                         | Long                    | Medium                | Probable                           | High                  | Low       |
| 6. Fires   | Site and Regional            | Short                   | High                  | Improbable                         | High                  | Low       |

|   |                   |       |        |            |        |      |
|---|-------------------|-------|--------|------------|--------|------|
| 7. Disturbance of fauna                       | Site              | Long  | High   | Definite   | Low    | Low  |
| 8. Safety                                     | Site              | Short | High   | Probable   | High   | Low  |
| 9. Aesthetics                                 | Site and Regional | Long  | Low    | Definite   | Low    | Low  |
| OPERATIONAL PHASE                             |                   |       |        |            |        |      |
| 1. Sewage, waste and litter                   | Site              | Long  | High   | Definite   | High   | Low  |
| 2. Manure                                     | Site              | Long  | High   | Definite   | High   | Low  |
| 3. Wash water and possible pollution of water | Site and Regional | Long  | High   | Improbable | High   | Low  |
| 4. Mortalities                                | Site              | Long  | High   | Definite   | High   | Low  |
| 5. Air pollution                              | Site and Regional | Long  | Medium | Improbable | Medium | Low  |
| 6. Positive impacts                           | Site and Regional | Long  | Medium | Definite   | High   | High |

| <b>Alternative A1</b>  |                              |                         |                       |                                    |                       |           |
|--|------------------------------|-------------------------|-----------------------|------------------------------------|-----------------------|-----------|
| Impact no:<br>(As described<br>in paragraphs<br>3 and 4 above) | Extent                       | Duration                | Intensity             | Probability                        | Significance          |           |
|  | Site<br>Regional<br>National | Short<br>Medium<br>Long | Low<br>Medium<br>High | Improbable<br>Probable<br>Definite | Low<br>Medium<br>High |           |
|  |                              |                         |                       |                                    | Unmitigated           | Mitigated |
| CONSTRUCTION PHASE   |                              |                         |                       |                                    |                       |           |
| 1. Positive impacts  | Site and Regional            | Short                   | Low                   | Definite                           | High                  | High      |
| 2. Air quality and disturbance                                 | Site                         | Short                   | Medium                | Definite                           | Medium                | Low       |
| 3. Surface and ground water                                    | Site                         | Short                   | Low                   | Improbable                         | Low                   | Low       |
| 4. Uncontrolled sewage and domestic waste                      | Site                         | Short                   | High                  | Improbable                         | High                  | Low       |
| 5. Soil compaction, loss of fertility and increased erosion    | Site                         | Long                    | Medium                | Probable                           | High                  | Low       |
| 6. Fires   | Site and Regional            | Short                   | High                  | Improbable                         | High                  | Low       |
| 7. Disturbance of fauna  | Site                         | Long                    | High                  | Definite                           | Low                   | Low       |
| 8. Safety  | Site                         | Short                   | High                  | Probable                           | High                  | Low       |
| 9. Aesthetics  | Site and Regional            | Long                    | Low                   | Definite                           | Low                   | Low       |
| OPERATIONAL PHASE  |                              |                         |                       |                                    |                       |           |
| 1. Sewage, waste and litter                                    | Site                         | Long                    | High                  | Definite                           | High                  | Low       |
| 2. Manure  | Site                         | Long                    | High                  | Definite                           | High                  | Low       |
| 3. Wash water and possible pollution of water                  | Site and Regional            | Long                    | High                  | Improbable                         | High                  | Low       |
| 4. Mortalities   | Site                         | Long                    | High                  | Definite                           | High                  | Low       |
| 5. Air pollution   | Site and Regional            | Long                    | Medium                | Improbable                         | Medium                | Low       |
| 6. Positive impacts  | Site and Regional            | Long                    | Medium                | Definite                           | High                  | High      |
| Impact no:<br>(As described<br>in paragraphs<br>3 and 4 above) | Extent                       | Duration                | Intensity             | Probability                        | Significance          |           |
|  | Site<br>Regional<br>National | Short<br>Medium<br>Long | Low<br>Medium<br>High | Improbable<br>Probable<br>Definite | Low<br>Medium<br>High |           |
|  |                              |                         |                       |                                    | Unmitigated           | Mitigated |

#### **No-go alternative (compulsory)**

| Impact no: | Extent | Duration | Intensity | Probability | Significance |
|------------|--------|----------|-----------|-------------|--------------|
|------------|--------|----------|-----------|-------------|--------------|

| (As described in paragraphs 3 and 4 above)                  | Site<br>Regional<br>National | Short<br>Medium<br>Long | Low<br>Medium<br>High | Improbable<br>Probable<br>Definite | Low<br>Medium<br>High |           |
|---|------------------------------|-------------------------|-----------------------|------------------------------------|-----------------------|-----------|
|   |                              |                         |                       |                                    | Unmitigated           | Mitigated |
| CONSTRUCTION PHASE  |                              |                         |                       |                                    |                       |           |
| 1.Positive impacts  | Site                         | Short                   | Low                   | Improbable                         | High                  | High      |
| 2. Air quality and disturbance                              | Site                         | Short                   | Medium                | Definite                           | Medium                | Medium    |
| 3. Surface and ground water                                 | Site                         | Short                   | Low                   | Improbable                         | Low                   | Low       |
| 4. Uncontrolled sewage and domestic waste                   | Site                         | Short                   | High                  | Improbable                         | Low                   | Low       |
| 5. Soil compaction, loss of fertility and increased erosion | Site                         | Medium                  | Medium                | Definite                           | Low                   | Low       |
| 6. Fires  | Site and Regional            | Short                   | High                  | Improbable                         | High                  | Low       |
| 7. Disturbance of fauna                                     | Short                        | Long                    | High                  | Definite                           | Low                   | Low       |
| 8. Safety   | Site                         | Short                   | High                  | Improbable                         | Low                   | Low       |
| 9. Aesthetics   | Site and Regional            | Short                   | Low                   | Definite                           | Low                   | Low       |
| OPERATIONAL PHASE   |                              |                         |                       |                                    |                       |           |
| 1. Sewage, waste and litter                                 | Site                         | Long                    | High                  | Improbable                         | Low                   | Low       |
| 2. Manure   | Site                         | N/A                     | High                  | Improbable                         | High                  | Low       |
| 3. Wash water and possible pollution of water               | Site and Regional            | N/A                     | High                  | Improbable                         | High                  | Low       |
| 4. Fat and organic solid waste                              | Site                         | N/A                     | High                  | Improbable                         | High                  | Low       |
| 5. Air pollution  | Site and Regional            | Short                   | Medium                | Definite                           | Medium                | Medium    |
| 6. Positive impacts   | Site and Regional            | Long                    | Medium                | Improbable                         | High                  | High      |

## 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 ✓

NO

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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).

|  |
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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.

|  |
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|  |
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Is an EMPr attached?

YES ☒

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.

Helen Prinsloo

NAME OF EAP



SIGNATURE OF EAP

12/02/2025

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