

BASIC ASSESSMENT REPORT



**agriculture, environmental affairs,
rural development and land reform**

Department:
agriculture, environmental affairs,
rural development and land reform .
NORTHERN CAPE PROVINCE
REPUBLIC OF SOUTH AFRICA

SASKO Building, 90 Long Street, Private Bag X6102, Kimberley 8300 Tel. 053-8077300 Fax: 053-8077328

Project applicant:	Excelsior Abattoir CC		
Business reg. o. /ID. no.:	2001/077601/23		
Contact person:	Rianes de Klerk		
Postal address:	PO Box 1110, Kuruman, 8460		
Telephone:	N/A	Cell:	083 285 1910
E-mail:	rianes@vodamail.co.za	Fax:	N/A

Prepared by:

Environmental Assessment Practitioner/Firm:	EARTHnSKY Environmental (Pty) Ltd.		
Business reg. no. /ID. no.:	2016/038973/07		
Contact person:	Lizette Kloppers		
Postal address:	PO Box 5419, Rietvalleirand, 0174		
Telephone:	061 524 2211	Cell:	061 524 2211
E-mail:	lizette@earthnsky.co.za alternative: lizette.earthnsky@gmail.com	Fax:	086 552 6837

(For official use only)

File Reference Number:

Application Number:

Date Received:

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

Kindly note that:

1. This **basic assessment report** is a standard report that may be required by a competent authority in terms of the EIA Regulations, 2014 and is meant to streamline applications. Please make sure that it is the report used by the particular competent authority for the activity that is being applied for.
2. This report format is current as of 07 April 2017. It is the responsibility of the applicant to ascertain whether subsequent versions of the form have been published or produced by the competent authority
3. The report must be typed within the spaces provided in the form. The size of the spaces provided is not necessarily indicative of the amount of information to be provided. The report is in the form of a table that can extend itself as each space is filled with typing.
4. Where applicable **tick** the boxes that are applicable in the report.
5. An incomplete report may be returned to the applicant for revision.
6. The use of “not applicable” in the report must be done with circumspection because if it is used in respect of material information that is required by the competent authority for assessing the application, it may result in the rejection of the application as provided for in the regulations.
7. This report must be handed in at offices of the relevant competent authority as determined by each authority.
8. No faxed or e-mailed reports will be accepted.
9. The signature of the EAP on the report must be an original signature.
10. The report must be compiled by an independent environmental assessment practitioner.
11. Unless protected by law, all information in the report will become public information on receipt by the competent authority. Any interested and affected party should be provided with the information contained in this report on request, during any stage of the application process.
12. A competent authority may require that for specified types of activities in defined situations only parts of this report need to be completed.
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.

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. **NOT APPLICABLE**

1. ACTIVITY DESCRIPTION

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

Expansion of the existing Excelsior Abattoir to increase the cattle (red meat) slaughtering capacity from 50 to 200 cattle per day. The expansion will include internal changes to the abattoir as well as the expansion of the abattoir building to accommodate an additional cold storage room (chiller) with three product loading bays etc..

The main abattoir building will be extended to the north-west with the following infrastructure:

- Chiller
- Order make-up area (chilled area)
- Air lock
- Two carcass dispatch bays
- One box dispatch bay

The main abattoir building will be extended to the south-west with the following infrastructure:

- Deboning facility
- Chiller/ refrigeration
- Boxing area
- Freezer store

The total infrastructure expansion area will be approximately 430m².

The operational process of the abattoir can be summarised as follows:

- Animals are transported to the holding pens ("kraals") of the abattoir via trucks and contained within a demarcated area;
- The abattoir is mainly divided into two different areas, i.e. dirty- and clean areas. Within the dirty area, the slaughtering takes place and all blood within this area is collected and transported off site for composting. Animal hides, heads, stomach etc., are removed and water used to clean this area is diverted to the municipal sewage treatment system. In the dedicated clean areas, carcasses are stored in chillers until being transported off-site and sold to 3rd parties. Offal is also processed, packaged and kept in chillers prior to being sold and taken off-site.
- Animal hides are temporarily stored and salted in a dedicated storage area before being sold and taken off-site.

The abattoir also has the capacity to slaughter 300 sheep per day.

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
<p>GNR 983 (Listing Notice 1) Activity 38: The expansion and related operation of facilities for the slaughter of animals where the daily product throughput will be increased by more than —</p> <p>(ii) 6 units of reptiles, <u>red meat</u> and game.</p>	<p>Expansion of the existing Excelsior Abattoir to increase the cattle (red meat) slaughtering capacity from 50 to 200 cattle per day. The expansion will include internal changes to the existing abattoir as well as the expansion of the abattoir building to accommodate an additional cold storage room with three product loading bays. The main abattoir building will be extended to the north-west and south-west.</p> <p>The total infrastructure expansion area will be approximately 430m².</p>

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), Regulation 2014. Alternatives should include a consideration of all possible means by which the purpose and need of the proposed activity (NOT PROJECT) could be accomplished in the specific instance taking account of the interest of the applicant in the activity. The no-go alternative must in all cases be included in the assessment phase as the baseline against which the impacts of the other alternatives are assessed.

The determination of whether site or activity (including different processes, etc.) or both is appropriate needs to be informed by the specific circumstances of the activity and its environment. After receipt of this report the, competent authority may also request the applicant to assess additional alternatives that could possibly accomplish the purpose and need of the proposed activity if it is clear that realistic alternatives have not been considered to a reasonable extent.

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

a) Site alternatives

Alternative 1 (preferred alternative)		
Description	Lat (DDMMSS)	Long (DDMMSS)
Existing Excelsior Abattoir site	27°28'31.08"S	23°26'37.32"E
Alternative 2		
Description	Lat (DDMMSS)	Long (DDMMSS)
NOT APPLICABLE – NO SITE ALTERNATIVES POSSIBLE AS THE PROJECT IS FOR THE EXPANSION OF AN EXISTING ABATTOIR		
Alternative 3		
Description	Lat (DDMMSS)	Long (DDMMSS)
NOT APPLICABLE – NO SITE ALTERNATIVES POSSIBLE AS THE PROJECT IS FOR THE EXPANSION OF AN EXISTING ABATTOIR		

In the case of linear activities: **NOT APPLICABLE – THE ACTIVITY IS NOT A LINEAR ACTIVITY**

Alternative:	Latitude (S):	Longitude (E):
Alternative S1 (preferred)		
• Starting point of the activity		
• Middle/Additional point of the activity		
• End point of the activity		
Alternative S2 (if any)		
• Starting point of the activity		
• Middle/Additional point of the activity		
• End point of the activity		
Alternative S3 (if any)		
• Starting point of the activity		
• Middle/Additional point of the activity		
• End point of the activity		

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

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

b) Lay-out alternatives

Alternative 1 (preferred alternative)		
Description	Lat (DDMMSS)	Long (DDMMSS)
Consideration of different spatial / layout configurations of the expansion activities and infrastructure were considered. However, the existing layout and production process flow of the abattoir does only lend itself to a specific location for the expansion infrastructure. The main	27°28'31.06"S	23°26'36.78"E

<p>abattoir building will be extended to the north-west with the following infrastructure:</p> <ul style="list-style-type: none"> • Chiller • Order make-up area (chilled area) • Air lock • Two carcass dispatch bays • One box dispatch bay <p>The main abattoir building will be extended to the south-west with the following infrastructure:</p> <ul style="list-style-type: none"> • Deboning facility • Chiller/ refrigeration • Boxing area • Freezer store <p>The total infrastructure expansion area will be approximately 430m².</p> <p>The new chiller room is to be located adjacent to the 2 existing chillers and will result in:</p> <ol style="list-style-type: none"> 1) Reduced construction and operational costs; and 2) Ease of access for maintenance activities required for the internal and external refrigeration infrastructure. <p>The proposed expansion will have minimal impacts on the environment as it is on transformed land.</p> <p>Refer to Appendix C for the Site Layout Plan.</p>		
Alternative 2		
Description	Lat (DDMMSS)	Long (DDMMSS)
NOT APPLICABLE – NO LAYOUT ALTERNATIVES POSSIBLE AS THE PROJECT IS FOR THE EXPANSION OF AN EXISTING ABATTOIR		
Alternative 3		
Description	Lat (DDMMSS)	Long (DDMMSS)
NOT APPLICABLE – NO LAYOUT ALTERNATIVES POSSIBLE AS THE PROJECT IS FOR THE EXPANSION OF AN EXISTING ABATTOIR		

c) Technology alternatives

Alternative 1 (preferred alternative)
<p>The existing layout, infrastructure types and production process flow of the abattoir does only lend itself to install specific technologies. The proposed additional chiller room will need to be of the same manufacturer / technology as the existing chiller infrastructure. This will facilitate the ease of maintenance/ servicing and repairs at a reduced cost. No alternative technologies could therefore be considered.</p>

Alternative 2		
NOT APPLICABLE – NO TECHNOLOGY ALTERNATIVES POSSIBLE AS THE PROJECT IS FOR THE EXPANSION OF AN EXISTING ABATTOIR		
Alternative 3		
NOT APPLICABLE – NO TECHNOLOGY ALTERNATIVES POSSIBLE AS THE PROJECT IS FOR THE EXPANSION OF AN EXISTING ABATTOIR		

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

Alternative 1 (preferred alternative)		
<p>The proposed capacity increase for the abattoir is from 50 to 200 cattle/day. This demand/scale determination was based on the following:</p> <ol style="list-style-type: none"> 1) Need from surrounding farmers and market demand; 2) The capacity of the existing infrastructure together with the current site layout, affordability and availability for expansions for maximum productivity and efficiency; and 3) The expansion to 200 cattle/day has been determined to be the optimal slaughtering capacity for the abattoir in terms of economies of scale. <p>The additional chiller room and associated infrastructure will result in increased product quality and quantities processed and supplied to the market. This is the only and preferred demand/scale alternative that could be considered.</p>	27°28'31.06"S	23°26'36.78"E
Alternative 2		
NOT APPLICABLE – NO OTHER ALTERNATIVES POSSIBLE AS THE PROJECT IS FOR THE EXPANSION OF AN EXISTING ABATTOIR		
Alternative 3		
NOT APPLICABLE – NO OTHER ALTERNATIVES POSSIBLE AS THE PROJECT IS FOR THE EXPANSION OF AN EXISTING ABATTOIR		

e) No-go alternative

<p>The proposed expansion will be located at the existing abattoir on private land. The increase in capacity and infrastructure of the existing abattoir aims to support and uplift:</p> <ol style="list-style-type: none"> 1) The commercial status of local livestock farmers; 2) Improve the economies of scale of the existing abattoir; and 3) The social status of the local communities within the local municipal boundaries through job creation. <p>Should the proposed activity not proceed, it will serve to preclude the Applicant and local economy from benefitting from the development of land in a manner acceptable to the general rights of a person to maximize the value of it lawfully and reasonably. Furthermore, the activity directly contributes to the LED Strategy key thrusts for local economic development in Ga-</p>

Segonyana Local Municipality: Agricultural Sector Development. The No-Go Option is therefore not preferred.

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

3. PHYSICAL SIZE OF THE ACTIVITY

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

Alternative:

Alternative A1¹ (preferred activity alternative)

Alternative A2 (if any)

Alternative A3 (if any)

Expansion area

Size of the activity:

Approx. 430 m²
m ²
m ²

or, for linear activities: **NOT APPLICABLE**

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: NOT APPLICABLE – NO ALTERNATIVE SITES

Alternative A1 (preferred activity alternative)

Alternative A2 (if any)

Alternative A3 (if any)

Size of the site/servitude:

m ²
m ²
m ²

4. SITE ACCESS

Does ready access to the site exist?

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

NOT APPLICABLE

YES X	NO
	m

Describe the type of access road planned:

Access to the existing abattoir is off the R31 (Voortrekker Street) and Hobson Street. The existing gravel access road towards the site is approximately 700-800m long and will be used. The Applicant will continue to maintain the access road as needed. No additional access roads are planned as part of this expansion project.

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

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. **(Refer to Annexure C)**

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).

(Refer to Annexure A)

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.

(Refer to Annexure A)

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.

(Refer to Annexure 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.

(Refer to Annexure B)

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.

(Refer to Annexure C)

10. ACTIVITY MOTIVATION

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

1. Is the activity permitted in terms of the property's existing land use rights?	YES X	NO	Please explain
The properties are zoned as Light Industrial and the activities undertaken are permitted within the approved land-use.			
2. Will the activity be in line with the following?			
(a) Provincial Spatial Development Framework (PSDF)	YES X	NO	Please explain
Job creation within the agricultural sector remains a key focus area for the Northern Cape Province.			
(b) Urban edge / Edge of Built environment for the area	YES	NO	Please explain
N/A – The site is not within the urban edge.			

<p>(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?).</p>	<p>YES X</p>	<p>NO</p>	<p>Please explain</p>
<p>Reference is made to the Ga-Segonyana Local Municipality IDP (2022-2023) where it states that the trade and general government sectors in the Ga-Segonyana Municipality contribute most to the GDP. In terms of sub-sectors, the following are important in the agricultural economy of the municipal area: cattle farming, goat farming, poultry farming, game farming, <u>meat processing</u>, fruit and vegetable farming and leather tannery. The LED Strategy defines the following as key thrusts for local economic development in Ga-Segonyana Local Municipality: Thrust 2: Agricultural Sector Development.</p> <p>Some of the challenges and constraints faced by farmers in the municipality within the Agricultural sector includes (and are of project relevance) are <i>inter alia</i>:</p> <ul style="list-style-type: none"> • High inputs costs • Low value addition • Missing agricultural markets (both inputs and outputs) <p>Key interventions identified in the IDP and of project relevance includes <i>inter alia</i>:</p> <ul style="list-style-type: none"> • The improvement of animal productivity • The improvement of market access for farmers <p>The project and activities do not compromise the integrity of the existing approved relevant municipal plans. The abattoir will contribute to development within the agricultural sector.</p>			
<p>(d) Approved Structure Plan of the Municipality</p>	<p>YES</p>	<p>NO</p>	<p>Please explain</p>
<p>N/A</p>			
<p>(e) An Environmental Management Framework (EMF) adopted by the Department (e.g. Would the approval of this application compromise the integrity of the existing environmental management priorities for the area and if so, can it be justified in terms of sustainability considerations?)</p>	<p>YES</p>	<p>NO</p>	<p>Please explain</p>
<p>N/A. The site does not lie within any EMF adopted by the Department, as confirmed on the National Web based Environmental Screening Tool Report for the site.</p>			
<p>(f) Any other Plans (e.g. Guide Plan)</p>	<p>YES</p>	<p>NO</p>	<p>Please explain</p>
<p>N/A.</p>			
<p>3. Is the land use (associated with the activity being applied for) considered within the timeframe intended by the existing approved SDF agreed to by the relevant environmental authority (i.e. is the proposed development in line with the projects and programmes identified as priorities within the credible IDP)?</p>	<p>YES X</p>	<p>NO</p>	<p>Please explain</p>
<p>Yes, refer to 2C above.</p>			

BASIC ASSESSMENT REPORT

<p>4. Does the community/area need the activity and the associated land use concerned (is it a societal priority)? (This refers to the strategic as well as local level (e.g. development is a national priority, but within a specific local context it could be inappropriate.)</p>	<p>YES X</p>	<p>NO</p>	<p>Please explain</p>
<p>Agricultural development as well as job creation within the local municipality remains key focus areas and the project will address various challenges and shortcomings as identified in the IDP.</p>			
<p>5. Are the necessary services with adequate capacity currently available (at the time of application), or must additional capacity be created to cater for the development? (Confirmation by the relevant Municipality in this regard must be attached to the final Basic Assessment Report as Appendix I.)</p>	<p>YES X</p>	<p>NO</p>	<p>Please explain</p>
<p>The current water and electricity supply to the existing abattoir is adequate. These services are supplied and maintained by the local municipality. It is planned for a services confirmation letter for the increased capacity requirements associated with the expansion activities to be included in the Final Basic Assessment Report.</p>			
<p>6. Is this development provided for in the infrastructure planning of the municipality, and if not what will the implication be on the infrastructure planning of the municipality (priority and placement of services and opportunity costs)? (Comment by the relevant Municipality in this regard must be attached to the final Basic Assessment Report as Appendix I.)</p>	<p>YES</p>	<p>NO X</p>	<p>Please explain</p>
<p>The development is not provided for in the infrastructure planning of the municipality as it is a small expansion project to an existing abattoir and of local importance. Thus, the proposed expansion activities and infrastructure will not have any implications for the infrastructure planning of the municipality, as no services and/or infrastructure needs to be upgraded or created to cater for this proposed development. The current capacity of the infrastructure in the area will suffice for the proposed development. It is planned for a services confirmation letter for the increased capacity requirements associated with the expansion activities to be included in the Final Basic Assessment Report.</p>			
<p>7. Is this project part of a national programme to address an issue of national concern or importance?</p>	<p>YES</p>	<p>NO X</p>	<p>Please explain</p>
<p>N/A.</p>			
<p>8. Do location factors favour this land use (associated with the activity applied for) at this place? (This relates to the contextualisation of the proposed land use on this site within its broader context.)</p>	<p>YES X</p>	<p>NO</p>	<p>Please explain</p>
<p>The project involves the expansion of the existing abattoir which was established in 1980's and is located just outside of the town of Kuruman. The site of the abattoir and area earmarked for expansion is also significantly transformed. The site has a favourable location close to Kuruman, appropriate zoning and permitted land use for the activities applied for. The site is also close proximity to adjacent cattle farmers for supply.</p>			

9. Is the development the best practicable environmental option for this land/site?	YES X	NO	Please explain
The site of the abattoir and area earmarked for expansion is significantly transformed and no significant environmental impacts are anticipated as a result of the expansion.			
10. Will the benefits of the proposed land use/development outweigh the negative impacts of it?	YES X	NO	Please explain
Refer to Impact Assessment (Section D of this report)			
11. Will the proposed land use/development set a precedent for similar activities in the area (local municipality)?	YES	NO X	Please explain
No. The proposed project entails the expansion of an existing facility (i.e. not the construction of a new facility).			
12. Will any person's rights be negatively affected by the proposed activity/ies?	YES	NO X	Please explain
It is not foreseen that any person's rights will be negatively affected by the proposed development. Positive social impacts are associated with the project.			
13. Will the proposed activity/ies compromise the "urban edge" as defined by the local municipality?	YES	NO X	Please explain
The site is not situated within the urban edge and the proposed project entails the expansion of an existing facility (i.e. not the construction of a new facility).			
14. Will the proposed activity/ies contribute to any of the 17 Strategic Integrated Projects (SIPs)?	YES	NO X	Please explain
<p>The project is not a SIP but does align with SIP 11: Agri-logistics and rural infrastructure: Improve investment in agricultural and rural infrastructure that supports expansion of production and employment, small-scale farming and rural development, including:</p> <ul style="list-style-type: none"> • Facilities for storage (silos, fresh-produce facilities, packing houses) • Transport links to main networks (rural roads, branch train-line, ports) • Fencing of farms • Irrigation schemes to poor areas • Improved R&D on rural issues (including expansion of agricultural colleges) • <u>Processing facilities (abattoirs, dairy infrastructure)</u> • Aquaculture incubation schemes • Rural tourism infrastructure. 			
15. What will the benefits be to society in general and to the local communities?	Please explain		
The proposed project will assist in alleviating poverty and inequality through the provision of employment opportunities in local communities. It would further also contribute to the local economic development in Ga-Segonyana Local Municipality: Thrust 2: Agricultural Sector Development.			
16. Any other need and desirability considerations related to the proposed activity?	Please explain		
N/A			

17. How does the project fit into the National Development Plan for 2030?	Please explain
<p>Two key objectives of the NDP (2030) of relevance and to which the proposed project will positively contribute towards is:</p> <p>1) <u>Economy and employment:</u> Increase employment from 13 million in 2010 to 24 million in 2030. Ensure that skilled, technical, professional and managerial posts better reflect the country's racial, gender and disability makeup. Successful land reform, job creation and rising agricultural production will contribute to the development of an inclusive rural economy. Creating more jobs through agricultural development, based on effective land reform and the growth of irrigated agriculture and land production.</p> <p>2) <u>Inclusive rural economy</u> An additional 643 000 direct jobs and 326 000 indirect jobs in the agriculture, agroprocessing and related sectors by 2030.</p>	
<p>18. Please describe how the general objectives of Integrated Environmental Management as set out in section 23 of NEMA have been taken into account.</p>	
<p>The proposed Environmental Authorisation application and basic EIA have been undertaken according to section 23 of the National Environmental Management Act (NEMA) (No 107 of 1998) as amended and the following aspects have been considered:</p> <ul style="list-style-type: none"> • An Application for the Environmental Authorisation will be lodged with the Competent Authority: Northern Cape Department of Agriculture, Environmental Affairs, Rural Development and Land Reform; • Potential environmental impacts and risks associated with the project have been identified and assessed for their significance; • The environmental attributes of the site have been taken into consideration and discussed in this report; • The public, local communities and authorities (Interested and Affected Parties) were consulted from the onset and throughout the lifecycle of the project to date; and • The principles of NEMA such as the “polluter pays principle” have also been considered within the assessment and the Environmental Management Programme (EMPR) for the project. 	
<p>19. Please describe how the principles of environmental management as set out in section 2 of NEMA have been taken into account.</p>	
<p>Section 2 of the NEMA states that “environmental management must place people and their needs at the forefront of its concern, and serve their physical, psychological, developmental, cultural and social interests equitably”. Minimal negative environmental impacts will occur as a result of this project and all impacts will be managed and mitigated in accordance with the measures detailed in the EMPR. The project does have positive socio-economic contributions and impacts.</p>	

11. APPLICABLE LEGISLATION, POLICIES AND/OR GUIDELINES

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

Title of legislation, policy or guideline	Applicability to the project	Administering authority	Date
The Constitution of the Republic of South Africa, 1996 (Act No. 108 of 1996).	<p>Protection of human rights and environment as a result of the proposed activity and associated operations.</p> <p>The Applicant has a shared responsibility to ensure that their activities do not infringe upon the environmental right of others. It is therefore important that abattoir waste is not released into the natural environment, i.e. illegal dumping, burying of waste or discharging untreated effluent into rivers as it may cause pollution, spread disease and lead to overall environmental degradation in the communities.</p>	National and Provincial	1996
National Environmental Management Act (NEMA), 1998 (Act No. 107 of 1998) and EIA Regulations (2014) (as amended)	<p>Protection of the environment of the study area and surroundings.</p> <p>This application for Environmental Authorisation and a Basic Impact Assessment process has been lodged in order to comply with the requirements of NEMA, 1998 and the EIA Regulations (2014), as amended.</p> <p>Specific reference to Section 28. Duty of care and remediation of environmental damage states: (1) Every person who causes, has caused or may cause significant pollution or degradation of the environment must take reasonable measures to prevent such pollution or degradation from occurring, continuing or recurring, or, in so far as such harm to the environment is authorised by law or cannot reasonably be avoided or stopped, to minimise and rectify such pollution or degradation of the environment.</p>	National and Provincial	1998
The National Environmental Management: Waste Act (NEM:WA), (Act No. 59 of 2008)	There are no listed activities in terms of the NEM:WA and its Regulations for this expansion project. However, the protection of the surrounding	National and Provincial	2008 and 2014

<p>The National Environmental Management: Waste Amendment Act (2014)</p> <p>National Norms and Standards for the Disposal of Waste to Landfill (23 August 2013, GG No. 36784 GN No. 636)</p>	<p>environment through efficient waste management is required throughout the lifecycle of the project:</p> <ul style="list-style-type: none"> • By the appointed Contractor during the construction phase; and • By the Applicant during the operational phase. <p>In addition, the Applicant must ensure that any infectious abattoir waste is separated from non-infectious abattoir waste and disposed of in accordance with the relevant regulatory requirements.</p> <p>Waste is evaluated in terms of the Norms and Standards for the Assessment of Waste for Landfill Disposal set in terms of Section 7(1) of the NEM: WA. According to Section 4 (2) (iii): non-infectious animal carcasses may only be disposed of at a Class B waste disposal facility or at one designed in accordance with the requirements for a G:L:B+ waste disposal facility, as specified in the Department of Water Affairs and Forestry (DWAF) Minimum Requirements for Waste Disposal by Landfill (2nd Edition, 1998).</p> <p>Section 5 (1) u: indicates that infectious animal carcasses and animal waste are prohibited and/or restricted from landfills with immediate effect, implying that treatment is needed before disposal at Class B.</p>		
<p>National Heritage Resources Act, 1999 (Act No.25 of 1999).</p>	<p>Protection of heritage resources surrounding the study area and those potentially uncovered during the development phase by reporting to the nearest heritage authority.</p> <p>APelser Archaeological Consulting cc was appointed to conduct a desktop assessment for proposed expansion of the existing Excelsior Abattoir. The assessment concluded a short report motivating for exemption from conducting a Full Phase 1 Heritage Impact Assessment. The report has been</p>	<p>National and Provincial</p>	<p>1999</p>

BASIC ASSESSMENT REPORT

	<p>submitted to SAHRA for their review and comments/approval.</p> <p>Dr H. Fourie was appointed to conduct a desktop Paleontological Impact Assessment for the proposed expansion of the existing Excelsior Abattoir. The impact of the development on the fossil heritage is HIGH. A Phase 1 Palaeontological Impact Assessment: Field Study is recommended if fossils are found during excavating, drilling, clearing or digging (according to SAHRA protocol). The report has been submitted to SAHRA for their review and comments/approval.</p>		
<p>The National Water Act,1998 (NWA)(Act No. 36 of 1998).</p>	<p>The proposed expansion and associated operations do not currently require any licenses/authorisation in terms of NWA.</p> <p>However, the protection of water resources throughout the lifecycle of the project remains important and appropriate measures are included in the EMPr as required.</p> <p>* Wastewater generated at the abattoir is sent to the local municipal wastewater treatment facility. During a period where this was not possible, as the municipality had shut off the connecting drain from the abattoir, the applicant was forced to construct a wastewater reservoir for the storage of the abattoir wastewater. The applicant confirmed that the Municipality has since re-opened the drain and abattoir wastewater is being sent to the municipality for treatment again. The reservoir is no longer used for wastewater storage and can now be used for clean water storage (municipal water supply).</p>	<p>National and Provincial</p>	<p>1998</p>

BASIC ASSESSMENT REPORT

<p>National Environmental Management: Air Quality Act, 2004 (NEM:AQA) (Act No. 39 of 2004).</p>	<p>There are no listed activities in terms of the NEM:AQA and its Regulations for this expansion project. However, the protection of the ambient air quality remains important throughout the lifecycle of the project, specifically dust control to be implemented by the appointed Contractor during the construction phase.</p> <p>NEM: AQA, Section 35(2) also imposes an obligation on the occupier of any premises to take all reasonable steps to prevent the emission of any offensive odour caused by any activity on such premises. 'Offensive odour' means any smell which is considered to be malodorous or a nuisance to a reasonable person. The prevention of odours remains important throughout the lifecycle of the project.</p>	<p>National and Provincial</p>	<p>2004</p>
<p>The National Environmental Management: Biodiversity Act, 2004 (NEM:BA) (Act No. 10 of 2004)</p>	<p>The site is partially situated within a Terrestrial Critical Biodiversity Area 2 according to the Screening Tool Report. The areas for the proposed expansion of the abattoir are, however, mostly not within the CBA (or an ESA), as confirmed in terms of the Northern Cape Critical Biodiversity Areas 2016. The entire site is also in a transformed state (no natural vegetation remaining). However, biodiversity conservation remains important throughout the lifecycle of the project and appropriate measures are included in the EMP as required.</p>	<p>National and Provincial</p>	<p>2004</p>
<p>The National Environmental Management: Protected Areas Act, 2003 (NEM:PAA) (Act No. 53 of 2003)</p>	<p>The project site is not situated within a Protected Area, nor is it in close proximity to a Protected Area. However, the legislation was consulted by the EAP as required.</p>	<p>National and Provincial</p>	<p>2003</p>
<p>Conservation of Agricultural Resource Act, 1983 (Act No. 43 of 1983) .</p>	<p>The proposed expansion is not related to any cultivation of virgin soil, cultivated land, veld (for grazing by livestock), or the restoration and reclamation of eroded, disturbed or denudated land. As the abattoir is considered an agricultural activity, the applicant must take cognizance</p>	<p>National and Provincial</p>	<p>1983</p>

BASIC ASSESSMENT REPORT

	of the requirements of the Conservation of Agricultural Resource Act.		
Meat Safety Act, 2000 (Act No. 40 of 2000).	<p>This act establishes and maintains essential national standards in respect of abattoirs. The Applicant shall ensure that all operations are undertaken in terms of the specific requirements.</p> <p>Section 11 Essential National Standards applies to all abattoirs as follows:</p> <p>(1) (i) “no dead animal or animal suffering from a condition that may render the meat unsafe for human and animal consumption may be presented at an abattoir”</p> <p>(r) “the treatment, removal or disposal of condemned material, effluent, refuse and emissions must be carried out in accordance with the prescribed (prescribed by regulation) procedures”</p>	National and Provincial	2000
Red Meat Regulations, No. 1072, 17 September 2004	<p>These Regulations provide guidelines for the abattoir industry on how to meet food safety standards. The Applicant shall ensure that all operations are undertaken in terms of the specific requirements.</p> <p>Part VIII describes the process of treating condemned material. Section 119 deals specifically with the disposal of condemned material as follows:</p> <p>119. Any condemned material must be disposed of by –</p> <p>a) total incineration;</p> <p>b) denaturing and burial of condemned material at a secure site, approved by the provincial executive officer and local government, by –</p> <ol style="list-style-type: none"> 1. slashing and then spraying with, or immersion in, an obnoxious colorant approved for the purpose; and 2. burial and immediate covering to a depth of at least 60 cm and not less than 100m from the abattoir, providing such material may not deleteriously 	National and Provincial	2004

BASIC ASSESSMENT REPORT

	affect the hygiene of the abattoir; or c) processing at a registered sterilizing plant		
Animal Diseases Act, 1984 (Act no. 35 of 1984)	Provides for the control of animal diseases and parasites, for measures to promote animal health and for matters connected with this. It also regulates disposal of straying and diseased animals and animal carcasses. The Applicant shall ensure that all operations are undertaken in terms of the specific requirements.	National and Provincial	1984
Hazardous Substances Act, 1973 (Act No. 15 of 1973)	This Act provides for the control of substances which may cause injury or ill-health to or death of human beings by reason of their toxic, corrosive, irritant, strongly sensitizing or flammable nature or the generation of pressure thereby in certain circumstances, and for the control of certain electronic products. The Applicant shall ensure that all operations are undertaken in terms of the specific requirements.	National and Provincial	1973
Occupational Health and Safety Act, 1993 (OHSA, Act No. 85 of 1993)	Protects the health and safety of workers, including against hazards to health and safety. The Applicant shall ensure that all operations are undertaken in terms of the specific requirements.	National and Provincial	1993
Protection of Personal Information Act (POPIA, Act No. 14 of 2013)	This Act sets out the minimum standards regarding accessing and 'processing' of any personal information belonging to another. The Basic Assessment- and public participation processes shall at all times adhere to the requirements of POPIA.	National	2013
Guideline Manual for the Management of Abattoirs and other Waste of Animal Origin, 2009 (GDARD, 2009)	This guideline was consulted as required. The guideline provides insight into the operations and management of Abattoir Waste Management Facilities.	Provincial	2009
National Development Plan (2030)	This Plan was consulted during the Need and Desirability Assessment for this project.	National	2030
Ga-Segonyana Local Municipality IDP (2022-2023)	This Plan was consulted during the Need and Desirability Assessment for this project.	Provincial and Local	2022

National Building Regulations and Building Standards Act, 1977 (Act No. 103 of 1977)	Regulates, in part, the accumulation of building waste on a construction site and prescribes requirements for waste-related services, such as sewage disposal. The Applicant must ensure compliance these regulations as required.	National and Provincial	1977
Guideline to the Management of Abattoir Waste (DEA&DP, 2015)	This guideline provides the necessary guidance to ensure compliance with the legislation while also providing the various options available for the management of this waste type that ensures the protection of the environment and human health. This guideline was consulted in the drafting of the EMPr.	Provincial	2015

12. WASTE, EFFLUENT, EMISSION AND NOISE MANAGEMENT

a) Solid waste management

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

YES X	NO
1m ³	

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

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

A limited quantity of construction waste will be generated as a result of the construction activities associated with the proposed expansion. Management and mitigation measures includes that the solid waste from construction will be stored in a demarcated area on site. All waste will be disposed of at an adequately licensed landfill site with proof of safe disposal records to be kept. Waste recycling during the construction phase will be promoted insofar possible as to minimise the waste disposed of to landfill.

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

All waste will be disposed of at adequately licensed landfill site with proof of safe disposal records to be kept. Waste recycling during the construction phase will be promoted insofar possible as to minimise the waste disposed of to landfill.

Will the activity produce solid waste during its operational phase?

YES X	NO
Approx. 140m ³	

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

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

BASIC ASSESSMENT REPORT

Waste	Classification	Volume per day (estimated)	Volume per month (estimated)	Treatment and disposal measure
Domestic Waste	General	Minor	1m ³	Municipal weekly removal by the Ga-Segonyana Local Municipality.
Non-infectious condemned waste (operational/ processing waste)	General	1.5m ³	33m ³	Sent to a predator (lion) facility for feeding supplies on bi-weekly basis.
Infectious condemned waste (from operations)	Hazardous	As and when – cannot be confirmed	As and when – cannot be confirmed	On-site treatment through the cooking of the condemned waste in a stainless steel tank (paraffin fired) wherein disinfection of the waste takes place. This process limits the growth of psychotropic, mesophilic and thermoduric bacteria. Residue (if any) post sterilization will be disposed of in accordance with regulatory requirements.
Blood	General	2m ³	40m ³	Composting facility (off-site)
Manure	General	3m ³	66m ³	Composting facility (off-site)

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

Domestic waste disposal to the Ga-Segonyana Local Municipality Landfill Site.

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

Waste	Classification	Volume per day (estimated)	Volume per month (estimated)	Treatment and disposal measure
Domestic Waste	General	Minor	1m ³	Municipal weekly removal by the Ga-Segonyana Local Municipality.
Non-infectious condemned waste (operational/ processing waste)	General	1.5m ³	33m ³	Sent to a predator (lion) facility for feeding supplies on bi-weekly basis.
Infectious condemned waste (from operations)	Hazardous	As and when – cannot be confirmed	As and when – cannot be confirmed	On-site treatment through the cooking of the condemned waste in a stainless steel tank (paraffin fired) wherein disinfection of the waste takes place. This process limits the growth of psychotropic, mesophilic and thermoduric bacteria. Residue (if any) post sterilization will be disposed of in accordance with regulatory requirements.
Blood	General	2m ³	40m ³	Composting facility (off-site)
Manure	General	3m ³	66m ³	Composting facility (off-site)

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.

NOT APPLICABLE – The abattoir does not trigger any listed activities in terms of Listing Notice 2 of the EIA Regulations, 2014, as amended, or any Waste Management Licence listed activities in terms of GN 921 of 2013, as amended.

Can any part of the solid waste be classified as hazardous in terms of the NEM:WA? YES NO X

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.

NOT APPLICABLE – The abattoir does not trigger any listed activities in terms of Listing Notice 2 of the EIA Regulations, 2014, as amended, or any Waste Management Licence listed activities in terms of GN 921 of 2013, as amended. Condemned material from diseased animals (infectious waste) would be considered a hazardous waste. This is not a normal occurrence, and such waste would be disposed/managed according to best practice standards and legal requirements for such waste, should infectious waste be generated at the abattoir. This would only be during an emergency situation and is not foreseen.

Is the activity that is being applied for a solid waste handling or treatment facility? YES NO X

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. **NOT APPLICABLE**

b) Liquid effluent

Will the activity produce effluent, other than normal sewage, that will be disposed of in a municipal sewage system? **Abattoir wastewater, including wash water and sewage**

YES X	NO
1 125m ³	
YES	NO X

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

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

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.

*** Wastewater generated at the abattoir is sent to the local municipal wastewater treatment facility. During a period where this was not possible, as the municipality had shut off the connecting drain from the abattoir, the applicant was forced to construct a wastewater reservoir for the storage of the abattoir wastewater. The applicant confirmed that the Municipality has since re-opened the drain and abattoir wastewater is being sent to the municipality for treatment again. The reservoir is no longer used for wastewater storage and can now be used for clean water storage (municipal water supply).**

Will the activity produce effluent that will be treated and/or disposed of at another facility? **Effluent (blood) from the slaughtering process** YES X NO X

If YES, provide the particulars of the facility:

Facility name:	Morgenzon Boerdery		
Contact person:	Rianes de Klerk		
Postal address:	PO Box 1110 Kuruman		
Postal code:	8460		
Telephone:	053 555 0100	Cell:	083 285 1910
E-mail:	rianes@vodamail.co.za	Fax:	N/A

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

Blood is separated from the other effluent/wastewater streams and sent to a composting site. This makes the treatment of the abattoir effluent at the Kuruman Waste Water Treatment Works easier.

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 X
YES	NO

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

NOT APPLICABLE

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

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

N/A

d) Waste permit

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

YES	NO X
-----	-------------

If YES, please submit evidence that an application for a waste permit has been submitted to the competent authority **NOT APPLICABLE**

e) Generation of noise

Will the activity generate noise?

YES X	NO
YES	NO

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

Describe the noise in terms of type and level:

Minimal noise will be generated during the construction phase. It is anticipated that the noise levels will not be a nuisance to nearby properties.

13. WATER USE

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

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

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

N/A	
YES	NO X

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.

Total monthly water requirement to be received from municipal supply will be: 50 000L/day for operations.

14. ENERGY EFFICIENCY

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

Greener, more energy efficient technologies will be considered for the chiller rooms and refrigeration infrastructure and overall abattoir operations:

- **Gas to be used in cooling and refrigeration will be ozone friendly**
- **Overall reduced electricity usage between 15-25% compared to older technologies**
- **Possible heat recovery from condensers for internal usage**
- **Plant management and monitoring system for internal optimization**

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

A solar PV system has been installed on the roof of the abattoir.

SECTION B: SITE/AREA/PROPERTY DESCRIPTION

Important notes:

- 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): A

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

- 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 each specialist thus appointed and attach it in Appendix I. All specialist reports must be contained in Appendix D.

Property description/physical address:

Province	Northern Cape
District Municipality	John Taolo Gaetsewe District Municipality
Local Municipality	Ga-Segonyana Local Municipality
Ward Number(s)	1
Farm name and number	Erf 4051 and 4052, Kuruman
Portion number	NOT APPLICABLE
SG Code	C04100030000405100000; C04100030000405200000

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. **NOT APPLICABLE**

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

Light Industrial

In instances where there is more than one current land-use zoning, please attach a list of current land use zonings that also indicate which portions each use pertains to, to this application. **NOT APPLICABLE**

Is a change of land-use or a consent use application required? YES NO X

1. GRADIENT OF THE SITE

Indicate the general gradient of the site.

Alternative S1:

Flat X	1:50 – 1:20	1:20 – 1:15	1:15 – 1:10	1:10 – 1:7,5	1:7,5 – 1:5	Steeper than 1:5
---------------	-------------	-------------	-------------	--------------	-------------	------------------

Alternative S2 (if any): NOT APPLICABLE

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): NOT APPLICABLE

Flat	1:50 – 1:20	1:20 – 1:15	1:15 – 1:10	1:10 – 1:7,5	1:7,5 – 1:5	Steeper than 1:5
------	-------------	-------------	-------------	--------------	-------------	------------------

2. LOCATION IN LANDSCAPE

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

2.1 Ridgeline	<input type="checkbox"/>	2.4 Closed valley	<input type="checkbox"/>	2.7 Undulating plain / low hills	<input type="checkbox"/>
2.2 Plateau	<input type="checkbox"/>	2.5 Open valley	<input checked="" 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

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

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

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

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

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

5. SURFACE WATER

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

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

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

NOT APPLICABLE

6. LAND USE CHARACTER OF SURROUNDING AREA

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

Natural area	Dam or reservoir X	Polo fields
Low density residential X	Hospital/medical centre	Filling station^H X <i>JBM Dhlamini Diesel Depot</i>
Medium density residential	School	Landfill or waste treatment site
High density residential	Tertiary education facility	Plantation
Informal residential X	Church	Agriculture X
Retail commercial & warehousing X	Old age home	River, stream or wetland X
Light industrial X	Sewage treatment plant ^A	Nature conservation area

BASIC ASSESSMENT REPORT

Medium industrial ^{AN}	Train station or shunting yard ^N	Mountain, Koppie or ridge X
Heavy industrial ^{AN}	Railway line ^N	Museum
Power station	Major road (4 lanes or more) ^N	Historical building
Office/consulting room	Airport ^N	Protected Area
Military or police base/station/compound	Harbour	Graveyard
Spoil heap or slimes dam ^A	Sport facilities	Archaeological site
Quarry, sand or borrow pit	Golf course	Other land uses (describe) X Lodge and Recreational Park

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

NOT APPLICABLE

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:

NOT APPLICABLE

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:

The proposed expansion activities will result in a minor increase of traffic to and from the abattoir. An additional 2 trucks per day is expected to travel past the diesel depot (JBM Dhlamini Diesel Depot) to the site. The maximum additional trucks per day to and from the abattoir will be 5 and is therefore not expected to have any significant impact on the depot or surrounding community.

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

Critical Biodiversity Area (as per provincial conservation plan) The site is partially situated within a Terrestrial Critical Biodiversity Area 2 according to the Screening Tool Report. The areas for the proposed expansion of the abattoir are, however, mostly not within the CBA (or an ESA), as confirmed in terms of the Northern Cape Critical Biodiversity Areas 2016. The entire site is also in a transformed state (no natural vegetation remaining). Refer to Appendix 2 for the site photos confirming the transformed nature of the site.	YES X	NO
Core area of a protected area?	YES	NO X
Buffer area of a protected area?	YES	NO X
Planned expansion area of an existing protected area?	YES	NO X
Existing offset area associated with a previous Environmental Authorisation?	YES	NO X
Buffer area of the SKA?	YES	NO X

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

7. CULTURAL/HISTORICAL FEATURES

Are there any signs of culturally or historically significant elements, as defined in section 2 of the National Heritage Resources Act, 1999, (Act No. 25 of 1999), including Archaeological or paleontological sites, on or close (within 20m) to the site? If YES, explain:

YES	NO X
Uncertain	

N/A

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

HERITAGE:

APelser Archaeological Consulting cc was appointed to conduct a desktop heritage impact assessment for the proposed expansion of the existing Excelsior Abattoir. The assessment concluded a short report motivating for exemption from conducting a Full Phase 1 Heritage Impact Assessment (refer to Appendix D). The report has been submitted to SAHRA for their review and comments/approval.

The main findings of the specialist include:

- The specific area itself would have been heavily disturbed in the recent past, mainly through agricultural activities (livestock) and the development of the existing Excelsior Abattoir. The original natural and historical landscape in the abattoir area has been completely altered through these activities, and as a result if any cultural heritage (archaeological and/or historical) sites or features that existed here in the past would have been fairly extensively disturbed or even destroyed. The topography of the study area is also flat and open, with no rocky outcrops, ridges or hills present;
- No Stone Age sites or material are known to exist in the specific study area. It is envisaged that if any are to be found there it would be single out of context artefacts, or small scatters of material, on the surface of the area;
- Based on all the evidence obtained during the desktop study and the information provided, it is therefore recommended that Exemption from undertaking a full Phase I Heritage Impact Assessment for the proposed Expansion of the existing Excelsior Abattoir be granted to the Applicant; and
- The subterranean nature of cultural heritage (archaeological and/or historical) resources must always be kept in mind. Should any previously unknown or invisible sites, features or material be uncovered during any development actions then an expert should be contacted to investigate and provide recommendations on the way forward. This could include previously unknown and unmarked graves and/or cemeteries.

PALEONTOLOGICAL:

Dr H. Fourie was appointed to conduct a desktop Paleontological Impact Assessment for proposed expansion of the existing Excelsior Abattoir (refer to Appendix D). The report has been submitted to SAHRA for their review and comments/approval.

The main findings of the specialist include:

- The development will take place on the Kogelbeen Formation;
- Almond and Pether (2009) referred to this as the Griqualand Basin within the Transvaal Supergroup. The most recent classification was done in 2006 (Eriksson *et al.*) with the Ghaap Group (Schmidtsdrif Subgroup, Campbell Rand Subgroup, Koegas and Asbestos Hills Subgroups) at the bottom underlain by the Vryburg Formation; overlain by the Postmasburg Group (Makganyene, Ongeluk, Hotazel, Mooidraai Formations). The Kogelbeen Formation, Campbell Rand Subgroup is at least 445 m thick with the Lyme Acers Member at the top containing economically important limestone deposits (Eriksson *et al.*, 2006);
- Foundations are not going to be excavated for this project as they are building on hard rock;
- The possible impact on the fossil heritage is HIGH. A Phase 1 Palaeontological Impact Assessment: Field Study is recommended if fossils are found during excavating, drilling, clearing or digging (according to SAHRA protocol);
- Mitigation is needed if fossils are found and relevant approval from SAHRA;
- All the land involved in the development was assessed and none of the property is unsuitable for development;
- The development is recommended to proceed. The ECO should survey the excavations for fossils and follow SAHRA protocol; and
- The EMPr should cover the conservation of heritage and palaeontological material that may be exposed during construction activities. The protocol is to immediately cease all construction

activities if a fossil is unearthed, construct a 30 m no-go barrier, and contact SAHRA for further investigation.

Will any building or structure older than 60 years be affected in any way? **The abattoir was built in the 1980s and is therefore less than 60 years old**

YES	NO X
-----	-------------

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

YES	NO X
-----	-------------

If YES, please provide proof that this permit application has been submitted to SAHRA or the relevant provincial authority. **NOT APPLICABLE**

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:

- **2011 Unemployment Rate (official): 33.7%**
- **2011 Youth Unemployment Rate (official) 15-34 years: 43.2%**

Economic profile of local municipality:

The municipality's economy is mainly based on the surrounding mining and agricultural activities.

Level of education:

- Education (aged 20+):**
- **2011 No Schooling: 9.7%**
 - **2011 Matric: 24.0%**
 - **2011 Higher Education: 9.5%**

b) Socio-economic value of the activity

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

R 5 500 000-00

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

R 8 400 000-00

Will the activity contribute to service infrastructure?

X YES	NO
--------------	----

Is the activity a public amenity?

YES	X NO
-----	-------------

How many new employment opportunities will be created in the development and construction phase of the activity/ies?

30 contractors

What is the expected value of the employment opportunities during the development and construction phase?

**Construction:
Contractors' fees
(unknown)
Operational:
R100 000-00
per month**

What percentage of this will accrue to previously disadvantaged individuals?

75%

How many permanent new employment opportunities will be created during the operational phase of the activity?

15-20

What is the expected current value of the employment opportunities during the first 10 years?

R 13 000 000-00

What percentage of this will accrue to previously disadvantaged individuals?

75%

9. BIODIVERSITY

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

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

Systematic Biodiversity Planning Category				If CBA or ESA, indicate the reason(s) for its selection in biodiversity plan
Critical Biodiversity Area (CBA) CBA 2	Ecological Support Area (ESA)	Other Natural Area (ONA)	No Natural Area Remaining (NNR)	Required for the persistence of a viable representative sample of all ecosystem types and species as well as the long-term ecological functioning of the landscape as a whole.
				CBA2: These are areas that have been selected as the best option for meeting biodiversity targets, based on complementarity, efficiency, connectivity and/or avoidance of conflict with other land or resources uses.

b) Indicate and describe the habitat condition on site

Habitat Condition	Percentage of habitat condition class (adding up to 100%)	Description and additional Comments and Observations (including additional insight into condition, e.g. poor land management practises, presence of quarries, grazing, harvesting regimes etc).
Natural	%	0
Near Natural (includes areas with low to moderate level of alien invasive plants)	%	0
Degraded (includes areas heavily invaded by alien plants)	%	2
Transformed (includes cultivation, dams, urban, plantation, roads, etc)	%	98

c) Complete the table to indicate:

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

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

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)

Note the site is completely transformed and developed. However, in terms of classification, the site falls within the Savanna biome and the vegetation found in the area is classified as Kuruman Thornveld. The vegetation, landscape and conservation status features of Kuruman Thornveld includes:

- Flat rocky plains and some sloping hills with a very well-developed, closed shrub layer and well-developed open tree stratum consisting of *Acacia erioloba*; and
- Least threatened. Target 16%. None conserved in statutory conservation areas. Erosion is very low (*Mucina & Rutherford, 2006*).

SECTION C: PUBLIC PARTICIPATION

1. ADVERTISEMENT AND NOTICE

Publication name	Kathu Gazette Local Newspaper (English and Setswana)	
Date published	20 May 2023	
Site notice position	Latitude	Longitude
Excelsior Site	27°28'29.15"S	23°26'37.60"E
Corner of Hobson and Voortrekker Street - Kuruman Traffic Department fence	27°28'15.25"S	23°26'17.71"E
Kuruman Local Library (Number 4 Corner School Street, Kuruman)	27°27'39.56"S	23°25'57.91"E
Date placed	16 May 2023	

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 733.

Key stakeholders (other than organs of state) identified in terms of Regulation 41(2)(b) of GN 733

Title, Name and Surname	Affiliation/ key stakeholder status	Contact details (tel number or e-mail address)
Mr. Braam Van Der Westhuizen	Ga-Segonyana Local Municipality Ward Councillor – Ward 1	Not included due to the POPIA
Unknown owner	Erf 3407, Kuruman (land owner in close proximity to the site)	Not included due to the POPIA
Not included due to the POPIA	Erf 6280, Kuruman (land owner in close proximity to the site)	Not included due to the POPIA
Not included due to the POPIA	Erf 3934, Kuruman (land owner in close proximity to the site)	Not included due to the POPIA
Kuruman Animal Welfare Society	Erf 6753, Kuruman (land owner in close proximity to the site)	Not included due to the POPIA
Ga-Segonyana Local Municipality	Erf 5375 & 3626 Kuruman (land owner in close proximity to the site)	Not included due to the POPIA

Not included due to the POPIA	Erf 3900, Kuruman (land owner in close proximity to the site)	Not included due to the POPIA
Not included due to the POPIA	Erf 3050, Kuruman (land owner in close proximity to the site)	Not included due to the POPIA
Not included due to the POPIA	Erf 4062, Kuruman (land owner in close proximity to the site)	Not included due to the POPIA
Not included due to the POPIA	Erf 3935, Kuruman (land owner in close proximity to the site)	Not included due to the POPIA
Not included due to the POPIA	Erf 2010, Kuruman (land owner in close proximity to the site)	Not included due to the POPIA
Unknown owner	Erf 6279, Kuruman (land owner in close proximity to the site)	Not included due to the POPIA

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

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

3. ISSUES RAISED BY INTERESTED AND AFFECTED PARTIES

Summary of main issues raised by I&APs	Summary of response from EAP
To date, no comments/ issues raised to date by I&APs.	All comments and responses will be recorded in the Comments and Responses Register and attached to the Final BAR (Appendix E3).

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. **REFER TO 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	E-mail	Postal address
Northern Cape Department of Agriculture, Environmental Affairs, Rural Development and Land Reform	Gail Letimela	Not included due to the POPIA	Not included due to the POPIA	Private Bag X6102, Kimberly, 8301
John Taolo Gaetsewe District Municipality	Leandra Neels	Not included due to the POPIA	Not included due to the POPIA	P.O. Box 37, Kuruman, 8460
Ga-Segonyana Local Municipality Environmental / Infrastructure Services	Hendrik Smit	Not included due to the POPIA	Not included due to the POPIA	Private Bag X1522, Kuruman, 8460
Ga-Segonyana Local Municipality Ward Councillor – Ward 1	Braam Van Der Westhuizen	Not included due to the POPIA	Not included due to the POPIA	Private Bag X1522, Kuruman, 8460
Ga-Segonyana Local Municipality - Municipal Manager	Martin Tsatsimpe	Not included due to the POPIA	Not included due to the POPIA	Private Bag X1522, Kuruman, 8460
Department of Water and Sanitation (DWS) - D41L Quaternary Catchment	L. Mokhoantle and K. Moalosi	Not included due to the POPIA	Not included due to the POPIA	28 Central Road, Beaconsfield, Kimberley, 8301
South African Heritage Resources Agency	Natasha Higgitt (Case Officer, Case ID 21372)	Not included due to the POPIA	Not included due to the POPIA	PO Box 4637, Cape Town, 8000
Northern Cape Department of Co-operative Governance, Human	HOD: Mr. BS. Lenkoe	Not included due to the POPIA	Not included due to the POPIA	Private Bag X5005, Kimberley, 8300

BASIC ASSESSMENT REPORT

Settlement and Traditional Affairs				
Northern Cape Department of Co-operative Governance, Human Settlement and Traditional Affairs - John Taolo Gaetsewe Region	Acting Regional Manager: Mr. M. Mmusiyane	Not included due to the POPIA	Not included due to the POPIA	Private Bag X5005, Kimberley, 8300
Northern Cape Department of Economic Development and Tourism	Office of the HOD: Ms. Ursula Ngomane	Not included due to the POPIA	Not included due to the POPIA	PO Box 3132, Kimberly, 8300
Northern Cape Department of Roads and Public Works	Office of the HOD: Dr Johnny Mac Kay	Not included due to the POPIA	Not included due to the POPIA	PO Box 3132, Kimberley, 8300
Northern Cape Department of Health	Office of the HOD: Mr S Jonkers	Not included due to the POPIA	Not included due to the POPIA	Private Bag X5049, Kimberley, 8300
Northern Cape Department of Social Development	Acting HOD: Ms Ichabod Manyane	Not included due to the POPIA	Not included due to the POPIA	Private Bag X5042, Kimberley, 8300
Northern Cape Department of Transport, Safety and Liaison	HOD: Mr Rodney Pieterse	Not included due to the POPIA	Not included due to the POPIA	Private Bag X1368, Kimberley, 8300
South African Civil Aviation Authority (SACAA)	Evelyn Shogole	Not included due to the POPIA	Not included due to the POPIA	Private Bag X73, Halfway House, 1685
South African Civil Aviation Authority (SACAA) - Aerodromes and Facilities	Nelson Nkabiti	Not included due to the POPIA	Not included due to the POPIA	Private Bag X73, Halfway House, 1685
South African Civil Aviation Authority	Sandile Maphanga	Not included due to the POPIA	Not included due to the POPIA	Private Bag X73, Halfway House, 1685

(SACAA) - Air Navigation Services				
South African Civil Aviation Authority (SACAA) – Obstacle Applications	TBC	Not included due to the POPIA	Not included due to the POPIA	Private Bag X73, Halfway House, 1685
South African Civil Aviation Authority	Mfaneni Zulu	Not included due to the POPIA	Not included due to the POPIA	Private Bag X73, Halfway House, 1685
Department of Mineral Resources and Energy	Vincent Muila (Head of Environmental Division)	Not included due to the POPIA	Not included due to the POPIA	41 Schmidtsdrift street, Telkom Building, Kimberley, 8300

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. **NOT APPLICABLE**

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. **NOT APPLICABLE**

SECTION D: IMPACT ASSESSMENT

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

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

Provide a summary and anticipated significance of the potential direct, indirect and cumulative impacts that are likely to occur as a result of the planning and design phase, construction phase, operational phase, decommissioning and closure phase, including impacts relating to the choice of site/activity/technology alternatives as well as the mitigation measures that may eliminate or reduce the potential impacts listed. This impact assessment must be applied to all the identified alternatives to the activities identified in Section A(2) of this report.

Activity	Impact summary	Significance	Proposed mitigation
Alternative 1 (preferred alternative)			
Direct impacts:	Construction: • Soil Soil pollution (diesel, oil etc.) and compaction.	(Low -)	Refer to EMPr in Appendix G.
	Construction: • Soil Soil erosion and sedimentation.	(Low -)	Refer to EMPr in Appendix G.
	Construction: • Biodiversity - Fauna Accidental disturbance of small fauna such as snakes, lizards, frogs etc.	(Low -)	Refer to EMPr in Appendix G.
	Construction: • Socio-economic Job opportunities for local community.	(Medium +)	Refer to EMPr in Appendix G.
	Construction: • Health and safety Unsafe working conditions leading to worker health and safety risks.	(Low -)	Refer to EMPr in Appendix G.
	Construction: • Ground and surface water Ground and surface water pollution through accidental spills and leaks from any equipment as well as the improper storage of fuels and chemicals, inadequate hazardous waste disposal or the mixing of cement / concrete.	(Medium -)	Refer to EMPr in Appendix G.
	Construction:	(Medium -)	Refer to EMPr in Appendix G.

BASIC ASSESSMENT REPORT

Activity	Impact summary	Significance	Proposed mitigation
	<ul style="list-style-type: none"> • Ground and surface water <p>Stormwater pollution through accidental spills and leaks from any equipment as well as the improper storage of fuels and chemicals, inadequate hazardous waste disposal or the mixing of cement / concrete.</p>		
	<p>Construction:</p> <ul style="list-style-type: none"> • Paleontological resources <p>Impact on fossils during excavating, drilling, clearing or digging activities.</p>	(Low -) *Rating as per specialists	Refer to EMPr in Appendix G.
	<p>Construction:</p> <ul style="list-style-type: none"> • Heritage resources <p>Impact on archaeological and heritage resources during excavating, drilling, clearing or digging activities.</p>	(Low -)	Refer to EMPr in Appendix G.
	<p>Construction:</p> <ul style="list-style-type: none"> • Waste <p>Incorrect storage, handling and disposal of general and hazardous waste generated.</p>	(Medium -)	Refer to EMPr in Appendix G.
	<p>Construction:</p> <ul style="list-style-type: none"> • Traffic <p>Temporary increase in traffic levels during the site preparation and construction activities.</p>	(Medium -)	Refer to EMPr in Appendix G.
	<p>Construction:</p> <ul style="list-style-type: none"> • Air Quality – Dust <p>Dust pollution and nuisance to workers and community.</p>	(Low -)	Refer to EMPr in Appendix G.
	<p>Construction:</p> <ul style="list-style-type: none"> • Air Quality – Noise <p>Temporary increase in noise levels during the site preparation and construction activities.</p>	(Low -)	Refer to EMPr in Appendix G.
	<p>Operational:</p> <ul style="list-style-type: none"> • Waste <p>The improper disposal of the respective abattoir wastes generated.</p>	(Medium -)	Refer to EMPr in Appendix G.
	<p>Operational:</p> <ul style="list-style-type: none"> • Traffic <p>Minor increase in traffic due to operations – trucks to and from the site</p>	(Medium-)	Refer to EMPr in Appendix G.
	<p>Operational:</p> <ul style="list-style-type: none"> • Air Quality – Odour 	(Medium -)	Refer to EMPr in Appendix G.

BASIC ASSESSMENT REPORT

Activity	Impact summary	Significance	Proposed mitigation
	Unwanted odours emanating from abattoir could include odours from urine and manure in holding pens, blood residues and hide storage.		
	Operational: <ul style="list-style-type: none"> Socio-economic Job opportunities for local community.	(High +)	N/A
	Operational: <ul style="list-style-type: none"> Socio-economic Business growth of cattle farmers as a result of access to the market (off-set).	(High +)	N/A
	Operational: <ul style="list-style-type: none"> Health and Safety (Low -) Unhygienic working conditions at the abattoir leading to worker health and safety risks.	(Medium -)	Refer to EMPr in Appendix G.
	Indirect impacts:	N/A	N/A
	Cumulative impacts: No cumulative impacts have been identified for the proposed project.	N/A	N/A
Alternative 2 – N/A			
Alternative 3 – N/A			
No-go Option			
	Direct impacts:	(High -)	N/A
	Operational: <ul style="list-style-type: none"> Socio-economic Loss of job opportunities for local community during construction and operations.		
	Indirect impacts:	(High -)	N/A
	Operational: <ul style="list-style-type: none"> Socio-economic Loss of business growth of cattle farmers as a result of access to the market (off-set).		
	Cumulative impacts: No cumulative impacts have been identified for the proposed project.	N/A	N/A

A complete impact assessment in terms of Regulation 19(3) of GN 733 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 A (preferred alternative)

Construction

- Soil (Low -)
- Fauna (Low -)
- Socio-economic (Medium +)
- Health and safety (Low -)
- Ground and surface water (Low -)
- Paleontological resources (Low -)
- Heritage resources (Low -)
- Waste (Low -)
- Traffic (Low -)
- Air Quality – Dust (Low -)
- Noise (Low -)

Operational:

- Waste (Low -)
- Traffic (Low -)
- Air Quality – Odour (Low -)
- Socio-economic (High +)
- Health and Safety (Low -)

Alternative B

N/A

Alternative C

N/A

No-go alternative (compulsory)

- Socio Economic (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 X	NO
-------	----

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

NOT APPLICABLE

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.

Based on the findings of the independent specialist reviews, the impact assessment and taking into account the successful EMPr, it is reasoned by the EAP that this Environmental Authorisation application should be granted. The proposed activity will not result in any significant negative environmental impacts and will positively contribute to the socio-economic livelihoods of the local community and adjacent farmers. The mitigation and management measures described in the EMPR (Appendix G) should strictly be adhered to during the construction and operational phases associated with the proposed expansion. A variety of mitigation measures have been identified that will serve to mitigate the scale, intensity, duration or significance of the impacts as identified. The proposed mitigatory measures, if implemented, will reduce the significance of the majority of the identified impacts to "low", and allow for the proposed project to precede with minimal impact to the environment, local community and surrounding land use practice.

Is an EMPr attached?

YES X	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.

Lizette Kloppers

NAME OF EAP



SIGNATURE OF EAP

15 June 2023

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