Draft Basic Assessment Report

for

AS ROUX ALGEMENE KONTRAKTEURS

Prepared by:

Bucandi Environmental Solutions

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ENVIRONMENTAL SOLUTIONS
Environmental concerns? Consider it solved!

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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:	

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 **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.

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

AS Roux Algemene Kontrakteurs is proposing the renovation of 4 existing poultry houses to expand capacity & addition of 2 new poultry houses to an existing facility to contain 6 environmentally controlled poultry houses.on Farm Oktawus 1434 situated in Bethlehem District within Dihlabeng Local Municipality. Each house will have the capacity for 42 000 broiler chicks per house. The need for a Basic Assessment is triggered by Listing 1; activities 28 & 40 in GN R327 dated 4 December 2014 and amended on 07 April 2017. The total area of the proposed project is 39 912.10m^2 (3.9ha). Both site alternatives are located on an area that was previously ploughed for agricultural fields and the establishment of planted pasture. The project will entail the following:

- Earthworks and clearing of vegetation (old fields) on the site the renovation of 4 existing poultry houses to expand capacity & addition of 2 new poultry houses
- The renovation of 4 existing poultry houses (110m x 13.5m) to expand capacity (146m x 13.5m) & the addition of 2 new poultry houses (130m X 15m) that will accommodate approximately 42 000 chickens each, totalling approximately 252 000 birds.
- The houses are state of the art broiler houses, with fully automated comprehensive climate control by means of water heating and nozzle cooling, and they are completely sealed off from the outer environment.

The site will be fenced off with a 1.8m electric fence.

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. 28) Residential, mixed, retail, commercial, industrial or institutional development where such land was used for agriculture, game farming, equestrian purposes or afforestation on or after 01 April 1998 and where such development (ii) will occur outside an urban area, where the total land to be developed is bigger than 1 hectare. (ACTIVITY NO. 40) The expansion and related operation of facilities for the concentration of poultry excluding chicks younger than 20 days,	The renovation of 4 existing poultry houses (110m x 13.5m) to expand capacity (146m x 13.5m) & the addition of 2 new poultry houses (130m X 15m) that will accommodate approximately 42 000 chickens each, totalling approximately 252 000 birds. The foot print of the proposed development will cover approximately 3.9ha.

where the capacity of the facility will be increased by (ii) more than 5 000 poultry per facility situated outside an urban area.	

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 entirely of existing planted pasture on ploughed fields and current infrastructure. The road connecting to N5 between Bethlehem (northwest and Kestell (east) runs directly next to the site with an existing farm road providing access to the site. Electricity & water supply will be connected	28°17'02.1"	28°24'08.54"

from the house on site. S1 is flat and the costs and impacts of earthworks before construction will be minimal. The site is located relatively high and stays dry year-round.		
Alternative 2		
Description	Lat (DDMMSS)	Long (DDMMSS)
.		
Alternative 3		
Description	Lat (DDMMSS)	Long (DDMMSS)

In the case of linear activities:

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

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

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

b) Lay-out alternatives

Alternative 1 (preferred alternative)		
Description	Lat (DDMMSS)	Long (DDMMSS)
The layout will entail the following: The renovation of 4 existing poultry houses (110m x 13.5m) to expand capacity (146m x 13.5m) & the addition of 2 new poultry houses (130m X 15m) that will accommodate approximately 42 000 chickens each, totalling approximately 252 000 birds. The entire site will cover an area of approximately 39 912.10m^2	28°17'02.31"	28°24'08.54"
Alternative 2		
Description	Lat (DDMMSS)	Long (DDMMSS)
The layout will entail the following: The renovation of 4 existing poultry houses (110m x 13.5m) to expand capacity (146m x	28°16'57.60"	28°24'03.40"

13.5m) & the addition of 2 new poultry houses (130m X 15m) that will accommodate approximately 42 000 chickens each, totalling approximately 252 000 birds. The entire site will cover an area of approximately 34 239.56m^2		
Alternative 3		
Description	Lat (DDMMSS)	Long (DDMMSS)

c) Technology alternatives

Alternative 1 (preferred alternative)
Four existing environmentally controlled poultry houses (110m x 13.5m) to expand capacity (146m x 13.5m) & the addition of 2 new environmentally controlled poultry houses (130m X 15m) that will accommodate approximately 42 000 chickens each, totalling approximately 252 000 birds. A water tank and a silo for food will be constructed next to each house with underground pipelines connecting the water tanks with the existing water supply. A 1.8m electric fence with an entry gate (with biosecurity control measures) will be constructed around the site. A biosecurity house will be erected containing an office as well as a bathroom and showers. Electricity lines will be connected to the water tanks and all the houses
Alternative 2
The site lay-out will be exactly as for A1, but the chicken houses will be open and not environmentally controlled. The differences between closed houses (A1) and open houses (A2) are as follows:

	A1 – Environmentally controlled	A2 – Open
Isolation value (R)	12	1.5
Heat capacity	1 100kW	1 500kW
Chickens/m^2	14	13
Energy saving	20%	0%

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

If the activity does not go ahead the site will continue to be used for planted pasture.

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:	**Size of the activity:**
Alternative A1[1] (preferred activity alternative)	39 912.10m^2
Alternative A2 (if any)	
Alternative A3 (if any)	m^2

or, for linear activities:

Alternative:	**Length of the activity:**
Alternative A1 (preferred activity alternative)	1 083 879.43m^2
Alternative A2 (if any)	
Alternative A3 (if any)	m

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

Alternative:	**Size of the site/servitude:**
Alternative A1 (preferred activity alternative)	m^2
Alternative A2 (if any)	m^2
Alternative A3 (if any)	m^2

4. SITE ACCESS

Site alternative 1 (Preferred site)

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		m

Describe the type of access road planned:

The road connecting to N5 between Bethlehem (northwest and Kestell (east) runs directly next to the site with an existing farm road providing access 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.

No go alternative

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		m

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

Describe the type of access road planned:

The road connecting to N5 between Bethlehem (northwest and Kestell (east) runs directly next to the site with an existing farm road providing access 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):

Activity alternative 1

1. Is the activity permitted in terms of the property's existing land use rights?	YES √	NO	Please explain
The property is currently zoned as agricultural allowing for agri-industrial infrastructure such as the proposed development.			
2. Will the activity be in line with the following?			
(a) Provincial Spatial Development Framework (PSDF)	YES √	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) Urban edge / Edge of Built environment for the area	YES √	NO	Please explain
The development will not compromise the urban edge of the edge of built environment			
(c) Integrated Development Plan (IDP) and Spatial Development Framework (SDF) of the Local Municipality (e.g. would the approval of this application compromise the integrity of the existing approved and credible municipal IDP and SDF?).	YES √	NO	Please explain
Approval of this application will not compromise the integrity of the existing IDP and SDF.			
(d) Approved Structure Plan of the Municipality	YES √	NO	Please explain
Building plans will be assessed and signed off by the Municipality			
(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?)	YES	NO √	Please explain
The proposed development falls entirely within Ecological Support Area – Level 2, but has been entirely transformed to agricultural fields.			
(f) Any other Plans (e.g. Guide Plan)	YES	NO √	Please explain
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)?	YES √	NO	Please explain
Building plans will be assessed and signed off by the Municipality			

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.)	YES √	NO	Please explain
Internationally production of poultry has increased significantly over the past few years in line with increased consumer demands for production of poultry 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 poultry products in Free State and nationally. At least 50 temporary employment opportunities will be created during the development and construction phase. At least 20 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.			
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 √	NO	Please explain
Electricity supply already exist on site.			
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 √	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 √	Please explain
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 √	NO	Please explain
The road connecting to N5 between Bethlehem (northwest and Kestell (east) runs directly next to the site with an existing farm road providing access to the site. Electricity & water supply will be connected from an existing house on site making onset cost for the construction more affordable.			

9. Is the development the best practicable environmental option for this land/site?	YES √	NO	Please explain
The site has been completely transformed and operation of a poultry facility at the site is a good option.			
10. Will the benefits of the proposed land use/development outweigh the negative impacts of it?	YES √	NO	Please explain
Internationally production of poultry has increased significantly over the past few years in line with increased consumer demands for production of poultry 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 poultry products in Free State and nationally. At least 50 temporary employment opportunities will be created during the development and construction phase. At least 20 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.			
11. Will the proposed land use/development set a precedent for similar activities in the area (local municipality)?	YES	NO √	Please explain
12. Will any person's rights be negatively affected by the proposed activity/ies?	YES	NO √	Please explain
13. Will the proposed activity/ies compromise the "urban edge" as defined by the local municipality?	YES	NO √	Please explain
14. Will the proposed activity/ies contribute to any of the 17 Strategic Integrated Projects (SIPS)?	YES	NO √	Please explain

15. What will the benefits be to society in general and to the local communities?	Please explain
Internationally production of poultry has increased significantly over the past few years in line with increased consumer demands for production of poultry 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 poultry products in Free State and nationally. At least 50 temporary employment opportunities will be created during the development and construction phase. At least 20 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.	
16. Any other need and desirability considerations related to the proposed activity?	Please explain
None	
17. How does the project fit into the National Development Plan for 2030?	Please explain
The project will contribute positively to the following categories identified in the NDP: Economy and employment Economic infrastructure Inclusive rural economy	
18. Please describe how the general objectives of Integrated Environmental Management as set out in section 23 of NEMA have been taken into account.	
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.	
19. Please describe how the principles of environmental management as set out in section 2 of NEMA have been taken into account.	
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.	

No-go alternative:

1. Is the activity permitted in terms of the property's existing land use rights?	**YES** √	**NO**	**Please explain**
The property is currently zoned as agricultural allowing for agri-industrial infrastructure such as the proposed development.			
2. Will the activity be in line with the following?			
(a) Provincial Spatial Development Framework (PSDF)	**YES** √	**NO**	**Please explain**
The site is currently being used as agricultural fields and will have little impact on the environment.			
(b) Urban edge / Edge of Built environment for the area	**YES** √	**NO**	**Please explain**
The development will not compromise the urban edge of the edge of built environment.			
(c) Integrated Development Plan (IDP) and Spatial Development Framework (SDF) of the Local Municipality (e.g. would the approval of this application compromise the integrity of the existing approved and credible municipal IDP and SDF?).	**YES** √	**NO**	**Please explain**
Approval of this application will not compromise the integrity of the existing IDP and SDF.			
(d) Approved Structure Plan of the Municipality	**YES** √	**NO**	**Please explain**
The site will continue to be used as agricultural fields.			
(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?)	**YES**	**NO** √	**Please explain**
The proposed development falls entirely within Ecological Support Area – Level 2, but has been entirely transformed to agricultural fields.			
(f) Any other Plans (e.g. Guide Plan)	**YES**	**NO** √	**Please explain**

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)?	**YES** √	**NO**	**Please explain**
No buildings will be erected.			
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.)	**YES**	**NO** √	**Please explain**
Using the site as agricultural fields 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** √	**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** √	**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** √	**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** √	**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** √	**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** √	**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** √	**Please explain**
12. Will any person's rights be negatively affected by the proposed activity/ies?	**YES**	**NO** √	**Please explain**
13. Will the proposed activity/ies compromise the "urban edge" as defined by the local municipality?	**YES**	**NO** √	**Please explain**
14. Will the proposed activity/ies contribute to any of the 17 Strategic Integrated Projects (SIPS)?	**YES**	**NO** √	**Please explain**

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

Title of legislation, policy or guideline	Applicability to the project	Administering authority	Date
National Environmental Management Act, Act No. 107 of 1998. 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 28 & 40	A. S. Roux Algemene Kontrakteurders proposing renovation of 4 existing poultry houses to expand capacity & addition of 2 new poultry houses to an existing facility to contain 6 environmentally controlled poultry houses.	Free State Department of Tourism Environment and Economic Affairs	1998 1998
National Water Act, Act No. 36 of 1998.	Water use will be registered with the Department of Water Affairs if necessary.	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 Tourism Environment and Economic Affairs	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 Poultry Regulations, Reg. 153 published on 24 February 2006 in GN 8402.	Only applicable to facilities containing abattoirs.	Free State Department of Tourism Environment and Economic Affairs	2000
National Environmental	Activity does not trigger a	Free State Department	2008

Management: Waste Act, Act No. 59 of 2008 Listed Activities Reg. 921 published on 29 November 2013 in GN 37083 The National Waste Act (Act 26 of 2014).	Listed Activity	of Tourism Environment and Economic Affairs	2016 2014
National Health Act (Act 61 of 2003)	A Waste Management Plan, Odour Management Plan and Biosecurity Plan has been designed to address any issues that may cause a health hazard.	The municipal health inspector	2003
Municipal Health Services By-Laws 2009	The facility will be designed in adherence to the principals of Part 4: Keeping of poultry requirements in an agricultural setting.	Thabo Mofutsanyana District Municipality,	2009
Occupational Health and Safety Act, Act 85 of 1993 Noise regulation, 2003 Environmental regulations for workplaces, 1987 Facility regulations,1990 General Health and Safety Regulations, 1986 Electrical Installation Regulations, 2009. Electrical Machinery Regulations, 1988. 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 2003 1987 1990 1986 2009 1988 2014

12. WASTE, EFFLUENT, EMISSION AND NOISE MANAGEMENT

a) Solid waste management

Activity alternative 1

Will the activity produce solid construction waste during the construction/initiation phase?	YES √	NO
If YES, what estimated quantity will be produced per month?		5.25m^3

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. Any hazardous waste such as oil or grease will be removed from the site by the contractor that is responsible for construction.

Will the activity produce solid waste during its operational phase?	YES √	NO
If YES, what estimated quantity will be produced per month?		127.5m^3

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 252 tons of poultry manure will be produced monthly. After completion of each cycle manure is removed and used as fertiliser on agricultural fields on the same farm. **Disposal of Mortalities** Approximately 3 840 dead poultry will be produced per cycle. The carcasses are removed on a daily basis and is collected by a predator farmer.

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.

Activity alternative 2

Will the activity produce solid construction waste during the construction/initiation phase?	YES √	NO

If YES, what estimated quantity will be produced per month?	5.25m³

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 √	NO
If YES, what estimated quantity will be produced per month?	127.5m³	

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 76 tons of poultry manure will be produced monthly. After completion of each cycle manure is removed and used as fertiliser on agricultural fields on the same farm. **Disposal of Mortalities** Approximately 3 840 dead poultry will be produced per cycle. The carcasses are removed on a daily basis and is collected by a predator farmer.

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^3

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^3	

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

Activity alternative 1

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^3
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:

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

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

After the completion of each cycle, the chickens and all manure and litter are removed. After removal, all surfaces are sprayed with foam based detergent that is left to evaporate. Upon completion of this process, the floors of the houses are washed with water only that will be allowed to soak into the soil surrounding the facility.

Activity alternative 2

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^3
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:

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

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

After the completion of each cycle, the chickens and all manure and litter are removed. After removal, all surfaces are sprayed with foam based detergent that is left to evaporate. Upon completion of this process, the floors of the houses are washed with water only that will be allowed to soak into the soil surrounding the facility.

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^3
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:

Facility name:	N/A		
Contact person:	N/A		
Postal address:	N/A		
Postal code:	N/A		
Telephone:	N/A	**Cell:**	N/A
E-mail:	N/A	**Fax:**	N/A

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

Ditches will be dug to ensure proper diversion of water and prevent flooding of the planted fields near the site.

c) Emissions into the atmosphere

Activity alternative 1

Will the activity release emissions into the atmosphere other that 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:

Since the houses will be closed and environmentally controlled, the amounts of dust, ammonia and odours released into the atmosphere will be minimal.

Activity alternative 2

Will the activity release emissions into the atmosphere other that 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:

Since the houses will be open small amounts of dust, odours and ammonia will be emitted.

No-go alternative

Will the activity release emissions into the atmosphere other that 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

Activity alternative 1

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

Activity alternative 2

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

Activity alternative 1

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:

The fans used inside the chicken houses will generate low levels of noise. Noise levels (at existing chicken broiler houses) were measured directly outside the boiler room and 100m away from the fans. In both cases the levels read 58db. Low levels of noise will be produced by the chickens in the houses as well.

Activity alternative 2

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:

The fans used inside the chicken houses will generate low levels of noise. Noise levels (at existing chicken broiler houses) were measured directly outside the boiler room and 100m away from the fans. In both cases the levels read 58db. Low levels of noise will be produced by the chickens in the houses as well.

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

13. WATER USE

Activity alternative 1

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:	1 512 000 m^3

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.

The water use is authorised under General Authorisation.

Activity alternative 2

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:	1 512 000 m^3	
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.

The water use is authorised under General Authorisation.

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:	0 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.

14. ENERGY EFFICIENCY

Activity alternative 1
Describe the design measures, if any, which have been taken to ensure that the activity is energy efficient:

Because of a higher isolation (R) value (12 for closed houses versus 1.5 for open houses) the use of fans for cooling in summer are much lower in closed houses than in open houses. During winter, closed houses also retain heat much longer and need substantially less heating than open houses. Energy efficient fans are also used. All the houses are fitted with a day light switch in order for outside lights only to be on when absolutely necessary. All lights inside the house make use of energy saving light bulbs.

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

None

Activity alternative 2
Describe the design measures, if any, which have been taken to ensure that the activity is energy efficient:

Manual labour will be used for the opening and closing of canvas to control the temperature inside the houses.

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	NO
	√

If YES, please complete the form entitled "Details of specialist and declaration of interest" for each specialist thus appointed and attach it in Appendix I. All specialist reports must be contained in Appendix D.

Property description/physical address:

Province	Free State
District Municipality	Thabo Mofutsanyana District Municipality.
Local Municipality	Dihlabeng Local Municipality.
Ward Number(s)	
Farm name and number	Farm Oktawus 1434
Portion number	0
SG Code	F01400000000014340000

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:

Agricultural

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	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		2.4 Closed valley		2.7 Undulating plain / low hills	
2.2 Plateau		2.5 Open valley		2.8 Dune	
2.3 Side slope of hill/mountain		2.6 Plain	√	2.9 Seafront	
2.10 At sea					

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):**		**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. GROUNDCOVER

Alternative S1:
Indicate the types of groundcover present on the site. The location of all identified rare or endangered species or other elements should be accurately indicated on the site plan(s).

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

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

The EAP is a registered Ecologist with SACNASP. The entire site has been completely transformed by cultivation of planted pasture.

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 [H]
Medium density residential	School	Landfill or waste treatment site
High density residential	Tertiary education facility	Plantation
Informal residential[A]	Church	Agriculture √
Retail commercial & warehousing	Old age home	River, stream or wetland
Light industrial	Sewage treatment plant[A]	Nature conservation area
Medium industrial [AN]	Train station or shunting yard [N]	Mountain, koppie or ridge
Heavy industrial [AN]	Railway line [N]	Museum
Power station	Major road (4 lanes or more) [N]	Historical building
Office/consulting room	Airport [N]	Protected Area
Military or police base/station/compound	Harbour	Graveyard
Spoil heap or slimes dam[A]	Sport facilities	Archaeological site
Quarry, sand or borrow pit	Golf course	Other land uses (describe)

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

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:

33.4%

Economic profile of local municipality:

The Dihlabeng Local Municipality is a Category B municipality situated in the Thabo Mofutsanyana District in the Free State. It is one of six municipalities in the district. It was established in terms of Section 12 of the Local Government Structures Act 117 of 1998, after the first general local government elections of 5 December 2000, which heralded the final phase of local government reform as envisaged in 1994 at the onset of the process of democratisation. Bethlehem is situated approximately 240km north-east of Bloemfontein, 140km east of Kroonstad and 90km west of Harrismith. The town is strategically situated in the heart of the picturesque north-eastern Free State and originally developed as a service centre. Growth is stimulated by the strategic location of the area, which is situated adjacent to the N5 between Bloemfontein and Durban and serves as a central

regional centre. The scenic town of Clarens, often referred to as the 'Switzerland' of South Africa, is situated approximately 34km south-east of Bethlehem. Clarens is a mere 20km from the Golden Gate Highlands National Park. Fouriesburg is situated on the R26 route and in close proximity to Lesotho. The town has the predominant function of a small service centre and is increasingly being supported by the tourism industry. Paul Roux is situated 35km west of Bethlehem. Rosendal is located at the foot of the Witteberg Mountain Range on the R70. The town offers excellent property investment opportunities.

Area: 4 868km²

Cities/Towns: Bethlehem, Clarens, Fouriesburg, Golden Gate Highlands National Park, Paul Roux, Rosendal

Main Economic Sectors: Services (29.7%), trade (18.6%), finance (18%), manufacturing (14.4%), transport (9.3%), agriculture (7.1%), construction (1.9%)

Level of education:
No schooling: 8.3%
Matric: 32.7%
Higher education: 9.5%

b) Socio-economic value of the activity

What is the expected capital value of the activity on completion?	R 45 000 000.00	
What is the expected yearly income that will be generated by or as a result of the activity?	R 15 000 000.00	
Will the activity contribute to service infrastructure?	YES √	NO
Is the activity a public amenity?	YES	NO √
How many new employment opportunities will be created in the development and construction phase of the activity/ies?	25	
What is the expected value of the employment opportunities during the development and construction phase?	R 1 525 000.00	
What percentage of this will accrue to previously disadvantaged individuals?	80 %	
How many permanent new employment opportunities will be created during the operational phase of the activity?	20	
What is the expected current value of the employment opportunities during the first 10 years?	R 10 000 000.00	
What percentage of this will accrue to previously disadvantaged individuals?	80%	

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)

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)	**ESA 2** The site has been completely transformed to agricultural fields and existing infrastructure.

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 (including additional insight into condition, e.g. poor land management practises, presence of quarries, grazing, harvesting regimes etc).**
Natural	%	
Near Natural (includes areas with low to moderate level of alien invasive plants)	0%	
Degraded (includes areas heavily invaded by alien plants)	%	
Transformed (includes cultivation, dams, urban, plantation, roads, etc)	100%	It has been transformed to agricultural fields and existing infrastructure

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.

Alternative S1:

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 unchanneled wetlands, flats, seeps pans, and artificial wetlands)			Estuary		Coastline	
	Endangered √							
	Vulnerable							
	Least Threatened	YES	NO √	UNSURE	YES	NO √	YES	NO√

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

Alternative S1:

The vegetation on the site was historically classified as Eastern Free State Sandy Grassland – Endangered. It has been completely transformed due to the cultivation of agricultural fields.

SECTION C: PUBLIC PARTICIPATION

1. ADVERTISEMENT AND NOTICE

Publication name	Vrystaat	
Date published	14 October 2020	
Site notice position	**Latitude:** 28°16'59.94"	**Longitude:** 26°24'9.06"
Date placed	14 October 2020	

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

Title, Name and Surname	**Affiliation/ key stakeholder status**	**Contact details (tel number or e-mail address)**

Mnr Eduard Marais	Neighbour	eduard.marais@psg.co.za
Mnr Robbie Prinsloo	Neighbour	Farm Energie, Posbus 1059, Bethlehem, 9700 078 318 1414
Mnr Romeo de Jesus	Neighbour	nelsondj098@hotmail.co.za
Mev C v d Merwe	Neighbour	catherine@kryger.co.za
Mnr Bismarck du Plessis	Neighbour	bismarckdup@gmail.com
Mnr. CP v d Merwe	Neighbour	cpvdm@netactive.co.za

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
N/A	

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
Dihlabeng Local Municipality	Lekgetho Mokgatlhe, Mr	058 303 5732	058 303 4703	munmanager1@dihlabeng.co.za	PO Box 551, BETHLEHEM, 9700
Thabo Mofutsanyana	Matefu Mokwena,			matefu@tmdm.gov.za	Private Bag X810,

District Municipality	Mr	058 718 1000		execcmayor.tm@lg.fs.gov.za	WITSIESHOEK, 9870
DWS	Bernard Jase	083 236 4945		jaseb@dws.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 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 A 1 (preferred alternative)			
	Direct impacts:		

Activity	Impact summary	Significance	Proposed mitigation
	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. Any discarded oils, grease, oil filters, rags, etc. will be removed from the site by the contractor responsible for construction.
	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

Activity	Impact summary	Significance	Proposed mitigation
			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.
	Indirect impacts: None		
	Cumulative impacts: None		
	Operational Phase		
	Manure	Low	All the manure will be utilised in the crop production as fertilizer and on lands where grazing occurs.
	Carcasses	Low	The carcasses are removed on a daily basis and collected by a contractor.
	Indirect impacts: None		
	Cumulative impacts: None		

Activity	Impact summary	Significance	Proposed mitigation
Alternative A2			
	Direct impacts:		
	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

Activity	Impact summary	Significance	Proposed mitigation
			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. Any discarded oils, grease, oil filters, rags, etc. will be removed from the site by the contractor responsible for construction.
	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

Activity	Impact summary	Significance	Proposed mitigation
			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.
	Indirect impacts: None		
	Cumulative impacts: None		
	Operational Phase		
	Manure	Low	All the manure will be utilised in the crop production as fertilizer and on lands where grazing occurs.
	Carcasses	Low	The carcasses are removed on a daily basis and collected by a contractor.
	Indirect impacts: None		
	Cumulative impacts: None		

Activity	Impact summary	Significance	Proposed mitigation
Alternative S1			
	Direct impacts:		
	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

Activity	Impact summary	Significance	Proposed mitigation
			protected areas. Measures must be taken for the proper disposal of oils, grease, oil filters, rags, etc. Rainwater will be diverted around the site to be kept clean. All water hat is used or rainwater that falls within the site will be collected in drainage ditches and directed into two evaporation dams. From there, after a period of settling, the clean water will be pumped into a "clean water dam". This water will be re-used for dust control and for watering of crops on the farm.
	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.

Activity	Impact summary	Significance	Proposed mitigation
	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.
	Indirect impacts: None		
	Cumulative impacts: None		
	Operational Phase		
	Manure	Low	All the manure will be utilised in the crop production as fertilizer and on lands where grazing occurs.
	Carcasses	Low	The carcasses are removed on a daily basis and collected by a contractor.
	Indirect impacts: None		
	Cumulative impacts: None		

Activity	Impact summary	Significance	Proposed mitigation
Alternative S1			
	Direct impacts:		
	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.

Activity	Impact summary	Significance	Proposed mitigation
	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. Rainwater will be diverted around the site to be kept clean. All water hat is used or rainwater that falls within the site will be collected in drainage ditches and directed into two evaporation dams. From there, after a period of settling, the clean water will be pumped into a "clean water dam". This water will be re-used for dust control and for watering of crops on the farm.
	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

Activity	Impact summary	Significance	Proposed mitigation
			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.
	Indirect impacts: None		
	Cumulative impacts: None		
	Operational Phase		
	Manure	Low	All the manure will be utilised in the crop production as fertilizer and on lands where grazing occurs.
	Carcasses	Low	The carcasses are removed on a daily basis and collected by a contractor.
	Indirect impacts: None		
	Cumulative impacts: None		

No-go option			
	Direct impacts:		
	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	Low	None

	and increased erosion		
	Fires	Low	None
	Disturbance of fauna	Low	None
	Safety	Low	None
	Aesthetics	Low	None
	Manure	Low	None
	Carcasses	Low	None
	Indirect impacts: None		
	Cumulative impacts: 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: (As described in paragraphs 3 and 4 above)	Extent	Duration	Intensity	Probability	Significance	
	Site Regional National	Short Medium Long	Low Medium High	Improbable Probable Definite	Low Medium 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. Carcasses	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

Alternative S2:

Impact no: (As described in paragraphs 3 and 4 above)	Extent	Duration	Intensity	Probability	Significance	
	Site Regional National	Short Medium Long	Low Medium High	Improbable Probable Definite	Low Medium 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. Carcasses	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

Alternative A1						
Impact no: (As described in paragraphs 3 and 4 above)	Extent	Duration	Intensity	Probability	Significance	
	Site Regional National	Short Medium Long	Low Medium High	Improbable Probable Definite	Low Medium 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. Carcasses	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

Alternative A2						
Impact no: (As described in paragraphs 3 and 4 above)	Extent	Duration	Intensity	Probability	Significance	
	Site Regional National	Short Medium Long	Low Medium High	Improbable Probable Definite	Low Medium 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. Carcasses	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

No-go alternative (compulsory)

Impact no: (As described in paragraphs 3 and 4 above)	Extent	Duration	Intensity	Probability	Significance	
	Site Regional National	Short Medium Long	Low Medium High	Improbable Probable Definite	Low Medium 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	Short	Medium	Definite	Medium	Medium

	Regional					
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

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

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

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.

_____

NAME OF EAP

_____ _____

SIGNATURE OF EAP DATE

SECTION F: APPENDICES

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