



DRAFT BASIC ASSESSMENT REPORT

FOR

PROPOSED CHICKEN PROJECT WITHIN PORTION 112 OF FARM
VASTFONTEIN 271 JR, CITY OF TSHWANE METROPOLITAN
MUNICIPALITY; GAUTEMG PROVINCE

Application for Environmental Authorisation for chicken project in Vastfontein.

DIVHANI MULAUDZI (PLANTAGO LANCEOLATA PTY LTD)

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GAUTENG PROVINCE

AGRICULTURE AND RURAL DEVELOPMENT
REPUBLIC OF SOUTH AFRICA

Basic Assessment Report in terms of the National Environmental Management Act, 1998 (Act No. 107 of 1998), as amended, and the Environmental Impact Assessment Regulations, 2014 (Version 1)

Kindly note that:

1. This **Basic Assessment Report** is the standard report required by GDARD in terms of the EIA Regulations, 2014.
2. This application form is current as of 8 December 2014. It is the responsibility of the EAP to ascertain whether subsequent versions of the form have been published or produced by the competent authority.
3. **A draft Basic Assessment Report must be submitted, for purposes of comments within a period of thirty (30) days, to all State Departments administering a law relating to a matter likely to be affected by the activity to be undertaken.**
4. **A draft Basic Assessment Report (1 hard copy and two CD's) must be submitted, for purposes of comments within a period of thirty (30) days, to a Competent Authority empowered in terms of the National Environmental Management Act, 1998 (Act No. 107 of 1998), as amended to consider and decide on the application.**
5. Five (5) copies (3 hard copies and 2 CDs-PDF) of the final report and attachments must be handed in at offices of the relevant competent authority, as detailed below.
6. 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.
7. Selected boxes must be indicated by a cross and, when the form is completed electronically, must also be highlighted.
8. An incomplete report may lead to an application for environmental authorisation being refused.
9. **Any report that does not contain a titled and dated full colour large scale layout plan of the proposed activities including a coherent legend, overlain with the sensitivities found on site may lead to an application for environmental authorisation being refused.**
10. 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 application for environmental authorisation being refused.
11. No faxed or e-mailed reports will be accepted. Only hand delivered or posted applications will be accepted.
12. Unless protected by law, and clearly indicated as such, all information filled in on this application will become public information on receipt by the competent authority. The applicant/EAP must provide any interested and affected party with the information contained in this application on request, during any stage of the application process.
13. Although pre-application meeting with the Competent Authority is optional, applicants are advised to have these meetings prior to submission of application to seek guidance from the Competent Authority.

DEPARTMENTAL DETAILS

Gauteng Department of Agriculture and Rural Development
Attention: Administrative Unit of the of the Environmental Affairs Branch
P.O. Box 8769
Johannesburg
2000

Administrative Unit of the of the Environmental Affairs Branch
Ground floor Diamond Building
11 Diagonal Street, Johannesburg

Administrative Unit telephone number: (011) 240 3377
Department central telephone number: (011) 240 2500

(For official use only)

NEAS Reference Number:						
File Reference Number:						
Application Number:						
Date Received:						

If this BAR has not been submitted within 90 days of receipt of the application by the competent authority and permission was not requested to submit within 140 days, please indicate the reasons for not submitting within time frame.

Application for Environmental Authorisation together with the BAR, will be submitted to GDARD for commiserations. This will be submitted as Draft BAR/Consultative report in for considerations of EA.

All stipulated timeframes in terms of the EIA regulations will be adhered to for all submissions.

Is a closure plan applicable for this application and has it been included in this report?

N/A

If not, state reasons for not including the closure plan.

The proposed project is an ongoing operation and no closure planned at this stage of reporting. Chicken project and supply is in need and demand to the community and health as part of the agricultural economy. The area is predominantly with agricultural activities as well. Socially and economically the community is still developing. Income levels are not that high, as well as the standard of living. This development would improve the conditions of this community all-round, whilst also contributing to the economy on a regional scale as well.

Has a draft report for this application been submitted to a competent authority and all State Departments administering a law relating to a matter likely to be affected as a result of this activity?

NO

Is a list of the State Departments referred to above attached to this report including their full contact details and contact person?

YES

If no, state reasons for not attaching the list.

Interested and affected party database will be developed and submitted on the final Basic Assessment Report as part of the public participation and stakeholder engagement; all parties will be registered into the register and all issues will be addressed and attended to. All details, addresses, contact details and cell phone numbers including emails will be included into the database form of interested and affected parties.

Have State Departments including the competent authority commented?

NO

If no, why?

The report will be submitted to the below for comments:
- Gauteng Department of Agriculture and Rural Development
- City of Tshwane Metropolitan Municipality
- Department of Agriculture
all comments raised by the above institutions will be attached to the Final BAR

SECTION A: ACTIVITY INFORMATION

1. PROPOSAL OR DEVELOPMENT DESCRIPTION

Project title (must be the same name as per application form):

The proposed development of Chicken Farming (egg laying chicken project) on the portion 112 of the Farm Vastfontein 271 JR within the jurisdiction of City of Tshwane , Metropolitan Municipality in Gauteng Province.

Select the appropriate box

The application is for an upgrade of an existing development The application is for a new development Other, specify

Does the activity also require any authorisation other than NEMA EIA authorisation?

<input type="checkbox"/>	NO
<input checked="" type="checkbox"/>	X

If yes, describe the legislation and the Competent Authority administering such legislation

If yes, have you applied for the authorisation(s)?

<input type="checkbox"/>	NO
<input checked="" type="checkbox"/>	X

If yes, have you received approval(s)? (attach in appropriate appendix)

<input type="checkbox"/>	NO
<input checked="" type="checkbox"/>	X

2. 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:

Title of legislation, policy or guideline:	Administering authority:	Promulgation Date:
National Environmental Management Act, 1998 (Act No. 107 of 1998 as amended).	National & Provincial	27 November 1998
Occupational Health and Safety Act, 1993 (Act No. 85 of 1993)	National & Provincial	1 January 1994
Environmental Conservation Act, 1989 (Act No 73 of 1989) (ECA)	National & Provincial	9 June 1989
Animals Protection Act, 1962 (Act No. 71 of 1962)	National & Provincial	1 December 1962
National Water Act, 1998 (Act No.36 of 1998)	National & Provincial	1 October 1998
National Heritage Resources Act, 1999 (Act No. 25 of 1999)	National & Provincial	28 April 1999
National Environmental Management Act: Biodiversity Act (Act No. 10 of 2004)	National & Provincial	7 June 2004
National Environmental Management: Waste Act, 2008 (Act No. 59 of 2008)	National & Provincial	10 March 2009
Construction Industry Development Board Act, 2000 (Act No. 38 of 2000)	National & Provincial	17 November 2000
Hazardous Substances Act, 1973 (Act No. 15 of 1973)	National & Provincial	4 April 1973
Constitution of South Africa 1996 (Act No. 108 of 1996)	National & Provincial	18 December 1996

Description of compliance with the relevant legislation, policy or guideline:

Legislation, policy or guideline	Description of compliance
<p>GN. R 327, 07 April 2017 Listing Notice 1; Activity 5.</p> <p>The development and related operation of facilities or infrastructure for the concentration of—</p> <p>(i) more than 1 000 poultry per facility situated within an urban area, excluding chicks younger than 20 days;</p> <p>(ii) more than 5 000 poultry per facility situated outside an urban area, excluding chicks younger than 20 days;</p> <p>(iii) more than 5 000 chicks younger than 20 days per facility situated within an urban area; or</p> <p>(iv) more than 25 000 chicks younger than 20 days per facility situated outside an urban area.</p>	<p>Everland Agri-Farming has proposed to contract 8 chicken houses (egg laying chickens) with a carrying capacity of 50 000 birds per houses.</p>
<p>GN. R 327, 07 April 2017 Listing Notice 1; Activity 27</p> <p>The clearance of an area of 1 hectare or more, but less than 20 hectares of indigenous vegetation, except where such clearance of indigenous vegetation is required for—</p> <p>(i) the undertaking of a linear activity; or</p> <p>(ii) maintenance purposes undertaken in accordance with a maintenance management plan.</p>	<p>The proposed development will have a clearance of land in an excess of approximately 8.7 hectares.</p>

3. ALTERNATIVES

Describe the proposal and alternatives that are considered in this application. Alternatives should include a consideration of all possible means by which the purpose and need of the proposed activity could be accomplished. The determination of whether the 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.

The no-go option must in all cases be included in the assessment phase as the baseline against which the impacts of the other alternatives are assessed. **Do not** include the no go option into the alternative table below.

Note: 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.

Please describe the process followed to reach (decide on) the list of alternatives below

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Provide a description of the alternatives considered

No.	Alternative type, either alternative: site on property, properties, activity, design, technology, energy, operational or other(provide details of "other")	Description
1	Site alternative	Due to the land acquisition and purchases by the applicant, no other land portion is proposed for the applicant to build the houses. Only preferred land is earmarked.
2	design,	Designs measures that will be implemented to ensure energy efficient will be Insulating walls to be installed the building thermally and acoustically.
3	Technology	The use of LED lighting technology for all the lighting needs on the farm. LED's consume much less energy and have a much longer lifespan than conventional bulbs, hence also cost effective.

4	Energy alternative	Solar panels (photovoltaic panels) could be installed on the roofs of the chicken houses. The roofs have a large surface area and therefore large panels can be installed to capture as much of the sun's radiation as possible.
5	No-go option	If no-go option, There will be no development on the proposed site therefore there will be no job creation and skills transfer. No impacts predicted as no-go means site will remain unchanged

In the event that no alternative(s) has/have been provided, a motivation must be included in the table below.

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4. PHYSICAL SIZE OF THE ACTIVITY

Indicate the total physical size (footprint) of the proposal as well as alternatives. Footprints are to include all new infrastructure (roads, services etc), impermeable surfaces and landscaped areas:

Proposed activity (**Total environmental (landscaping, parking, etc.) and the building footprint**)

Size of the activity:

8,7362 ha

Alternatives:

Alternative 1 (if any)

N/A

Alternative 2 (if any)

N/A

Ha/ m²

or, for linear activities:

Proposed activity

Length of the activity:

Alternatives:

Alternative 1 (if any)

N/A

Alternative 2 (if any)

N/A

m/km

Indicate the size of the site(s) or servitudes (within which the above footprints will occur):

Proposed activity

Size of the site/servitude:

Alternatives:

Alternative 1 (if any)

N/A

Alternative 2 (if any)

N/A

Ha/m²

5. SITE ACCESS

Proposal

Does ready access to the site exist, or is access directly from an existing road?

YES X

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

m

Describe the type of access road planned:

There is existing gravel road to the site

Include the position of the access road on the site plan (if the access road is to traverse a sensitive feature the impact thereof must be included in the assessment).

Alternative 1

Does ready access to the site exist, or is access directly from an existing road?

YES X

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

m

Describe the type of access road planned:

Include the position of the access road on the site plan. (if the access road is to traverse a sensitive feature the impact thereof must be included in the assessment).

Alternative 2

Does ready access to the site exist, or is access directly from an existing road?

YES

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

m

Describe the type of access road planned:

Include the position of the access road on the site plan. (if the access road is to traverse a sensitive feature the impact thereof must be included in the assessment).

PLEASE NOTE: Points 6 to 8 of Section A must be duplicated where relevant for alternatives

Section A 6-8 has been duplicated

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Number of times

(only complete when applicable)

6. LAYOUT OR ROUTE PLAN

A detailed site or route (for linear activities) plan(s) must be prepared for each alternative site or alternative activity. It must be attached to this document. The site or route plans must indicate the following:

- the layout plan is printed in colour and is overlaid with a sensitivity map (if applicable);
- layout plan is of acceptable paper size and scale, e.g.
 - A4 size for activities with development footprint of 10sqm to 5 hectares;
 - A3 size for activities with development footprint of > 5 hectares to 20 hectares;
 - A2 size for activities with development footprint of >20 hectares to 50 hectares);
 - A1 size for activities with development footprint of >50 hectares);
- The following should serve as a guide for scale issues on the layout plan:
 - A0 = 1: 500
 - A1 = 1: 1000
 - A2 = 1: 2000
 - A3 = 1: 4000
 - A4 = 1: 8000 (±10 000)
- shapefiles of the activity must be included in the electronic submission on the CD's;
- the property boundaries and Surveyor General numbers of all the properties within 50m of the site;
- the exact position of each element of the activity as well as any other structures on the site;
- the position of services, including electricity supply cables (indicate above or underground), water supply pipelines, boreholes, sewage pipelines, septic tanks, storm water infrastructure;
- servitudes indicating the purpose of the servitude;
- sensitive environmental elements on and within 100m of the site or sites (including the relevant buffers as prescribed by the competent authority) including (but not limited thereto):
 - Rivers and wetlands;
 - the 1:100 and 1:50 year flood line;
 - ridges;
 - cultural and historical features;
 - areas with indigenous vegetation (even if it is degraded or infested with alien species);
- Where a watercourse is located on the site at least one cross section of the water course must be included (to allow the position of the relevant buffer from the bank to be clearly indicated)

FOR LOCALITY MAP (NOTE THIS IS ALSO INCLUDED IN THE APPLICATION FORM REQUIREMENTS)

- the scale of locality map must be 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 locality map and all other maps must be in colour;
- locality map must show property boundaries and numbers within 100m of the site, and for poultry and/or piggery, locality map must show properties within 500m and prevailing or predominant wind direction;
- for gentle slopes the 1m contour intervals must be indicated on the map and whenever the slope of the site exceeds 1:10, the 500mm contours must be indicated on the map;
- areas with indigenous vegetation (even if it is degraded or infested with alien species);
- locality map must show exact position of development site or sites;
- locality map showing and identifying (if possible) public and access roads; and
- the current land use as well as the land use zoning of each of the properties adjoining the site or sites.

7. SITE PHOTOGRAPHS

Colour photographs from the center 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 the appropriate Appendix. It should be supplemented with additional photographs of relevant features on the site, where applicable.

8. FACILITY ILLUSTRATION

A detailed illustration of the activity must be provided at a scale of 1:200 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 to be attached in the appropriate Appendix.

SECTION B: DESCRIPTION OF RECEIVING ENVIRONMENT

Note: Complete Section B for the proposal and alternative(s) (if necessary)

Instructions for completion of Section B for linear activities

- 1) For linear activities (pipelines etc) it may be necessary to complete Section B for each section of the site that has a significantly different environment.
- 2) Indicate on a plan(s) the different environments identified
- 3) Complete Section B for each of the above areas identified
- 4) Attach to this form in a chronological order
- 5) Each copy of Section B must clearly indicate the corresponding sections of the route at the top of the next page.

Section B has been duplicated for sections of the route times

Instructions for completion of Section B for location/route alternatives

- 1) For each location/route alternative identified the entire Section B needs to be completed
- 2) Each alternative location/route needs to be clearly indicated at the top of the next page
- 3) Attach the above documents in a chronological order

Section B has been duplicated for location/route alternatives times (complete only when appropriate)

Instructions for completion of Section B when both location/route alternatives and linear activities are applicable for the application

Section B is to be completed and attachments order in the following way

- All significantly different environments identified for Alternative 1 is to be completed and attached in a chronological order; then
- All significantly different environments identified for Alternative 2 is to be completed and attached chronological order, etc.

Section B - Section of Route (complete only when appropriate for above)

Section B – Location/route Alternative No. (complete only when appropriate for above)

1. PROPERTY DESCRIPTION

Property description:
(Including Physical Address and Farm name, portion etc.)

Everland Green-Farming located on Portion 112 of the Farm Vastfontein 271 JR within the City of Tshwane Metropolitan Municipality: Gauteng Province.

2. ACTIVITY POSITION

Indicate the position of the activity using the latitude and longitude of the centre point of the site for each alternative site. The co-ordinates should be in decimal degrees. The degrees should have at least six decimals to ensure adequate accuracy. The projection that must be used in all cases is the WGS84 spheroid in a national or local projection.

Alternative:

Latitude (S):

Longitude (E):

25° 29'36. 436"

28° 14'10. 813"

In the case of linear activities:

Alternative:

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

Latitude (S):

Longitude (E):

°	°
°	°
°	°

For route alternatives that are longer than 500m, please provide co-ordinates taken every 250 meters along the route and attached in the appropriate Appendix

Addendum of route alternatives attached

The 21 digit Surveyor General code of each cadastral land parcel

PROPOSAL	T	0	J	R	0	0	0	0	0	0	0	0	0	2	7	1	0	0	1	1	2	
ALT. 1																						
ALT. 2																						
etc.																						

3. GRADIENT OF THE SITE

Indicate the general gradient of the site.

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

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

Ridgeline	Plateau	Side slope of hill/ridge	Valley	Plain	Undulating plain/low hills	River front
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5. GROUNDWATER, SOIL AND GEOLOGICAL STABILITY OF THE SITE

a) Is the site located on any of the following?

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

(Information in respect of the above will often be available at the planning sections of local authorities. Where it exists, the 1:50 000 scale Regional Geotechnical Maps prepared by Geological Survey may also be used).

b) are any caves located on the site(s) NO X

If yes to above provide location details in terms of latitude and longitude and indicate location on site or route map(s)

Latitude (S): **Longitude (E):**

c) are any caves located within a 300m radius of the site(s) NO X

If yes to above provide location details in terms of latitude and longitude and indicate location on site or route map(s)

Latitude (S): **Longitude (E):**

d) are any sinkholes located within a 300m radius of the site(s) NO X

If yes to above provide location details in terms of latitude and longitude and indicate location on site or route map(s)

Latitude (S): **Longitude (E):**

If any of the answers to the above are "YES" or "unsure", specialist input may be requested by the Department

6. AGRICULTURE

Does the site have high potential agriculture as contemplated in the Gauteng Agricultural Potential Atlas (GAPA 4)? YES

Please note: The Department may request specialist input/studies in respect of the above.

7. GROUNDCOVER

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

Indicate the types of groundcover present on the site and include the estimated percentage found on site

Natural veld - good condition % = 90%	Natural veld with scattered aliens % =	Natural veld with heavy alien infestation % =	Veld dominated by alien species % =	Landscaped (vegetation) % =
Sport field % =	Cultivated land % =	Paved surface (hard landscaping) % =	Building or other structure % =	Bare soil % =10%

Please note: The Department may request specialist input/studies depending on the nature of the groundcover and potential impact(s) of the proposed activity/ies.

Are there any rare or endangered flora or fauna species (including red list species) present on the site

	NO X
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If YES, specify and explain:

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Are there any rare or endangered flora or fauna species (including red list species) present within a 200m (if within urban area as defined in the Regulations) or within 600m (if outside the urban area as defined in the Regulations) radius of the site.

	NO X
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If YES, specify and explain:

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Are there any special or sensitive habitats or other natural features present on the site?

	NO X
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If YES, specify and explain:

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Was a specialist consulted to assist with completing this section

YES X	
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If yes complete specialist details

Name of the specialist:

Mr Divhani Mulaudzi

Qualification(s) of the specialist:

Postal address:

P.O. Box 482, Vuwani, 0952

Postal code:

0952

Telephone:

Cell: 063 634 0952

E-mail:

divhani01@plantagolance.co.za

Fax: 086 7792 791

Are any further specialist studies recommended by the specialist?

NO X

If YES, specify:

If YES, is such a report(s) attached?

NO X

If YES list the specialist reports attached below

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Date:

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Signature of specialist: _____

Please note: If more than one specialist was consulted to assist with the filling in of this section then this table must be appropriately duplicated

8. LAND USE CHARACTER OF SURROUNDING AREA

Using the associated number of the relevant current land use or prominent feature from the table below, fill in the position of these land-uses in the vacant blocks below which represent a 500m radius around the site

1. Vacant land	2. River, stream, wetland	3. Nature conservation area	4. Public open space	5. Koppie or ridge
6. Dam or reservoir	7. Agriculture	8. Low density residential	9. Medium to high density residential	10. Informal residential
11. Old age home	12. Retail	13. Offices	14. Commercial & warehousing	15. Light industrial
16. Heavy industrial ^{AN}	17. Hospitality facility	18. Church	19. Education facilities	20. Sport facilities
21. Golf course/polo fields	22. Airport ^N	23. Train station or shunting yard ^N	24. Railway line ^N	25. Major road (4 lanes or more) ^N
26. Sewage treatment plant ^A	27. Landfill or waste treatment site ^A	28. Historical building	29. Graveyard	30. Archeological site

31. Open cast mine	32. Underground mine	33. Spoil heap or slimes dam ^A	34. Small Holdings	
Other land uses (describe):				

NOTE: Each block represents an area of 250m X 250m, if your proposed development is larger than this please use the appropriate number and orientation of hashed blocks

NORTH					
	35	1	1	7	7
	1	2	1	7	7
WEST	1	2		1	7
	1	2	1	7	7
	1	2	1	7	7
	SOUTH				
				EAST	

Note: More than one (1) Land-use may be indicated in a block

Please note: The Department may request specialist input/studies depending on the nature of the land use character of the area and potential impact(s) of the proposed activity/ies. Specialist reports that look at health & air quality and noise impacts may be required for any feature above and in particular those features marked with an "A" and with an "N" respectively.

Have specialist reports been attached
If yes indicate the type of reports below

	NO
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9. SOCIO-ECONOMIC CONTEXT

Describe the existing social and economic characteristics of the area and the community condition as baseline information to assess the potential social, economic and community impacts.

The area is predominantly agricultural activities whereby the surrounding communities are employed within the farms. Socially and economically the area is still developing as more farming projects are proposed. Income levels are not high, as well as the standard of living. The proposed chicken development would improve the conditions of this community all-round, whilst also contributing to the economy on a regional scale..

10. CULTURAL/HISTORICAL FEATURES

Please be advised that if section 38 of the National Heritage Resources Act 25 of 1999 is applicable to your proposal or alternatives, then you are requested to furnish this Department with written comment from the South African Heritage Resource Agency (SAHRA) – Attach comment in appropriate annexure

38. (1) Subject to the provisions of subsections (7), (8) and (9), any person who intends to undertake a development categorised as-

- (a) the construction of a road, wall, powerline, pipeline, canal or other similar form of linear development or barrier exceeding 300m in length;
- (b) the construction of a bridge or similar structure exceeding 50m in length;
- (c) any development or other activity which will change the character of a site-
 - (i) exceeding 5 000 m2 in extent; or
 - (ii) involving three or more existing erven or subdivisions thereof; or
 - (iii) involving three or more erven or divisions thereof which have been consolidated within the past five years; or
 - (iv) the costs of which will exceed a sum set in terms of regulations by SAHRA or a provincial heritage resources authority;
- (d) the re-zoning of a site exceeding 10 000 m2 in extent; or

(e) any other category of development provided for in regulations by SAHRA or a provincial heritage resources authority, must at the very earliest stages of initiating such a development, notify the responsible heritage resources authority and furnish it with details regarding the location, nature and extent of the proposed development.

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

	NO X
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If uncertain, the Department may request that specialist input be provided to establish whether there is such a feature(s) present on or close to the site.

Briefly explain the findings of the specialist if one was already appointed:

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Will any building or structure older than 60 years be affected in any way?
Is it necessary to apply for a permit in terms of the National Heritage Resources Act, 1999 (Act 25 of 1999)?
If yes, please attached the comments from SAHRA in the appropriate Appendix

	NO X
	NO X

SECTION C: PUBLIC PARTICIPATION (SECTION 41)

1. The Environmental Assessment Practitioner must conduct public participation process in accordance with the requirement of the EIA Regulations, 2014.

2. LOCAL AUTHORITY PARTICIPATION

Local authorities are key interested and affected parties in each application and no decision on any application will be made before the relevant local authority is provided with the opportunity to give input. The planning and the environmental sections of the local authority must be informed of the application at least thirty (30) calendar days before the submission of the application to the competent authority.

Was the draft report submitted to the local authority for comment?
If yes, has any comments been received from the local authority?

Yes

No comment received at this stage of reporting. All comments submitted by other government departments and interested and affected party will be attached to the Final BAR

If "YES", briefly describe the comment below (also attach any correspondence to and from the local authority to this application):

Basic Assessment Report circulated to other state organs for comments, all comments received by Plantago Lanceolata Pty Ltd office will be attached to the Final BAR.

If "NO" briefly explain why no comments have been received or why the report was not submitted if that is the case.

3. CONSULTATION WITH OTHER STAKEHOLDERS

Any stakeholder that has a direct interest in the activity, site or property, such as servitude holders and service providers, should be informed of the application at least **thirty (30) calendar days** before the submission of the application and be provided with the opportunity to comment.

Has any comment been received from stakeholders?

NO X

If "YES", briefly describe the feedback below (also attach copies of any correspondence to and from the stakeholders to this application):

No comment received at this stage of reporting. All comments submitted by other government departments and interested and affected party will be attached to the Final BAR. Basic Assessment Report circulated to other state organs for comments, all comments received by Plantago Lanceolata Pty Ltd office will be attached to the Final BAR

If "NO" briefly explain why no comments have been received

Stakeholders informed, awaiting comments. No comment received at this stage of reporting. All comments submitted by other government departments and interested and affected party will be attached to the Final BAR

4. GENERAL PUBLIC PARTICIPATION REQUIREMENTS

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

The EAP must record all comments and respond to each comment of the public / interested and affected party before the application report is submitted. The comments and responses must be captured in a Comments and Responses Report as prescribed in the regulations and be attached to this application.

5. APPENDICES FOR PUBLIC PARTICIPATION

All public participation information is to be attached in the appropriate Appendix. The information in this Appendix is to be ordered as detailed below

Appendix 1 – Proof of site notice

Appendix 2 – Written notices issued as required in terms of the regulations

Appendix 3 – Proof of newspaper advertisements

- Appendix 4 – Communications to and from interested and affected parties
- Appendix 5 – Minutes of any public and/or stakeholder meetings
- Appendix 6 - Comments and Responses Report
- Appendix 7 –Comments from I&APs on Basic Assessment (BA) Report
- Appendix 8 –Comments from I&APs on amendments to the BA Report
- Appendix 9 – Copy of the register of I&APs

SECTION D: RESOURCE USE AND PROCESS DETAILS

Note: Section D is to be completed for the proposal and alternative(s) (if necessary)

Instructions for completion of Section D for alternatives

- 1) For each alternative under investigation, where such alternatives will have different resource and process details (e.g. technology alternative), the entire Section D needs to be completed
- 4) Each alternative needs to be clearly indicated in the box below
- 5) Attach the above documents in a chronological order

Section D has been duplicated for alternatives times (complete only when appropriate)

Section D Alternative No. (complete only when appropriate for above)

1. WASTE, EFFLUENT, AND EMISSION MANAGEMENT

Solid waste management

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

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

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

General solid waste will be disposed off in rubbish bins on site and then transported to the local landfill site,

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

It will be disposed off to the nearest licensed waste disposal area/landfill site,

Will the activity produce solid waste during its operational phase? YES NO

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

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

At the local registered landfill site,

Has the municipality or relevant service provider confirmed that sufficient air space exists for treating/disposing of the solid waste to be generated by this activity? YES NO

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

It will be collected and transported to the next nearest registered landfill site. All components of the solid waste that are recyclable will be taken for recycling,

Note: 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, 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 relevant legislation? YES NO

If yes, inform the competent authority and request a change to an application for scoping and EIA.

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

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

Unwanted garbage will be taken to recycling facilities.

Liquid effluent (other than domestic sewage)

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

	NO
	X

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

	m ³
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If yes, has the municipality confirmed that sufficient capacity exist for treating / disposing of the liquid effluent to be generated by this activity(ies)?

	NO
	X

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

	NO
	X

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

	m ³
--	----------------

If yes describe the nature of the effluent and how it will be disposed.

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Note that if effluent is to be treated or disposed on site 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?

	NO
	X

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:

Wastewater could be used for irrigation purposes on the neighboring farms. Waste water from the chicken houses will be used for irrigation purposes.
--

Liquid effluent (domestic sewage)

Will the activity produce domestic effluent that will be disposed of in a municipal sewage system?

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

	m ³
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If yes, has the municipality confirmed that sufficient capacity exist for treating / disposing of the domestic effluent to be generated by this activity(ies)?

	NO
	X

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

	NO
	X

If yes describe how it will be treated and disposed off.

--

Emissions into the atmosphere

Will the activity release emissions into the atmosphere?

	NO
	X

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

	NO
	X

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

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

The only emissions that will be produced will be from the construction vehicles and machinery during the construction phase. These emissions will not exceed the allowable ambient quality.

2. WATER USE

Indicate the source(s) of water that will be used for the activity

<input checked="" type="checkbox"/> municipal	<input type="checkbox"/> Directly from water board	<input type="checkbox"/> groundwater	<input type="checkbox"/> river, stream, dam or lake	<input type="checkbox"/> other	<input type="checkbox"/> the activity will not use water
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If water is to be extracted from groundwater, river, stream, dam, lake or any other natural feature, please indicate the volume that will be extracted per month:

unknown

If Yes, please attach proof of assurance of water supply, e.g. yield of borehole, in the appropriate Appendix

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

	NO
	X

If yes, list the permits required

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If yes, have you applied for the water use permit(s)?

	NO
	X

If yes, have you received approval(s)? (attached in appropriate appendix)

	NO
	X

3. POWER SUPPLY

Please indicate the source of power supply eg. Municipality / Eskom / Renewable energy source

Municipality

If power supply is not available, where will power be sourced from?

Solar panels to be installed. These will capture energy from the sun and store it as electrical energy for when needed eg. In the case of a power failure.

4. ENERGY EFFICIENCY

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

- LED lighting technology will be used throughout the development for all the required lighting needs. These are much more energy efficient than ordinary bulbs and consume much less electricity. Their lifespan is also much longer than regular bulbs, hence lower maintenance costs as well.
- Solar panels will be installed, as another clean, efficient and environmentally friendly energy source
Thermal insulation will be installed in the structures of the chicken houses. This will prevent heat loss in the Winter, while keeping the houses cool in the Summer.

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

Solar power is the most viable energy source that will be used for this activity. The solar panels will be installed on the roofs of the chicken houses, as this is an exceptionally large surface area which will enable the maximum capture of solar energy. This energy could be stored and used as and when needed, as a supplementary/back up energy source

SECTION E: 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 as well as the impacts of not implementing the activity (Section 24(4)(b)(i)).

1. ISSUES RAISED BY INTERESTED AND AFFECTED PARTIES

Summarise the issues raised by interested and affected parties.

No issues raised to date

Summary of response from the practitioner to the issues raised by the interested and affected parties (including the manner in which the public comments are incorporated or why they were not included)

(A full response must be provided in the Comments and Response Report that must be attached to this report):

No comments have been received any comments raised will be contemplated in the Final Basic Assessment Report

2. IMPACTS THAT MAY RESULT FROM THE CONSTRUCTION AND OPERATIONAL PHASE

Briefly describe the methodology utilised in the rating of significance of impacts

See EMPr attached

Briefly describe and compare the potential impacts (as appropriate), significance rating of impacts, proposed mitigation and significance rating of impacts after mitigation that are likely to occur as a result of the construction phase for the various alternatives of the proposed development. This must include an assessment of the significance of all impacts.

Proposal

Potential impacts:	Significance rating of impacts (positive or negative):	Proposed mitigation:	Significance rating of impacts after mitigation:	Risk of the impact and mitigation not being implemented
Dust during construction	Medium	Water will be used for dust suppressing	Low The dust will be reduced to ambient level	Dust may cause diseases for employees working on site and on the surrounding residents
Noise	Medium	Construction operation will be scheduled during working hours	Low Noise level will be minimal	Lack of noise control may lead to accidents to employees on site, complaints from residents
Waste generated during construction	Medium	All waste generated will be taken and disposed off to the relevant waste disposal site	Waste will be minimised	Poor waste management leads to environmental pollution on site
Destruction of vegetation	High	Re-plantation will be done to rehabilitate some of the affected areas	Medium	Destruction of vegetation may lead to animal habitat loss
Soil erosion	Medium	Stone pinching will be done to the affected area and in some instances, paving will be applied. Storm water will be addressed on the final design	Low Soil erosion impact will be minimal	Soil erosion leads to the reduction of soil quality and may cause soil degradation
Mortalities of chickens fluent	Medium	Any dead chicken and chicken effluent will be used to produce	Low They will be reused to provide	If mortalities and effluent are not handled properly, it

Alternative 1

(REPEAT THIS TABLE FOR EACH ALTERNATIVE)

Potential impacts:	Significance rating of impacts (positive or negative):	Proposed mitigation:	Significance rating of impacts after mitigation:	Risk of the impact and mitigation not being implemented

Alternative 2

Potential impacts:	Significance rating of impacts (positive or negative):	Proposed mitigation:	Significance rating of impacts after mitigation:	Risk of the impact and mitigation not being implemented

List any specialist reports that were used to fill in the above tables. Such reports are to be attached in the appropriate Appendix.

N/A

Where applicable indicate the detailed financial provisions for rehabilitation, closure and ongoing post decommissioning management for the negative environmental impacts.

N/A

4. CUMULATIVE IMPACTS

Describe potential impacts that, on their own may not be significant, but is significant when added to the impact of other activities or existing impacts in the environment. Substantiate response:

The increase in noise that will result during operational of the chicken farming and the surrounding environment will contribute to the ambient noise levels.

5. ENVIRONMENTAL IMPACT STATEMENT

Taking the assessment of potential impacts into account, please provide an environmental impact statement that sums up the impact that the proposal 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.

Proposal

Poultry production could have adverse effects on the environment in numerous ways:

- Management of manure and solid waste, this impact will last for the duration of the proposed activity. The likelihood of it occurring is Low, if managed in the correct manner. It has a Medium impact significance.
- Waste streams from chicken houses, will be for duration of the activity. High likelihood of it occurring, as chicken will be producing waste all the time. It will be effectively managed, reused as manure/fertilizer for the crops, therefore Medium significance.
- Birds' carcasses, these will be disposed off according to the correct disposal channels. This will also occur throughout the duration of the project, so high likelihood of it occurring and therefore proper management will be adhered to. This impact has a Low significance.
- Dust emissions will mainly occur during the construction phase of the activity, as a result of the use of machinery and equipment, therefore high likelihood during construction phase, low during operational and decommissioning phases. It is not really an impact that can be prevented, as machinery will have to be used, therefore significance is high during construction phase. Vehicles and machinery will only be used during working hours to minimise the dust emissions.
- Odours emissions are another impact that has a high likelihood of occurring. However, there are methods to control and keep the odours levels at an acceptable level. It will also last the duration of the activity, as the chicken itself will be responsible for odours. It will be managed by ensuring proper ventilation in the chicken houses and by planting trees all around the site. Cleanliness and hygiene of the entire site is also key to controlling odours. This has a Medium significance.

Alternative 1

N/A

Alternative 2

N/A

No-go (compulsory)

No-go option will have no anticipated impacts, as the proposed activities will not be carried out

6. IMPACT SUMMARY OF THE PROPOSAL OR PREFERRED ALTERNATIVE

For proposal:

All impacts have been identified and assessed. Each impact has been given a significance rating, according to severity, duration and likelihood of it occurring. All impacts have been carefully investigated and the appropriate management and mitigation measures have been outlined. There will be little to no impacts on the environment if these guidelines are adhered to. The EMPr attached has a detailed account of all these impacts and how they will be managed.

For alternative:

Having assessed the significance of impacts of the proposal and alternative(s), please provide an overall summary and reasons for selecting the proposal or preferred alternative.

The site is ideally suited for the intended purpose, as it is located on vacant land that has already been degraded as a result of agricultural activities that have taken place there in the past. It is also not close to any residential establishments, therefore will not pose a nuisance/disturbance to any residences (Refer to EMPr attached). No significant heritage structures as well. From an economic point of view, this development will also aid the local community with employment opportunities, both temporary and long term.

7. SPATIAL DEVELOPMENT TOOLS

Indicate the application of any spatial development tool protocols on the proposed development and the outcome thereof.

8. RECOMMENDATION OF THE 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 as bound by professional ethical standards and the code of conduct of EAPASA).f

YESX	
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If "NO", indicate the aspects that require further assessment before a decision can be made (list the aspects that require further assessment):

N/A

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

In terms of mitigation, the re-vegetation of the landscape, wherever possible, must be considered. Waste collection and disposal is especially important, it must be ensured that an agreement is made with the Local Municipality to allow the dumping of waste at a registered landfill site. Access roads could also be improved. The contractor is expected to adhere to the guidelines set out, in order to minimize/prevent any impacts to the environment. Refer to EMPr attached for detailed mitigation measures

9. THE NEEDS AND DESIREBILITY OF THE PROPOSED DEVELOPMENT (as per notice 792 of 2012, or the updated version of this guideline)

The applicant would like to propose farming activities by establishing up to 8 chicken broiler houses in addition to the current 8.7 ha under vacant land. Current domestic demand for chicken in South Africa is not being met. The location and climatic conditions of the farm is more suited to broiler chicken houses than the current land situation. Agri-Business Development: The Applicant feels that proposed farming activities would be a wise financial decision and that would be reducing risk in the event of a downturn in to leave vacant land or open land. At present the number of farms that are contributing significantly to income generating activities, and the income generating potential of this farm as a contributor to the South African Agricultural sector is not being maximised. Employment Creation and BEE Ownership

This project is 100% black women and male, management and shared ownership of the chicken broiler houses. The chicken broiler houses will provide work throughout the year, and augment seasonal income of the farm. The region currently has high levels of unemployment, as many workers are only employed seasonally.

Job Creation (direct): Broiler chicken farming will provide year-round employment for the workers who will operate and manage the operation. The broiler houses will therefore provide at least four permanent, year-round employment opportunities. Presently the Applicant makes use of seasonal workers and a reduced off-season staff complement is employed full time. The impact on employment will vary depending on the production with the Chicken broiler house enterprise.

Job Creation (indirect): In addition, supplementary jobs would be created with increased economic activity associated with support services to the agri-industry, processing and secondary products. There is substantial contract work associated with broiler farming activity, thereby creating secondary employment in the broader local economy. For example:

- 1) Broiler house construction company.
- 2) Transport company delivering chicks to the farm.
- 3) Company providing the broiler house bedding.
- 4) Chicken feed company.
- 5) Contracting company to collect the manure.
- 6) Contract washing and disinfecting company

10. THE PERIOD FOR WHICH THE ENVIRONMENTAL AUTHORISATION IS REQUIRED
(CONSIDER WHEN THE ACITIVITY IS EXPECTED TO BE CONCLUDED)

This will be an ongoing activity.

11. ENVIRONMENTAL MANAGEMENT PROGRAMME (EMPr) (must include post construction monitoring requirements and when these will be concluded.)

If the EAP answers "Yes" to Point 7 above then an EMP is to be attached to this report as an Appendix

EMPr attached

YES

SECTION F: APPENDIXES

The following appendixes must be attached as appropriate (this list is inclusive, but not exhaustive):

It is required that if more than one item is enclosed that a table of contents is included in the appendix

Appendix A: Site plan(s) – *(must include a scaled layout plan of the proposed activities overlain on the site sensitivities indicating areas to be avoided including buffers)*

Appendix B: Photographs

Appendix C: Facility illustration(s)

Appendix D: Route position information

Appendix E: Public participation information

Appendix F: Water use license(s) authorisation, SAHRA information, service letters from municipalities, water supply information

Appendix G: Specialist reports

Appendix H: EMPr

Appendix I: Other information

CHECKLIST

To ensure that all information that the Department needs to be able to process this application, please check that:

- Where requested, supporting documentation has been attached;
- All relevant sections of the form have been completed.