



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.

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

N/A
 No

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

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?

Yes
 X

Is a list of the State Departments referred to above attached to this report including their full contact details and contact person? **Please refer to the Interested and Affected Party Register**

Yes X

If no, state reasons for not attaching the list.

Have State Departments including the competent authority commented?

Yes

If no, why?

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APPENDIXES

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REFERENCES

Department of Water Affairs, 2010. Groundwater Resource Directed Measures. Accessed on 10 October 2018.

Ekurhuleni Local Municipality, 2003. Ekurhuleni Local Economic Development Framework.

Ekurhuleni Local Municipality, 2005. Ekurhuleni Growth & Development Strategy 2025.

Ekurhuleni Metropolitan Municipality, 2007. Environmental Management Framework for Ekurhuleni.

Ekurhuleni Local Municipality, 2015. Regional Spatial Development Framework: Region B.

Ekurhuleni Local Municipality, 2018/2018. City of Ekurhuleni Integrated Development Plan 2016-2021.

Geohydrological Map Sheet 2526: Johannesburg 1:500 000.

Mucina, L. and Rutherford, M.C. (eds.), 2006. The vegetation of South Africa, Lesotho and Swaziland. *Strelitzia* 19. South African National Biodiversity Institute, Pretoria.

South African National Biodiversity Institute, 2017. Biodiversity GIS, accessed on 10 October 2018.

Western Cape Department of Environmental Affairs and Development Planning, 2010. EIA Guideline and Information Document Series. Guideline on Alternatives. August 2010.

www.sahra.org.za/sahris/map/palaeo, accessed on 10 October 2018.

www.windfinder.com/windstatistics/Johannesburg_or_tambo_airport, accessed on 10 October 2018.

SECTION A: ACTIVITY INFORMATION

1. PROPOSAL OR DEVELOPMENT DESCRIPTION

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

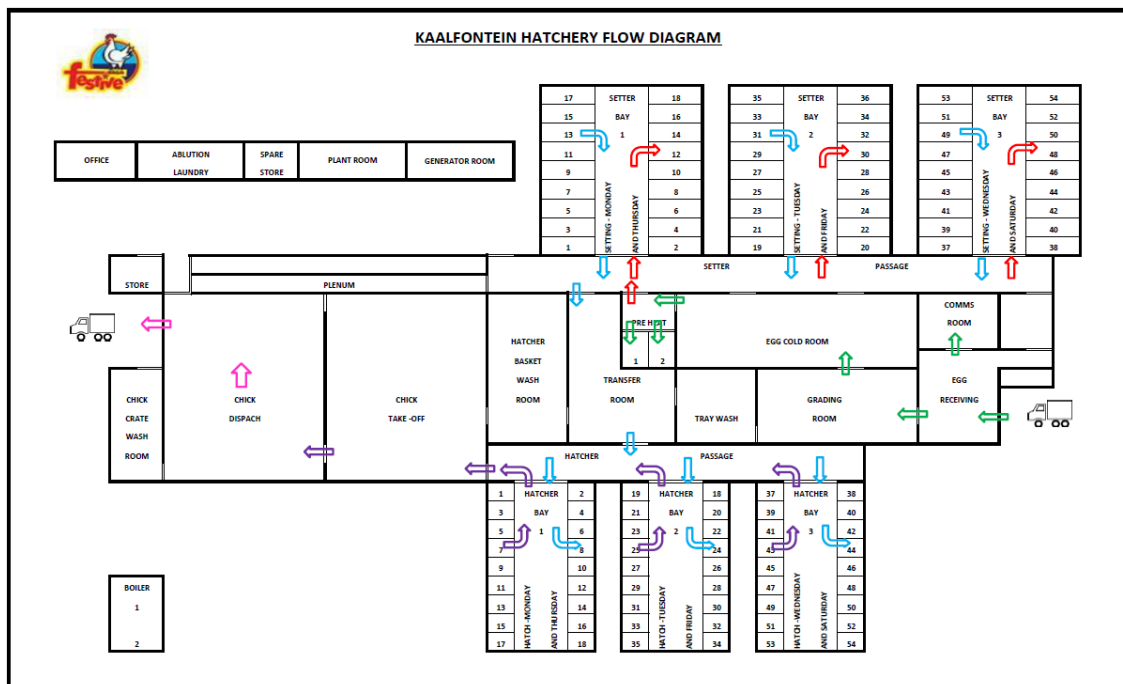
Expansion of the Festive Kaalfontein Hatchery (Gaut: 002/18-19/E0221).

Current operations and existing buildings on site

Astral Operations Limited is a leading, South African integrated poultry producer. Key activities consist of animal feed pre-mixes, manufacturing of animal feeds, broiler genetics, production and the sale of day-old chicks.

The Festive Kaalfontein Hatchery currently has a throughput capacity of 1 617 408 chicks per week (at an 80% hatch rate) and consists of three (3) Setter Rooms and three (3) Hatcher Rooms, together with associated infrastructure such as offices, internal roads, parking space, manager's houses, boiler, water reservoirs, a sewage pump station, sewage mains and wastewater collection ponds. The total staff compliment is 125 personnel with 8 staff members working the night shift and 117 staff members working the day shift. The hatchery is operational six (6) days a week (Mondays to Saturdays).

Please refer to the image below for an illustration of the hatchery flow diagram:



The process at the hatchery can be summarised as follows:

1. Fertilised eggs are received from Layer Farms three to four days after they have been laid by the hens;
2. The eggs are graded and transferred into a cold room;
3. From the cold room, the eggs are taken into Setter Bays (rooms). This "setting" of eggs in the Setter Bays occurs two days per week;
4. The Setter Bays are incubators where the eggs are incubated at temperatures and humidity levels that mimic natural conditions. The eggs are also turned, as a hen would turn an egg in nature;
5. After 18.5 days, the eggs are removed from the Setter Bays and screened in order to remove any unfertilised eggs. The Fertilised eggs are vaccinated against poultry diseases and taken to the Hatcher Bays (rooms) in hatcher baskets;
6. The next day, the chicks hatch whilst in the Hatcher Bays;
7. The chicks are screened to separate them from the broken shell pieces and unhatched eggs;
8. The chicks are classified as male and female and loaded into transportation crates/boxes;
9. The day-old chicks are transported off site to Broiler and/or Layer Farms where they are raised for slaughter or to lay eggs, respectively.

Trays, baskets and crates used in the process are continuously washed and disinfected.

Proposed project

The proposed expansion of the Festive Kaalfontein Hatchery from 1 617 408 chicks per week (at full capacity and 80%

hatch rate) to 2 515 968 chicks per week (at full capacity and 80% hatch rate). The hatchery will remain operational at six (6) days a week (Mondays to Saturdays).

The following is proposed:

- Three new setter rooms will be built;
- Three new hatcher rooms will be built;
- New 18 strand electric fence;
- The fenced area of the hatchery will be increased from 2.8618ha to 3.5ha;
- The number of parking bays will be increased from 18 to 40 bays and a new truck parking area will be built;
- The footprint size of the hatchery buildings will be increased from 7 437m² to 10 000m²;
- Internal roads will be increased from 8 224m² to 10 110m² and two concrete turning circles will be incorporated into the internal roads (one north of the hatchery and one south of the hatchery);
- Housing onsite will be increased from 640m² to 860m²;
- A new 225kL sewer pump station will be built;
- The sewer rising main will be changed from 700m (with a 50-80mm pipe) to 700m (with 2 x new HDPE 75mm pipes);
- The water storage capacity (in onsite reservoirs) will be increased from 180kL to 589kL through the construction of a new 409kL circular zincalume steel reservoir;
- A transit facility of 600m² will be built;
- Extension of the existing ablution facilities;
- Two new spray races (120m²) and a guard house will be built;
- A wash bay will be built; and
- New interlocking paved access roads will be built from the existing access road into the northern and southern parts of the hatchery facility.

The project site is the Remaining extent of Portion 7 of the Farm Hartebeestfontein 17 - IR. The Festive Kaalfontein Hatchery is currently operational at the project site.

The project property is 1 720 181m²/172.0181ha in total. The development footprint would be 6 382m², should the development be approved.

The existing water supply to the hatchery will continue to be utilised. Water is obtained from the East Rand Water Care Company. Water usage is projected to increase from ±2 200kL per month to 3 300kL should the expansion be authorised.

The existing municipal sewage conveyance system from the hatchery will continue to be utilised.

The existing electricity supply to the hatchery will continue to be utilised.

The hatchery currently produces 87 629kg of waste on average per month. After the expansions, the hatchery would produce 131 444kg of waste on average per month.

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?

YES	NO
X	

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

National Heritage Resources Act, Act 25 of 1999 Competent Authority: South African Heritage Resources Agency (SAHRA)

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

If yes, have you received approval(s)? (attach in appropriate appendix) **Not applicable**

YES	NO X
YES	NO

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).	Provincial: Gauteng Department of Agriculture and Rural Development	27 November 1998
National Environmental Management Act, 1998 (Act No. 107 of 1998) Amendments to the Environmental Impact Assessment Regulations, 2014 (GN No. 326 of 7 April 2017)	Provincial: Gauteng Department of Agriculture and Rural Development	7 April 2017
National Environmental Management Act, 1998 (Act No. 107 of 1998) Amendments to the Environmental Impact Assessment Regulations Listing Notice 1 of 2014 (GN No. 327 of 7 April 2017)	Provincial: Gauteng Department of Agriculture and Rural Development	7 April 2017
National Environmental Management Act, 1998 (Act No. 107 of 1998) Amendments to the Environmental Impact Assessment Regulations Listing Notice 3 of 2014 (GN No. 324 of 7 April 2017)	Provincial: Gauteng Department of Agriculture and Rural Development	7 April 2017
National Heritage Resources Act, Act 25 of 1999	South African Heritage Resources Agency (SAHRA)	14 April 1999

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

Legislation, policy or guideline	Description of compliance
National Environmental Management Act, 1998 (Act No. 107 of 1998, as amended).	This application for Environmental Authorisation and a Basic Impact Assessment process has been lodged in order to comply with the requirements of NEMA, 1998, as amended.
National Environmental Management Act, 1998 (Act No. 107 of 1998) Amendments to the Environmental Impact Assessment Regulations, 2014 (GN No. 326 of 7 April 2017)	This application for Environmental Authorisation and a Basic Impact Assessment process has been lodged in order to comply with the requirements of the EIA Regulations, as amended.
National Environmental Management Act, 1998 (Act No. 107 of 1998) Amendments to the Environmental Impact Assessment Regulations Listing Notice 1 of 2014 (GN No. 327 of 7 April 2017)	This application for Environmental Authorisation and a Basic Impact Assessment process has been lodged in order to comply with the requirements of the EIA Regulations, as amended.
National Environmental Management Act, 1998 (Act No. 107 of 1998) Amendments to the Environmental Impact Assessment Regulations Listing Notice 3 of 2014 (GN No. 324 of 7 April 2017)	This application for Environmental Authorisation and a Basic Impact Assessment process has been lodged in order to comply with the requirements of the EIA Regulations, as amended.
National Heritage Resources Act, Act 25 of 1999	Labesh has initiated discussions with an Archaeologists in terms of the requirements from SAHRA. It is expected that a letter motivating for exemption from having to undertake any further heritage assessments will in due course be submitted to SAHRA by the specialist.

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

Not applicable – No feasible alternatives could be identified for the proposed expansion project.

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	Proposal	Expansion of the existing Festive Kaalfontein Hatchery.
2	Alternative 1	No feasible alternatives could be identified for the proposed expansion project.

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

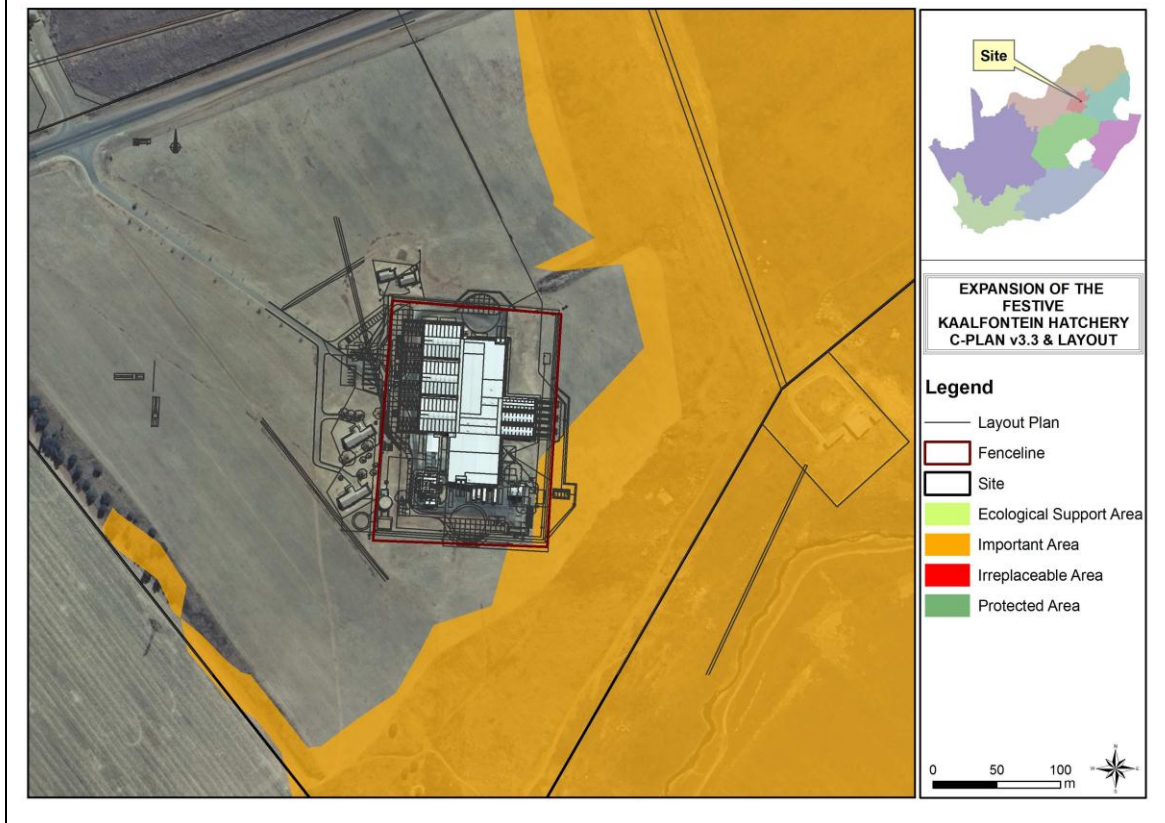
No feasible alternatives could be identified for the proposed expansion project. Technology and design alternatives, in terms of using solar or gas energy instead of coal have been considered during the design phase for the proposed development and were found to be unfeasible due to financial constraints. Rainwater harvesting was also found to currently be financially unfeasible. Water is obtained from ERWAT and not from boreholes for use at the hatchery.

As the proposed development is the expansion of an existing hatchery, no property alternatives could be considered.

The applicant has determined the most appropriate and practical layout for the infrastructure associated with the proposed expansion project. No design/layout alternatives could therefore be considered.

Optimal use of the project property is proposed and the applicant has determined the optimal scale and magnitude of the expansion project, in order to provide the desired increase in throughput capacity of the hatchery. Optimal use is also made of the existing open spaces within the current fence line, with the additional of certain areas on the north, west, south and east of the hatchery where the fences will need to be extended to accommodate the proposed expansion activities. No scale and magnitude alternatives could therefore be considered.

According to the Gauteng C-Plan 3.3, the majority of the project site does not lie within a Critical Biodiversity- or Ecological Support Area. As shown on the figure below, the south-eastern part of the project site lies within a Critical Biodiversity Area (Important Area). Construction activities have been concentrated on areas that are not designated as a Critical Biodiversity Areas. Sections of the new 75mm HDPE rising mains pipes, a portion of the new electric fence and the new 225kL sewer pump station will need to be constructed in the area of the south-eastern corner of the current fence line, which is designated as a Critical Biodiversity Area (Important Area). This area is, however, also in a disturbed state (i.e. planted grass) (please refer to the photographs below).





Festive Kaalfontein Hatchery





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:

6 382m²

Alternatives:

Alternative 1 (if any)

N/A

Alternative 2 (if any)

N/A

Ha/ m²

or, for linear activities: **Not applicable – the proposed development is not a linear activity**

Length of the activity:

Proposed 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):

Size of the site/servitude:

Proposed activity

1 720 181m²

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 NO

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

m

Describe the type of access road planned:

Not applicable

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 – Not applicable

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

YES	NO
-----	----

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

m	
---	--

Describe the type of access road planned:

Not applicable

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 – Not applicable

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

YES	NO
-----	----

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

m	
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Describe the type of access road planned:

Not applicable

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

Number of times

(only complete when applicable)

6. LAYOUT OR ROUTE PLAN - SEE APPENDIX A FOR RELEVANT LAYOUT PLANS

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 - SEE APPENDIX B FOR 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 - SEE APPENDIX C FOR FACILITY ILLUSTRATIONS

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.)

Property description: Remaining extent of Portion 7 of the Farm Hartebeestfontein 17 – IR

Physical address: R25 (Bronkhorstspruit/Bapsfontein), east of the R21 highway. The project location is ±5km to the east of Tembisa, in the City of Ekurhuleni 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):
-26.026650°	28.289617°

In the case of linear activities: **Not applicable**

Alternative:

Latitude (S):	Longitude (E):

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

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	1	R	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
ALT. 1	N/A																				7

3. GRADIENT OF THE SITE

Indicate the general gradient of the site.

Flat	1:50 – 1:20 X	1:20 – 1:15 X	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 X	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)

The depth to the groundwater is at least 15.2 metres below ground level (Geotechnical Investigation).

Dolomite, sinkhole or doline areas

Seasonally wet soils (often close to water bodies)

According to the SANBI Biodiversity GIS Database, there are no wetlands at the development site itself.

Unstable rocky slopes or steep slopes with loose soil

Dispersive soils (soils that dissolve in water)

Soils with high clay content (clay fraction more than 40%)

xHu26 - Red apedal sandy loam/sandy clay loam of variable depth (300-1200mm), mesotrophic

Any other unstable soil or geological feature

An area sensitive to erosion

YES	NO X
YES X	NO
YES	NO X
YES	NO X
YES	NO X
YES	NO X
YES	NO X
YES	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)

YES	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) **None that are known of**

YES	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) **None that are known of**

YES	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)? **Refer to the map of the site, under Appendix A**

YES X	NO
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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 % = 0	Natural veld with scattered aliens % = 0	Natural veld with heavy alien infestation % = 0	Veld dominated by alien species % = 0	Landscaped (vegetation) % = 64%
Sport field % = 0	Cultivated land % = 0	Paved surface (hard landscaping) % = 14%	Building or other structure % = 21%	Bare soil % = 1

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

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

If YES, specify and explain:

Not applicable

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.

None observed at the hatchery. It is unknown what species are present outside of the hatchery fence line and within and towards the wetland that is south of the project property.

If YES, specify and explain:

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

YES X	NO
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If YES, specify and explain:

The south-eastern part of the site is designated as a Critical Biodiversity Area: Important Area, in terms of the Gauteng C-Plan. However, the site is disturbed and consists of planted grass in this area of the site.

Was a specialist consulted to assist with completing this section

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

If yes complete specialist details

Name of the specialist:

Qualification(s) of the specialist:

Postal address:

Postal code:

Telephone:

E-mail:

Cell:

Fax:

Are any further specialist studies recommended by the specialist?

YES	NO
-----	----

If YES, specify:

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

YES	NO
-----	----

If YES list the specialist reports attached below

Signature of specialist: _____

Date: _____

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

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 site is situated within the City of Ekurhuleni Metropolitan Municipality, Gauteng. The municipality was formed through the amalgamation of 11 East Rand local authorities in 2000. The former local administrations/councils were for Alberton, Benoni, Boksburg, Brakpan, Edenvale/Lethabong, Germiston, Kempton Park/Tembisa, Nigel and Springs, the Kyalami Metropolitan Council and the Eastern Gauteng Services Council. The municipality covers a vast area from Germiston in the west to Springs and Nigel in the east. The municipality is one of six Metropolitan Municipalities.

The Ekurhuleni Metropolitan economy is larger and more diverse than that of many of the smaller countries in Africa, including all the countries in Southern Africa. It accounts for nearly a quarter of the Gauteng economy, which in turn contributes over a third of the national GDP. Ekurhuleni contributes $\pm 7\%$ to the country's spending power and $\pm 7.4\%$ to the nation's production. In most respects – per capita income, unemployment, poverty, average wages and other indicators of human development - it is similar to the rest of Gauteng. However, there is one important structural difference: many of the plants for production of goods and commodities are located in Ekurhuleni. Manufacturing in Ekurhuleni accounts for just under 20% of the GDP of Gauteng. In Ekurhuleni itself, manufacturing accounts for some 28% of total production. Because of the largest concentration of industry in the whole of South Africa (and in Africa), Ekurhuleni is often referred to as "Africa's Workshop". The OR Tambo International Airport is also situated within the municipality.

Ekurhuleni has a significant and large local economy (Ekurhuleni Local Municipality, 2005). The structure of the economy is dominated by four sectors: manufacturing; finance and business services; community services and general government; and to a lesser extent the trade and hospitality sector. Over the past 15 years, major structural shifts have occurred in the structure of the economy, principally involving the decline of the dominance of the manufacturing sector (a decline from 30.3% in 2000 to 22.7% in 2015) and a comparable increase of the contribution of the finance and business services sector (an increase from 14.8% in 2011 to 21.3% in 2015). The continuing decline of the manufacturing sector is a big challenge for the municipality and for that reason the revitalization of the manufacturing sector is a key strategic focus area for the municipality (Ekurhuleni, 2018/2019 review).

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? **Uncertain.**

YES	NO
-----	----

If YES, explain:

Uncertain.

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:

None. No specialist appointed as yet.

Will any building or structure older than 60 years be affected in any way?

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

YES	NO X
YES X	NO

If yes, please attached the comments from SAHRA in the appropriate Appendix

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?

YES X | NO

If yes, has any comments been received from the local authority?

YES X | NO

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

(Comments and responses for the previous Environmental Authorisation application; comments and responses for this current application will be included in the final Basic Assessment Report)

Comments from the Local Authority on the initial Public Participation process (notification of potential Interested and Affected Parties):

Mr Jerry Chaka
Division Head: Environmental Health - City of Ekurhuleni – Health and Social Development Department
18-10-2018 via Email

SUBJECT: Environmental Authorisation Application for the following project: Expansion of the Festive Kaalfontein Hatchery (Remaining extent of Portion 7 of the Farm Hartebeestfontein 17 – IR)

There is no objection from an Environmental Health point of view for the expansion of the above-mentioned property provided the following are applicable to the property and activities thereon:

1. All applicable Environmental Health Legislation are complied with at all times and the causing, allowing or permitting of a Health Nuisance or Health Hazard on the property is prohibited.
2. The premises shall be designed and constructed in accordance with the National Building Regulation and Building Standards Act (Act No. 103 of 1977) as amended, and provide the sanitary and ablution facilities required by said Act and Regulations.
3. The Tobacco Products Control Act, Act 83 of 1993, as amended and Regulation R975, Notice Relating to Smoking of Tobacco Products in Public Places, 29 September 2000, applies. All indoor or partially enclosed areas shall be non-smoking unless an approved smoking room complying with the above Regulations is provided.
4. The Foodstuffs Cosmetics And Disinfectants Act, 1972 (Act No. 54 of 1972) as amended and Regulation R638 of 22 June 2018, Regulations Governing General Hygiene Requirements For Food Premises And The Transport Of Food promulgated under said Act shall be complied with and application shall be made to Environmental Health for a Certificate of Acceptability under the Regulation.
5. The premises shall be designed, equipped and operated as per the requirements of the National Environmental Health Norms and Standards for Premises and Acceptable Monitoring Standards For Environmental Health Practitioners, Notice 1229 of 24 December 2015, promulgated under the National Health Act, 2003 (Act No. 61 of 2003).
6. The premises shall be designed, equipped and operated as per the requirements of the Ekurhuleni Metropolitan Municipality Public Health By-Laws, Local Authority Notice 1908 of 27 November 2009, Chapter 13, and application shall be made to the Environmental Health section for a Public Health Permit.
Comments noted.

EAP's response:

The Municipality's requirements have been included in the Environmental Management Programme for this proposed development.

Comments from the Local Authority on the Draft Basic Assessment Report's Public Participation process:

Ms F. Mabindisa
Head of the Department: Environmental Resource and Waste Management - City of Ekurhuleni
01-02-2019 via Email

Subject: COMMENTS ON THE DRAFT BASIC ASSESSMENT REPORT FOR THE PROPOSED EXPANSION OF THE FESTIVE KAALFONTEIN HATCHERY, REMAINING EXTENT OF PORTION 7 OF THE FARM HARTEBEESTFONTEIN 17- IR, CITY OF EKURHULENI (GAUT 002/18-1 9/E0124)

Your Draft Basic Assessment Report, received 11 December 2018 refers.

Herewith kindly find comments by the City of Ekurhuleni.

Comments from Environmental Resource and Waste Management Department, Legislative Compliance Division:

1. The Environmental Resource Management Department in rendering its comments assessed the environmental parameters/constraints of the property against the following environmental Management tools:
 - 1.1. Provincial Environmental Management Framework, 2015
 - 1.2. Ekurhuleni Biodiversity and Open Space Strategy (EBOSS), 2008
 - 1.3. The Ekurhuleni Bioregional Plan, 2012

1.4. Applicable Environmental Legislation

2. Based on the above tools and the information contained in the application, the department comment as follows:
 - 2.1. The Department supports the proposed construction of the proposed extension of the Festive Kaalfontein Hatchery, which includes the following:
 - 2.1.1. Construction of three new setter rooms;
 - 2.1.2. Construction of three new hatcher rooms;
 - 2.1.3. Construction of a new 18 strand electric fence;
 - 2.1.4. Construction of additional parking bays as well as a new truck parking bay;
 - 2.1.5. Increased footprint size of the hatchery buildings from 7 437m² to 10 000m²;
 - 2.1.6. Increase internal roads from 8 224m² to 10 110m² as well as two concrete turning circles that will be incorporated into the internal roads (north and south of the hatchery);

- 2.1.7. Housing onsite will be increased from 640m² to 860m²;
- 2.1.8. Construct a new 225kL sewer pump station;
- 2.1.9. Amendment of the existing sewer rising main from 700m (with a 50-80mm Pipe) to 700m (with 2 x new HDPE 75mm Pipes);
- 2.1.10. Onsite reservoirs will be increased from 180kL to 589kL through the construction of a new 409kL circular zincalume steel reservoir;
- 2.1.11. Construct a transit facility of 600m²;
- 2.1.12. Extension of the existing ablution facilities;
- 2.1.13. Construction of two new Spray races (120m²) and a guard house;
- 2.1.14. Construction of a wash bay; and
- 2.1.15. Construction of new interlocking paved access roads from the existing access road into the northern and southern parts of the hatchery facility.

2.2. The site proposed development consist of "Critical Biodiversity Areas" (CBA), "Other Natural Areas" and "No Natural Remaining", in terms of the Bioregional Plan 2012. Only a small portion of the new proposed development area fall within CBA2 area, which is also identified as a "Primary Open Space" for ecological sensitive areas.

2.3. The proposed development sites has ecological and agricultural development constraint with a moderate/low ecological Sensitivity rating.

2.4. The Gauteng EMF indicate that the proposed development area falls within the following zone:

2.4.1. Zone 4, Normal Control Zone.

2.5. The site is located within the regulatory zone (500m) of a channeled valley-bottom wetland. The DBAR does not indicate that an application for a Water Use License has been submitted to the National Department of Water and Sanitation for the proposed activities, i.e rising main and new Sewer pump station. A copy of the application / formal correspondence from the competent authority must be made available.

2.6. The Facilities Illustrations (Appendix C), should be amended to ensure that all proposed infrastructure / line routes etc. are included on the legend.

2.7. Measures must be put in place, i.e. sumps / cut off drains, to ensure that no effluent / contaminant enter the Stormwater system or adjacent wetland.

2.8. Recommendation contained in the following reports must be implemented on Site:

2.8.1. Comments received from the Health & Social Development Department of the City OF Ekurhuleni, Mr Jerry Chaka, 18 October 2018;

2.8.2. Letter from the South African Heritage Resource Agency (SAHRA), Mr Andrew Salomon, 15 November 2018; and

2.8.3. Environmental Management Programme, Labesh, December 2018.

Comments from City Planning Department — Spatial Planning Division:

There is therefore no objection to the proposed use in terms of the current zoning.

1. The Property is Zoned "Agriculture" in terms of the Ekurhuleni Town Planning Scheme 2014.

2. It must be noted that this property is within the Urban Development Boundary and may in future be developed for urban / residential uses as indicated in the MSDF & Region B RSDF 2015.

All activities to be undertaken on the said Property must be in accordance with all applicable By-Laws, policies and requirements of the Ekurhuleni Metropolitan Municipality.

It should be noted that, in terms of Section 24F of the NEMA, Act No 107 of 1998, as amended, no listed activity may commence prior to an environmental authorization being granted by the competent authority.

EAP's response:

Good day

We hereby acknowledge receipt of the City of Ekurhuleni's comments, submitted via email on 1 February 2019. Herewith please find our response to the comments that the Municipality has raised:

Comments from Environmental Resource and Waste Management Department, Legislative Compliance Division:

Point 1 – Noted.

Point 2.1 – Noted.

Point 2.2 – Noted.

Point 2.3 – Noted.

Point 2.4 – Noted.

Point 2.5 – It will be confirmed, in conjunction with a wetland specialist and by way of a Risk Assessment (as per the Department of Water and Sanitation's requirements) whether a Water Use Licence application is required for the proposed activities within 500m of the wetland. The necessary process will then be followed.

Point 2.6 – The legend of the Facility Illustration will be amended, as requested. The amended Facility Illustration will be provided once it has been received.

Point 2.7 – This recommendation has been incorporated into the Environmental Management Programme for the proposed development, under both the “Surface and Groundwater” section (this includes Stormwater management) and the “Wetlands” section.

Point 2.8 – Noted.

Comments from City Planning Department — Spatial Planning Division:

Point 1 – Noted.

Point 2 – Noted.

The Municipality’s comments and our response above have been incorporated into the Comments and Responses Report and Basic Assessment Report for this project.

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

Not applicable.

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?

YES	NO
X	

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

(Comments for the previous Environmental Authorisation application; comments for this current application will be included in the final Basic Assessment Report)

Caroline Msibi - Gauteng Department of Human Settlements
15-10-2018 via Email

Dear Sir/Madam,

This serves to acknowledge with thanks receipt of your email, and it shall be brought in the attention of the HOD.

Kind Regards

Caroline Msibi
Personal Assistant : Office of Head of Department
Gauteng Department of Human Settlements
Tel: +27 11 355 4800 Cell: +27 (72) 199 9484
Email: caroline.msibi@gauteng.gov.za

Anél Hietbrink - City OF Ekurhuleni - Environmental Resource and Waste Management Department
18-10-2018 via Email

Good day Lourens,

Thank you for the notification.

Please register the Environmental Resource and Waste Management Department of the City OF Ekurhuleni as an I&AP.

The Environmental Resource and Waste Management Department requires one (1) hard copy and one (1) soft copy of the reports to be delivered to our offices.

The reports may be submitted to the following address:

Attention: Divisional Head – Legislative Compliance
Environmental Resource & Waste Management Department
City OF Ekurhuleni
Edenvale Civic Centre
cnr Hendrik Potgieter and Van Riebeeck Street
Edenvale
C/O Sifiso Ndwandwe (room 201)

Kind Regards,

Anél Hietbrink
Environmental Assessment Practitioner
Legislative Compliance
Department of Environmental Resource and Waste Management

Andrew Salomon - South African Heritage Resources Agency (SAHRA)
15-11-2018 via the SAHRIS website

CaseID: 13030
In terms of Section 38 of the National Heritage Resources Act (Act 25 of 1999)

Attention: Festive - A Division of Astral Operations Limited

The proposed expansion of the Festive Kaalfontein Hatchery from 1 617 408 chicks per week (at full capacity and 80% hatch rate) to 2 515 968 chicks per week (at full capacity and 80% hatch rate).

Thank you for your notification regarding this development.

In terms of the National Heritage Resources Act, no 25 of 1999, heritage resources, including archaeological or palaeontological sites over 100 years old, graves older than 60 years, structures older than 60 years are protected. They may not be disturbed without a permit from the relevant heritage resources authority. This means that prior to development it is incumbent on the developer to ensure that a Heritage Impact Assessment is done. This must include the archaeological component (Phase 1) and any other applicable heritage components. Appropriate (Phase 2) mitigation, which involves recording, sampling and dating sites that are to be destroyed, must be done as required.

The quickest process to follow for the archaeological component is to contract an accredited specialist (see the web site of the Association of Southern African Professional Archaeologists www.asapa.org.za) to provide a Phase 1 Archaeological Impact Assessment Report. This must be done before any large development takes place.

The Phase 1 Impact Assessment Report will identify the archaeological sites and assess their significance. It should also make recommendations (as indicated in section 38) about the process to be followed. For example, there may need to be a mitigation phase (Phase 2) where the specialist will collect or excavate material and date the site. At the end of the process the heritage authority may give permission for destruction of the sites.

Where bedrock is to be affected, or where there are coastal sediments, or marine or river terraces and in potentially fossiliferous superficial deposits, a Palaeontological Desk Top study must be undertaken to assess whether or not the development will impact upon palaeontological resources - or at least a letter of exemption from a Palaeontologist is needed to indicate that this is unnecessary. If the area is deemed sensitive, a full Phase 1 Palaeontological Impact Assessment will be required and if necessary a Phase 2 rescue operation might be necessary. Please note that a nationwide fossil sensitivity map is now available on SAHRIS to assist applicants with determining the fossil sensitivity of a study area.

If the property is very small or disturbed and there is no significant site the heritage specialist may choose to send a letter to the heritage authority motivating for exemption from having to undertake further heritage assessments.

Any other heritage resources that may be impacted such as built structures over 60 years old, sites of cultural significance associated with oral histories, burial grounds and graves, graves of victims of conflict, and cultural landscapes or viewsapes must also be assessed.

Should you have any further queries, please contact the designated official using the case number quoted above in the case header.

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

Not applicable.

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 X	NO
-------	----

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

24m ²

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

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

Will the activity produce solid waste during its operational phase?

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

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

131 444 kg

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

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 X	NO
-------	----

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

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 X	NO
-------	----

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

No scoping and EIA listed activities are applicable to this application.

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

YES	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.

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

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?

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

If yes, what estimated quantity will be produced per month? **Not applicable**

If yes, has the municipality confirmed that sufficient capacity exist for treating / disposing of the

YES	NO
-----	----

liquid effluent to be generated by this activity(ies)? **Not applicable**

--	--

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

Yes	NO X
-----	-------------

 If yes, what estimated quantity will be produced per month? **Not applicable**

	m ³
--	----------------

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

Not applicable

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?

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

If yes, provide the particulars of the facility:
 Facility name: ERWAT: East Rand Water Care Company - Hartebeestfontein
 Contact person: Fortune Mabunda
 Postal address: PO Box 13106, Norkem Park
 Postal code: 1631
 Telephone: 011 929 7000/7070/7051 Cell: 011 929 7000
 E-mail: Email Fax: 011 929 7031

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

Effluent will be piped to the ERWAT wastewater treatment plant where it is treated for later re-use.
--

Liquid effluent (domestic sewage)

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

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

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

	m ³
--	----------------

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

YES	NO
-----	----

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

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

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

Domestic waste (sewage) is disposed of using an existing French drain system.

Emissions into the atmosphere

Will the activity release emissions into the atmosphere?

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

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

YES	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:

- Generation of dust from construction activities and vehicles.
- Generation of emissions, such as carbon dioxide, carbon monoxide, sulphur dioxide and nitrous oxides, from coal hot water boiler. The boiler is 3MW and therefore not a controlled emitter.

2. WATER USE

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

municipal	Directly from water board	groundwater	river, stream, dam or lake	Other X ERWAT	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: **Not applicable**

	liters
--	--------

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?

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

If yes, list the permits required

Not applicable

If yes, have you applied for the water use permit(s)? **Not applicable**

YES	NO
-----	----

 If yes, have you received approval(s)? (attached in appropriate appendix) **Not applicable**

YES	NO
-----	----

3. POWER SUPPLY

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

Eskom.

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

A power supply is available to the hatchery.
--

4. ENERGY EFFICIENCY

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

The hatchery buildings will be well insulated, in order to optimize temperature control within the buildings. This will result in less energy being used to keep the buildings at the required temperatures.

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

Technology and design alternatives, in terms of using solar or gas energy instead of coal have been considered during the design phase for the proposed development and were found to be unfeasible due to financial constraints.

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.

(Comments for the previous Environmental Authorisation application; comments for this current application will be included in the final Basic Assessment Report)

Mr Jerry Chaka

Division Head: Environmental Health - City of Ekurhuleni – Health and Social Development Department
18-10-2018 via Email

SUBJECT: Environmental Authorisation Application for the following project: Expansion of the Festive Kaalfontein Hatchery (Remaining extent of Portion 7 of the Farm Hartebeestfontein 17 – IR)

There is no objection from an Environmental Health point of view for the expansion of the above-mentioned property provided the following are applicable to the property and activities thereon:

1. All applicable Environmental Health Legislation are complied with at all times and the causing, allowing or permitting of a Health Nuisance or Health Hazard on the property is prohibited.
2. The premises shall be designed and constructed in accordance with the National Building Regulation and Building Standards Act (Act No. 103 of 1977) as amended, and provide the sanitary and ablution facilities required by said Act and Regulations.
3. The Tobacco Products Control Act, Act 83 of 1993, as amended and Regulation R975, Notice Relating to Smoking of Tobacco Products in Public Places, 29 September 2000, applies. All indoor or partially enclosed areas shall be non-smoking unless an approved smoking room complying with the above Regulations is provided.
4. The Foodstuffs Cosmetics And Disinfectants Act, 1972 (Act No. 54 of 1972) as amended and Regulation R638 of 22 June 2018, Regulations Governing General Hygiene Requirements For Food Premises And The Transport Of Food promulgated under said Act shall be complied with and application shall be made to Environmental Health for a Certificate of Acceptability under the Regulation.
5. The premises shall be designed, equipped and operated as per the requirements of the National Environmental Health Norms and Standards for Premises and Acceptable Monitoring Standards For Environmental Health Practitioners, Notice 1229 of 24 December 2015, promulgated under the National Health Act, 2003 (Act No. 61 of 2003).
6. The premises shall be designed, equipped and operated as per the requirements of the Ekurhuleni Metropolitan Municipality Public Health By-Laws, Local Authority Notice 1908 of 27 November 2009, Chapter 13, and application shall be made to the Environmental Health section for a Public Health Permit.

Andrew Salomon - South African Heritage Resources Agency (SAHRA)
15-11-2018 via the SAHRIS website

CaseID: 13030

In terms of Section 38 of the National Heritage Resources Act (Act 25 of 1999)

Attention: Festive - A Division of Astral Operations Limited

The proposed expansion of the Festive Kaalfontein Hatchery from 1 617 408 chicks per week (at full capacity and 80% hatch rate) to 2 515 968 chicks per week (at full capacity and 80% hatch rate).

Thank you for your notification regarding this development.

In terms of the National Heritage Resources Act, no 25 of 1999, heritage resources, including archaeological or palaeontological sites over 100 years old, graves older than 60 years, structures older than 60 years are protected. They may not be disturbed without a permit from the relevant heritage resources authority. This means that prior to development it is incumbent on the developer to ensure that a Heritage Impact Assessment is done. This must include the archaeological component (Phase 1) and any other applicable heritage components. Appropriate (Phase 2) mitigation, which involves recording, sampling and dating sites that are to be destroyed, must be done as required.

The quickest process to follow for the archaeological component is to contract an accredited specialist (see the web site of the Association of Southern African Professional Archaeologists www.asapa.org.za) to provide a Phase 1 Archaeological Impact Assessment Report. This must be done before any large development takes place.

The Phase 1 Impact Assessment Report will identify the archaeological sites and assess their significance. It should also make recommendations (as indicated in section 38) about the process to be followed. For example, there may need to be a mitigation phase (Phase 2) where the specialist will collect or excavate material and date the site. At the end of the process the heritage authority may give permission for destruction of the sites.

Where bedrock is to be affected, or where there are coastal sediments, or marine or river terraces and in potentially fossiliferous superficial deposits, a Palaeontological Desk Top study must be undertaken to assess whether or not the development will impact upon palaeontological resources - or at least a letter of exemption from a Palaeontologist is needed to indicate that this is unnecessary. If the area is deemed sensitive, a full Phase 1 Palaeontological Impact Assessment will be required and if necessary a Phase 2 rescue operation might be necessary. Please note that a nationwide fossil sensitivity map is now available on SAHRIS to assist applicants with determining the fossil sensitivity of a study area.

If the property is very small or disturbed and there is no significant site the heritage specialist may choose to send a letter to the heritage authority motivating for exemption from having to undertake further heritage assessments.

Any other heritage resources that may be impacted such as built structures over 60 years old, sites of cultural significance associated with oral histories, burial grounds and graves, graves of victims of conflict, and cultural landscapes or viewsapes must also be assessed.

Should you have any further queries, please contact the designated official using the case number quoted above in the case header.

Ms F. Mabindisa

Head of the Department: Environmental Resource and Waste Management - City of Ekurhuleni
01-02-2019 via Email

Subject: COMMENTS ON THE DRAFT BASIC ASSESSMENT REPORT FOR THE PROPOSED EXPANSION OF THE FESTIVE KAALFONTEIN HATCHERY, REMAINING EXTENT OF PORTION 7 OF THE FARM HARTEBEESTFONTEIN 17- IR, CITY OF EKURHULENI (GAUT 002/18-1 9/E0124)

Your Draft Basic Assessment Report, received 11 December 2018 refers.

Herewith kindly find comments by the City of Ekurhuleni.

Comments from Environmental Resource and Waste Management Department, Legislative Compliance Division:

1. The Environmental Resource Management Department in rendering its comments assessed the environmental parameters/constraints of the property against the following environmental Management tools:

- 1.1. Provincial Environmental Management Framework, 2015
- 1.2. Ekurhuleni Biodiversity and Open Space Strategy (EBOSS), 2008
- 1.3. The Ekurhuleni Bioregional Plan, 2012
- 1.4. Applicable Environmental Legislation

2. Based on the above tools and the information contained in the application, the department comment as follows:

2.1. The Department supports the proposed construction of the proposed extension of the Festive Kaalfontein Hatchery, which includes the following:

- 2.1.1. Construction of three new setter rooms;
- 2.1.2. Construction of three new hatcher rooms;
- 2.1.3. Construction of a new 18 strand electric fence;
- 2.1.4. Construction of additional parking bays as well as a new truck parking bay;
- 2.1.5. Increased footprint size of the hatchery buildings from 7 437m² to 10 000m²;
- 2.1.6. Increase internal roads from 8 224m² to 10 110m² as well as two concrete turning circles that will be incorporated into the internal roads (north and south of the hatchery);
- 2.1.7. Housing onsite will be increased from 640m² to 860m²;
- 2.1.8. Construct a new 225kL sewer pump station;
- 2.1.9. Amendment of the existing sewer rising main from 700m (with a 50-80mm Pipe) to 700m (with 2 x new HDPE 75mm Pipes);
- 2.1.10. Onsite reservoirs will be increased from 180kL to 589kL through the construction of a new 409kL circular zincalume steel reservoir;
- 2.1.11. Construct a transit facility of 600m²;
- 2.1.12. Extension of the existing ablution facilities;
- 2.1.13. Construction of two new Spray races (120m²) and a guard house;
- 2.1.14. Construction of a wash bay; and
- 2.1.15. Construction of new interlocking paved access roads from the existing access road into the northern and southern parts of the hatchery facility.

2.2. The site proposed development consist of "Critical Biodiversity Areas" (CBA), "Other Natural Areas" and "No Natural Remaining", in terms of the Bioregional Plan 2012. Only a small portion of the new proposed development area fall within CBA2 area, which is also identified as a "Primary Open Space" for ecological sensitive areas.

2.3. The proposed development sites has ecological and agricultural development constraint with a moderate/low ecological Sensitivity rating.

2.4. The Gauteng EMF indicate that the proposed development area falls within the following zone:

- 2.4.1. Zone 4, Normal Control Zone.

2.5. The site is located within the regulatory zone (500m) of a channeled valley-bottom wetland. The DBAR does not indicate that an application for a Water Use License has been submitted to the National Department of Water and Sanitation for the proposed activities, i.e rising main and new Sewer pump station. A copy of the application / formal correspondence from the competent authority must be made available.

2.6. The Facilities Illustrations (Appendix C), should be amended to ensure that all proposed infrastructure / line routes etc. are included on the legend.

2.7. Measures must be put in place, i.e. sumps / cut off drains, to ensure that no effluent / contaminant enter the Stormwater system or adjacent wetland.

2.8. Recommendation contained in the following reports must be implemented on Site:

- 2.8.1. Comments received from the Health & Social Development Department of the City OF Ekurhuleni, Mr Jerry Chaka, 18 October 2018;
- 2.8.2. Letter from the South African Heritage Resource Agency (SAHRA), Mr Andrew Salomon, 15 November 2018; and
- 2.8.3. Environmental Management Programme, Labesh, December 2018.

Comments from City Planning Department — Spatial Planning Division:

There is therefore no objection to the proposed use in terms of the current zoning.

- 1. The Property is Zoned "Agriculture" in terms of the Ekurhuleni Town Planning Scheme 2014.
- 2. It must be noted that this property is within the Urban Development Boundary and may in future be developed for urban / residential uses as indicated in the MSDF & Region B RSDF 2015.

All activities to be undertaken on the said Property must be in accordance with all applicable By-Laws, policies and requirements of the Ekurhuleni Metropolitan Municipality.

It should be noted that, in terms of Section 24F of the NEMA, Act No 107 of 1998, as amended, no listed activity may commence prior to an environmental authorization being granted by the competent authority.

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):

(Responses for the previous Environmental Authorisation application; responses for this current application will be included in the final Basic Assessment Report)

Response to Mr Jerry Chaka - Division Head: Environmental Health - City of Ekurhuleni – Health and Social Development Department:

Comments noted.

The Municipality's requirements have also been included in the Environmental Management Programme for this proposed development.

Any and all comments and responses will be included in the final Basic Assessment Report and have been included in Appendix E.

Response to Andrew Salomon - South African Heritage Resources Agency (SAHRA):

The comments are noted and are being addressed.

Labesh has initiated discussions with an Archaeologists in terms of the requirements from SAHRA. It is expected that a letter motivating for exemption from having to undertake any further heritage assessments will in due course be submitted to SAHRA by the specialist.

Response to Ms F. Mabindisa - Head of the Department: Environmental Resource and Waste Management - City of Ekurhuleni:

Good day

We hereby acknowledge receipt of the City of Ekurhuleni's comments, submitted via email on 1 February 2019. Herewith please find our response to the comments that the Municipality has raised:

Comments from Environmental Resource and Waste Management Department, Legislative Compliance Division:

Point 1 – Noted.

Point 2.1 – Noted.

Point 2.2 – Noted.

Point 2.3 – Noted.

Point 2.4 – Noted.

Point 2.5 – It will be confirmed, in conjunction with a wetland specialist and by way of a Risk Assessment (as per the Department of Water and Sanitation's requirements) whether a Water Use Licence application is required for the proposed activities within 500m of the wetland. The necessary process will then be followed.

Point 2.6 – The legend of the Facility Illustration will be amended, as requested. The amended Facility Illustration will be provided once it has been received.

Point 2.7 – This recommendation has been incorporated into the Environmental Management Programme for the proposed development, under both the “Surface and Groundwater” section (this includes Stormwater management) and the “Wetlands” section.

Point 2.8 – Noted.

Comments from City Planning Department — Spatial Planning Division:

Point 1 – Noted.

Point 2 – Noted.

The Municipality’s comments and our response above have been incorporated into the Comments and Responses Report and Basic Assessment Report for this project.

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

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

Assessing the significance of the potential impacts has been conducted using the following parameters. Direct, indirect and cumulative impacts have been assessed.

The **extent** of the impact: The size (physical/geographical) that will be affected by the impact. The following weighting will be used:

- Onsite: Weighting value **1**: The impact is confined to the project site/property
- Local: Weighting value **2**: The impact is confined to the project site/property and a 10km radius around the project site/property
- Regional: Weighting value **3**: The impact extends further than a 10km radius around the project site/property

The **duration** of the impact: The length of time over which the impact will persist. The following weighting will be used:

- Short term: Weighting value **1**: The impact will persist for up to one year
- Medium term: Weighting value **2**: The impact will persist for longer than one year, but shorter than five years
- Long term: Weighting value **3**: The impact will persist for longer than five years

The **magnitude** of the impact: The intensity of the impact on the environment. The following weighting will be used:

- Low: Weighting value **1**: Natural processes continue, albeit in an altered manner
- Medium: Weighting value **2**: Natural processes cease temporarily
- High: Weighting value **3**: Natural processes cease indefinitely

The **probability** of the impact: How likely it is that the impact will happen. The following weighting will be used:

- Improbable: Weighting value **1**: It is unlikely that the impact will occur
- Probable: Weighting value **2**: There is a chance that the impact will occur
- Definite: Weighting value **3**: The impact will most certainly occur

The **status** of the impact: This will include a qualitative description of the following:

- Whether the impact is **positive** or **negative** in nature
- The degree to which the impact can be reversed
- The degree to which the impact can be mitigated
- The degree to which the impact may cause irreplaceable loss of resources

The **significance** of the impact: This will be calculated using the formula below:

Significance = (Duration + Extent + Magnitude) x Probability

The significance of the impact will be divided into the following classes, based on the result of the above given equation:

- **Low Impact: Weighting value: 1-9**
- **Medium Impact: Weighting value: 10-18**
- **High Impact: Weighting value: 19-27**

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
Planning and Design Phase				
<p>Inadequate planning and design of the hatchery expansion that could result in environmental impacts that could have been avoided.</p> <ul style="list-style-type: none"> The status of the impact: Negative The degree to which the impact can be reversed: Low The degree to which the impact can be mitigated: High The degree to which the impact may cause irreplaceable loss of resources: Medium 	<p>The extent of the impact: 2 The duration of the impact: 3 The magnitude of the impact: 2 The probability of the impact: 1 The significance of the impact: 7 - LOW</p>	<p>Site selection</p> <ul style="list-style-type: none"> The expansion infrastructure should preferably be constructed on an already disturbed site. The expansion infrastructure may not be constructed on a wetland or within a drainage line. The expansion infrastructure must preferably be constructed on a level/flat site. The site must have the correct land use zoning to enable the expansion infrastructure to be constructed and operated. 	<p>The extent of the impact: 1 The duration of the impact: 3 The magnitude of the impact: 1 The probability of the impact: 1 The significance of the impact: 5 - LOW</p>	Low
Pre-construction Phase				
<p>Unauthorised access to the construction site that can pose a risk to the public in terms of their safety.</p> <ul style="list-style-type: none"> The status of the impact: Negative The degree to which the impact can be reversed: Low The degree to which the impact can be mitigated: High The degree to which the impact may cause irreplaceable loss of resources: Medium 	<p>The extent of the impact: 1 The duration of the impact: 1 The magnitude of the impact: 3 The probability of the impact: 2 The significance of the impact: 10 – MEDIUM</p>	<ul style="list-style-type: none"> The construction site must be demarcated (fenced or delineated with danger tape). Permanent demarcation is preferable to prevent the public from gaining access to the site. Signage indicating that the site is a "Construction Site" and indicating the risks associated with the site must be displayed. Emergency numbers, "No-smoking" signs and "No Open Flame" signs must also be displayed at the construction site, where appropriate. Fire-fighting equipment must be placed at the construction site and must be easily accessible. 	<p>The extent of the impact: 1 The duration of the impact: 1 The magnitude of the impact: 2 The probability of the impact: 1 The significance of the impact: 4 - LOW</p>	Low
<p>Unsafe working conditions.</p> <ul style="list-style-type: none"> The status of the impact: Negative The degree to which the impact can be reversed: Low The degree to which the impact can be mitigated: High The degree to which the impact may cause irreplaceable loss of resources: Medium 	<p>The extent of the impact: 1 The duration of the impact: 1 The magnitude of the impact: 3 The probability of the impact: 2 The significance of the impact: 10 – MEDIUM</p>		<p>The extent of the impact: 1 The duration of the impact: 1 The magnitude of the impact: 2 The probability of the impact: 1 The significance of the impact: 4 - LOW</p>	Low
<p>Workers being unaware of the dangers of working at the construction site, resulting in a risk to their safety.</p> <ul style="list-style-type: none"> The status of the impact: Negative The degree to which the impact can be 	<p>The extent of the impact: 1 The duration of the impact: 1 The magnitude of the impact: 3 The probability of the impact: 2 The significance of the impact: 10 – MEDIUM</p>	<ul style="list-style-type: none"> Before any employees or contactors commence work at the hatchery, each individual must undergo an Induction Training session that will cover the aspects as detailed in the Environmental Awareness Plan (contained in the EMP). Attendance registers must be completed and kept on file. 	<p>The extent of the impact: 1 The duration of the impact: 1 The magnitude of the impact: 2 The probability of the impact: 1 The significance of the impact: 4 - LOW</p>	Low

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
<p>reversed: Low</p> <ul style="list-style-type: none"> The degree to which the impact can be mitigated: High The degree to which the impact may cause irreplaceable loss of resources: Medium 		<ul style="list-style-type: none"> Employees and contract workers must be issued with suitable Personal Protective Equipment (PPE), as applicable to each persons' job onsite. 		
Construction Phase				
<p>Pollution of surface and/or groundwater resources due to hydrocarbon spillages or leakages from construction vehicles.</p> <ul style="list-style-type: none"> The status of the impact: Negative The degree to which the impact can be reversed: Medium The degree to which the impact can be mitigated: High The degree to which the impact may cause irreplaceable loss of resources: Medium 	<p>The extent of the impact: 2 The duration of the impact: 2 The magnitude of the impact: 2 The probability of the impact: 2 The significance of the impact: 12 - MEDIUM</p>	<ul style="list-style-type: none"> Spill kits must be onsite to clean up any hydrocarbon spillages. Vehicles should regularly be inspected to ensure that any fuel or oil leaks are repaired. 	<p>The extent of the impact: 2 The duration of the impact: 2 The magnitude of the impact: 2 The probability of the impact: 1 The significance of the impact: 6 - LOW</p>	Low - Medium
<p>Pollution of surface and/or groundwater resources due to spillages from chemical toilets.</p> <ul style="list-style-type: none"> The status of the impact: Negative The degree to which the impact can be reversed: Medium The degree to which the impact can be mitigated: High The degree to which the impact may cause irreplaceable loss of resources: Medium 	<p>The extent of the impact: 2 The duration of the impact: 2 The magnitude of the impact: 2 The probability of the impact: 2 The significance of the impact: 12 - MEDIUM</p>	<ul style="list-style-type: none"> Sufficient ablution facilities must be provided. Chemical toilets must be serviced regularly. Any spillages from the chemical toilets must immediately be cleaned and the contaminated soil disposed of as hazardous waste. 	<p>The extent of the impact: 1 The duration of the impact: 1 The magnitude of the impact: 2 The probability of the impact: 1 The significance of the impact: 4 - LOW</p>	Low
<p>Pollution of surface and/or groundwater resources due to the incorrect management, storage and disposal of construction waste.</p> <ul style="list-style-type: none"> The status of the impact: Negative The degree to which the impact can be reversed: Medium The degree to which the impact can be mitigated: High The degree to which the impact may cause irreplaceable loss of resources: Medium 	<p>The extent of the impact: 2 The duration of the impact: 2 The magnitude of the impact: 2 The probability of the impact: 2 The significance of the impact: 12 - MEDIUM</p>	<ul style="list-style-type: none"> Construction waste must be stored in a designated area. Building rubble must be stored separately from domestic waste. Refuse bins must be provided for domestic waste. Building rubble must be kept clean of plastic and brick ties. The applicant must comply with the Ekurhuleni Metropolitan Municipality – Solid Waste By-Laws, 2001. 	<p>The extent of the impact: 1 The duration of the impact: 1 The magnitude of the impact: 2 The probability of the impact: 1 The significance of the impact: 4 - LOW</p>	Low - Medium
<p>Pollution of surface and/or groundwater resources due to the runoff of contaminated stormwater.</p> <ul style="list-style-type: none"> The status of the impact: Negative 	<p>The extent of the impact: 3 The duration of the impact: 2 The magnitude of the impact: 2 The probability of the impact: 2</p>	<ul style="list-style-type: none"> Storm water must be diverted around areas where there are pollution sources. No contaminated storm water may be released into the environment from 	<p>The extent of the impact: 2 The duration of the impact: 2 The magnitude of the impact: 2 The probability of the impact: 1</p>	Low - Medium

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
<ul style="list-style-type: none"> The degree to which the impact can be reversed: Medium The degree to which the impact can be mitigated: High The degree to which the impact may cause irreplaceable loss of resources: High 	The significance of the impact: 14 - MEDIUM	<ul style="list-style-type: none"> construction activities. Storm water drainage infrastructure must be regularly inspected for obstructions. 	The significance of the impact: 6 - LOW	
<p>Pollution of surface and/or groundwater resources from the mixing of concrete.</p> <ul style="list-style-type: none"> The status of the impact: Negative The degree to which the impact can be reversed: Low The degree to which the impact can be mitigated: High The degree to which the impact may cause irreplaceable loss of resources: Medium 	<p>The extent of the impact: 2 The duration of the impact: 2 The magnitude of the impact: 2 The probability of the impact: 2 The significance of the impact: 12 - MEDIUM</p>	<ul style="list-style-type: none"> Concrete should ideally be mixed on an impermeable surface such as a concrete slab. Cement bags (new and used) must be stored under roof or in closed containers where they will not be exposed to rain. Dry concrete must be removed and disposed of together with other building rubble. 	<p>The extent of the impact: 1 The duration of the impact: 2 The magnitude of the impact: 2 The probability of the impact: 1 The significance of the impact: 5 - LOW</p>	Medium
<p>The wastage of water resources (water supply) due to the irresponsible use of water.</p> <ul style="list-style-type: none"> The status of the impact: Negative The degree to which the impact can be reversed: Low The degree to which the impact can be mitigated: High The degree to which the impact may cause irreplaceable loss of resources: Medium 	<p>The extent of the impact: 3 The duration of the impact: 2 The magnitude of the impact: 2 The probability of the impact: 2 The significance of the impact: 14 - MEDIUM</p>	<ul style="list-style-type: none"> Water pipes and hoses should be inspected on a regular basis and any leakages should immediately be repaired. Running water taps or hoses may not be left unattended. 	<p>The extent of the impact: 3 The duration of the impact: 2 The magnitude of the impact: 1 The probability of the impact: 1 The significance of the impact: 6 - LOW</p>	Low - Medium
<p>Loss of low quality fauna habitat (degraded/disturbed vegetation cover) during site clearance.</p> <ul style="list-style-type: none"> The status of the impact: Negative The degree to which the impact can be reversed: High The degree to which the impact can be mitigated: High The degree to which the impact may cause irreplaceable loss of resources: Low 	<p>The extent of the impact: 1 The duration of the impact: 1 The magnitude of the impact: 1 The probability of the impact: 3 The significance of the impact: 9 - LOW</p>	No mitigation measures required as the site is in a degraded/disturbed state.	<p>The extent of the impact: 1 The duration of the impact: 1 The magnitude of the impact: 1 The probability of the impact: 3 The significance of the impact: 9 - LOW</p>	Not applicable. No mitigation measures.
<p>Disturbance of any fauna species that may be present onsite.</p> <ul style="list-style-type: none"> The status of the impact: Negative The degree to which the impact can be 	<p>The extent of the impact: 1 The duration of the impact: 1 The magnitude of the impact: 1 The probability of the impact: 2 The significance of the impact: 6 - LOW</p>	Fauna species may not be disturbed, captured or killed and must be avoided.	<p>The extent of the impact: 1 The duration of the impact: 1 The magnitude of the impact: 1 The probability of the impact: 1 The significance of the impact: 3 - LOW</p>	Low

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
<p>reversed: Low</p> <ul style="list-style-type: none"> The degree to which the impact can be mitigated: High The degree to which the impact may cause irreplaceable loss of resources: Low 				
<p>Loss of degraded/disturbed vegetation (Carletonville Dolomite Grassland) during site clearance.</p> <ul style="list-style-type: none"> The status of the impact: Negative The degree to which the impact can be reversed: Low The degree to which the impact can be mitigated: High The degree to which the impact may cause irreplaceable loss of resources: Low 	<p>The extent of the impact: 1 The duration of the impact: 1 The magnitude of the impact: 1 The probability of the impact: 3 The significance of the impact: 9 - LOW</p>	<p>No mitigation measures required as the site is in a degraded/disturbed state.</p>	<p>The extent of the impact: 1 The duration of the impact: 1 The magnitude of the impact: 1 The probability of the impact: 3 The significance of the impact: 9 - LOW</p>	<p>Not applicable. No mitigation measures.</p>
<p>Spread of alien invasive vegetation.</p> <ul style="list-style-type: none"> The status of the impact: Negative The degree to which the impact can be reversed: Medium The degree to which the impact can be mitigated: High The degree to which the impact may cause irreplaceable loss of resources: High 	<p>The extent of the impact: 3 The duration of the impact: 2 The magnitude of the impact: 3 The probability of the impact: 2 The significance of the impact: 16 - MEDIUM</p>	<ul style="list-style-type: none"> Use only indigenous plant species for gardens and rehabilitation. Eradicate any alien invasive vegetation observed onsite. 	<p>The extent of the impact: 2 The duration of the impact: 2 The magnitude of the impact: 3 The probability of the impact: 1 The significance of the impact: 7 - LOW</p>	<p>Low - Medium</p>
<p>Disturbance of wetland zones beyond the property boundary.</p> <ul style="list-style-type: none"> The status of the impact: Negative The degree to which the impact can be reversed: Low The degree to which the impact can be mitigated: High The degree to which the impact may cause irreplaceable loss of resources: High 	<p>The extent of the impact: 2 The duration of the impact: 3 The magnitude of the impact: 3 The probability of the impact: 2 The significance of the impact: 16 - MEDIUM</p>	<ul style="list-style-type: none"> No construction workers may enter into wetland zones beyond the site boundary. No dumping of material or waste may take place beyond the construction site boundary or in wetland zones. No vehicles may enter the wetland zones. 	<p>The extent of the impact: 2 The duration of the impact: 3 The magnitude of the impact: 3 The probability of the impact: 1 The significance of the impact: 8 - LOW</p>	<p>Low - Medium</p>
<p>Disturbance or destruction of cultural and heritage resources.</p> <ul style="list-style-type: none"> The status of the impact: Negative The degree to which the impact can be reversed: Low The degree to which the impact can be mitigated: High 	<p>The extent of the impact: 1 The duration of the impact: 3 The magnitude of the impact: 3 The probability of the impact: 2 The significance of the impact: 14 - MEDIUM</p>	<p>If any cultural or heritage resources, sites, features or objects are exposed during the construction activities, all construction activities in the area must be stopped and a heritage specialist must be contacted to investigate the site and recommend the way forward.</p>	<p>The extent of the impact: 1 The duration of the impact: 3 The magnitude of the impact: 3 The probability of the impact: 1 The significance of the impact: 7 - LOW</p>	<p>Low - Medium</p>

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
<ul style="list-style-type: none"> The degree to which the impact may cause irreplaceable loss of resources: High 				
<p>Very high possibility that significant fossil assemblages will be present beneath the site. The disturbance and/or destruction of the fossil assemblages.</p> <ul style="list-style-type: none"> The status of the impact: Negative The degree to which the impact can be reversed: Low The degree to which the impact can be mitigated: High The degree to which the impact may cause irreplaceable loss of resources: High 	<p>The extent of the impact: 1 The duration of the impact: 3 The magnitude of the impact: 3 The probability of the impact: 3 The significance of the impact: 21 - HIGH</p>	<ul style="list-style-type: none"> A field assessment by a qualified palaeontologist must be conducted. A Protocol of Fossil Finds must be compiled and submitted to the South African Heritage Resources Agency. The protocol must be implemented during the construction phase. 	<p>The extent of the impact: 1 The duration of the impact: 3 The magnitude of the impact: 3 The probability of the impact: 2 The significance of the impact: 14 - MEDIUM</p>	Low - Medium
<p>Generation of dust by construction vehicles.</p> <ul style="list-style-type: none"> The status of the impact: Negative The degree to which the impact can be reversed: Low The degree to which the impact can be mitigated: High The degree to which the impact may cause irreplaceable loss of resources: Medium 	<p>The extent of the impact: 2 The duration of the impact: 1 The magnitude of the impact: 2 The probability of the impact: 2 The significance of the impact: 10 - MEDIUM</p>	<ul style="list-style-type: none"> Implement dust suppression techniques. Limit vegetation clearance until it is necessary for soil stripping. A complaints register must be kept onsite and be easily accessible to any party who wishes to lodge a complaint. The complaints register must include the following fields: <ul style="list-style-type: none"> The date of the complaint; The name and surname of the person lodging the complaint; Details of the complaint; and How and when the complaint was addressed. 	<p>The extent of the impact: 2 The duration of the impact: 1 The magnitude of the impact: 2 The probability of the impact: 1 The significance of the impact: 5 - LOW</p>	Low
<p>Release of emissions from construction vehicles.</p> <ul style="list-style-type: none"> The status of the impact: Negative The degree to which the impact can be reversed: Low The degree to which the impact can be mitigated: Medium The degree to which the impact may cause irreplaceable loss of resources: Medium 	<p>The extent of the impact: 3 The duration of the impact: 1 The magnitude of the impact: 2 The probability of the impact: 3 The significance of the impact: 18 - MEDIUM</p>	Regular maintenance of vehicles to minimise the release of emissions.	<p>The extent of the impact: 3 The duration of the impact: 1 The magnitude of the impact: 1 The probability of the impact: 2 The significance of the impact: 10 - MEDIUM</p>	Low
<p>Generation of nuisance and noise from construction vehicles and equipment/machinery.</p> <ul style="list-style-type: none"> The status of the impact: Negative The degree to which the impact can be reversed: Low The degree to which the impact can be 	<p>The extent of the impact: 2 The duration of the impact: 1 The magnitude of the impact: 2 The probability of the impact: 3 The significance of the impact: 15 - MEDIUM</p>	<ul style="list-style-type: none"> Noisy activities must be scheduled during times of the day that will result in the least disturbance to adjacent sensitive receptors. Noisy work must be avoided on weekends and public holidays. Vehicles must not be left idling unnecessarily. 	<p>The extent of the impact: 1 The duration of the impact: 1 The magnitude of the impact: 2 The probability of the impact: 2 The significance of the impact: 8 - LOW</p>	Low

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
<p>mitigated: Medium</p> <ul style="list-style-type: none"> The degree to which the impact may cause irreplaceable loss of resources: Medium 		<ul style="list-style-type: none"> All vehicles must be regularly maintained. 		
<p>Soil pollution due to hydrocarbon spillages or leakages from construction vehicles.</p> <ul style="list-style-type: none"> The status of the impact: Negative The degree to which the impact can be reversed: Medium The degree to which the impact can be mitigated: High The degree to which the impact may cause irreplaceable loss of resources: Medium 	<p>The extent of the impact: 2 The duration of the impact: 2 The magnitude of the impact: 2 The probability of the impact: 2 The significance of the impact: 12 - MEDIUM</p>	<ul style="list-style-type: none"> Use drip trays for any machinery and/or vehicle repair work. Immediately repair any leaking machinery or vehicles. Place oil drums on impermeable surfaces or plastic liners. Immediately clean any hydrocarbon spillages and dispose of as hazardous waste. 	<p>The extent of the impact: 2 The duration of the impact: 2 The magnitude of the impact: 2 The probability of the impact: 1 The significance of the impact: 6 - LOW</p>	Low - Medium
<p>Soil pollution due to spillages from chemical toilets.</p> <ul style="list-style-type: none"> The status of the impact: Negative The degree to which the impact can be reversed: Low The degree to which the impact can be mitigated: High The degree to which the impact may cause irreplaceable loss of resources: Medium 	<p>The extent of the impact: 2 The duration of the impact: 2 The magnitude of the impact: 2 The probability of the impact: 2 The significance of the impact: 12 - MEDIUM</p>	<ul style="list-style-type: none"> Sufficient ablution facilities must be provided. Chemical toilets must be serviced regularly. Any spillages from the chemical toilets must immediately be cleaned and the contaminated soil disposed of as hazardous waste. 	<p>The extent of the impact: 1 The duration of the impact: 1 The magnitude of the impact: 2 The probability of the impact: 1 The significance of the impact: 4 - LOW</p>	Low
<p>Soil pollution due to the incorrect management, storage and disposal of waste (general and hazardous waste).</p> <ul style="list-style-type: none"> The status of the impact: Negative The degree to which the impact can be reversed: Medium The degree to which the impact can be mitigated: High The degree to which the impact may cause irreplaceable loss of resources: Medium 	<p>The extent of the impact: 2 The duration of the impact: 2 The magnitude of the impact: 2 The probability of the impact: 2 The significance of the impact: 12 - MEDIUM</p>	<ul style="list-style-type: none"> Waste must be managed according to its hazard classification (i.e. general vs. hazardous waste) and general and hazardous waste streams should not be mixed. Waste stored onsite must be kept in appropriate containers with lids that can be closed. Waste must be taken to appropriately licensed facilities for reuse, recycling, recovery or disposal. The applicant must comply with the Ekurhuleni Metropolitan Municipality – Solid Waste By-Laws, 2001. 	<p>The extent of the impact: 1 The duration of the impact: 1 The magnitude of the impact: 2 The probability of the impact: 1 The significance of the impact: 4 - LOW</p>	Low - Medium
<p>Soil pollution of surface and/or groundwater resources from the mixing of concrete.</p> <ul style="list-style-type: none"> The status of the impact: Negative The degree to which the impact can be reversed: Medium The degree to which the impact can be 	<p>The extent of the impact: 2 The duration of the impact: 2 The magnitude of the impact: 2 The probability of the impact: 2 The significance of the impact: 12 - MEDIUM</p>	<ul style="list-style-type: none"> Concrete should ideally be mixed on an impermeable surface such as a concrete slab. Cement bags (new and used) must be stored under roof or in closed containers where they will not be exposed to rain. Dry concrete must be removed and disposed of together with other building rubble. 	<p>The extent of the impact: 1 The duration of the impact: 2 The magnitude of the impact: 2 The probability of the impact: 1 The significance of the impact: 5 - LOW</p>	Low - Medium

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
<p>mitigated: High</p> <ul style="list-style-type: none"> The degree to which the impact may cause irreplaceable loss of resources: Medium 				
<p>Soil erosion due to the clearance of vegetation and the removal of topsoil and subsoil.</p> <ul style="list-style-type: none"> The status of the impact: Negative The degree to which the impact can be reversed: Low The degree to which the impact can be mitigated: High The degree to which the impact may cause irreplaceable loss of resources: Medium 	<p>The extent of the impact: 1 The duration of the impact: 2 The magnitude of the impact:2 The probability of the impact: 2 The significance of the impact: 10 - MEDIUM</p>	<ul style="list-style-type: none"> Limiting vegetation clearance until it is necessary for soil stripping. Implement adequate erosion prevention measures, such as measures to dissipate runoff water velocities. Implement adequate storm water management measures. 	<p>The extent of the impact: 1 The duration of the impact: 2 The magnitude of the impact:1 The probability of the impact: 1 The significance of the impact: 4 - LOW</p>	Low
<p>Soil compaction to create foundations for buildings and other associated infrastructure.</p> <ul style="list-style-type: none"> The status of the impact: Negative The degree to which the impact can be reversed: Medium The degree to which the impact can be mitigated: High The degree to which the impact may cause irreplaceable loss of resources: Medium 	<p>The extent of the impact: 1 The duration of the impact: 2 The magnitude of the impact:2 The probability of the impact: 2 The significance of the impact: 10 - MEDIUM</p>	<ul style="list-style-type: none"> Soils should be moved when dry, as far as possible. Excessively heavy vehicles should not be used for earthmoving activities. This will minimise compaction of the soil. 	<p>The extent of the impact: 1 The duration of the impact: 2 The magnitude of the impact:1 The probability of the impact: 1 The significance of the impact: 4 - LOW</p>	Low
<p>Degradation of topsoil due to incorrect storage practices.</p> <ul style="list-style-type: none"> The status of the impact: Negative The degree to which the impact can be reversed: Low The degree to which the impact can be mitigated: High The degree to which the impact may cause irreplaceable loss of resources: Medium 	<p>The extent of the impact: 1 The duration of the impact: 2 The magnitude of the impact:3 The probability of the impact: 2 The significance of the impact: 12 - MEDIUM</p>	<ul style="list-style-type: none"> Topsoil and subsoil must be stored on separate stockpiles. Cover topsoil stockpiles to prevent the soil being washed away during rainfall events. 	<p>The extent of the impact: 1 The duration of the impact: 2 The magnitude of the impact:3 The probability of the impact: 1 The significance of the impact: 6 - LOW</p>	Low
<p>Generation of a number of job opportunities.</p>	Positive	As this is a positive impact, no mitigation measures are necessary.	Positive	Not applicable.
<p>Potential increase in crime due to the influx of workers.</p> <ul style="list-style-type: none"> The status of the impact: Negative The degree to which the impact can be reversed: Low The degree to which the impact can be 	<p>The extent of the impact: 2 The duration of the impact: 1 The magnitude of the impact: 3 The probability of the impact: 2 The significance of the impact: 12 - MEDIUM</p>	<ul style="list-style-type: none"> Reference checks should be conducted on all workers before they are appointed. Workers should not be allowed to leave the construction site during the day and should be transported to and from the site on a daily basis. 	<p>The extent of the impact: 2 The duration of the impact: 1 The magnitude of the impact: 3 The probability of the impact: 1 The significance of the impact: 6 - LOW</p>	Low

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
<p>mitigated: High</p> <ul style="list-style-type: none"> The degree to which the impact may cause irreplaceable loss of resources: Medium 				
Stimulation of the local economy.	Positive	As this is a positive impact, no mitigation measures are necessary.	Positive	Not applicable.
<p>Increase in traffic volumes to the site.</p> <ul style="list-style-type: none"> The status of the impact: Negative The degree to which the impact can be reversed: Low The degree to which the impact can be mitigated: Low The degree to which the impact may cause irreplaceable loss of resources: Low 	<p>The extent of the impact: 2 The duration of the impact: 1 The magnitude of the impact: 2 The probability of the impact: 3 The significance of the impact: 15 - MEDIUM</p>	<ul style="list-style-type: none"> Ensure that construction vehicles are roadworthy and that drivers comply with road rules. Loads must be securely fastened and may not exceed the tonnage limitations for each vehicle. 	<p>The extent of the impact: 2 The duration of the impact: 1 The magnitude of the impact: 1 The probability of the impact: 3 The significance of the impact: 12 - MEDIUM</p>	Low
Operational Phase				
<p>Pollution of surface and/or groundwater resources due to hydrocarbon spillages or leakages from vehicles.</p> <ul style="list-style-type: none"> The status of the impact: Negative The degree to which the impact can be reversed: Medium The degree to which the impact can be mitigated: High The degree to which the impact may cause irreplaceable loss of resources: Medium 	<p>The extent of the impact: 2 The duration of the impact: 2 The magnitude of the impact: 2 The probability of the impact: 2 The significance of the impact: 12 - MEDIUM</p>	<ul style="list-style-type: none"> Spill kits must be onsite to clean up any hydrocarbon spillages. Vehicles should regularly be inspected to ensure that any fuel or oil leaks are repaired. 	<p>The extent of the impact: 2 The duration of the impact: 2 The magnitude of the impact: 2 The probability of the impact: 1 The significance of the impact: 6 - LOW</p>	Low - Medium
<p>Pollution of surface and/or groundwater resources due to the incorrect management, storage and disposal of waste.</p> <ul style="list-style-type: none"> The status of the impact: Negative The degree to which the impact can be reversed: Medium The degree to which the impact can be mitigated: High The degree to which the impact may cause irreplaceable loss of resources: Medium 	<p>The extent of the impact: 2 The duration of the impact: 2 The magnitude of the impact: 2 The probability of the impact: 2 The significance of the impact: 12 - MEDIUM</p>	<ul style="list-style-type: none"> Waste must be managed according to its hazard classification (i.e. general vs. hazardous waste) and general and hazardous waste streams should not be mixed. Waste stored onsite must be kept in appropriate containers with lids that can be closed. Waste must be taken to appropriately licensed facilities for reuse, recycling, recovery or disposal (last resort). The applicant must comply with the Ekurhuleni Metropolitan Municipality – Solid Waste By-Laws, 2001. 	<p>The extent of the impact: 1 The duration of the impact: 1 The magnitude of the impact: 2 The probability of the impact: 1 The significance of the impact: 4 - LOW</p>	Low - Medium
<p>Pollution of surface and/or groundwater resources due to the runoff of contaminated stormwater.</p>	<p>The extent of the impact: 3 The duration of the impact: 2 The magnitude of the impact: 2</p>	<ul style="list-style-type: none"> Storm water must be diverted around areas where there are pollution sources. Storm water drainage infrastructure must be 	<p>The extent of the impact: 2 The duration of the impact: 2 The magnitude of the impact: 2</p>	Low - Medium

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
<ul style="list-style-type: none"> The status of the impact: Negative The degree to which the impact can be reversed: Medium The degree to which the impact can be mitigated: High The degree to which the impact may cause irreplaceable loss of resources: High 	<p>The probability of the impact: 2 The significance of the impact: 14 - MEDIUM</p>	<p>regularly inspected for obstructions.</p> <ul style="list-style-type: none"> No contaminated storm water may be released into the environment from the construction activities. Washing or cleaning of equipment or machinery must occur in a designated area and the contaminated wash water must be contained. Such an area could be a plastic drum, a container or a plastic lined pit. Wash water from the wash bay must be contained and not released into the environment. Wash water from the hatchery must be contained and not released into the environment. 	<p>The probability of the impact: 1 The significance of the impact: 6 - LOW</p>	
<p>Pollution of surface and/or groundwater resources due to leakages from the sewerage/wastewater network (pipelines) onsite.</p> <ul style="list-style-type: none"> The status of the impact: Negative The degree to which the impact can be reversed: Low The degree to which the impact can be mitigated: High The degree to which the impact may cause irreplaceable loss of resources: High 	<p>The extent of the impact: 3 The duration of the impact: 2 The magnitude of the impact: 3 The probability of the impact: 2 The significance of the impact: 16 - MEDIUM</p>	<ul style="list-style-type: none"> Ablution facilities must regularly be cleaned. Should toilets run slowly or become blocked, this should be investigated to ensure that this is not due to a broken or blocked pipe underground. Any broken or blocked pipes must be repaired. Alternative disposal of sewage, instead of the French drain system, should be investigated. 	<p>The extent of the impact: 3 The duration of the impact: 2 The magnitude of the impact: 3 The probability of the impact: 1 The significance of the impact: 8 - LOW</p>	Low
<p>The wastage of resources due to the irresponsible use of water and electricity.</p> <ul style="list-style-type: none"> The status of the impact: Negative The degree to which the impact can be reversed: Low The degree to which the impact can be mitigated: High The degree to which the impact may cause irreplaceable loss of resources: Medium 	<p>The extent of the impact: 3 The duration of the impact: 2 The magnitude of the impact: 2 The probability of the impact: 2 The significance of the impact: 14 - MEDIUM</p>	<ul style="list-style-type: none"> Consumption of water and electricity must be monitored. Use energy efficient lighting, where possible. Switch off lights, appliances and equipment/machinery when not in use. Water pipes and hoses should be inspected on a regular basis and any leakages should immediately be repaired. Running water taps or hoses may not be left unattended. 	<p>The extent of the impact: 3 The duration of the impact: 2 The magnitude of the impact: 1 The probability of the impact: 1 The significance of the impact: 6 - LOW</p>	Low - Medium
<p>Disturbance of any fauna species that may be present onsite.</p> <ul style="list-style-type: none"> The status of the impact: Negative The degree to which the impact can be reversed: Low The degree to which the impact can be 	<p>The extent of the impact: 1 The duration of the impact: 1 The magnitude of the impact: 1 The probability of the impact: 2 The significance of the impact: 6 - LOW</p>	<p>Same mitigation measures as under construction phase.</p>	<p>The extent of the impact: 1 The duration of the impact: 1 The magnitude of the impact: 1 The probability of the impact: 1 The significance of the impact: 3 - LOW</p>	Low

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
<p>mitigated: High</p> <ul style="list-style-type: none"> The degree to which the impact may cause irreplaceable loss of resources: Low 				
Provision of artificial habitat for fauna species.	Positive	As this is a positive impact, no mitigation measures are necessary.	Positive	Not applicable.
<p>Establishment and spread of alien invasive vegetation (onsite and further than the site).</p> <ul style="list-style-type: none"> The status of the impact: Negative The degree to which the impact can be reversed: Low The degree to which the impact can be mitigated: High The degree to which the impact may cause irreplaceable loss of resources: Low 	<p>The extent of the impact: 3 The duration of the impact: 2 The magnitude of the impact: 3 The probability of the impact: 2 The significance of the impact: 16 - MEDIUM</p>	Same mitigation measures as under construction phase.	<p>The extent of the impact: 2 The duration of the impact: 2 The magnitude of the impact: 3 The probability of the impact: 1 The significance of the impact: 7 - LOW</p>	Low
<p>Disturbance of wetland zones beyond the property boundary.</p> <ul style="list-style-type: none"> The status of the impact: Negative The degree to which the impact can be reversed: Low The degree to which the impact can be mitigated: High The degree to which the impact may cause irreplaceable loss of resources: High 	<p>The extent of the impact: 2 The duration of the impact: 3 The magnitude of the impact: 3 The probability of the impact: 2 The significance of the impact: 16 - MEDIUM</p>	<ul style="list-style-type: none"> No workers may enter into wetland zones beyond the site boundary. No dumping of material or waste may take place beyond the site boundary or in the wetland zones. No vehicles may enter the wetland zones. 	<p>The extent of the impact: 2 The duration of the impact: 3 The magnitude of the impact: 3 The probability of the impact: 1 The significance of the impact: 8 - LOW</p>	Low - Medium
<p>Release of emissions from vehicles.</p> <ul style="list-style-type: none"> The status of the impact: Negative The degree to which the impact can be reversed: Low The degree to which the impact can be mitigated: Medium The degree to which the impact may cause irreplaceable loss of resources: Medium 	<p>The extent of the impact: 3 The duration of the impact: 1 The magnitude of the impact: 2 The probability of the impact: 3 The significance of the impact: 18 - MEDIUM</p>	Same mitigation measures as under construction phase.	<p>The extent of the impact: 3 The duration of the impact: 1 The magnitude of the impact: 1 The probability of the impact: 2 The significance of the impact: 10 - MEDIUM</p>	Low
<p>Generation of emissions, such as carbon dioxide, carbon monoxide, sulphur dioxide and nitrous oxides, from the coal hot water boiler.</p> <ul style="list-style-type: none"> The status of the impact: Negative The degree to which the impact can be reversed: Low 	<p>The extent of the impact: 3 The duration of the impact: 3 The magnitude of the impact: 2 The probability of the impact: 3 The significance of the impact: 24 - HIGH</p>	<ul style="list-style-type: none"> Use high-grade coal as far as possible to decrease sulphur emissions. The hot water boiler must be maintained according to the supplier's maintenance schedules to minimise emissions. Mitigation measures should be implemented at the hot water boiler to minimise particulate 	<p>The extent of the impact: 3 The duration of the impact: 3 The magnitude of the impact: 2 The probability of the impact: 2 The significance of the impact: 16 - MEDIUM</p>	Low

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
<ul style="list-style-type: none"> The degree to which the impact can be mitigated: Medium The degree to which the impact may cause irreplaceable loss of resources: Medium 		<p>matter emissions.</p> <ul style="list-style-type: none"> Ash should be stored in enclosed containers/areas and removed to licensed waste management facilities. 		
<p>Generation of nuisance (odours) and noise.</p> <ul style="list-style-type: none"> The status of the impact: Negative The degree to which the impact can be reversed: Medium The degree to which the impact can be mitigated: High The degree to which the impact may cause irreplaceable loss of resources: Medium 	<p>The extent of the impact: 2 The duration of the impact: 3 The magnitude of the impact: 2 The probability of the impact: 2 The significance of the impact: 14 - MEDIUM</p>	<ul style="list-style-type: none"> Best practice measures for the poultry industry and intended to minimise and avoid the generation of offensive odours must be implemented at the hatchery. Waste generated at the hatchery must be removed to re-use-, recycling- or disposal facilities on a regular basis, to prevent the accumulation of waste onsite. Good housekeeping must be maintained at the hatchery. Rodent bait traps and flytraps are prevalent onsite. These must be maintained at the required intervals. Noise levels at the hatchery must be kept to a minimum. Noisy activities must be scheduled during times of the day that will result in the least disturbance to adjacent sensitive receptors. Noisy work must be avoided on weekends and public holidays. Vehicles must not be left idling unnecessarily. All vehicles must be regularly maintained. A complaints register must be kept onsite and be easily accessible to any party who wishes to lodge a complaint. The complaints register must include the following fields: <ul style="list-style-type: none"> The date of the complaint; The name and surname of the person lodging the complaint; Details of the complaint; and How and when the complaint was addressed. Complaints must be addressed within a reasonable period of time and feedback must be provided to the person who lodged the complaint. 	<p>The extent of the impact: 2 The duration of the impact: 3 The magnitude of the impact: 2 The probability of the impact: 1 The significance of the impact: 7 - LOW</p>	Low
Soil pollution due to hydrocarbon spillages or leakages from vehicles.	<p>The extent of the impact: 2 The duration of the impact: 2 The magnitude of the impact: 2</p>	Same mitigation measures as under construction phase.	<p>The extent of the impact: 2 The duration of the impact: 2 The magnitude of the impact: 2</p>	Low - Medium

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
<ul style="list-style-type: none"> The status of the impact: Negative The degree to which the impact can be reversed: Medium The degree to which the impact can be mitigated: High The degree to which the impact may cause irreplaceable loss of resources: Medium 	<p>The probability of the impact: 2 The significance of the impact: 12 - MEDIUM</p>		<p>The probability of the impact: 1 The significance of the impact: 6 - LOW</p>	
<p>Soil pollution due to the incorrect management, storage and disposal of waste (general and hazardous waste).</p> <ul style="list-style-type: none"> The status of the impact: Negative The degree to which the impact can be reversed: Medium The degree to which the impact can be mitigated: High The degree to which the impact may cause irreplaceable loss of resources: Medium 	<p>The extent of the impact: 2 The duration of the impact: 2 The magnitude of the impact: 2 The probability of the impact: 2 The significance of the impact: 12 - MEDIUM</p>	Same mitigation measures as under construction phase.	<p>The extent of the impact: 1 The duration of the impact: 1 The magnitude of the impact: 2 The probability of the impact: 1 The significance of the impact: 4 - LOW</p>	Low - Medium
<p>Soil pollution due to leakages from the sewerage network (pipelines) onsite.</p> <ul style="list-style-type: none"> The status of the impact: Negative The degree to which the impact can be reversed: Low The degree to which the impact can be mitigated: High The degree to which the impact may cause irreplaceable loss of resources: High 	<p>The extent of the impact: 3 The duration of the impact: 2 The magnitude of the impact: 3 The probability of the impact: 2 The significance of the impact: 16 - MEDIUM</p>	<ul style="list-style-type: none"> Ablution facilities must regularly be cleaned. Should toilets run slowly or become blocked, this should be investigated to ensure that this is not due to a broken or blocked pipe underground. Any broken or blocked pipes must be repaired. 	<p>The extent of the impact: 3 The duration of the impact: 2 The magnitude of the impact: 3 The probability of the impact: 1 The significance of the impact: 8 - LOW</p>	Low
Generation of a number of job opportunities.	Positive	As this is a positive impact, no mitigation measures are necessary.	Positive	Not applicable.
Stimulation of the local economy.	Positive	As this is a positive impact, no mitigation measures are necessary.	Positive	Not applicable.
Contributing to food security in South Africa.	Positive	As this is a positive impact, no mitigation measures are necessary.	Positive	Not applicable.
<p>Increase in traffic volumes to the site.</p> <ul style="list-style-type: none"> The status of the impact: Negative The degree to which the impact can be reversed: Low The degree to which the impact can be mitigated: Low The degree to which the impact may cause 	<p>The extent of the impact: 2 The duration of the impact: 3 The magnitude of the impact: 2 The probability of the impact: 3 The significance of the impact: 21 - HIGH</p>	<ul style="list-style-type: none"> Ensure that vehicles are roadworthy and that drivers comply with road rules. Loads must be securely fastened and may not exceed the tonnage limitations for each vehicle. All loads of waste must be covered before leaving the site to prevent spillages. 	<p>The extent of the impact: 2 The duration of the impact: 3 The magnitude of the impact: 1 The probability of the impact: 3 The significance of the impact: 18 - MEDIUM</p>	Low

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
irreplaceable loss of resources: Medium				
Post-construction and Rehabilitation Phase				
<p>Pollution of surface and/or groundwater resources due to hydrocarbon spillages or leakages from construction vehicles.</p> <ul style="list-style-type: none"> The status of the impact: Negative The degree to which the impact can be reversed: Medium The degree to which the impact can be mitigated: High The degree to which the impact may cause irreplaceable loss of resources: Medium 	<p>The extent of the impact: 2 The duration of the impact: 2 The magnitude of the impact: 2 The probability of the impact: 2 The significance of the impact: 12 - MEDIUM</p>	Same mitigation measures as under construction phase.	<p>The extent of the impact: 2 The duration of the impact: 2 The magnitude of the impact: 2 The probability of the impact: 1 The significance of the impact: 6 - LOW</p>	Low - Medium
<p>Disturbance of any fauna species that may be present onsite.</p> <ul style="list-style-type: none"> The status of the impact: Negative The degree to which the impact can be reversed: Low The degree to which the impact can be mitigated: High The degree to which the impact may cause irreplaceable loss of resources: Low 	<p>The extent of the impact: 1 The duration of the impact: 1 The magnitude of the impact: 1 The probability of the impact: 2 The significance of the impact: 6 - LOW</p>	Same mitigation measures as under construction phase.	<p>The extent of the impact: 1 The duration of the impact: 1 The magnitude of the impact: 1 The probability of the impact: 1 The significance of the impact: 3 - LOW</p>	Low
<p>Establishment and spread of alien invasive vegetation (onsite and further than the site).</p> <ul style="list-style-type: none"> The status of the impact: Negative The degree to which the impact can be reversed: Medium The degree to which the impact can be mitigated: High The degree to which the impact may cause irreplaceable loss of resources: High 	<p>The extent of the impact: 3 The duration of the impact: 2 The magnitude of the impact: 3 The probability of the impact: 2 The significance of the impact: 14 - MEDIUM</p>	Same mitigation measures as under construction phase.	<p>The extent of the impact: 2 The duration of the impact: 2 The magnitude of the impact: 3 The probability of the impact: 1 The significance of the impact: 7 - LOW</p>	Low
<p>Disturbance of wetland zones beyond the property boundary.</p> <ul style="list-style-type: none"> The status of the impact: Negative The degree to which the impact can be reversed: Low The degree to which the impact can be mitigated: High The degree to which the impact may cause 	<p>The extent of the impact: 2 The duration of the impact: 3 The magnitude of the impact: 3 The probability of the impact: 2 The significance of the impact: 16 - MEDIUM</p>	Same mitigation measures as under construction phase.	<p>The extent of the impact: 2 The duration of the impact: 3 The magnitude of the impact: 3 The probability of the impact: 1 The significance of the impact: 8 - LOW</p>	Low - Medium

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
irreplaceable loss of resources: High				
<p>Generation of dust by construction vehicles.</p> <ul style="list-style-type: none"> The status of the impact: Negative The degree to which the impact can be reversed: Low The degree to which the impact can be mitigated: High The degree to which the impact may cause irreplaceable loss of resources: Medium 	<p>The extent of the impact: 2 The duration of the impact: 1 The magnitude of the impact: 2 The probability of the impact: 2 The significance of the impact: 10 - MEDIUM</p>	Same mitigation measures as under construction phase.	<p>The extent of the impact: 2 The duration of the impact: 1 The magnitude of the impact: 2 The probability of the impact: 1 The significance of the impact: 5 - LOW</p>	Low
<p>Release of emissions from construction vehicles.</p> <ul style="list-style-type: none"> The status of the impact: Negative The degree to which the impact can be reversed: Low The degree to which the impact can be mitigated: Medium The degree to which the impact may cause irreplaceable loss of resources: Medium 	<p>The extent of the impact: 3 The duration of the impact: 1 The magnitude of the impact: 2 The probability of the impact: 3 The significance of the impact: 18 - MEDIUM</p>	Same mitigation measures as under construction phase.	<p>The extent of the impact: 3 The duration of the impact: 1 The magnitude of the impact: 1 The probability of the impact: 2 The significance of the impact: 10 - MEDIUM</p>	Low - Medium
<p>Generation of nuisance and noise from construction vehicles and equipment/machinery.</p> <ul style="list-style-type: none"> The status of the impact: Negative The degree to which the impact can be reversed: Low The degree to which the impact can be mitigated: Medium The degree to which the impact may cause irreplaceable loss of resources: Medium 	<p>The extent of the impact: 2 The duration of the impact: 1 The magnitude of the impact: 2 The probability of the impact: 3 The significance of the impact: 15 - MEDIUM</p>	Same mitigation measures as under construction phase.	<p>The extent of the impact: 1 The duration of the impact: 1 The magnitude of the impact: 2 The probability of the impact: 2 The significance of the impact: 8 - LOW</p>	Low - Medium
<p>Soil erosion due to inefficient rehabilitation of construction areas.</p> <ul style="list-style-type: none"> The status of the impact: Negative The degree to which the impact can be reversed: High The degree to which the impact can be mitigated: High The degree to which the impact may cause irreplaceable loss of resources: Medium 	<p>The extent of the impact: 1 The duration of the impact: 2 The magnitude of the impact: 2 The probability of the impact: 2 The significance of the impact: 10 - MEDIUM</p>	<ul style="list-style-type: none"> Rehabilitation must already be initiated during the construction phase, where possible. Areas for rehabilitation must be cleared of any building rubble and/or debris before rehabilitation is commenced with. Soil should be moved when dry, as far as possible. Weeds must be removed prior to soil replacement. Grass should be planted on rehabilitated areas, or these areas must be paved or concreted. No open soil may be present onsite. 	<p>The extent of the impact: 1 The duration of the impact: 2 The magnitude of the impact: 1 The probability of the impact: 1 The significance of the impact: 4 - LOW</p>	Low

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
		<ul style="list-style-type: none"> • Rehabilitated areas must be monitored to ensure that rehabilitation was effective. 		
Generation of a number of job opportunities.	Positive	As this is a positive impact, no mitigation measures are necessary.	Positive	Not applicable.
Stimulation of the local economy.	Positive	As this is a positive impact, no mitigation measures are necessary.	Positive	Not applicable.

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
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

No Go

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
No provision of new temporary and permanent job opportunities.	Negative	No mitigation possible.	Negative. No mitigation possible.	Not applicable
No contribution towards the stimulation of the economy and agricultural sectors.	Negative	No mitigation possible.	Negative. No mitigation possible.	Not applicable
No contribution towards food security in South Africa.	Negative	No mitigation possible.	Negative. No mitigation possible.	Not applicable

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

No specialist reports are available.

Describe any gaps in knowledge or assumptions made in the assessment of the environment and the impacts associated with the proposed development.

Gaps in knowledge

- The motivation for exemption from a Phase 1 Heritage Impact Assessment and the Desktop Palaeontological Impact Assessment need to still be conducted.
- It must still be confirmed, in conjunction with a wetland specialist and by way of a Risk Assessment (as per the Department of Water and Sanitation's requirements) whether a Water Use Licence application is required for the proposed activities within 500m of the wetland. The necessary process will then be followed.

The following assumptions were made during this Basic Environmental Impact Assessment process:

- That all research and reference sources or material is accurate and up to date;
- That the project information, as provided by the applicant, is correct;
- That the hatchery expansion will be constructed as per the layout plans supplied by the applicant; and
- That the hatchery will be operated according to the Environmental Management Programme and in a responsible manner.

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

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 decommissioning and closure 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
No decommissioning activities are anticipated or planned for the hatchery. Therefore, no impacts have been identified or assessed as part of this Environmental Impact Assessment process.				

Alternative 1

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
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

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
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

List any specialist reports that were used to fill in the above tables. Such reports are to be attached in the appropriate Appendix.
 No specialist reports are available.

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

No financial provisioning is applicable to the proposed project.

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 greenhouse gas emissions from the vehicles and coal hot water boiler will combine with other greenhouse gasses in the atmosphere and contribute towards the global Climate Change effect.

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

The summary of the key findings of this Basic Environmental Impact Assessment process are as follows:

- The project site lies within the Rietvleiriver Highveld Grassland Threatened ecosystem (Critically Endangered). The site is, however, disturbed and is currently planted with grass (within the hatchery fence and also around the outside of the fence).
- According to the Gauteng C-Plan 3.3, the majority of the project site does not lie within a Critical Biodiversity- or Ecological Support Area. The south-eastern part of the project site lies within a Critical Biodiversity Area (Important Area). Construction activities have been concentrated on areas that are not designated as a Critical Biodiversity Areas. Sections of the new 75mm HDPE rising mains pipes, a portion of the new electric fence and the new 225kL sewer pump station will need to be constructed in the area of the south-eastern corner of the current fence line, which is designated as a Critical Biodiversity Area (Important Area). This area is, however, also in a disturbed state (i.e. planted grass)
- There is a Very high possibility that significant fossil assemblages will be present beneath the site. To this effect, a Protocol of Fossil Finds must be developed and submitted to SAHRA for approval prior to the development commencing. A Palaeontological Field Assessment must be carried out when the construction phase commences (should the proposed development be authorised).
- The proposed development will result in a positive socio-economic impact through the provision of a number of temporary and permanent job opportunities as well as the stimulation of the local economy. The development will also contribute towards food security in South Africa.
- The environmental impacts associated with the proposed development have been identified and assessed in terms of their significance in this report. The most significant impacts relate to the following:
 - The very high possibility that significant fossil assemblages will be present beneath the site;
 - The generation of emissions, such as carbon dioxide, carbon monoxide, sulphur dioxide and nitrous oxides, from the coal hot water boiler; and

- The increase in traffic volumes to the site.
- The majority of the impacts are rated as having a “Medium” significance before mitigation, and a “Low” significance after mitigation.

Alternative 1
Not applicable.

Alternative 2
Not applicable.

No-go (compulsory)
If the No-go option is chosen, the Festive Kaalfontein Hatchery will not be expanded. In this case, there will be no provision of new temporary and permanent job opportunities, no contribution towards the stimulation of the economy and agricultural sectors and no contribution towards food security in South Africa. In other words, the positive impacts of the proposed development will not be realised.

6. IMPACT SUMMARY OF THE PROPOSAL OR PREFERRED ALTERNATIVE

For proposal:
The following main positive and potential negative impacts and risks have been identified for the proposed project:

Positive impacts

- The generation of temporary and permanent job opportunities.
- The stimulation of the local economy and agricultural sectors.
- Contributing to food security in South Africa.

Negative impacts

- The very high possibility that significant fossil assemblages will be present beneath the site.
- The generation of emissions, such as carbon dioxide, carbon monoxide, sulphur dioxide and nitrous oxides, from the coal hot water boiler.
- The increase in traffic volumes to the site.

For alternative:
Not applicable.

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 proposed hatchery expansion project will generate a number of positive impacts, as listed in the section above. The site for the proposed development is in a disturbed state (planted grass) and the proposed project is the expansion of any existing, operational hatchery. As such, no alternatives could be considered in addition to the preferred alternative. The impacts identified for the proposed development are predominantly rated as having a “Medium” significance before mitigation, and a “Low” significance after mitigation.

7. SPATIAL DEVELOPMENT TOOLS

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

None used/Not applicable.

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).

YES X	NO
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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):

Not applicable

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

A Protocol of Fossil Finds must be developed and submitted to SAHRA for approval prior to the development commencing. A Palaeontological Field Assessment must be carried out when the construction phase commences (should the proposed development be authorised).
The mitigation measures contained in the Environmental Management Programme must be implemented during each developmental phase of the proposed project.
An independent Environmental Control Officer must be appointed to audit compliance to the Environmental Management Programme on a monthly basis during the construction phase of the proposed development.

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

Need (timing)

Astral is the largest poultry producer in South Africa and requires an increase in their hatchery capacity to be able to provide for the increasing market demand for chicken as a result of a growing population in the country. There will be 60 - 80 new job opportunities during the construction phase and 40 new job opportunities during the operational phase of the proposed development. There will also be the long term provision and maintenance of current job opportunities at the hatchery. Astral has a large responsibility in terms of food security with poultry/chicken being the main source of protein for consumers in South Africa. The proposed development will contribute to food security in South Africa.

1. Is the land use (associated with the activity being applied for) considered within the timeframe intended by the existing approved spatial development framework (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).

According to the Ekurhuleni Regional Spatial Development Framework (RSDF), the project site is situated within the "Urban Development" zone. The RSDF states that "Urban development" essentially means "land-uses in support of the primary economic and employment areas and will primarily consist of residential development, all social facilities and services and uses as may be required to achieve sustainable urban life (i.e. limited retail, appropriate office development, nurseries, medical centres, specialised health and educational facilities, including public services)."

The hatchery can be seen as an economic and employment area and is an existing Agricultural land use within this "Urban Development" zone. It is expected that the hatchery will remain at its current location for the foreseeable future. It is reasoned that as the hatchery is an existing land use, its expansion is also deemed consistent with said existing land use (agricultural).

One of the IDP Strategic Objectives for Ekurhuleni is to create enabling environments for inclusive growth and job creation (Ekurhuleni, 2018/2019). Section 7.2.3 of the IDP states that "The agricultural areas of the metro appear to have significant development potential in support of the Aerotropolis and should as such be protected and developed".

2. Should development, or if applicable, expansion of the town/area concerned in terms of this land use (associated with the activity being applied for) occurs here at this point in time?
Yes. It is believed that expansion of the hatchery is needed at this point in time, in order to address the increased demand for poultry products in South Africa (addressing the issue of food security in South Africa).

3. 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).
Locally, job opportunities will be created. This is a need in terms of addressing local unemployment levels. According to Ekurhuleni's Integrated Development Plan (IDP) (2018/2019), the unemployment rate in Ekurhuleni was 29.72% in 2015. The majority of people live below the poverty line (Ekurhuleni, 2005).

At a national level, the expansion of the hatchery will help in addressing the increased demand for poultry products in South Africa and will contribute towards food security in South Africa. Employment is one of the core elements of a decent standard of living according to the National Development Plan 2030.

4. 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?
Yes.

5. 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)?
No additional infrastructure will be required from the municipality for the proposed development.

6. Is this project part of a national programme to address an issue of national concern or importance?
No.

Desirability (placing)

1. Is the development the best practicable environmental option for this land/site?
As the proposed development is the expansion of an existing hatchery and the site is in a disturbed state, the proposed expansion is deemed to be a best practicable environmental option for the land/site.

2. Would the approval of this application compromise the integrity of the existing approved and credible municipal IDP and SDF as agreed to by the relevant authorities?
As the proposed development is the expansion of an existing facility, it is not expected that the development will compromise the integrity of the Ekurhuleni IPD and Regional SDF. The hatchery can be seen as an economic and employment area and is an existing Agricultural land use within this "Urban Development" zone. It is expected that the hatchery will remain at its current location for the foreseeable future. It is reasoned that as the hatchery is an existing land use, its expansion is also deemed consistent with said existing land use (agricultural).

3. Would the approval of this application compromise the integrity of the existing environmental management priorities for the area (e.g. as defined in EMFs), and if so, can it be justified in terms of sustainability considerations?
As the proposed development is the expansion of an existing facility and the site is disturbed, it is not expected that the development will compromise the integrity of the existing environmental management priorities for the area (e.g. as defined in EMFs). The site is situated within the Gauteng EMF Zone 4 (Normal Control Zone). This zone is defined as follows: *This zone is dominated by agricultural uses outside the urban development zone. Agricultural and rural development that support agriculture should be promoted.* As the proposed development is agricultural in nature, it is in line with the EMF. The site also falls within Environmental Management Zone 3, which is a high control sensitive zone outside the urban development zone.

4. 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).
The location for the proposed expansion project/development is at the existing hatchery. The location therefore favours the proposed development as it is the expansion of an existing hatchery and therefore in line with the existing land use of the property.

5. How will the activity or the land use associated with the activity applied for, impact on sensitive natural and cultural areas (built and rural/natural environment)?
Should mitigation measures, as contained in the Environmental Management Programme for this project, be implemented effectively, it is not expected for the proposed expansion project to have a high impact on sensitive natural or cultural areas. Potential impacts on the wetlands are rated as low to medium with mitigation measures applied.

6. How will the development impact on people's health and wellbeing (e.g. in terms of noise, odours, visual character and sense of place, etc)?
Should mitigation measures, as contained in the Environmental Management Programme for this project be implemented effectively, it is not expected for the proposed expansion project to have a significant negative impact on people's health and wellbeing, in terms of noise, odours and visual character. The hatchery is an existing facility in the landscape.

7. Will the proposed activity or the land use associated with the activity applied for, result in unacceptable opportunity costs?
No.

8. Will the proposed land use result in unacceptable cumulative impacts?
No. Cumulative impacts are expected as a result of the atmospheric emissions from the coal fired boiler, but these are not large scale emissions and are therefore not deemed unacceptable.

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

30 years

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

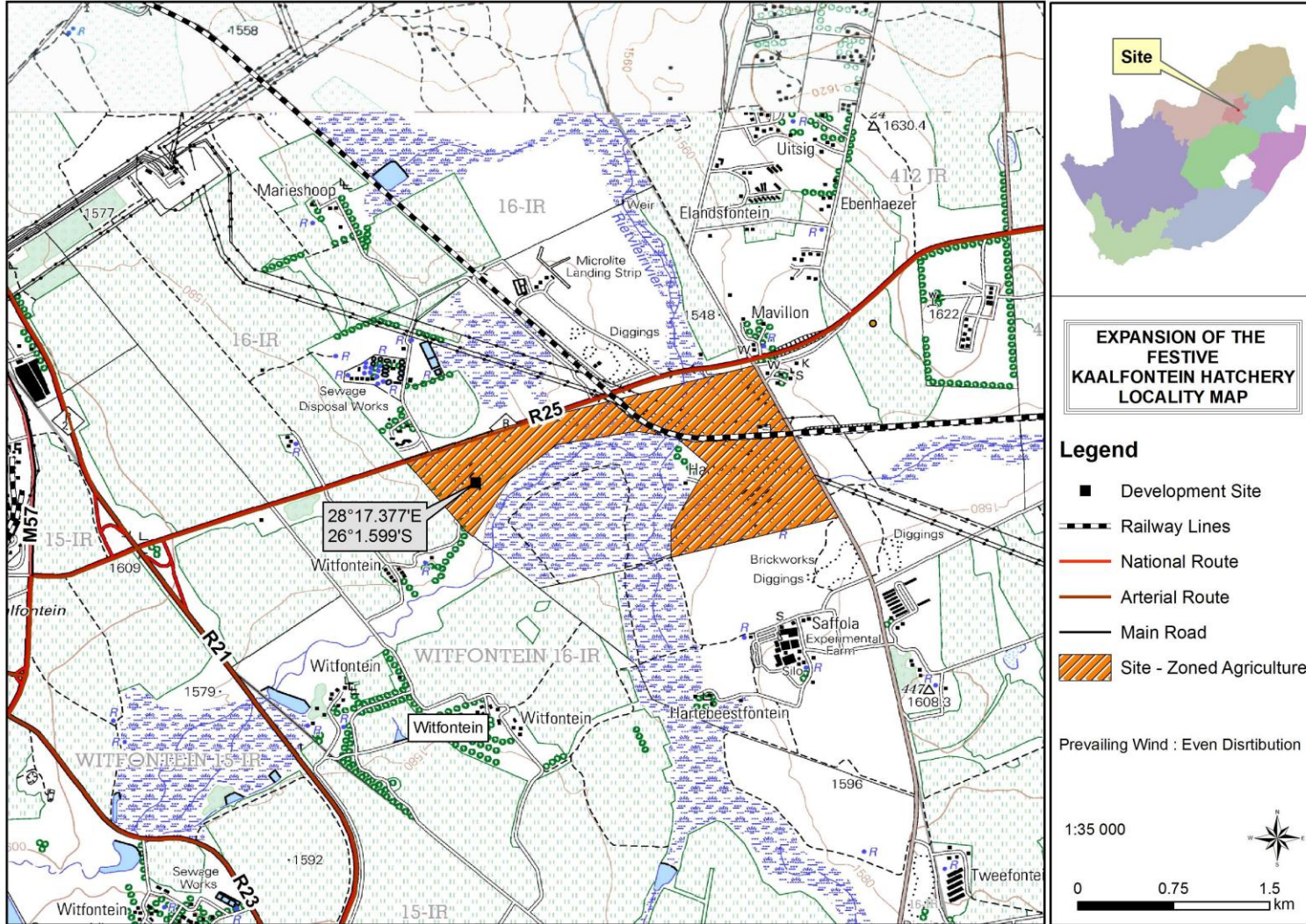
Appendix I: Other information

CHECKLIST

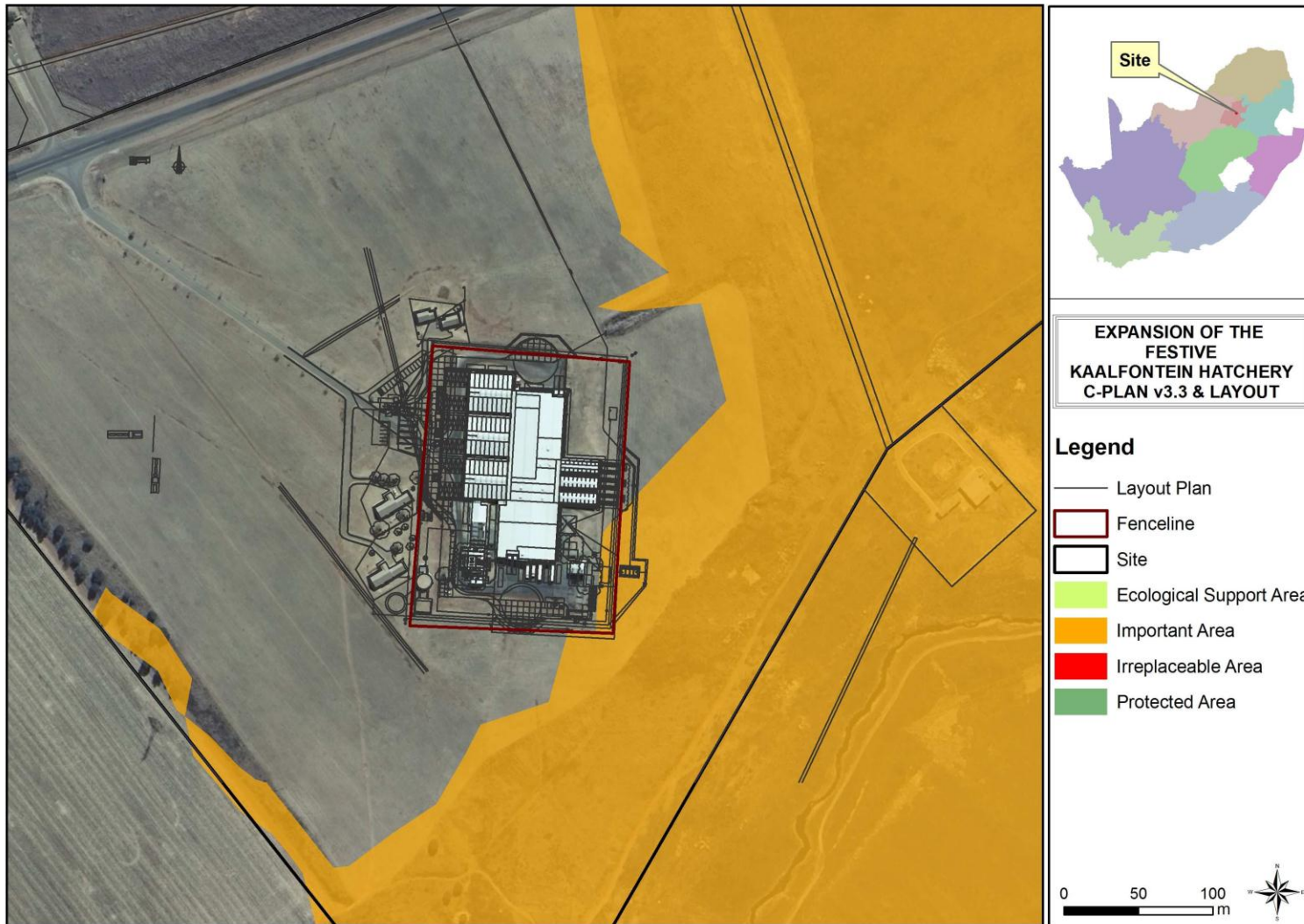
To ensure that all information that the Department needs to be able to process this application, please check that:

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

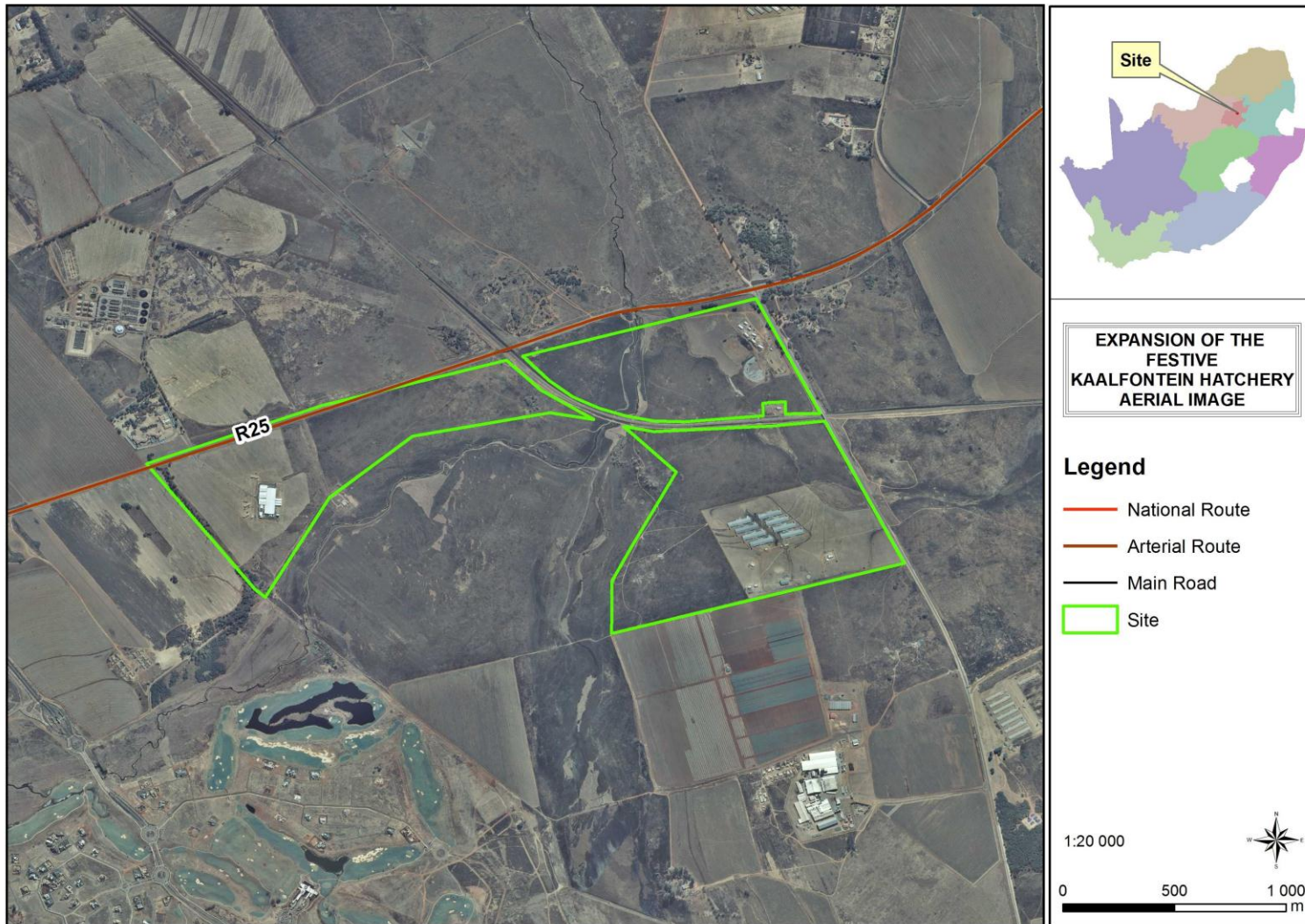
Appendix A: Site plan(s)



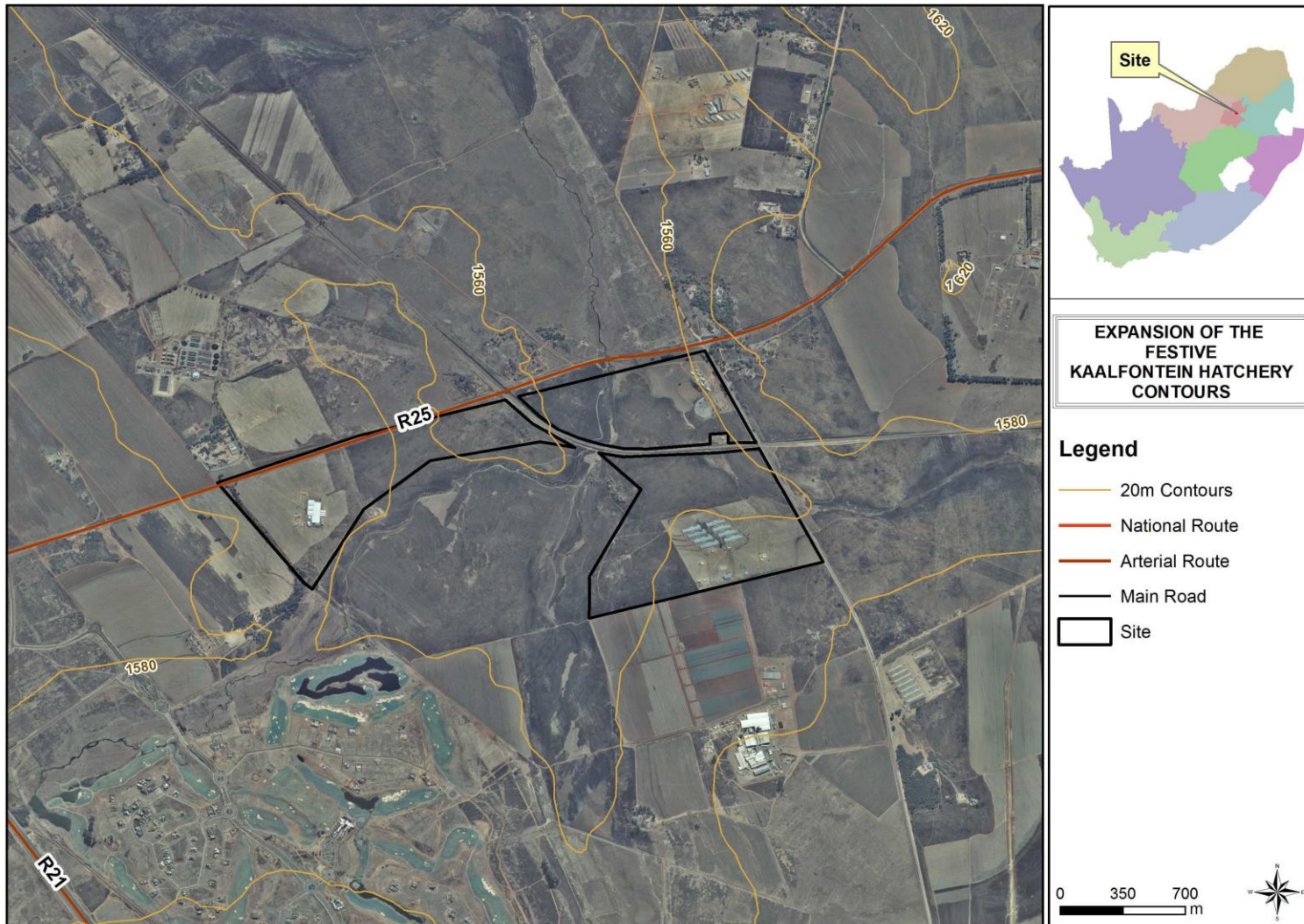
Site locality map



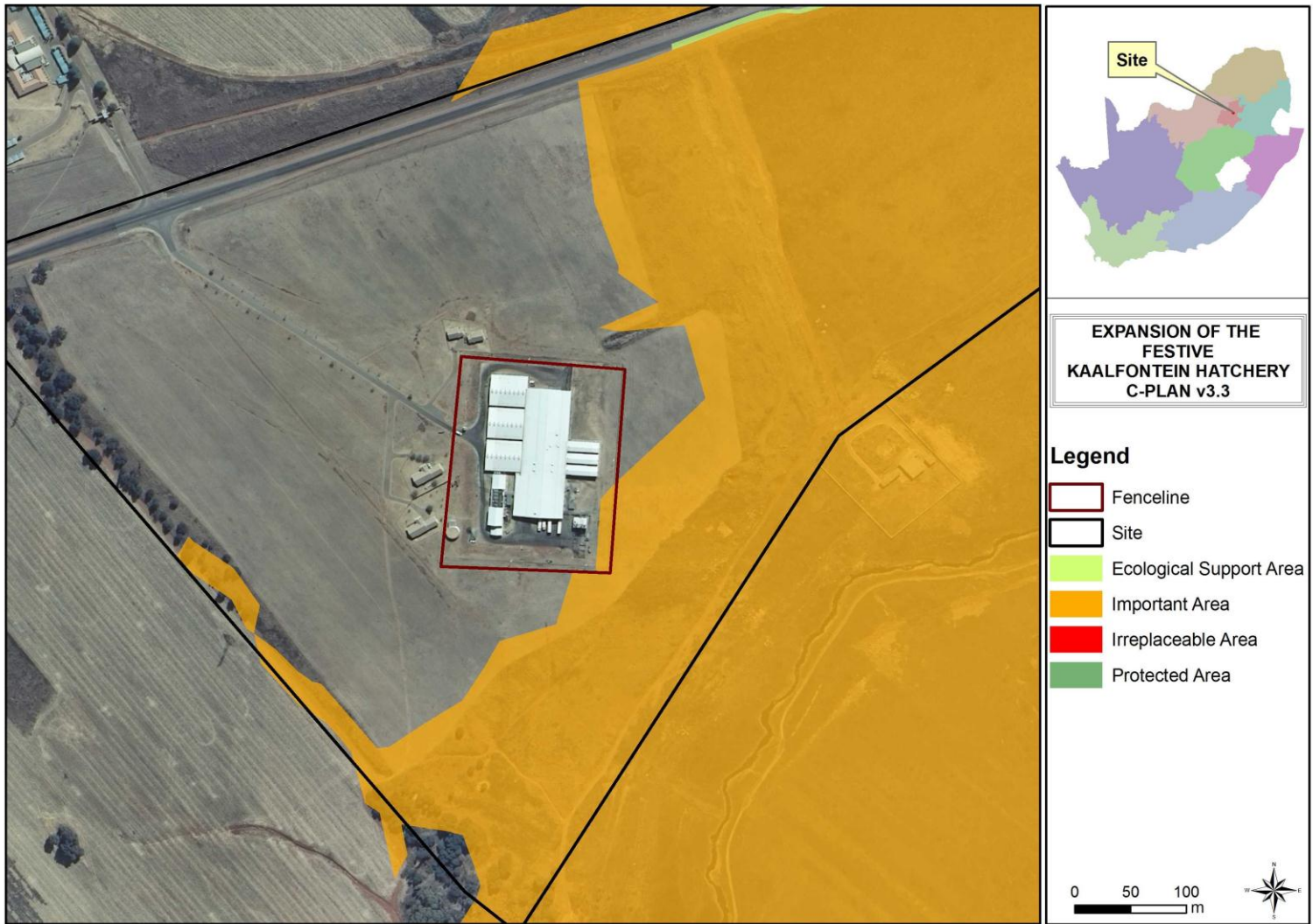
Sensitivity overlay plan



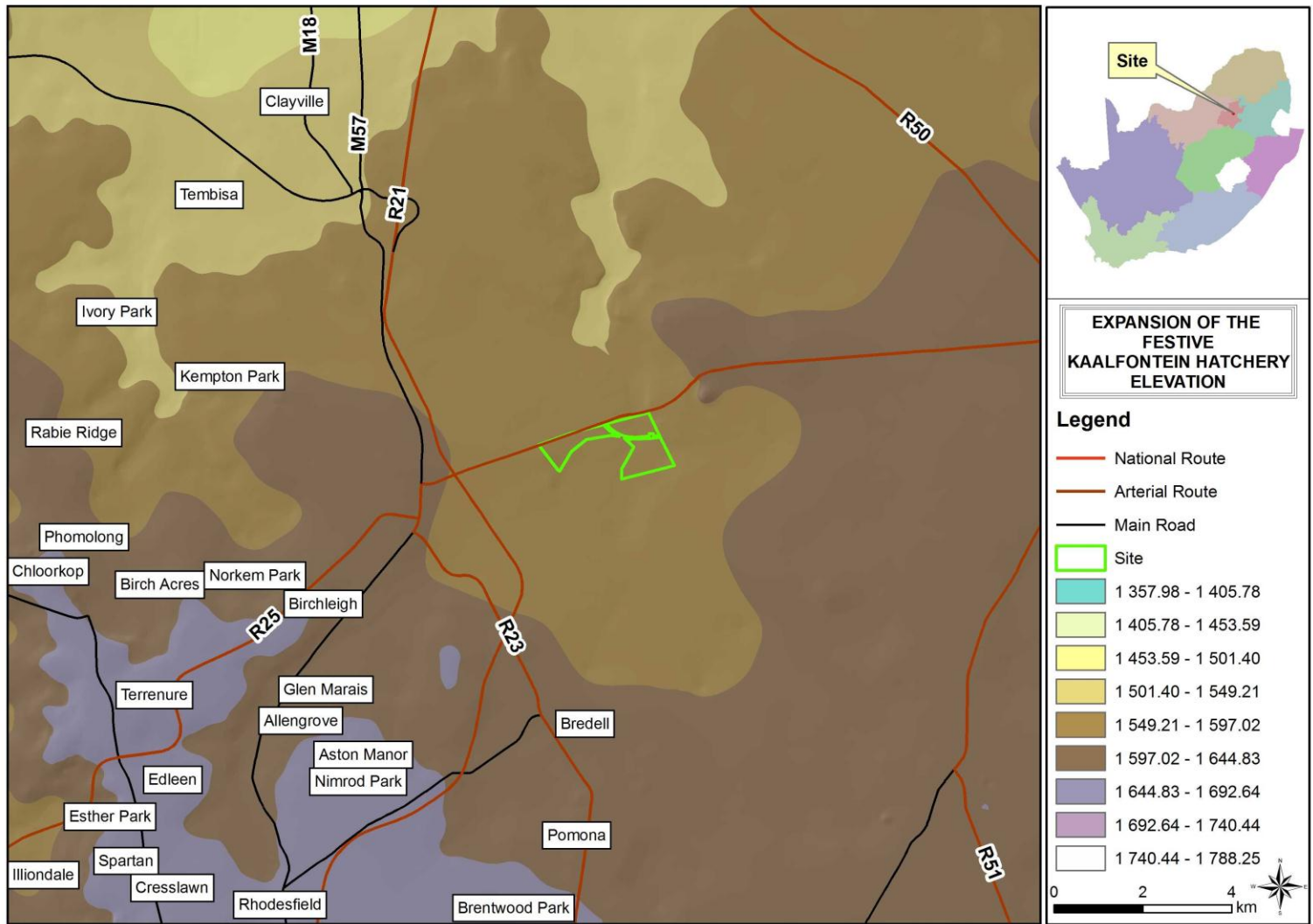
Aerial map of the project property and surrounds



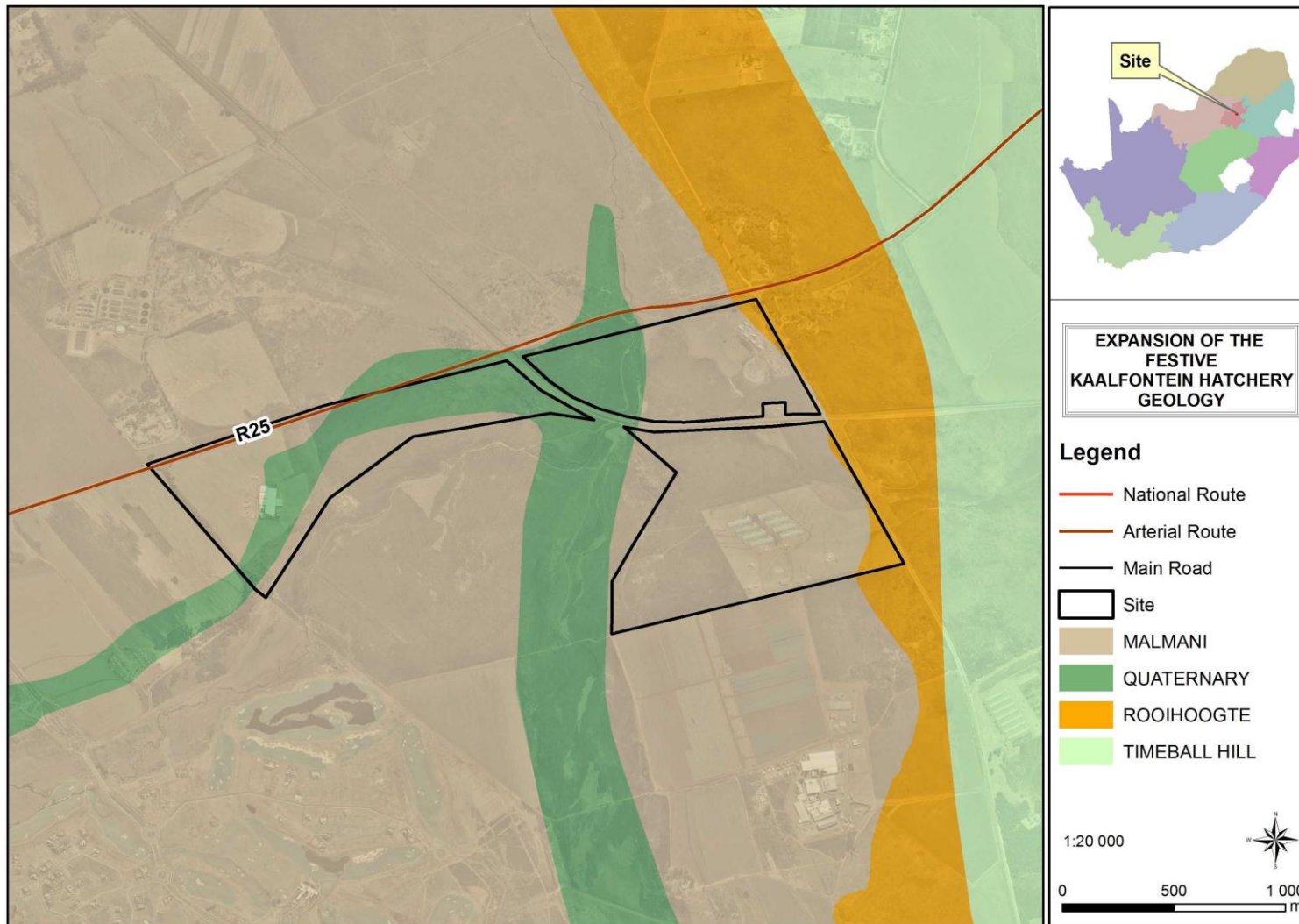
Contour map of the project property and surrounds



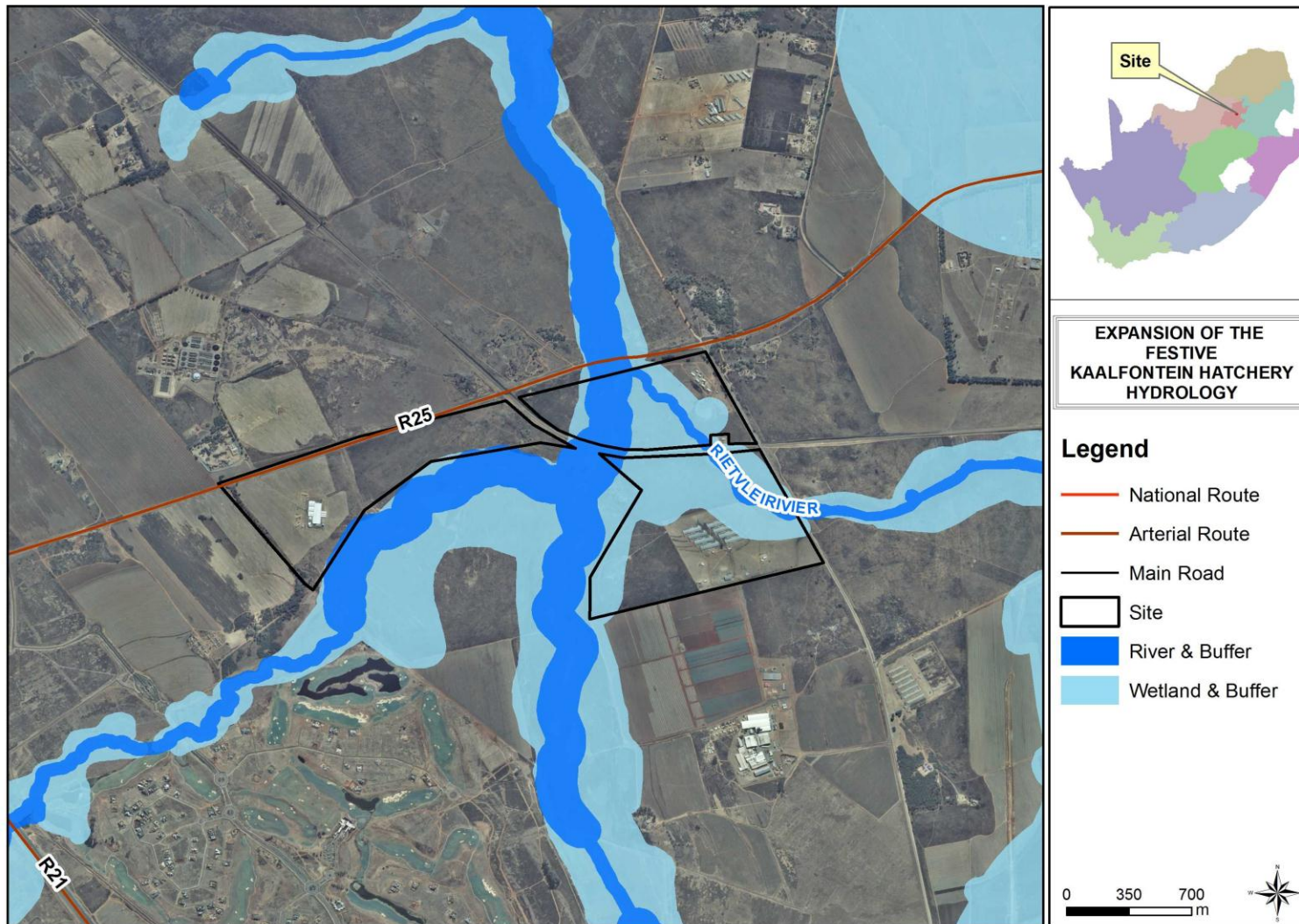
C-Plan map of the site



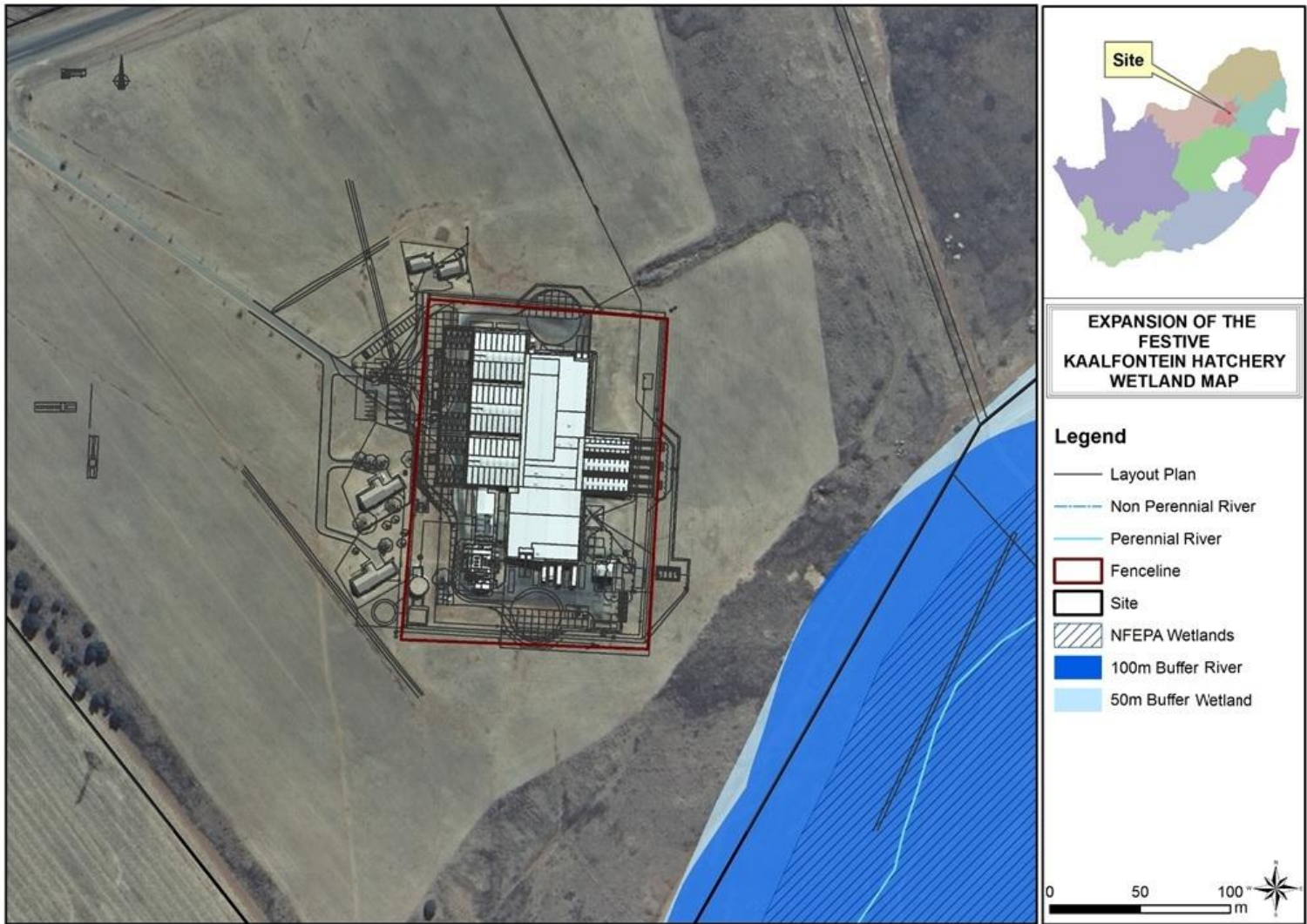
Elevation map of the project property and surrounds



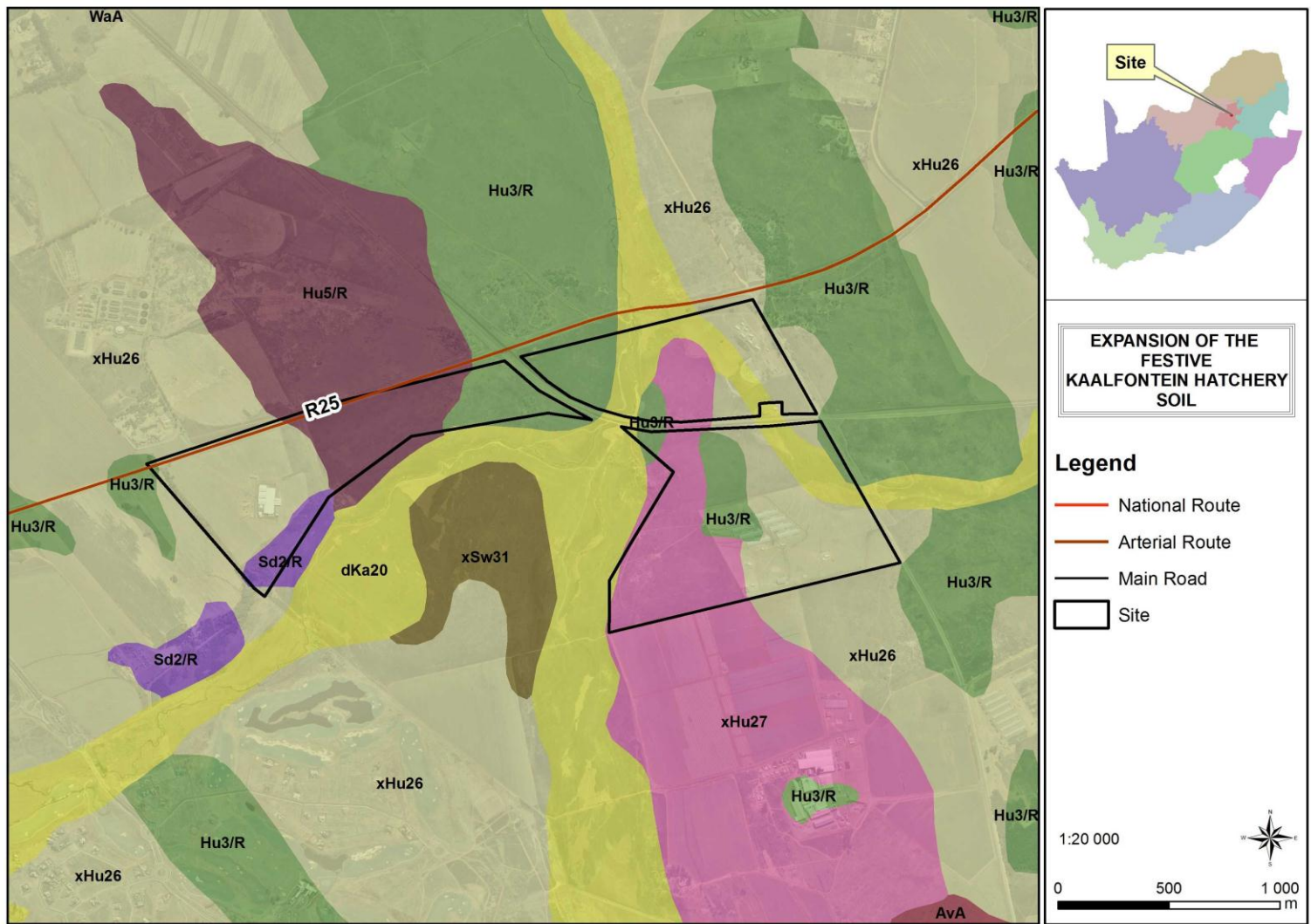
Geology map of the project property and surrounds



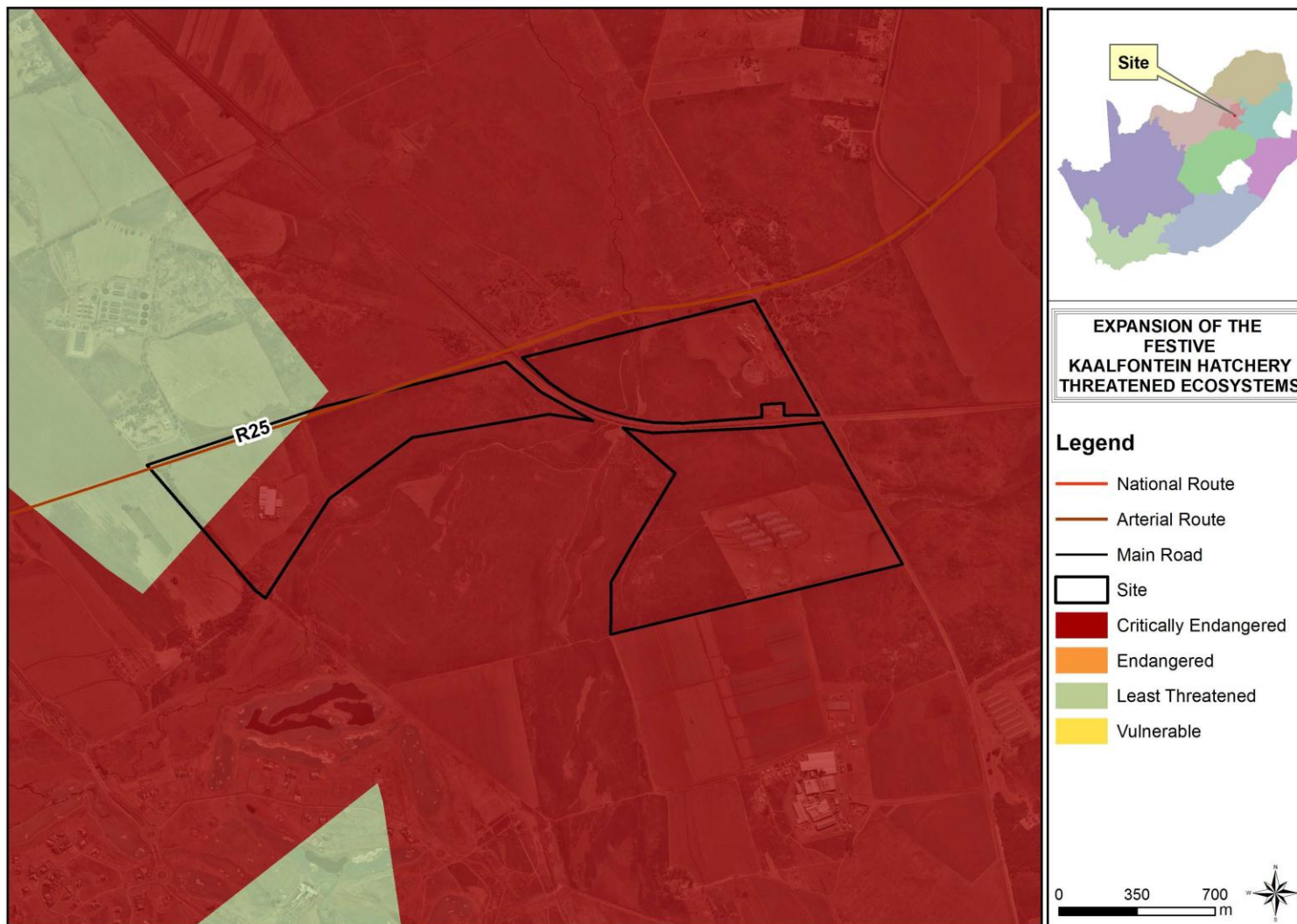
Hydrology map of the project property and surrounds



Hydrology map of the project property



Soil map of the project property and surrounds



Threatened ecosystem map of the project property and surrounds



GAPA IV Designation of the project property and surrounds

Appendix B: Photographs







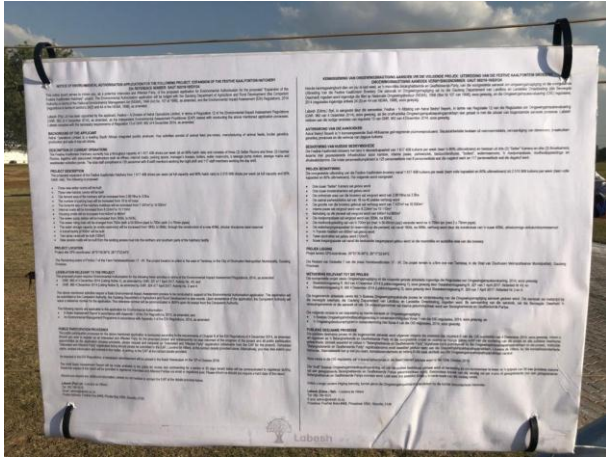


Appendix D: Route position information

Not Applicable.

Appendix E: Public participation information

Appendix 1 – Proof of site notice (for the previous Environmental Authorisation application; proofs for this current application will be included in the final Basic Assessment Report)



NOTICE OF ENVIRONMENTAL AUTHORISATION APPLICATION FOR THE FOLLOWING PROJECT: EXPANSION OF THE FESTIVE KAALFONTEIN HATCHERY
EIA REFERENCE NUMBER: GAUT 00218-19/E0124

This notice board serves to inform you, as a potential interested and affected party, of the proposed application for Environmental Authorisation for the proposed 'Expansion of the Festive Kaalfontein Hatchery' project. The Environmental Authorisation application will be lodged with the Gauteng Department of Agriculture and Rural Development, the Competent Authority in terms of the National Environmental Management Act (NEMA), 1998 (Act No. 107 of 1998), as amended, and the Environmental Impact Assessment (EIA) Regulations, 2014 (regulations in terms of sections 24(5) and 44 of the NEMA, 1998), as amended.

Labesh (Pty) Ltd has been appointed by the applicant, Festive – A Division of Astral Operations Limited, in terms of Regulation 12 of the Environmental Impact Assessment Regulations (GNR, 982 of 4 December 2014), as amended, as the independent Environmental Assessment Practitioner (EAP) tasked with conducting the above mentioned application processes. Labesh complies with the necessary requirements of Regulation 13 of GNR, 982 of 4 December 2014, as amended.

BACKGROUND OF THE APPLICANT

Astral Operations Limited is a leading South African integrated poultry producer. Key activities consist of animal feed pre-mixes, manufacturing of animal feeds, broiler genetics, production and sale of day-old chicks.

DESCRIPTION OF CURRENT OPERATIONS

The Festive Kaalfontein Hatchery currently has a throughput capacity of 1 617 408 chicks per week (at an 80% hatch rate) and consists of three (3) Setter Rooms and three (3) Hatcher Rooms, together with associated infrastructure such as offices, internal roads, parking space, manager's houses, boilers, water reservoirs, a sewage pump station, sewage mains and wastewater collection ponds. The total staff complement is 125 personnel with 8 staff members working the night shift and 117 staff members working the day shift.

PROJECT DESCRIPTION

The proposed expansion of the Festive Kaalfontein Hatchery from 1 617 408 chicks per week (at full capacity and 80% hatch rate) to 2 515 968 chicks per week (at full capacity and 80% hatch rate). The following is proposed:

- Three new setter rooms will be built
- Three new hatcher rooms will be built
- The fenced area of the hatchery will be increased from 2.861ha to 3.5ha
- The number of parking bays will be increased from 18 to 40 bays
- The footprint size of the hatchery buildings will be increased from 7 437m² to 10 000m²
- Internal roads will be increased from 8 234m² to 10 110m²
- Housing onsite will be increased from 640m² to 860m²
- The sewer pump station will be increased from 300KL to 600KL
- The sewer rising main will be changed from 700m (with a 50-80mm pipe) to 700m (with 2 x 75mm pipes)
- The water storage capacity (in onsite reservoirs) will be increased from 180KL to 589KL through the construction of a new 409KL circular zincalume steel reservoir
- A transit facility of 600m² will be built
- Two spray races will be built (120m²)
- New access roads will be built from the existing access road into the northern and southern parts of the hatchery facility

PROJECT LOCATION

Project site GPS coordinates: 26°01'35.96"S, 28°17'22.64"E

The Remaining extent of Portion 7 of the Farm Hartebeestfontein 17 - JR. The project location is ≈5km to the east of Tembisa, in the City of Ekurhuleni Metropolitan Municipality, Gauteng Province.

LEGISLATION RELEVANT TO THE PROJECT

The proposed project requires Environmental Authorisation for the following listed activities in terms of the Environmental Impact Assessment Regulations, 2014, as amended:

- GNR, 983 of 4 December 2014 (Listing Notice 1), as amended by GNR, 327 of 7 April 2017, Activity No. 43, and
- GNR, 985 of 4 December 2014 (Listing Notice 3), as amended by GNR, 324 of 7 April 2017, Activity No. 2 and 4.

The above mentioned activities require a Basic Environmental Impact Assessment process to be conducted in support of the Environmental Authorisation application. The application will be submitted to the Competent Authority, the Gauteng Department of Agriculture and Rural Development in due course. Upon acceptance of the application, the Competent Authority will issue a reference number for the application. This reference number will be communicated to I&APs upon its receipt from the Competent Authority.

The following reports are applicable to this application for Environmental Authorisation:

- A Basic Assessment Report in accordance with Appendix 1 of the EIA Regulations, 2014, as amended; and
- An Environmental Management Programme in accordance with Appendix 4 of the EIA Regulations, 2014, as amended.

PUBLIC PARTICIPATION PROCESSES

The public participation processes for the above mentioned application is conducted according to the requirements of Chapter 6 of the EIA Regulations of 4 December 2014, as amended. Should you wish to register as an interested and affected party for the proposed project and subsequently be kept informed of the progress of the project and all public participation opportunities as the application process proceeds, please request and complete an 'Interested and Affected Party' registration (obtainable from the EAP for the project). Completed 'Interested and Affected Party' registration forms should please be submitted to the EAP, Lourens de Villiers, at the contact details provided below. Alternatively, you may also submit your name, contact information and interest in the matter, in writing, to the EAP at the contact details provided.

As required in the EIA Regulations, a newspaper advertisement will be placed in the Beeld Newspaper on the 12th of October 2018.

The draft Basic Assessment Report will be made available to the public for review and commenting for a period of 30 days (exact dates will be communicated to registered I&APs). Electronic copies of the report will be provided to registered Interested and Affected Parties via email or registered post. Please inform us should you require a hard copy of the report.

Should you require any additional information, please do not hesitate to contact the EAP at the details provided below.

Labesh (Pty) Ltd - Lourens de Villiers
Tel: 082 789 6525
Email: admin@labesh.co.za
Postal Address: PostNet Box #469, Private Bag X504, Sinoville, 0129

KENNISGEWING VAN OMGEWINGSMAGTING AANSOEK VIR DIE VOLGENDE PROEJ: UITBREIDING VAN DIE FESTIVE KAALFONTEIN BROEIERY
OMGEWINGSMAGTING AANSOEK VERWYSINGSNUMMER: GAUT 00218-19/E0124

Hierdie kennisgewingsbord dien om jou te laat weet, as 'n moontlike belanghebbende en Geïnteresseerde Party, van die voorgestelde aansoek om omgewingsmagtiging vir die voorgestelde Uitbreiding van die Festive Kaalfontein Broeiery. Die aansoek vir Omgewingsmagtiging sal by die Gauteng Departement van Landbou en Landelike Ontwikkeling (die Bevoegde Owerheid) ingedien word ingevolge die Wet op Nasionale Omgewingsbestuur (NEMA), 1998 (Wet Nr 107 van 1998), soos gewysig, en die Omgewingsimpakbeoordeling (OIE) regulasies, 2014 (regulasies ingevoegde artikels 24 (5) en 44 van NEMA, 1998), soos gewysig.

Labesh (Edms.) Bpk. is aangestel deur die aansoeker, Festive - 'n Afdeling van Astral Bedryf Bepex, in terme van Regulasie 12 van die Regulasies oor Omgewingsimpakbeoordeling (GNR, 982 van 4 Desember 2014), soos gewysig, as die onafhanklike Omgewingsimpakbeoordelingspraktisyn wat getaak is met die uitvoer van bogenoemde aansoek prosesse. Labesh voldoen aan die nodige vereistes van regulasie 13 van GNR, 982 van 4 Desember 2014, soos gewysig.

AGTERGROND VAN DIE AANSOEKER

Astral Bedryf Bepex is 'n toonaangewende Suid-Afrikaanse geïntegreerde pluimveeproducent. Sleutelaktiwiteite bestaan uit voervoermiddels, vervaardiging van dierevoere, braai-kuiken-genetika, produksie en die verkoop van dagoue kuikens.

BESKRYWING VAN HUIDIGE BEDRYWINGHEDE

Die Festive Kaalfontein-broeiery het tans 'n deursnitkapasiteit van 1 617 408 kuikens per week (teen 'n 80% uitbroei koers) en bestaan uit drie (3) 'Setter' Kamers en drie (3) Broeikamers, tesame met geïntegreerde infrastruktuur soos kantore, interne paaie, parkeerplek, bestuurdershuise, 'boilers', waterreservoirs, 'n rooipompstasie, rooioortuiplydings en afvalwaterdamme. Die totale personeelkomplement is 125 personeellede met 8 personeellede wat die nagskof werk en 117 personeellede wat die dagskof werk.

PROEJ BESKRYWING

Die voorgestelde uitbreiding van die Festive Kaalfontein-broeiery vanaf 1 617 408 kuikens per week (teen volle kapasiteit en 80% uitbroei koers) tot 2 515 968 kuikens per week (teen volle kapasiteit en 80% uitbroei koers). Die volgende word voorgestel:

- Drie nuwe 'Setter' Kamers sal gebou word
- Drie nuwe broeierskamers sal gebou word
- Die omtrentde area van die broeiery sal vergroot word van 2.861ha na 3.5ha
- Die aantal parkeerplekke sal van 18 na 40 plekke verhoog word
- Die grootte van die broeiery geboue sal verhoog word van 7 437m² na 10 000m²
- Interne paaie sal vergroot word van 8 234m² na 10 110m²
- Behuising op die perseel sal vergroot word van 640m² na 860m²
- Die rooipompstasie sal vergroot word van 300KL na 600KL
- Die rooioortuiplyding sal van 'n 700m lyn (met 'n 50-80mm pyp) verander word na 'n 700m lyn (met 2 x 75mm pype)
- Die waterbergingkapasiteit (in reservoors op die perseel) sal vanaf 180KL na 589KL verhoog word deur die konstruksie van 'n nuwe 409KL sirkelvormige sinkaluminiumreservoir
- 'n Transit fasiliteit van 600m² sal gebou word
- Twee spuitkuse sal gebou word (120m²)
- Nuwe toegangspaaie sal vanaf die bestaande toegangspad gebou word vir die noordelike en suidelike dele van die broeiery

PROEJ LIGGING

Project terrein GPS-koördinate: 26°01'35.96"S, 28°17'22.64"E

Die Restant van Gedeelte 7 van die plaas Hartebeestfontein 17 - JR. Die projek terrein is ≈5km oos van Tembisa, in die Stad van Ekurhuleni Metropolitaanse Munisipaliteit, Gauteng Provinsie.

WETGEWING RELEVANT TOT DIE PROEJ

Die voorgestelde projek vereis Omgewingsmagtiging vir die volgende geïntegreerde aktiwiteite ingevolge die Regulasies oor Omgewingsimpakbeoordeling, 2014, soos gewysig:

- Staatskennisgewing R. 983 van 4 Desember 2014 (Lyskennisgewing 1), soos gewysig deur Staatskennisgewing R. 327 van 7 April 2017, Aktiwiteit Nr 43, en
- Staatskennisgewing R. 985 van 4 Desember 2014 (Lyskennisgewing 3), soos gewysig deur Staatskennisgewing R. 324 van 7 April 2017, Aktiwiteit Nr 2 en 4.

Die bogenoemde aktiwiteite vereis dat 'n Basiese Omgewingsimpakstudie proses ter ondersteuning van die Omgewingsmagtiging aansoek gedoen word. Die aansoek sal mettertyd by die bevoegde owerheid, die Gauteng Departement van Landbou en Landelike Ontwikkeling, ingedien word. By aanvaarding van die aansoek, sal die Bevoegde Owerheid 'n verwysingsnommer vir die aansoek uitreik. Dit verwysingsnommer sal daarna gekommunikeer word aan Belanghebbende en Geïnteresseerde Partye.

Die volgende verslae is van toepassing op hierdie aansoek vir Omgewingsmagtiging:

- 'n Basiese Omgewingsimpakbeoordelingsverslag in ooreenstemming met Bylae 1 van die OIE-regulasies, 2014, soos gewysig; en
- 'n Omgewingsbestuursprogram in ooreenstemming met Bylae 4 van die OIE-regulasies, 2014, soos gewysig.

PUBLIEKE DEELNAME PROSESSE

Die publieke deelname proses vir die bogenoemde aansoek word uitgevoer volgens die vereistes van Hoofstuk 6 van die OIE-regulasies van 4 Desember 2014, soos gewysig. Indien u wil registreer as 'n Belanghebbende en Geïnteresseerde Party vir die voorgestelde projek en daarna op hoogte gehou word van die vordering van die projek en alle publieke deelname geleentehede, versoek asseblief en voltooi 'n 'Belanghebbende en Geïnteresseerde Party' registrasie vorm (verkrygbaar by die Omgewingsimpakbeoordelingspraktisyn vir die projek). Voltooi die 'Belanghebbende en Geïnteresseerde Party' registrasievorm moet asseblief gestuur word aan die Omgewingsimpakbeoordelingspraktisyn, Lourens de Villiers, by die kontakbesonderhede hieronder. Alternatiewelik kan jy ook jou naam, kontakbesonderhede en belang in die saak skriftelik aan die Omgewingsimpakbeoordelingspraktisyn verskaf.

Soos vereis in die OIE-regulasies, sal 'n koerantadvertensie in die Beeld koerant geplaas word op die 12de Oktober 2018.

Die 'draf' Basiese Omgewingsimpakbeoordelingsverslag sal aan die publiek beskikbaar gemaak word vir hersiening en om kommentaar te lewer vir 'n tydperk van 30 dae (presiese datums sal aan geregistreerde Belanghebbende en Geïnteresseerde Partye gekommunikeer word). Elektroniese kopieë van die verslag sal per e-pos of geregistreerde pos aan geregistreerde Belanghebbende en Geïnteresseerde Partye voorsien word. Laat weet ons asseblief indien u 'n harde kopie van die verslag vereis.

Indien u enige verdere inligting benodig, kontak gesus die Omgewingsimpakbeoordelingspraktisyn by die kontak besonderhede hieronder.

Labesh (Edms.) Bpk. - Lourens de Villiers
Tel: 082 789 6525
E-pos: admin@labesh.co.za
Posadres: PostNet Box #469, Private Bag X504, Sinoville, 0129



Appendix 2 – Written notices issued as required in terms of the regulations (for the previous Environmental Authorisation application; written notices for this current application will be included in the final Basic Assessment Report)



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Cell: 082 789 6525
Email: lourens@labesh.co.za

**BACKGROUND INFORMATION DOCUMENT - ENVIRONMENTAL AUTHORISATION APPLICATION
FOR THE FOLLOWING PROJECT: EXPANSION OF THE FESTIVE KAALFONTEIN HATCHERY
EIA REFERENCE NUMBER: GAUT 002/18-19/E0124**

This Background Information Document (BID) serves to inform you, as a potential Interested and Affected Party (I&AP), of the proposed application for Environmental Authorisation for the proposed "Expansion of the Festive Kaalfontein Hatchery" project. The Environmental Authorisation application will be lodged with the Gauteng Department of Agriculture and Rural Development (the Competent Authority) in terms of the National Environmental Management Act (NEMA), 1998 (Act No. 107 of 1998), as amended, and the Environmental Impact Assessment (EIA) Regulations, 2014 (Regulations in terms of sections 24(5) and 44 of the NEMA, 1998), as amended on 7 April 2017.

Labesh (Pty) Ltd has been appointed by the applicant, Festive – A Division of Astral Operations Limited, in terms of Regulation 12 of the Environmental Impact Assessment Regulations (GNR. 982 of 4 December 2014, as amended), as the independent Environmental Assessment Practitioner (EAP) tasked with conducting the above mentioned application processes. Labesh complies with the necessary requirements of Regulation 13 of GNR. 982 of 4 December 2014, as amended.

BACKGROUND OF THE APPLICANT

Astral Operations Limited is a leading, South African integrated poultry producer. Key activities consist of animal feed pre-mixes, manufacturing of animal feeds, broiler genetics, production and the sale of day-old chicks.

DESCRIPTION OF CURRENT OPERATIONS

The Festive Kaalfontein Hatchery currently has a throughput capacity of 1 617 408 chicks per week (at an 80% hatch rate) and consists of three (3) Setter Rooms and three (3) Hatcher Rooms, together with associated infrastructure such as offices, internal roads, parking space, manager's houses, boilers, water reservoirs, a sewage pump station, sewage mains and wastewater collection ponds. The total staff compliment is 125 personnel with 8 staff members working the night shift and 117 staff members working the day shift.

PROJECT DESCRIPTION

The proposed expansion of the Festive Kaalfontein Hatchery from 1 617 408 chicks per week (at full capacity and 80% hatch rate) to 2 515 968 chicks per week (at full capacity and 80% hatch rate). The following is proposed:

- Three new setter rooms will be built
- Three new hatcher rooms will be built
- The fenced area of the hatchery will be increased from 2.8618ha to 3.5ha
- The number of parking bays will be increased from 18 to 40 bays
- The footprint size of the hatchery buildings will be increased from 7 437m² to 10 000m²
- Internal roads will be increased from 8 224m² to 10 110m²
- Housing onsite will be increased from 640m² to 860m²
- The sewer pump station will be increased from 300kL to 600kL
- The sewer rising main will be changed from 700m (with a 50-80mm pipe) to 700m (with 2 x 75mm pipes)
- The water storage capacity (in onsite reservoirs) will be increased from 180kL to 589kL through the construction of a new 409kL circular zincalume steel reservoir
- A transit facility of 600m² will be built
- Two spray races will be built (120m²)
- New access roads will be built from the existing access road into the northern and southern parts of the hatchery facility



Labesh
ability to sustain

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Email: lourens@labesh.co.za

PROJECT LOCATION

Project site GPS coordinates: 26°01'35.96"S; 28°17'22.64"E

Project property: Remaining extent of Portion 7 of the Farm Hartebeestfontein 17 - IR

The project location is ±5km to the east of Tembisa, in the City of Ekurhuleni Metropolitan Municipality, Gauteng Province. A locality map is attached to this BID.

LEGISLATION RELEVANT TO THE PROJECT

The proposed project requires Environmental Authorisation for the following listed activities in terms of the Environmental Impact Assessment Regulations, 2014, as amended:

- GNR. 983 of 4 December 2014 (Listing Notice 1), as amended by GNR. 327 of 7 April 2017: Activity No. 43; and
- GNR. 985 of 4 December 2014 (Listing Notice 3), as amended by GNR. 324 of 7 April 2017: Activity No. 2 and 4.

The above mentioned activities require a Basic Environmental Impact Assessment process to be conducted in support of the Environmental Authorisation application. The application will be submitted to the Competent Authority, the Gauteng Department of Agriculture and Rural Development in due course. Upon acceptance of the application, the Competent Authority will issue a reference number for the application. This reference number will be communicated to I&APs upon its receipt from the Competent Authority.

The following reports are applicable to this application for Environmental Authorisation:

- A Basic Assessment Report in accordance with Appendix 1 of the EIA Regulations, 2014, as amended; and
- An Environmental Management Programme in accordance with Appendix 4 of the EIA Regulations, 2014, as amended.

PUBLIC PARTICIPATION PROCESSES

The public participation processes for the above mentioned applications are conducted according to the requirements of Chapter 6 of the EIA Regulations of 4 December 2014, as amended.

Should you wish to register as an Interested and Affected Party for the proposed project and subsequently be kept informed of the progress of the project and all public participation opportunities as the application process proceeds, please complete the "Interested and Affected Party" registration form that forms part of this BID. Completed "Interested and Affected Party" registration forms should please be submitted to the EAP for the project, Lourens de Villiers, at the contact details provided below. Alternatively, you may also submit your name, contact information and interest in the matter, in writing, to the EAP at the contact details provided.

As required in the EIA Regulations, site notice boards will be/have been placed on the project property boundary and a newspaper advertisement will be/have been placed in the Beeld Newspaper on the 12th of October 2018.

The draft Basic Assessment Report will be made available to the public for review and commenting for a period of 30 days (exact dates will be communicated to registered I&APs). Electronic copies of the report will be provided to registered Interested and Affected Parties via email or registered post. Please inform us should you require a hard copy of the report.



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Email: lourens@labesh.co.za

Should you require any additional information, please do not hesitate to contact the EAP at the details provided below.

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Lourens de Villiers
Tel: 082 789 6525
Email: admin@labesh.co.za
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Email: lourens@labesh.co.za

October 11, 2018

Attention to: Adjacent Land Owner

**NOTIFICATION OF ENVIRONMENTAL AUTHORISATION APPLICATION FOR THE FOLLOWING
PROJECT: EXPANSION OF THE FESTIVE KAALFONTEIN HATCHERY
EIA REFERENCE NUMBER: GAUT 002/18-19/E0124**

This letter serves to inform you, as a potential Interested and Affected Party (I&AP), of the proposed application for Environmental Authorisation for the proposed "Expansion of the Festive Kaalfontein Hatchery" project. The Environmental Authorisation application will be lodged with the Gauteng Department of Agriculture and Rural Development (the Competent Authority) in terms of the National Environmental Management Act (NEMA), 1998 (Act No. 107 of 1998), as amended, and the Environmental Impact Assessment Regulations, 2014 (Regulations in terms of sections 24(5) and 44 of the NEMA, 1998), as amended. For this Environmental Authorisation application, a Basic Environmental Impact Assessment process will be conducted.

The following table provides a brief summary of the project details. A Background Information Document (BID) is attached to this notification letter and contains more details regarding the proposed project. Please also find attached an "Interested and Affected Party" registration form. This form should please be completed should you wish to register as an Interested and Affected Party for the proposed project and subsequently be kept informed of the progress of the project and all public participation opportunities as the application process proceeds. Completed "Interested and Affected Party" registration forms should please be submitted to the Environmental Assessment Practitioner (EAP) for the project, Lourens de Villiers, at the contact details provided below. Alternatively, you may also submit your name, contact information and interest in the matter, in writing, to the EAP at the contact details provided.

Project Applicant	Festive – A Division of Astral Operations Limited
Project EIA Reference Number	Gaut 002/18-19/E0124
Project Name	Expansion of the Festive Kaalfontein Hatchery
Project Location	Remaining extent of Portion 7 of the Farm Hartebeestfontein 17 - IR
Project GPS Coordinates	26°01'35.96"S; 28°17'22.64"E
Environmental Assessment Practitioner for the project	Labesh (Pty) Ltd - Lourens de Villiers Tel: 082 789 6525 Email: admin@labesh.co.za Postal Address: PostNet Box #469, Private Bag X504, Sinoville, 0129

Please do not hesitate to contact us should you require any additional information or if any of the information provided in this letter is unclear.

Regards,

Lourens de Villiers
Managing Director and Environmental Assessment Practitioner



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Email: lourens@labesh.co.za

October 15, 2018

City of Ekurhuleni Metropolitan Municipality – Ward 25

Attention to: Mr Pieter Jacobus Henning

NOTIFICATION OF ENVIRONMENTAL AUTHORISATION APPLICATION FOR THE FOLLOWING PROJECT: EXPANSION OF THE FESTIVE KAALFONTEIN HATCHERY

EIA REFERENCE NUMBER: GAUT 002/18-19/E0124

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Please do not hesitate to contact us should you require any additional information or if any of the information provided in this letter is unclear.

Regards,

Lourens de Villiers
Managing Director and Environmental Assessment Practitioner



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October 15, 2018

City of Ekurhuleni Metropolitan Municipality
P.O. Box 13
Kempton Park
1620

Attention to: Mr Jerry Chaka

**NOTIFICATION OF ENVIRONMENTAL AUTHORISATION APPLICATION FOR THE FOLLOWING
PROJECT: EXPANSION OF THE FESTIVE KAALFONTEIN HATCHERY
EIA REFERENCE NUMBER: GAUT 002/18-19/E0124**

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Please do not hesitate to contact us should you require any additional information or if any of the information provided in this letter is unclear.

Labesh (Pty) Ltd.



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October 15, 2018

Department of Water and Sanitation – A21A Quaternary Catchment

Attention to: Mr Thato Mjona

**NOTIFICATION OF ENVIRONMENTAL AUTHORISATION APPLICATION FOR THE FOLLOWING
PROJECT: EXPANSION OF THE FESTIVE KAALFONTEIN HATCHERY**

EIA REFERENCE NUMBER: GAUT 002/18-19/E0124

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Please do not hesitate to contact us should you require any additional information or if any of the information provided in this letter is unclear.

Regards,

Lourens de Villiers
Managing Director and Environmental Assessment Practitioner

Labesh (Pty) Ltd.



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October 15, 2018

Department of Mineral Resources – Gauteng Region
Private Bag X59
Arcadia
0007

Attention to: Regional Manager: Sunday Mabaso

**NOTIFICATION OF ENVIRONMENTAL AUTHORISATION APPLICATION FOR THE FOLLOWING
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 Call: 082 789 6525
 Email: lourens@labesh.co.za

October 15, 2018

Gauteng Department of Agriculture and Rural Development
 P.O. Box 8769
 Johannesburg
 2000

Attention to: HOD: Mr Nhlakanipho Nkontwana

NOTIFICATION OF ENVIRONMENTAL AUTHORISATION APPLICATION FOR THE FOLLOWING PROJECT: EXPANSION OF THE FESTIVE KAALFONTEIN HATCHERY
EIA REFERENCE NUMBER: GAUT 002/18-19/E0124

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Project Applicant	Festive – A Division of Astral Operations Limited
Project EIA Reference Number	Gaut 002/18-19/E0124
Project Name	Expansion of the Festive Kaalfontein Hatchery
Project Location	Remaining extent of Portion 7 of the Farm Hartebeestfontein 17 - IR
Project GPS Coordinates	26°01'35.96"S; 28°17'22.64"E
Environmental Assessment Practitioner for the project	Labesh (Pty) Ltd - Lourens de Villiers Tel: 082 789 6525 Email: admin@labesh.co.za Postal Address: PostNet Box #469, Private Bag X504, Sinoville, 0129

Please do not hesitate to contact us should you require any additional information or if any of the information provided in this letter is unclear.

Labesh (Pty) Ltd.



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 Cell: 082 789 6525
 Email: lourens@labesh.co.za

October 15, 2018

Gauteng Department of Community Safety
 P.O. Box 62440
 Marshalltown
 2107

Attention to: HOD: Ms Yoliswa Makhasi

NOTIFICATION OF ENVIRONMENTAL AUTHORISATION APPLICATION FOR THE FOLLOWING PROJECT: EXPANSION OF THE FESTIVE KAALFONTEIN HATCHERY
EIA REFERENCE NUMBER: GAUT 002/18-19/E0124

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October 15, 2018

Gauteng Department of Co-operative Governance and Traditional Affairs
Private Bag X86
Marshalltown
2107

Attention to: Ms Thandeka Mbassa

**NOTIFICATION OF ENVIRONMENTAL AUTHORISATION APPLICATION FOR THE FOLLOWING
PROJECT: EXPANSION OF THE FESTIVE KAALFONTEIN HATCHERY
EIA REFERENCE NUMBER: GAUT 002/18-19/E0124**

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Labesh (Pty) Ltd.



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October 15, 2018

Gauteng Department of Economic Development
Private Bag X091
Marshalltown
2107

Attention to: Acting HOD: Mr Makhukhu Mampuru

**NOTIFICATION OF ENVIRONMENTAL AUTHORISATION APPLICATION FOR THE FOLLOWING
PROJECT: EXPANSION OF THE FESTIVE KAALFONTEIN HATCHERY
EIA REFERENCE NUMBER: GAUT 002/18-19/E0124**

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Please do not hesitate to contact us should you require any additional information or if any of the information provided in this letter is unclear.

Labesh (Pty) Ltd.



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October 15, 2018

Gauteng Department of Economic Development
Private Bag X091
Marshalltown
2107

Attention to: HOD: Ms Phindile Mbarjwa

**NOTIFICATION OF ENVIRONMENTAL AUTHORISATION APPLICATION FOR THE FOLLOWING
PROJECT: EXPANSION OF THE FESTIVE KAALFONTEIN HATCHERY
EIA REFERENCE NUMBER: GAUT 002/18-19/E0124**

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Please do not hesitate to contact us should you require any additional information or if any of the information provided in this letter is unclear.

Labesh (Pty) Ltd.



October 15, 2018

Gauteng Department of Health
Private Bag X085
Marshalltown
2107

Attention to: HOD: Professor Mkhululi Lukhele

Postnet Box 469, Private Bag X504, Sinoville, 0129
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Email: lourens@labesh.co.za

**NOTIFICATION OF ENVIRONMENTAL AUTHORISATION APPLICATION FOR THE FOLLOWING
PROJECT: EXPANSION OF THE FESTIVE KAALFONTEIN HATCHERY
EIA REFERENCE NUMBER: GAUT 002/18-19/E0124**

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Labesh (Pty) Ltd.



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October 15, 2018

Gauteng Department of Human Settlements
Private Bag X79
Marshalltown
2107

Attention to: HOD: Ms Matilda M. Gasela

**NOTIFICATION OF ENVIRONMENTAL AUTHORISATION APPLICATION FOR THE FOLLOWING
PROJECT: EXPANSION OF THE FESTIVE KAALFONTEIN HATCHERY
EIA REFERENCE NUMBER: GAUT 002/18-19/E0124**

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Labesh (Pty) Ltd.



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October 15, 2018

Gauteng Department of Infrastructure Development
Private Bag X83
Marshalltown
2107

Attention to: HOD: Mr Bethuel Netshiswinzhe

**NOTIFICATION OF ENVIRONMENTAL AUTHORISATION APPLICATION FOR THE FOLLOWING
PROJECT: EXPANSION OF THE FESTIVE KAALFONTEIN HATCHERY
EIA REFERENCE NUMBER: GAUT 002/18-19/E0124**

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Labesh (Pty) Ltd.



October 15, 2018

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Gauteng Department of Roads and Transport
P.O. Box X88
Marshalltown
2107

Attention to: HOD: Mr Ronald Swartz

**NOTIFICATION OF ENVIRONMENTAL AUTHORISATION APPLICATION FOR THE FOLLOWING
PROJECT: EXPANSION OF THE FESTIVE KAALFONTEIN HATCHERY
EIA REFERENCE NUMBER: GAUT 002/18-19/E0124**

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Labesh (Pty) Ltd.



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October 15, 2018

Gauteng Department of Social Development
P.O. Box 8769
Johannesburg
2000

Attention to: Acting HOD: Mr Makhukhu Mampuru

**NOTIFICATION OF ENVIRONMENTAL AUTHORISATION APPLICATION FOR THE FOLLOWING
PROJECT: EXPANSION OF THE FESTIVE KAALFONTEIN HATCHERY
EIA REFERENCE NUMBER: GAUT 002/18-19/E0124**

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Please do not hesitate to contact us should you require any additional information or if any of the information provided in this letter is unclear.

Labesh (Pty) Ltd.



October 15, 2018

Postnet Box 469, Private Bag X504, Sinoville, 0129
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Email: lourens@labesh.co.za

South African Heritage Resources Agency (SAHRA)
P.O. Box 4637
Cape Town
8000

Attention to: To whom it may concern

**NOTIFICATION OF ENVIRONMENTAL AUTHORISATION APPLICATION FOR THE FOLLOWING
PROJECT: EXPANSION OF THE FESTIVE KAALFONTEIN HATCHERY
EIA REFERENCE NUMBER: GAUT 002/18-19/E0124**

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Please do not hesitate to contact us should you require any additional information or if any of the information provided in this letter is unclear.

Labesh (Pty) Ltd.



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December 6, 2018

South African Heritage Resources Agency (SAHRA)
P.O. Box 4637
Cape Town
8000

Case ID: 13030

Attention to: Andrew Salomon

DRAFT BASIC ASSESSMENT REPORT AVAILABLE FOR REVIEW
ENVIRONMENTAL AUTHORISATION APPLICATION FOR THE FOLLOWING PROJECT:
EXPANSION OF THE FESTIVE KAALFONTEIN HATCHERY
EIA REFERENCE NUMBER: GAUT 002/18-19/E0124

This letter serves to inform you, as an Interested and Affected Party, that the draft Basic Assessment Report for the proposed Expansion of the Festive Kaalfontein Hatchery project is available for public review and commenting, as required in terms of the Environmental Impact Assessment Regulations, 2014.

Please find attached an electronic copy of the Draft Basic Assessment Report and relevant annexures for your perusal.

Should you have any comments on the Draft Basic Assessment Report, they should please be submitted in writing to Labesh before or on the 1st of February 2019, at the contact details provided in the table below (and not the contact details of the letterhead).

The Environmental Authorisation (EA) application has been lodged with the Gauteng Department of Agriculture and Rural Development (the Competent Authority [CA]) in terms of the National Environmental Management Act (NEMA), 1998 (Act No. 107 of 1998), as amended, and the Environmental Impact Assessment Regulations, 2014 (Regulations in terms of sections 24(5) and 44 of the NEMA, 1998) and a Reference Number has been allocated by the Competent Authority, as stipulated in the table below.

Project Applicant	Festive – A Division of Astral Operations Limited
Project EIA Reference Number	Gaut 002/18-19/E0124
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Please do not hesitate to contact us should you require any additional information or if any of the information provided in this letter is unclear.

Dashboard | Wikicom x EXPANSION OF THE FESTIVE KAALFONTEIN HATCHERY x

https://www.sahra.org.za/sahris/cases/expansion-festive-kaalfontein-hatchery

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Heritage Cases

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EXPANSION OF THE FESTIVE KAALFONTEIN HATCHERY

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CaseHeader LocationInfo Admin

Status: SUBMITTED

HeritageAuthority(s): SAHRA

Case Type: Section 38 (B) - Statutory Comment Required

Development Type: Industrial - Light

ProposalDescription:
The proposed expansion of the Festive Kaalfontein Hatchery from 1 617 408 chicks per week (at full capacity and 80% hatch rate) to 2 515 908 chicks per week (at full capacity and 80% hatch rate).

ApplicationDate: Thursday, October 11, 2018 - 19:42

CaseID: 13030

Applicants: Festive - A Division of Astral Operations Limited

Consultants/Experts: Lourens de Villiers

OtherReferences:

Dept	CaseReference	Date	FinalDecision
GDARD	GAUT 002/18-19/E6124		

ReferenceList:

AdditionalDocuments

1. South African Heritage Resources Agency (SAHRA).pdf
2. BID_Final.pdf
3. Draft BAR Public Review notification letter
4. BASIC ASSESSMENT REPORT_Expansion of the Festive Kaalfontein Hatchery_Final.pdf
5. Expansion of the Festive Kaalfontein Hatchery_Draft EMP_December 2018.pdf

Official Decisions & Comments

Date	Dec Status
15/11/2018	Letter

Back to Top

Chat (7)

12:34 07/12/2018

Labesh Admin

From: Labesh Admin <admin@labesh.co.za>
Sent: 06 December 2018 15:53
To: 'asalomon@sahra.org.za'
Subject: Public Participation Notification - Draft Basic Assessment Report - Environmental Authorisation Application: Expansion of the Festive Kaalfontein Hatchery - GAUT 002/18-19/E0124 (Case ID: 13030)

Importance: High

Attention: Mr Andrew Salomon

Good day

As an Interested and Affected Party, you are hereby notified that the Draft Basic Assessment Report for the following project is available for public review and commenting, as required in terms of the Environmental Impact Assessment Regulations, 2014, as amended in 2017:

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EIA Reference Number: GAUT: 002/18-19/E0124

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<https://www.dropbox.com/sh/x960epvu6zqdwta/AAC3BNDUjNqHqIF1-HVjnzTaa?dl=0>

Should you have any comments on the Draft Basic Assessment Report, they should please be submitted in writing to Labesh before or on the **1st of February 2019** (the end of the 30 day review period). Please make use of one of the following contact methods (email is preferred):

Email: admin@labesh.co.za
Post: Postnet Box 469, Private Bag X504, Sinoville, 0129

I am currently unable to access the SAHRIS website. As soon as I can access the website, I will load the Draft Basic Assessment Report and annexures onto SAHRIS for your perusal.

Please do not hesitate to contact us should you require any further information in this regard or should you not be able to access the reports. The Draft Basic Assessment Report itself can also be sent through via a number of emails, upon request.

Regards

Lizette Crous

On behalf of

Lourens de Villiers
Managing Director
Cell: 082 789 6525
Tel: 087 230 8462
Fax: 086 406 0431
Email: lourens@labesh.co.za

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Private Bag X504
Sinoville 0129



Labesh
Environmental Impact Assessment

Labesh Admin

From: Labesh Admin <admin@labesh.co.za>
Sent: 06 December 2018 15:39
To: 'jerry.chaka@ekurhuleni.gov.za'
Subject: Public Participation Notification - Draft Basic Assessment Report - Environmental Authorisation Application: Expansion of the Festive Kaalfontein Hatchery - GAUT 002/18-19/E0124

Importance: High

Attention: Mr Jerry Chaka

Good day

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Regards

Lizette Crous

On behalf of

Lourens de Villiers
Managing Director
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Fax: 086 406 0431
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Labesh
Environmental Services



Labesh Admin

From: Labesh Admin <admin@labesh.co.za>
Sent: 06 December 2018 15:38
To: 'pieter.henning@ekurhuleni.gov.za'
Subject: Public Participation Notification - Draft Basic Assessment Report - Environmental Authorisation Application: Expansion of the Festive Kaalfontein Hatchery - GAUT 002/18-19/E0124

Importance: High

Attention: Mr Pieter Jacobus Henning

Good day

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Regards

Lizette Crous

On behalf of

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Sinoville 0129



Labesh Admin

From: Labesh Admin <admin@labesh.co.za>
Sent: 06 December 2018 15:44
To: 'sunday.mabaso@dmr.gov.za'
Subject: Public Participation Notification - Draft Basic Assessment Report - Environmental Authorisation Application: Expansion of the Festive Kaalfontein Hatchery - GAUT 002/18-19/E0124

Importance: High

Attention: Regional Manager: Sunday Mabaso

Good day

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Regards

Lizette Crous

On behalf of

Lourene de Villiers
Managing Director
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Labesh
Environmental Services



Labesh Admin

From: Labesh Admin <admin@labesh.co.za>
Sent: 06 December 2018 15:44
To: 'mjonat@dws.gov.za'
Subject: Public Participation Notification - Draft Basic Assessment Report - Environmental Authorisation Application: Expansion of the Festive Kaalfontein Hatchery - GAUT 002/18-19/E0124

Importance: High

Attention: Thato Mjona

Good day

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Regards

Lizette Crous

On behalf of

Lourens de Villiers
Managing Director
Cell: 082 789 6525
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Fax: 086 406 0431
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Labesh Admin

From: Labesh Admin <admin@labesh.co.za>
Sent: 06 December 2018 15:40
To: 'Nhlakanipho.Nkontwana@gauteng.gov.za'
Subject: Public Participation Notification - Draft Basic Assessment Report - Environmental Authorisation Application: Expansion of the Festive Kaalfontein Hatchery - GAUT 002/18-19/E0124

Importance: High

Attention: HOD: Mr Nhlakanipho Nkontwana

Good day

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Regards

Lizette Crous

On behalf of

Laurens de Villiers
Managing Director
Cell: 082 789 6525
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Email: laurens@labesh.co.za

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Labesh
Environmental Solutions



Labesh Admin

From: Labesh Admin <admin@labesh.co.za>
Sent: 06 December 2018 15:41
To: 'siphomaseko2@gauteng.gov.za'
Subject: Public Participation Notification - Draft Basic Assessment Report - Environmental Authorisation Application: Expansion of the Festive Kaalfontein Hatchery - GAUT 002/18-19/E0124

Importance: High

Attention: HOD: Ms Yoliswa Makhasi

Good day

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Regards

Lizette Crous

On behalf of

Laurens de Villiers
Managing Director
Cell: 082 789 6525
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Fax: 086 408 0431
Email: laurens@labesh.co.za

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Labesh
SINOVILLE



Labesh Admin

From: Labesh Admin <admin@labesh.co.za>
Sent: 06 December 2018 15:41
To: 'Thandeka.Mbassa@gauteng.gov.za'
Subject: Public Participation Notification - Draft Basic Assessment Report - Environmental Authorisation Application: Expansion of the Festive Kaalfontein Hatchery - GAUT 002/18-19/E0124

Importance: High

Attention: HOD: Ms Thandeka Mbassa

Good day

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Regards

Lizette Crous

On behalf of

Lourens de Villiers
Managing Director
Cell: 082 789 6525
Tel: 087 230 8462
Fax: 088 408 0431
Email: lourens@labesh.co.za

Postnet Box 469
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Labesh
Environmental Assessment & Consulting

Labesh Admin

From: Labesh Admin <admin@labesh.co.za>
Sent: 06 December 2018 15:42
To: 'Makhukhu.Mampuru@gauteng.gov.za'
Subject: Public Participation Notification - Draft Basic Assessment Report - Environmental Authorisation Application: Expansion of the Festive Kaalfontein Hatchery - GAUT 002/18-19/E0124

Importance: High

Attention: Acting HOD: Mr Makhukhu Mampuru

Good day

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Regards

Lizette Crous

On behalf of

Laurens de Villiers
Managing Director
Cell: 082 789 6525
Tel: 087 230 8462
Fax: 086 408 0431
Email: laurens@labesh.co.za

Postnet Box 469
Private Bag X504
Sinoville 0129



Labesh
Environmental Impact Assessment

Labesh Admin

From: Labesh Admin <admin@labesh.co.za>
Sent: 06 December 2018 15:41
To: 'Phindile.Mbanjwa@gauteng.gov.za'
Cc: 'Mmatshapo.Seabela@gauteng.gov.za'
Subject: Public Participation Notification - Draft Basic Assessment Report - Environmental Authorisation Application: Expansion of the Festive Kaalfontein Hatchery - GAUT 002/18-19/E0124

Importance: High

Attention: HOD: Ms. Phindile Mbanjwa

Good day

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Lizette Crous

On behalf of

Laurens de Villiers
Managing Director
Cell: 082 789 6525
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Fax: 086 408 0431
Email: laurens@labesh.co.za

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Private Bag X504
Sinoville 0129

Labesh
Environmental Services



Labesh Admin

From: Labesh Admin <admin@labesh.co.za>
Sent: 06 December 2018 15:39
To: 'Maureen.motjelele@gauteng.gov.za'
Subject: Public Participation Notification - Draft Basic Assessment Report - Environmental Authorisation Application: Expansion of the Festive Kaalfontein Hatchery - GAUT 002/18-19/E0124

Importance: High

Attention: HOD: Professor Mkhululi Lukhele

Good day

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Lizette Crous

On behalf of

Lourens de Villiers
Managing Director
Cell: 082 789 6525
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Email: lourens@labesh.co.za

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Labesh
Environmental Impact Assessment



Labesh Admin

From: Labesh Admin <admin@labesh.co.za>
Sent: 06 December 2018 15:38
To: 'khanyisa.nkuna@gauteng.gov.za'
Subject: Public Participation Notification - Draft Basic Assessment Report - Environmental Authorisation Application: Expansion of the Festive Kaalfontein Hatchery - GAUT 002/18-19/E0124

Importance: High

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Lizette Crous

On behalf of

Lourens de Villiers
Managing Director
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Fax: 086 408 0431
Email: lourens@labesh.co.za

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Labesh
Environmental Assessment



Labesh Admin

From: Labesh Admin <admin@labesh.co.za>
Sent: 06 December 2018 15:42
To: 'caroline.msibi@gauteng.gov.za'
Subject: Public Participation Notification - Draft Basic Assessment Report - Environmental Authorisation Application: Expansion of the Festive Kaalfontein Hatchery - GAUT 002/18-19/E0124

Importance: High

Attention: HOD: Ms Matilda M Gasela

Good day

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Regards

Lizette Crous

On behalf of

Laurens de Villiers
Managing Director
Cell: 082 789 6525
Tel: 087 230 8462
Fax: 086 406 0431
Email: laurens@labesh.co.za

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Private Bag X504
Sinoville 0129



Labesh
Environmental & Social Consultants

Labesh Admin

From: Labesh Admin <admin@labesh.co.za>
Sent: 06 December 2018 15:42
To: 'tumelo.maimane@gauteng.gov.za'
Subject: Public Participation Notification - Draft Basic Assessment Report - Environmental Authorisation Application: Expansion of the Festive Kaalfontein Hatchery - GAUT 002/18-19/E0124

Importance: High

Attention: HOD: Mr Bethuel Netshiswinzhe

Good day

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On behalf of

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Managing Director
Cell: 082 789 6525
Tel: 087 230 8462
Fax: 086 408 0431
Email: laurens@labesh.co.za

Postnet Box 469
Private Bag X504
Sinoville 0129



Labesh
Environmental Services

Labesh Admin

From: Labesh Admin <admin@labesh.co.za>
Sent: 06 December 2018 15:43
To: 'Ronald.Swartz@gauteng.gov.za'
Cc: 'gproads.transport@gauteng.gov.za'
Subject: Public Participation Notification - Draft Basic Assessment Report - Environmental Authorisation Application: Expansion of the Festive Kaalfontein Hatchery - GAUT 002/18-19/E0124

Importance: High

Attention: HOD: Mr Ronald Swartz

Good day

As an Interested and Affected Party, you are hereby notified that the Draft Basic Assessment Report for the following project is available for public review and commenting, as required in terms of the Environmental Impact Assessment Regulations, 2014, as amended in 2017:

Environmental Authorisation Application for the following project: Expansion of the Festive Kaalfontein Hatchery (Remaining extent of Portion 7 of the Farm Hartebeestfontein 17 - IR)
EIA Reference Number: GAUT: 002/18-19/E0124

The Draft Basic Assessment Report and relevant annexures can be accessed using the following link:
<https://www.dropbox.com/sh/x960epyu6zgdwtg/AAC3BNDUjNqHqIF1-HVjnzTaa?dl=0>

Should you have any comments on the Draft Basic Assessment Report, they should please be submitted in writing to Labesh before or on the **1st of February 2019** (the end of the 30 day review period). Please make use of one of the following contact methods (email is preferred):

Email: admin@labesh.co.za
Post: Postnet Box 469, Private Bag X504, Sinoville, 0129

Please do not hesitate to contact us should you require any further information in this regard or should you not be able to access the reports. The Draft Basic Assessment Report itself can also be sent through via a number of emails, upon request.

Regards

Lizette Crous

On behalf of

Lourens de Villiers
Managing Director
Cell: 082 789 6525
Tel: 087 230 8462
Fax: 086 406 0431
Email: lourens@labesh.co.za

Postnet Box 469
Private Bag X504
Sinoville 0129



Labesh
Environmental Impact Assessment

Labesh Admin

From: Labesh Admin <admin@labesh.co.za>
Sent: 06 December 2018 15:40
To: 'makhukhu.mampuru@gauteng.gov.za'
Subject: Public Participation Notification - Draft Basic Assessment Report - Environmental Authorisation Application: Expansion of the Festive Kaalfontein Hatchery - GAUT 002/18-19/E0124

Importance: High

Attention: Acting HOD: Mr Makhukhu Mampuru

Good day

As an Interested and Affected Party, you are hereby notified that the Draft Basic Assessment Report for the following project is available for public review and commenting, as required in terms of the Environmental Impact Assessment Regulations, 2014, as amended in 2017:

Environmental Authorisation Application for the following project: Expansion of the Festive Kaalfontein Hatchery (Remaining extent of Portion 7 of the Farm Hartebeestfontein 17 - IR)
EIA Reference Number: GAUT: 002/18-19/E0124

The Draft Basic Assessment Report and relevant annexures can be accessed using the following link:
<https://www.dropbox.com/sh/x960epvu6zqqlwtg/AAC3BNDUjNgHgIF1-HVjnzTaa?dl=0>

Should you have any comments on the Draft Basic Assessment Report, they should please be submitted in writing to Labesh before or on the **1st of February 2019** (the end of the 30 day review period). Please make use of one of the following contact methods (email is preferred):

Email: admin@labesh.co.za
Post: Postnet Box 469, Private Bag X504, Sinoville, 0129

Please do not hesitate to contact us should you require any further information in this regard or should you not be able to access the reports. The Draft Basic Assessment Report itself can also be sent through via a number of emails, upon request.

Regards

Lizette Crous

On behalf of

Lourens de Villiers
Managing Director
Cell: 082 789 6525
Tel: 087 230 8462
Fax: 086 408 0431
Email: lourens@labesh.co.za

Postnet Box 469
Private Bag X504
Sinoville 0129

Labesh
SINOVILLE



Labesh Admin

From: Labesh Admin <admin@labesh.co.za>
Sent: 10 December 2018 10:30
To: 'Anel Hietbrink'
Cc: 'Labesh'
Subject: RE: Public Participation Notification - Environmental Authorisation Application: Expansion of the Festive Kaalfontein Hatchery - GAUT 002/18-19/E0124
Attachments: Courier to Ekurhuleni LM.pdf

Good day Anél

I trust this email finds you well.

I would hereby like to inform you that one (1) hard copy and one (1) soft copy of the draft Basic Assessment Report has been delivered to your offices, for attention to Sifiso Ndwandwe. The parcel was also signed for by Sifiso this morning (please see the proof of delivery attached).

I trust you will find this in order.

Regards

Lizette Crous

On behalf of

Lourens de Villiers
Managing Director
Cell: 082 789 6525
Tel: 087 230 8462
Fax: 088 408 0431
Email: lourens@labesh.co.za

Postnet Box 469
Private Bag X504
Simonsville 2012



Labesh
www.labesh.co.za

From: Anel Hietbrink [mailto:Anel.Hietbrink@ekurhuleni.gov.za]
Sent: 18 October 2018 09:50
To: admin@labesh.co.za; lourens@labesh.co.za
Cc: Sifiso Ndwandwe; Cecilia Rakgoale
Subject: RE: Public Participation Notification - Environmental Authorisation Application: Expansion of the Festive Kaalfontein Hatchery - GAUT 002/18-19/E0124

Good day Lourens,

Thank you for the notification.

Please register the Environmental Resource and Waste Management Department of the City OF Ekurhuleni as an I&AP.

The Environmental Resource and Waste Management Department requires one (1) hard copy and one (1) soft copy of the reports to be delivered to our offices.

The reports may be submitted to the following address:

Appendix 3 – Proof of newspaper advertisements (for the previous Environmental Authorisation application; proofs for this current application will be included in the final Basic Assessment Report)

NOTICE OF ENVIRONMENTAL AUTHORISATION APPLICATION FOR THE PROPOSED EXPANSION OF THE FESTIVE KAALFONTEIN HATCHERY. EIA REF NO.: GAUT 002/18-19/E0124. This newspaper advertisement serves to inform you, as a potential Interested and Affected Party (I&AP), of the proposed application for Environmental Authorisation (EA) for the proposed "Expansion of the Festive Kaalfontein Hatchery" project. The EA application will be lodged with the Gauteng Department of Agriculture and Rural Development (Competent Authority) in terms of the National Environmental Management Act (NEMA), 1998 (Act No. 107 of 1998), as amended, and the Environmental Impact Assessment (EIA) Regulations, 2014, as amended. Labesh (Pty) Ltd has been appointed by the applicant, Festive – A Division of Astral Operations Limited, in terms of Regulation 12 of the EIA Regulations (GNR. 982 of 4 December 2014), as amended, as the independent Environmental Assessment Practitioner (EAP) tasked with conducting the above mentioned application processes. Labesh complies with the necessary requirements of Regulation 13 of GNR. 982 of 4 December 2014, as amended. **PROJECT DESCRIPTION:** The proposed expansion of the Festive Kaalfontein Hatchery from 1 617 408 chicks per week (at full capacity and 80% hatch rate) to 2 515 968 chicks per week (at full capacity and 80% hatch rate). The following is proposed: •Three new setter rooms will be built; •Three new hatcher rooms will be built; •The fenced area of the hatchery will be increased from 2.8618ha to 3.5ha; •The number of parking bays will be increased from 18 to 40 bays; •The footprint size of the hatchery buildings will be increased from 7 437m² to 10 000m²; •Internal roads will be increased from 8 224m² to 10 110m²; •Housing onsite will be increased from 640m² to 860m²; •The sewer pump station will be increased from 300kL to 600kL; •The sewer rising main will be changed from 700m (with a 50-80mm pipe) to 700m (with 2 x 75mm pipes); •The water storage capacity (in onsite reservoirs) will be increased from 180kL to 589kL through the construction of a new 409kL circular zincalume steel reservoir; •A transit facility of 600m² will be built; •Two spray races will be built (120m²); •New access roads will be built from the existing access road into the northern and southern parts of the hatchery facility. **PROJECT LOCATION:** Project site GPS coordinates: 26°01'35.96"S; 28°17'22.64"E •The Remaining extent of Portion 7 of the Farm Hartebeestfontein 17 – IR. The project location is ±5km to the east of Tembisa, in the City of Ekurhuleni Metropolitan Municipality, Gauteng Province. **APPLICABLE LEGISLATION:** The proposed project requires EA for the following listed activities in terms of the EIA Regulations, 2014, as amended: •GNR. 983 of 4 December 2014 (Listing Notice 1), as amended by GNR. 327 of 7 April 2017: Activity No. 43; and •GNR. 985 of 4 December 2014 (Listing Notice 3), as amended by GNR. 324 of 7 April 2017: Activity No. 2 and 4. The above mentioned activities require a Basic Environmental Impact Assessment process to be conducted in support of the EA application. The application will be submitted to the Competent Authority in due course. Upon acceptance of the application, the Competent Authority will issue a reference number for the application. This reference number will be communicated to I&APs upon its receipt. **PUBLIC PARTICIPATION PROCESSES:** The public participation processes for the above mentioned applications are conducted according to the requirements of Chapter 6 of the EIA Regulations of 4 December 2014, as amended. Should you wish to register as an I&AP for the proposed project and be kept informed of the progress of the project and public participation opportunities, please request and complete an "Interested and Affected Party" registration form (obtainable from the EAP). Completed I&AP registration forms should please be submitted to the EAP, Lourens de Villiers, at the contact details provided below. Alternatively, you may also submit your name, contact information and interest in the matter, in writing, to the EAP at the contact details provided. As required in the EIA Regulations, site notice boards will be placed on the project property boundary. The draft Basic Assessment Report will be made available to the public for review and commenting for a period of 30 days (exact dates will be communicated to registered I&APs). Electronic copies of the report will be provided to registered I&APs via email or registered post. Please inform us should you require a hard copy of the report. Should you require any additional information, please do not hesitate to contact the EAP at the details provided below. **Labesh (Pty) Ltd:** Lourens de Villiers - Tel: 082 789 6525; Email: admin@labesh.co.za; Postal Address: PostNet Box #469, Private Bag X504, Sinoville, 0129.

NOTICE OF ENVIRONMENTAL AUTHORISATION APPLICATION FOR THE PROPOSED EXPANSION OF THE FESTIVE KAALFONTEIN HATCHERY, EIA REF NO.: GAUT 002/18-19/ED124. This newspaper advertisement serves to inform you, as a potential Interested and Affected Party (I&AP), of the proposed application for Environmental Authorisation (EA) for the proposed "Expansion of the Festive Kaalfontein Hatchery" project. The EA application will be lodged with the Gauteng Department of Agriculture and Rural Development (Competent Authority) in terms of the National Environmental Management Act (NEMA), 1998 (Act No. 107 of 1998), as amended, and the Environmental Impact Assessment (EIA) Regulations, 2014, as amended. Labesh (Pty) Ltd has been appointed by the applicant, Festive – A Division of Astral Operations Limited, in terms of Regulation 12 of the EIA Regulations (GNR. 982 of 4 December 2014), as amended, as the Independent Environmental Assessment Practitioner (EAP) tasked with conducting the above mentioned application processes. Labesh complies with the necessary requirements of Regulation 13 of GNR. 982 of 4 December 2014, as amended.

PROJECT DESCRIPTION: The proposed expansion of the Festive Kaalfontein Hatchery from 1 617 408 chicks per week (at full capacity and 80% hatch rate) to 2 515 968 chicks per week (at full capacity and 80% hatch rate). The following is proposed: • Three new setter rooms will be built; • Three new hatcher rooms will be built; • The fenced area of the hatchery will be increased from 2.8618ha to 3.5ha; • The number of parking bays will be increased from 18 to 40 bays; • The footprint size of the hatchery buildings will be increased from 7 437m² to 10 000m²; • Internal roads will be increased from 8 224m² to 10 110m²; • Housing onsite will be increased from 640m² to 860m²; • The sewer pump station will be increased from 300kL to 600kL; • The sewer rising main will be changed from 700m (with a 50-80mm pipe) to 700m (with 2 x 75mm pipes); • The water storage capacity (in onsite reservoirs) will be increased from 180kL to 589kL through the construction of a new 409kL circular zincalume steel reservoir; • A transit facility of 600m² will be built; • Two spray races will be built (120m²); • New access roads will be built from the existing access road into the northern and southern parts of the hatchery facility.

PROJECT LOCATION: Project site GPS coordinates: 26°01'35.96"S; 28°17'22.64"E • The Remaining extent of Portion 7 of the Farm Hartebeestfontein 17 – JR. The project location is ±5km to the east of Tembisa, in the City of Ekurhuleni Metropolitan Municipality, Gauteng Province.

APPLICABLE LEGISLATION: The proposed project requires EA for the following listed activities in terms of the EIA Regulations, 2014, as amended: • GNR. 983 of 4 December 2014 (Listing Notice 1), as amended by GNR. 327 of 7 April 2017; Activity No. 43; and • GNR. 985 of 4 December 2014 (Listing Notice 3), as amended by GNR. 324 of 7 April 2017; Activity No. 2 and 4. The above mentioned activities require a Basic Environmental Impact Assessment process to be conducted in support of the EA application. The application will be submitted to the Competent Authority in due course. Upon acceptance of the application, the Competent Authority will issue a reference number for the application. This reference number will be communicated to I&APs upon its receipt.

PUBLIC PARTICIPATION PROCESSES: The public participation processes for the above mentioned applications are conducted according to the requirements of Chapter 6 of the EIA Regulations of 4 December 2014, as amended. Should you wish to register as an I&AP for the proposed project and be kept informed of the progress of the project and public participation opportunities, please request and complete an "Interested and Affected Party" registration form (obtainable from the EAP). Completed I&AP registration forms should please be submitted to the EAP, Lourens de Villiers, at the contact details provided below. Alternatively, you may also submit your name, contact information and interest in the matter, in writing, to the EAP at the contact details provided. As required in the EIA Regulations, site notice boards will be placed on the project property boundary. The draft Basic Assessment Report will be made available to the public for review and commenting for a period of 30 days (exact dates will be communicated to registered I&APs). Electronic copies of the report will be provided to registered I&APs via email or registered post. Please inform us should you require a hard copy of the report. Should you require any additional information, please do not hesitate to contact the EAP at the details provided below. Labesh (Pty) Ltd; Lourens de Villiers - Tel: 082 789 6525; Email: admin@labesh.co.za; Postal Address: PostNet Box 7469, Private Bag X504, Sinoville, 0129.

KAALFONTEIN OKT 12 (L) 4045

Appendix 4 – Communications to and from interested and affected parties (for the previous Environmental Authorisation application; communications for this current application will be included in the final Basic Assessment Report)

Labesh Admin

From: Caroline Msibi <Caroline.Msibi@gauteng.gov.za>
Sent: 15 October 2018 12:28
To: Labesh Admin
Cc: Ntshepisen Moloai
Subject: RE: Public Participation Notification - Environmental Authorisation Application: Expansion of the Festive Kaalfontein Hatchery - GAUT 002/18-19/E0124

Dear Sir/Madam,

This serves to acknowledge with thanks receipt of your email, and it shall be brought in the attention of the HOD.

Kind Regards

Caroline Msibi
Personal Assistant : Office of Head of Department
Gauteng Department of Human Settlements
Tel: +27 11 355 4800 **Cell:** +27 (72) 199 9484
Email: caroline.msibi@gauteng.gov.za



Disclaimer:

The Gauteng Provincial Government does not take responsibility for Gauteng Provincial Government users' personal views. Gauteng Provincial Government services available online at www.gautengonline.gov.za - The information contained in this communication from caroline.msibi@gauteng.gov.za sent at 2018-10-15 12:28:18 is confidential and may be legally privileged. It is intended solely for use by admin@labesh.co.za and others authorized to receive it. If you are not admin@labesh.co.za you are hereby notified that any disclosure, copying, distribution or taking action in reliance of the contents of this information is strictly prohibited and may be unlawful.

From: Labesh Admin [mailto:admin@labesh.co.za]
Sent: Monday, 15 October 2018 11:15 AM
To: Caroline Msibi <Caroline.Msibi@gauteng.gov.za>
Subject: Public Participation Notification - Environmental Authorisation Application: Expansion of the Festive Kaalfontein Hatchery - GAUT 002/18-19/E0124
Importance: High

Attention: HOD: Ms Matilda M Gasela

Good day

Please find attached a Notification Letter and Background Information Document relating to the following, for your attention please:

Environmental Authorisation Application for the following project: Expansion of the Festive Kaalfontein Hatchery (Remaining extent of Portion 7 of the Farm Hartebeestfontein 17 - IR)

EIA Reference Number: GAUT 002/18-19/E0124

Kindly please inform us should this information need to be submitted to a different individual than yourself, or should you require this information as a hard copy.

Please do not hesitate to contact us should you require further any information in this regard.

Regards

Lizette Crous – 061 524 2211

On behalf of

Lourens de Villiers
Managing Director
Cell: 082 789 6525
Tel: 087 230 8462
Fax: 086 406 0431
Email: lourens@labesh.co.za



Labesh
LIVING TOGETHER

Postnet Box 469
Private Bag X504
Siyaville 6129

Labesh Admin

From: Labesh Admin <admin@labesh.co.za>
Sent: 15 October 2018 13:55
To: 'Caroline Msibi'
Cc: 'Ntshepiseng Molo'
Subject: RE: Public Participation Notification - Environmental Authorisation Application: Expansion of the Festive Kaalfontein Hatchery - GAUT 002/18-19/E0124

Good day Caroline

Thank you for the confirmation. We take note of your email.

Regards

Lizette

From: Caroline Msibi [mailto:Caroline.Msibi@gauteng.gov.za]
Sent: 15 October 2018 12:28
To: Labesh Admin
Cc: Ntshepiseng Molo
Subject: RE: Public Participation Notification - Environmental Authorisation Application: Expansion of the Festive Kaalfontein Hatchery - GAUT 002/18-19/E0124

Dear Sir/Madam,

This serves to acknowledge with thanks receipt of your email, and it shall be brought in the attention of the HOD.

Kind Regards

Caroline Msibi
Personal Assistant : Office of Head of Department
Gauteng Department of Human Settlements
Tel: +27 11 355 4800 Cell: +27 (72) 199 9484
Email: caroline.msibi@gauteng.gov.za



Disclaimer:

The Gauteng Provincial Government does not take responsibility for Gauteng Provincial Government users' personal views. Gauteng Provincial Government services available online at www.gautengonline.gov.za - The information contained in this communication from caroline.msibi@gauteng.gov.za sent at 2018-10-15 12:28:18 is confidential and may be legally privileged. It is intended solely for use by admin@labesh.co.za and others authorized to receive it. If you are not admin@labesh.co.za you are hereby notified that any disclosure, copying, distribution or taking action in reliance of the contents of this information is strictly prohibited and may be unlawful.

From: Labesh Admin [mailto:admin@labesh.co.za]
Sent: Monday, 15 October 2018 11:15 AM
To: Caroline Msibi <Caroline.Msibi@gauteng.gov.za>

Labesh Admin

From: Anel Hietbrink <Anel.Hietbrink@ekurhuleni.gov.za>
Sent: 18 October 2018 09:50
To: admin@labesh.co.za; lourens@labesh.co.za
Cc: Sifiso Ndwandwe; Cecilia Rakgoale
Subject: RE: Public Participation Notification - Environmental Authorisation Application: Expansion of the Festive Kaalfontein Hatchery - GAUT 002/18-19/E0124

Flag Status: Flagged

Good day Lourens,

Thank you for the notification.

Please register the Environmental Resource and Waste Management Department of the City OF Ekurhuleni as an I&AP.

The Environmental Resource and Waste Management Department requires one (1) hard copy and one (1) soft copy of the reports to be delivered to our offices.

The reports may be submitted to the following address:

Attention: Divisional Head – Legislative Compliance
Environmental Resource & Waste Management Department
City OF Ekurhuleni
Edenvale Civic Centre
cnr Hendrik Potgieter and Van Riebeeck Street
Edenvale
C/O Sifiso Ndwandwe (room 201)

Kind Regards,

Anél Hietbrink

Environmental Assessment Practitioner
Legislative Compliance

Department of Environmental Resource and Waste Management



Telephone : +27 11 999 3387
Email : Anel.Hietbrink@ekurhuleni.gov.za
Website : <http://www.ekurhuleni.com>
Postal : P.O.Box 25
Edenvale
1610
Physical : Edenvale Civic Centre
cnr Hendrik Potgieter and Van Riebeeck Street
Edenvale

From: Cecilia Rakgoale
Sent: Thursday, October 18, 2018 9:44 AM
To: Anel Hietbrink <Anel.Hietbrink@ekurhuleni.gov.za>; Sifiso Ndwandwe <Sifiso.Ndwandwe@ekurhuleni.gov.za>

Labesh Admin

From: Labesh Admin <admin@labesh.co.za>
Sent: 23 October 2018 17:59
To: 'Anel Hietbrink'
Cc: 'Sifiso Ndwandwe'; 'Cecilia Rakgoale'; 'lourens@labesh.co.za'
Subject: RE: Public Participation Notification - Environmental Authorisation Application: Expansion of the Festive Kaalfontein Hatchery - GAUT 002/18-19/E0124

Good day Anel

We hereby confirm receipt of your request for registration as an Interested and Affected Party for the Expansion of the Festive Kaalfontein Hatchery project.

The Environmental Resource and Waste Management Department of the City OF Ekurhuleni has been registered as an Interested and Affected Party for this project.

We also take note of your request for one hard copy and one soft copy of the reports, to be delivered to your offices. We will deliver the reports as soon as they are available for review and commenting.

Regards

Lizette Crous – 061 524 2211

On behalf of

Lourens de Villiers
Managing Director
Cell: 082 789 6525
Tel: 087 230 8462
Fax: 086 406 0431
Email: lourens@labesh.co.za

Postnet Box 489
Private Bag 2504
Simonsville 0129



Labesh
Environmental Authorisation

From: Anel Hietbrink [mailto:Anel.Hietbrink@ekurhuleni.gov.za]
Sent: 18 October 2018 09:50
To: admin@labesh.co.za; lourens@labesh.co.za
Cc: Sifiso Ndwandwe; Cecilia Rakgoale
Subject: RE: Public Participation Notification - Environmental Authorisation Application: Expansion of the Festive Kaalfontein Hatchery - GAUT 002/18-19/E0124

Good day Lourens,

Thank you for the notification.

Please register the Environmental Resource and Waste Management Department of the City OF Ekurhuleni as an I&AP.

The Environmental Resource and Waste Management Department requires one (1) hard copy and one (1) soft copy of the reports to be delivered to our offices.

The reports may be submitted to the following address:

Labesh Admin

From: Labesh Admin <admin@labesh.co.za>
Sent: 10 December 2018 10:30
To: 'Anel Hietbrink'
Cc: 'Labesh'
Subject: RE: Public Participation Notification - Environmental Authorisation Application: Expansion of the Festive Kaalfontein Hatchery - GAUT 002/18-19/E0124
Attachments: Courier to Ekurhuleni LM.pdf

Good day Anél

I trust this email finds you well.

I would hereby like to inform you that one (1) hard copy and one (1) soft copy of the draft Basic Assessment Report has been delivered to your offices, for attention to Sifiso Ndwandwe. The parcel was also signed for by Sifiso this morning (please see the proof of delivery attached).

I trust you will find this in order.

Regards

Lizette Crous

On behalf of

Lourens de Villiers
Managing Director
Cell: 082 789 6525
Tel: 087 230 8462
Fax: 086 406 0431
Email: lourens@labesh.co.za

Postnet Box 469
Private Bag X504
Siroville 0129



Labesh
Environmental Authorisation

From: Anel Hietbrink [mailto:Anel.Hietbrink@ekurhuleni.gov.za]
Sent: 18 October 2018 09:50
To: admin@labesh.co.za; lourens@labesh.co.za
Cc: Sifiso Ndwandwe; Cecilia Rakgoale
Subject: RE: Public Participation Notification - Environmental Authorisation Application: Expansion of the Festive Kaalfontein Hatchery - GAUT 002/18-19/E0124

Good day Lourens,

Thank you for the notification.

Please register the Environmental Resource and Waste Management Department of the City OF Ekurhuleni as an I&AP.

The Environmental Resource and Waste Management Department requires one (1) hard copy and one (1) soft copy of the reports to be delivered to our offices.

The reports may be submitted to the following address:

Memorandum



HEALTH & SOCIAL DEVELOPMENT
DEPARTMENT

TEMBISA CUSTOMER CARE
CENTRE

288 Iqgagqa Section
Cnr Andrew Mapheto & George Nyanga
Tembisa

PO BOX 13
KEMPTON PARK
1620
South Africa
Tel: (011) 899-4218
Fax: 086 625 5964
www.ekurhuleni.gov.za

To: Lizette Crous
Labesh (Pty)Ltd

From: Mr Jerry Chaka
Divisional Head: Environmental Health

Ref: GAUT 002/18-19/E0124

Enq: Tswelopele Molepo

E-mail: tswelopelem@ekurhuleni.gov.za

Date: 18 October 2018

**SUBJECT: Environmental Authorisation Application for the following project:
Expansion of the Festive Kaalfontein Hatchery (Remaining extent of Portion 7 of
the Farm Hartebeestfontein 17 - IR)**

There is no objection from an Environmental Health point of view for the expansion of the above- mentioned property provided the following are applicable to the property and activities thereon:

1. All applicable Environmental Health Legislation are complied with at all times and the causing, allowing or permitting of a Health Nuisance or Health Hazard on the property is prohibited.
2. The premises shall be designed and constructed in accordance with the National Building Regulation and Building Standards Act (Act No. 103 of 1977) as amended, and provide the sanitary and ablution facilities required by the said Act and Regulations.
3. The Tobacco Products Control Act, Act 83 of 1993, as amended and Regulation R975, Notice Relating to Smoking of Tobacco Products in Public Places, 29 September 2000, applies. All indoor or partially enclosed areas shall be non-smoking unless an approved smoking room complying with the above Regulations is provided.
4. The Foodstuffs Cosmetics And Disinfectants Act, 1972 (Act No. 54 of 1972) as amended and Regulation R638 of 22 June 2018, Regulations Governing General Hygiene Requirements For Food Premises And The Transport Of Food

promulgated under said Act shall be complied with and application shall be made to Environmental Health for a Certificate of Acceptability under the Regulation.

5. The premises shall be designed, equipped and operated as per the requirements of the National Environmental Health Norms and Standards for Premises and Acceptable Monitoring Standards For Environmental Health Practitioners, Notice 1229 of 24 December 2015, promulgated under the National Health Act, 2003 (Act No. 61 of 2003).
6. The premises shall be designed, equipped and operated as per the requirements of the Ekurhuleni Metropolitan Municipality Public Health By-Laws, Local Authority Notice 1908 of 27 November 2009, Chapter 13, and application shall be made to the Environmental Health section for a Public Health Permit.

pp A. Chaka

For Mr. J.S. Chaka
Divisional Head: Environmental Health

EXPANSION OF THE FESTIVE KAALFONTEIN HATCHERY

Our Ref: 13030



an agency of the
Department of Arts and Culture

T: +27 21 462 4502 | F: +27 21 462 4509 | E: info@sahra.org.za
South African Heritage Resources Agency | 111 Harrington Street | Cape Town
P.O. Box 4637 | Cape Town | 8001
www.sahra.org.za

Enquiries: Andrew Salomon
Tel: 021 462 4502
Email: asalomon@sahra.org.za
CaseID: 13030

Date: Thursday November 15, 2018
Page No: 1

Letter

In terms of Section 38 of the National Heritage Resources Act (Act 25 of 1999)

Attention: Festive - A Division of Astral Operations Limited

The proposed expansion of the Festive Kaalfontein Hatchery from 1 617 408 chicks per week (at full capacity and 80% hatch rate) to 2 515 968 chicks per week (at full capacity and 80% hatch rate).

Thank you for your notification regarding this development.

In terms of the National Heritage Resources Act, no 25 of 1999, heritage resources, including archaeological or palaeontological sites over 100 years old, graves older than 60 years, structures older than 60 years are protected. They may not be disturbed without a permit from the relevant heritage resources authority. This means that prior to development it is incumbent on the developer to ensure that a **Heritage Impact Assessment** is done. This must include the archaeological component (Phase 1) and any other applicable heritage components. Appropriate (Phase 2) mitigation, which involves recording, sampling and dating sites that are to be destroyed, must be done as required.

The quickest process to follow for the archaeological component is to contract an accredited specialist (see the web site of the Association of Southern African Professional Archaeologists www.asapa.org.za) to provide a Phase 1 Archaeological Impact Assessment Report. This must be done before any large development takes place.

The Phase 1 Impact Assessment Report will identify the archaeological sites and assess their significance. It should also make recommendations (as indicated in section 38) about the process to be followed. For example, there may need to be a mitigation phase (Phase 2) where the specialist will collect or excavate material and date the site. At the end of the process the heritage authority may give permission for destruction of the sites.

Where bedrock is to be affected, or where there are coastal sediments, or marine or river terraces and in potentially fossiliferous superficial deposits, a Palaeontological Desk Top study must be undertaken to assess whether or not the development will impact upon palaeontological resources - or at least a letter of exemption

EXPANSION OF THE FESTIVE KAALFONTEIN HATCHERY

Our Ref: 13030



an agency of the
Department of Arts and Culture

T: +27 21 462 4502 | F: +27 21 462 4509 | E: info@sahra.org.za
South African Heritage Resources Agency | 111 Harrington Street | Cape Town
P.O. Box 4637 | Cape Town | 8001
www.sahra.org.za

Enquiries: Andrew Salomon
Tel: 021 462 4502
Email: asalomon@sahra.org.za
CaseID: 13030

Date: Thursday November 15, 2018
Page No: 2

from a Palaeontologist is needed to indicate that this is unnecessary. If the area is deemed sensitive, a full Phase 1 Palaeontological Impact Assessment will be required and if necessary a Phase 2 rescue operation might be necessary. Please note that a nationwide fossil sensitivity map is now available on SAHRIS to assist applicants with determining the fossil sensitivity of a study area .

If the property is very small or disturbed and there is no significant site the heritage specialist may choose to send a letter to the heritage authority motivating for exemption from having to undertake further heritage assessments.

Any other heritage resources that may be impacted such as built structures over 60 years old, sites of cultural significance associated with oral histories, burial grounds and graves, graves of victims of conflict, and cultural landscapes or viewsapes must also be assessed.

Should you have any further queries, please contact the designated official using the case number quoted above in the case header.

Yours faithfully

Andrew Salomon
Heritage Officer: Archaeology
South African Heritage Resources Agency

Phillip Hine
Acting Manager: Archaeology, Palaeontology and Meteorites Unit
South African Heritage Resources Agency

EXPANSION OF THE FESTIVE KAALFONTEIN HATCHERY

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Date: Thursday November 15, 2018
Page No: 3

ADMIN:
Direct URL to case: <http://www.sahra.org.za/node/513438>
(GDARD, Ref. GAUT 002/18-19/E0124)



**Head of Department:
Environmental Resource and Waste
Management**

Cnr. Van Riebeeck Ave and Hendrik
Potgieter Street
PO Box 25
Edenvale
1610

Enquiries: Anél Hietbrink
Tel: +27 11 999 3387
Email: anel.hietbrink@ekurhuleni.gov.za

Attention: Lourens de Villiers
Labesh
Postnet Box 469
Private Bag X504
Sinoville
0129

Tel: +27 87 230 8462
Cell: +27 82 789 6525
Email: lourens@labesh.co.za

Dear Sir

**Subject: COMMENTS ON THE DRAFT BASIC ASSESSMENT REPORT FOR THE
PROPOSED EXPANSION OF THE FESTIVE KAALFONTEIN HATCHERY,
REMAINING EXTENT OF PORTION 7 OF THE FARM HARTEBEESTFONTEIN 17-
IR, CITY OF EKURHULENI (GAUT 002/18-19/E0124)**

Your Draft Basic Assessment Report, received 11 December 2018 refers.

Herewith kindly find comments by the City of Ekurhuleni.

**Comments from Environmental Resource and Waste Management Department, Legislative
Compliance Division:**

1. The Environmental Resource Management Department in rendering its comments assessed the environmental parameters/constraints of the property against the following environmental management tools:
 - 1.1. Provincial Environmental Management Framework, 2015
 - 1.2. Ekurhuleni Biodiversity and Open Space Strategy (EBOSS), 2008
 - 1.3. The Ekurhuleni Bioregional Plan, 2012
 - 1.4. Applicable Environmental Legislation
2. Based on the above tools and the information contained in the application, the department comment as follows:
 - 2.1. The Department supports the proposed construction of the proposed extension of the Festive Kaalfontein Hatchery, which includes the following:
 - 2.1.1. Construction of three new setter rooms;
 - 2.1.2. Construction of three new hatcher rooms;
 - 2.1.3. Construction of a new 18 strand electric fence;
 - 2.1.4. Construction of additional parking bays as well as a new truck parking bay;
 - 2.1.5. Increased footprint size of the hatchery buildings from 7 437m² to 10 000m²;
 - 2.1.6. Increase internal roads from 8 224m² to 10 110m² as well as two concrete turning circles that will be incorporated into the internal roads (north and south of the hatchery);

*Comments on the Draft Basic assessment Report for the proposed expansion of the Festive Kaalfontein Hatchery,
Remaining Extent of Portion 7 of The Farm Hartebeestfontein 17-IR, City of Ekurhuleni (GAUT 002/18-19/E0124)*

- 2.1.7. Housing onsite will be increased from 640m² to 860m²;
 - 2.1.8. Construct a new 225kL sewer pump station;
 - 2.1.9. Amendment of the existing sewer rising main from 700m (with a 50-80mm pipe) to 700m (with 2 x new HDPE 75mm pipes);
 - 2.1.10. Onsite reservoirs will be increased from 180kL to 589kL through the construction of a new 409kL circular zincalume steel reservoir;
 - 2.1.11. Construct a transit facility of 600m²;
 - 2.1.12. Extension of the existing ablation facilities;
 - 2.1.13. Construction of two new spray races (120m²) and a guard house;
 - 2.1.14. Construction of a wash bay; and
 - 2.1.15. Construction of new interlocking paved access roads from the existing access road into the northern and southern parts of the hatchery facility.
- 2.2. The site proposed development consist of "Critical Biodiversity Areas" (CBA), "Other Natural Areas" and "No Natural Remaining", in terms of the Bioregional Plan 2012. Only a small portion of the new proposed development area fall within CBA2 area, which is also identified as a "Primary Open Space" for *ecological sensitive areas*.
- 2.3. The proposed development sites has ecological and agricultural development constraint with a moderate/low ecological sensitivity rating.
- 2.4. The Gauteng EMF indicate that the proposed development area falls within the following zone:
- 2.4.1. Zone 4, Normal Control Zone.
- 2.5. The site is located within the regulatory zone (500m) of a channeled valley-bottom wetland. The DBAR does not indicate that an application for a Water Use License has been submitted to the National Department of Water and Sanitation for the proposed activities, i.e rising main and new sewer pump station. A copy of the application / formal correspondence from the competent authority must be made available.
- 2.6. The Facilities Illustrations (Appendix C), should be amended to ensure that all proposed infrastructure / line routes etc. are included on the legend.
- 2.7. Measures must be put in place, i.e. sumps / cut off drains, to ensure that no effluent / contaminant enter the stormwater system or adjacent wetland.
- 2.8. Recommendation contained in the following reports must be implemented on site:
- 2.8.1. Comments received from the Health & Social Development Department of the City OF Ekurhuleni, Mr Jerry Chaka, 18 October 2018;
 - 2.8.2. Letter from the South African Heritage Resource Agency (SAHRA), Mr Andrew Salomon, 15 November 2018; and
 - 2.8.3. Environmental Management Programme, Labesh, December 2018.

Comments from City Planning Department – Spatial Planning Division:

There is therefore no objection to the proposed use in terms of the current zoning.

1. The property is zoned "Agriculture" in terms of the Ekurhuleni Town Planning Scheme 2014.
2. It must be noted that this property is within the Urban Development Boundary and may in future be developed for urban / residential uses as indicated in the MSDF & Region B RSDF 2015.

Comments on the Draft Basic assessment Report for the proposed expansion of the Festive Kaalfontein Hatchery, Remaining Extent of Portion 7 of The Farm Hartebeestfontein 17-IR, City of Ekurhuleni (GAUT 002/18-19/E0124)

All activities to be undertaken on the said property must be in accordance with all applicable By-Laws, policies and requirements of the Ekurhuleni Metropolitan Municipality.

It should be noted that, in terms of Section 24F of the NEMA, Act No 107 of 1998, as amended, no listed activity may commence prior to an environmental authorization being granted by the competent authority.

Regards,



MS F. MABINDISA
HEAD OF THE DEPARTMENT:
ENVIRONMENTAL RESOURCE AND WASTE MANAGEMENT

Date: 29/01/2019

Labesh Admin

From: Labesh Admin <admin@labesh.co.za>
Sent: 05 February 2019 16:41
To: 'Sifiso Ndwandwe'
Cc: 'Labesh'; 'Anel Hietbrink'
Subject: FW: Comments on the proposed expansion of the Festive kaalfontein Hatchery.
Attachments: GAUT002-18-19-E0124_DBAR_Festive Kaalfontein Hatchery_Rem Ptn 7 Hartebee....pdf

Good day

We hereby acknowledge receipt of the City of Ekurhuleni's comments, submitted via email on 1 February 2019. Herewith please find our response to the comments that the Municipality has raised:

Comments from Environmental Resource and Waste Management Department, Legislative Compliance Division:

Point 1 – Noted.

Point 2.1 – Noted.

Point 2.2 – Noted.

Point 2.3 – Noted.

Point 2.4 – Noted.

Point 2.5 – It will be confirmed, in conjunction with a wetland specialist and by way of a Risk Assessment (as per the Department of Water and Sanitation's requirements) whether a Water Use Licence application is required for the proposed activities within 500m of the wetland. The necessary process will then be followed.

Point 2.6 – The legend of the Facility Illustration will be amended, as requested. The amended Facility Illustration will be provided once it has been received.

Point 2.7 – This recommendation has been incorporated into the Environmental Management Programme for the proposed development, under both the "Surface and Groundwater" section (this includes Stormwater management) and the "Wetlands" section.

Point 2.8 – Noted.

Comments from City Planning Department — Spatial Planning Division:

Point 1 – Noted.

Point 2 – Noted.

The Municipality's comments and our response above have been incorporated into the Comments and Responses Report and Basic Assessment Report for this project.

Regards

Lizette Kloppers

On behalf of

Lourens de Villiers
Managing Director
Cell: 082 789 6525
Tel: 087 230 8462
Fax: 086 406 0431
Email: lourens@labesh.co.za

Postnet Box 489
Private Bag X504
Johannesburg 2004

Labesh



From: Sifiso Ndwandwe [<mailto:Sifiso.Ndwandwe@ekurhuleni.gov.za>]
Sent: Friday, 01 February 2019 09:51
To: 'lourens@labesh.co.za'
Cc: Anel Hietbrink
Subject: Comments on the proposed expansion of the Festive kaalfontein Hatchery.

Good day

Please find the attached comments on the proposed expansion of the Festive kaalfontein Hatchery.

Regards

Sifiso Ndwandwe
Environmental Legal Administrator
Legislative Compliance
Department of Environmental Resource and Waste Management



City of
Ekurhuleni

Telephone : +27 11 999 3376
Email : Sifiso.ndwandwe@ekurhuleni.gov.za
Website : <http://www.ekurhuleni.com>
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Edenvale
1610
Physical : Edenvale Civic Centre
cnr Hendrik Potgieter and Van Riebeeck
Street
Edenvale

To read City of Ekurhuleni's Disclaimer for this email click on the following address or copy into your Internet browser: <http://www.ekurhuleni.gov.za/email-disclaimer>

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City of
Ekurhuleni

Appendix 5 – Minutes of any public and/or stakeholder meetings

No public or stakeholder meetings have been held.

Appendix 6 - Comments and Responses Report

Comments and Responses Report *(comments from previous Environmental Authorisation application)*

Name	Farm/Association	Date comment received	Method of comments submitted	Comments raised	EAP's Responses
Caroline Msibi	Gauteng Department of Human Settlements	15-10-2018	Email	<p>Dear Sir/Madam,</p> <p>This serves to acknowledge with thanks receipt of your email, and it shall be brought in the attention of the HOD.</p> <p>Kind Regards</p> <p>Caroline Msibi Personal Assistant : Office of Head of Department Gauteng Department of Human Settlements Tel: +27 11 355 4800 Cell: +27 (72) 199 9484 Email: caroline.msibi@gauteng.gov.za</p>	Comments noted.
Anél Hietbrink	City OF Ekurhuleni - Environmental Resource and Waste Management Department	18-10-2018	Email	<p>Good day Lourens,</p> <p>Thank you for the notification.</p> <p>Please register the Environmental Resource and Waste Management Department of the City OF Ekurhuleni as an I&AP.</p> <p>The Environmental Resource and Waste Management Department requires one (1) hard copy and one (1) soft copy of the</p>	<p>Good day Anél</p> <p>We hereby confirm receipt of your request for registration as an Interested and Affected Party for the Expansion of the Festive Kaalfontein Hatchery project.</p> <p>The Environmental Resource and Waste Management Department of the City OF Ekurhuleni has been registered as an Interested and Affected Party for this project.</p>

Name	Farm/Association	Date comment received	Method of comments submitted	Comments raised	EAP's Responses
				<p>reports to be delivered to our offices.</p> <p>The reports may be submitted to the following address:</p> <p>Attention: Divisional Head – Legislative Compliance Environmental Resource & Waste Management Department City OF Ekurhuleni Edenvale Civic Centre cnr Hendrik Potgieter and Van Riebeeck Street Edenvale C/O Sifiso Ndwandwe (room 201)</p> <p>Kind Regards,</p> <p>Anél Hietbrink Environmental Assessment Practitioner Legislative Compliance Department of Environmental Resource and Waste Management</p>	<p>We also take note of your request for one hard copy and one soft copy of the reports, to be delivered to your offices. We will deliver the reports as soon as they are available for review and commenting.</p>
<p>Mr Jerry Chaka Division Head: Environmental Health</p>	<p>City of Ekurhuleni – Health and Social Development Department</p>	<p>18-10-2018</p>	<p>Email</p>	<p>SUBJECT: Environmental Authorisation Application for the following project: Expansion of the Festive Kaalfontein Hatchery (Remaining extent of Portion 7 of the Farm Hartebeestfontein 17 – IR)</p>	<p>Comments noted.</p> <p>The Municipality's requirements have also been included in the Environmental Management Programme for this proposed development.</p>

Name	Farm/Association	Date comment received	Method of comments submitted	Comments raised	EAP's Responses
				<p>There is no objection from an Environmental Health point of view for the expansion of the above-mentioned property provided the following are applicable to the property and activities thereon:</p> <ol style="list-style-type: none"> 1. All applicable Environmental Health Legislation are complied with at all times and the causing, allowing or permitting of a Health Nuisance or Health Hazard on the property is prohibited. 2. The premises shall be designed and constructed in accordance with the National Building Regulation and Building Standards Act (Act No. 103 of 1977) as amended, and provide the sanitary and ablution facilities required by said Act and Regulations. 3. The Tobacco Products Control Act, Act 83 of 1993, as amended and Regulation R975, Notice Relating to Smoking of Tobacco Products in Public Places, 29 September 2000, applies. All indoor or partially enclosed areas shall be non-smoking unless an approved smoking room complying with the above 	

Name	Farm/Association	Date comment received	Method of comments submitted	Comments raised	EAP's Responses
				<p>Regulations is provided.</p> <p>4. The Foodstuffs Cosmetics And Disinfectants Act, 1972 (Act No. 54 of 1972) as amended and Regulation R638 of 22 June 2018, Regulations Governing General Hygiene Requirements For Food Premises And The Transport Of Food promulgated under said Act shall be complied with and application shall be made to Environmental Health for a Certificate of Acceptability under the Regulation.</p> <p>5. The premises shall be designed, equipped and operated as per the requirements of the National Environmental Health Norms and Standards for Premises and Acceptable Monitoring Standards For Environmental Health Practitioners, Notice 1229 of 24 December 2015, promulgated under the National Health Act, 2003 (Act No. 61 of 2003).</p> <p>6. The premises shall be designed, equipped and operated as per the requirements of the Ekurhuleni Metropolitan Municipality Public Health By-Laws, Local Authority</p>	

Name	Farm/Association	Date comment received	Method of comments submitted	Comments raised	EAP's Responses
				<p>Notice 1908 of 27 November 2009, Chapter 13, and application shall be made to the Environmental Health section for a Public Health Permit.</p>	
Andrew Salomon	South African Heritage Resources Agency (SAHRA)	15-11-2018	SAHRIS Website	<p>CaseID: 13030 In terms of Section 38 of the National Heritage Resources Act (Act 25 of 1999)</p> <p>Attention: Festive - A Division of Astral Operations Limited</p> <p>The proposed expansion of the Festive Kaalfontein Hatchery from 1 617 408 chicks per week (at full capacity and 80% hatch rate) to 2 515 968 chicks per week (at full capacity and 80% hatch rate).</p> <p>Thank you for your notification regarding this development.</p> <p>In terms of the National Heritage Resources Act, no 25 of 1999, heritage resources, including archaeological or palaeontological sites over 100 years old, graves older than 60 years, structures older than 60 years are protected. They may not be disturbed without a permit from the relevant heritage resources authority. This means that prior to development it is incumbent on the</p>	<p>The comments are noted and are being addressed.</p> <p>Labesh has initiated discussions with an Archaeologists in terms of the requirements from SAHRA. It is expected that a letter motivating for exemption from having to undertake any further heritage assessments will in due course be submitted to SAHRA by the specialist.</p>

Name	Farm/Association	Date comment received	Method of comments submitted	Comments raised	EAP's Responses
				<p>developer to ensure that a Heritage Impact Assessment is done. This must include the archaeological component (Phase 1) and any other applicable heritage components. Appropriate (Phase 2) mitigation, which involves recording, sampling and dating sites that are to be destroyed, must be done as required.</p> <p>The quickest process to follow for the archaeological component is to contract an accredited specialist (see the web site of the Association of Southern African Professional Archaeologists www.asapa.org.za) to provide a Phase 1 Archaeological Impact Assessment Report. This must be done before any large development takes place.</p> <p>The Phase 1 Impact Assessment Report will identify the archaeological sites and assess their significance. It should also make recommendations (as indicated in section 38) about the process to be followed. For example, there may need to be a mitigation phase (Phase 2) where the specialist will collect or excavate material and date the site. At the end of the process the heritage authority may give permission for destruction of the sites.</p> <p>Where bedrock is to be affected, or where there are coastal sediments, or marine or</p>	

Name	Farm/Association	Date comment received	Method of comments submitted	Comments raised	EAP's Responses
				<p>river terraces and in potentially fossiliferous superficial deposits, a Palaeontological Desk Top study must be undertaken to assess whether or not the development will impact upon palaeontological resources - or at least a letter of exemption from a Palaeontologist is needed to indicate that this is unnecessary. If the area is deemed sensitive, a full Phase 1 Palaeontological Impact Assessment will be required and if necessary a Phase 2 rescue operation might be necessary. Please note that a nationwide fossil sensitivity map is now available on SAHRIS to assist applicants with determining the fossil sensitivity of a study area.</p> <p>If the property is very small or disturbed and there is no significant site the heritage specialist may choose to send a letter to the heritage authority motivating for exemption from having to undertake further heritage assessments.</p> <p>Any other heritage resources that may be impacted such as built structures over 60 years old, sites of cultural significance associated with oral histories, burial grounds and graves, graves of victims of conflict, and cultural landscapes or viewsapes must also be assessed. Should you have any further queries,</p>	

Name	Farm/Association	Date comment received	Method of comments submitted	Comments raised	EAP's Responses
				please contact the designated official using the case number quoted above in the case header.	
Ms F. Mabindisa	Head of the Department: Environmental Resource and Waste Management - City of Ekurhuleni	01-02-2019	Email	<p>Subject: COMMENTS ON THE DRAFT BASIC ASSESSMENT REPORT FOR THE PROPOSED EXPANSION OF THE FESTIVE KAALFONTEIN HATCHERY, REMAINING EXTENT OF PORTION 7 OF THE FARM HARTEBEESTFONTEIN 17- IR, CITY OF EKURHULENI (GAUT 002/18-1 9/E0124)</p> <p>Your Draft Basic Assessment Report, received 11 December 2018 refers.</p> <p>Herewith kindly find comments by the City of Ekurhuleni.</p> <p>Comments from Environmental Resource and Waste Management Department, Legislative Compliance Division:</p> <p>1. The Environmental Resource Management Department in rendering its comments assessed the environmental parameters/constraints of the property against the following environmental Management tools:</p> <p>1.1. Provincial Environmental Management Framework, 2015</p> <p>1.2. Ekurhuleni Biodiversity and Open Space Strategy (EBOSS), 2008</p> <p>1.3. The Ekurhuleni Bioregional Plan,</p>	<p>Good day</p> <p>We hereby acknowledge receipt of the City of Ekurhuleni's comments, submitted via email on 1 February 2019. Herewith please find our response to the comments that the Municipality has raised:</p> <p>Comments from Environmental Resource and Waste Management Department, Legislative Compliance Division:</p> <p>Point 1 – Noted.</p> <p>Point 2.1 – Noted.</p> <p>Point 2.2 – Noted.</p> <p>Point 2.3 – Noted.</p> <p>Point 2.4 – Noted.</p> <p>Point 2.5 – It will be confirmed, in conjunction with a wetland specialist and by way of a Risk Assessment (as per the Department of Water and Sanitation's requirements) whether a Water Use Licence application is required for the proposed activities within 500m of the</p>

Name	Farm/Association	Date comment received	Method of comments submitted	Comments raised	EAP's Responses
				<p>2012</p> <p>1.4. Applicable Environmental Legislation</p> <p>2. Based on the above tools and the information contained in the application, the department comment as follows:</p> <p>2.1. The Department supports the proposed construction of the proposed extension of the Festive Kaalfontein Hatchery, which includes the following:</p> <p>2.1.1. Construction of three new setter rooms;</p> <p>2.1.2. Construction of three new hatcher rooms;</p> <p>2.1.3. Construction of a new 18 strand electric fence;</p> <p>2.1.4. Construction of additional parking bays as well as a new truck parking bay;</p> <p>2.1.5. Increased footprint size of the hatchery buildings from 7 437m² to 10 000m²;</p> <p>2.1.6. Increase internal roads from 8 224m² to 10 110m² as well as two concrete turning circles that will be incorporated into the internal roads (north and south of the hatchery);</p> <p>2.1.7. Housing onsite will be increased from 640m² to 860m²;</p> <p>2.1.8. Construct a new 225kL sewer pump station;</p> <p>2.1.9. Amendment of the existing sewer rising main from 700m (with a 50-80mm Pipe) to 700m (with 2 x</p>	<p>wetland. The necessary process will then be followed.</p> <p>Point 2.6 – The legend of the Facility Illustration will be amended, as requested. The amended Facility Illustration will be provided once it has been received.</p> <p>Point 2.7 – This recommendation has been incorporated into the Environmental Management Programme for the proposed development, under both the “Surface and Groundwater” section (this includes Stormwater management) and the “Wetlands” section.</p> <p>Point 2.8 – Noted.</p> <p>Comments from City Planning Department – Spatial Planning Division:</p> <p>Point 1 – Noted.</p> <p>Point 2 – Noted.</p> <p>The Municipality's comments and our response above have been incorporated into the Comments and Responses Report and Basic Assessment Report for this project.</p>

Name	Farm/Association	Date comment received	Method of comments submitted	Comments raised	EAP's Responses
				<p>new HDPE 75mm Pipes);</p> <p>2.1.10. Onsite reservoirs will be increased from 180kL to 589kL through the construction of a new 409kL circular zincalume steel reservoir;</p> <p>2.1.11. Construct a transit facility of 600m²;</p> <p>2.1.12. Extension of the existing ablution facilities;</p> <p>2.1.13. Construction of two new Spray races (120m²) and a guard house;</p> <p>2.1.14. Construction of a wash bay; and</p> <p>2.1.15. Construction of new interlocking paved access roads from the existing access road into the northern and southern parts of the hatchery facility.</p> <p>2.2. The site proposed development consist of "Critical Biodiversity Areas" (CBA), "Other Natural Areas" and "No Natural Remaining", in terms of the Bioregional Plan 2012. Only a small portion of the new proposed development area fall within CBA2 area, which is also identified as a "Primary Open Space" for ecological sensitive areas.</p> <p>2.3. The proposed development sites has ecological and agricultural development constraint with a moderate/low ecological Sensitivity rating.</p> <p>2.4. The Gauteng EMF indicate that the</p>	

Name	Farm/Association	Date comment received	Method of comments submitted	Comments raised	EAP's Responses
				<p>proposed development area falls within the following zone:</p> <p>2.4.1. Zone 4, Normal Control Zone.</p> <p>2.5. The site is located within the regulatory zone (500m) of a channeled valley-bottom wetland. The DBAR does not indicate that an application for a Water Use License has been submitted to the National Department of Water and Sanitation for the proposed activities, i.e rising main and new Sewer pump station. A copy of the application / formal correspondence from the competent authority must be made available.</p> <p>2.6. The Facilities Illustrations (Appendix C), should be amended to ensure that all proposed infrastructure / line routes etc. are included on the legend.</p> <p>2.7. Measures must be put in place, i.e. sumps / cut off drains, to ensure that no effluent / contaminant enter the Stormwater system or adjacent wetland.</p> <p>2.8. Recommendation contained in the following reports must be implemented on Site:</p> <p>2.8.1. Comments received from the Health & Social Development Department of the City OF Ekurhuleni, Mr Jerry Chaka, 18 October 2018;</p> <p>2.8.2. Letter from the South African Heritage Resource Agency (SAHRA), Mr Andrew Salomon, 15 November 2018; and</p>	

Name	Farm/Association	Date comment received	Method of comments submitted	Comments raised	EAP's Responses
				<p>2.8.3. Environmental Management Programme, Labesh, December 2018.</p> <p>Comments from City Planning Department — Spatial Planning Division:</p> <p>There is therefore no objection to the proposed use in terms of the current zoning.</p> <p>1. The Property is Zoned “Agriculture” in terms of the Ekurhuleni Town Planning Scheme 2014.</p> <p>2. It must be noted that this property is within the Urban Development Boundary and may in future be developed for urban / residential uses as indicated in the MSDF & Region B RSDF 2015.</p> <p>All activities to be undertaken on the said Property must be in accordance with all applicable By-Laws, policies and requirements of the Ekurhuleni Metropolitan Municipality.</p> <p>It should be noted that, in terms of Section 24F of the NEMA, Act No 107 of 1998, as amended, no listed activity may commence prior to an environmental authorization being granted by the competent authority.</p>	

Appendix 7 – Comments from I&APs on Basic Assessment (BA) Report (report submitted for the previous application)



**Head of Department:
Environmental Resource and Waste
Management**

Cnr. Van Riebeeck Ave and Hendrik
Potgieter Street
PO Box 25
Edenvale
1610

Enquiries: Anél Hietbrink
Tel: +27 11 999 3387
Email: anel.hietbrink@ekurhuleni.gov.za

Attention: Lourens de Villiers
Labesh
Postnet Box 469
Private Bag X504
Sinoville
0129

Tel: +27 87 230 8462
Cell: +27 82 789 6525
Email: lourens@labesh.co.za

Dear Sir

**Subject: COMMENTS ON THE DRAFT BASIC ASSESSMENT REPORT FOR THE
PROPOSED EXPANSION OF THE FESTIVE KAALFONTEIN HATCHERY,
REMAINING EXTENT OF PORTION 7 OF THE FARM HARTEBEESTFONTEIN 17-
IR, CITY OF EKURHULENI (GAUT 002/18-19/E0124)**

Your Draft Basic Assessment Report, received 11 December 2018 refers.

Herewith kindly find comments by the City of Ekurhuleni.

**Comments from Environmental Resource and Waste Management Department, Legislative
Compliance Division:**

1. The Environmental Resource Management Department in rendering its comments assessed the environmental parameters/constraints of the property against the following environmental management tools:
 - 1.1. Provincial Environmental Management Framework, 2015
 - 1.2. Ekurhuleni Biodiversity and Open Space Strategy (EBOSS), 2008
 - 1.3. The Ekurhuleni Bioregional Plan, 2012
 - 1.4. Applicable Environmental Legislation
2. Based on the above tools and the information contained in the application, the department comment as follows:
 - 2.1. The Department supports the proposed construction of the proposed extension of the Festive Kaalfontein Hatchery, which includes the following:
 - 2.1.1. Construction of three new setter rooms;
 - 2.1.2. Construction of three new hatcher rooms;
 - 2.1.3. Construction of a new 18 strand electric fence;
 - 2.1.4. Construction of additional parking bays as well as a new truck parking bay;
 - 2.1.5. Increased footprint size of the hatchery buildings from 7 437m² to 10 000m²;
 - 2.1.6. Increase internal roads from 8 224m² to 10 110m² as well as two concrete turning circles that will be incorporated into the internal roads (north and south of the hatchery);

*Comments on the Draft Basic assessment Report for the proposed expansion of the Festive Kaalfontein Hatchery,
Remaining Extent of Portion 7 of The Farm Hartebeestfontein 17-IR, City of Ekurhuleni (GAUT 002/18-19/E0124)*

- 2.1.7. Housing onsite will be increased from 640m² to 860m²;
 - 2.1.8. Construct a new 225kL sewer pump station;
 - 2.1.9. Amendment of the existing sewer rising main from 700m (with a 50-80mm pipe) to 700m (with 2 x new HDPE 75mm pipes);
 - 2.1.10. Onsite reservoirs will be increased from 180kL to 589kL through the construction of a new 409kL circular zincalume steel reservoir;
 - 2.1.11. Construct a transit facility of 600m²;
 - 2.1.12. Extension of the existing ablation facilities;
 - 2.1.13. Construction of two new spray races (120m²) and a guard house;
 - 2.1.14. Construction of a wash bay; and
 - 2.1.15. Construction of new interlocking paved access roads from the existing access road into the northern and southern parts of the hatchery facility.
- 2.2. The site proposed development consist of "Critical Biodiversity Areas" (CBA), "Other Natural Areas" and "No Natural Remaining", in terms of the Bioregional Plan 2012. Only a small portion of the new proposed development area fall within CBA2 area, which is also identified as a "Primary Open Space" for *ecological sensitive areas*.
- 2.3. The proposed development sites has ecological and agricultural development constraint with a moderate/low ecological sensitivity rating.
- 2.4. The Gauteng EMF indicate that the proposed development area falls within the following zone:
- 2.4.1. Zone 4, Normal Control Zone.
- 2.5. The site is located within the regulatory zone (500m) of a channeled valley-bottom wetland. The DBAR does not indicate that an application for a Water Use License has been submitted to the National Department of Water and Sanitation for the proposed activities, i.e rising main and new sewer pump station. A copy of the application / formal correspondence from the competent authority must be made available.
- 2.6. The Facilities Illustrations (Appendix C), should be amended to ensure that all proposed infrastructure / line routes etc. are included on the legend.
- 2.7. Measures must be put in place, i.e. sumps / cut off drains, to ensure that no effluent / contaminant enter the stormwater system or adjacent wetland.
- 2.8. Recommendation contained in the following reports must be implemented on site:
- 2.8.1. Comments received from the Health & Social Development Department of the City OF Ekurhuleni, Mr Jerry Chaka, 18 October 2018;
 - 2.8.2. Letter from the South African Heritage Resource Agency (SAHRA), Mr Andrew Salomon, 15 November 2018; and
 - 2.8.3. Environmental Management Programme, Labesh, December 2018.

Comments from City Planning Department – Spatial Planning Division:

There is therefore no objection to the proposed use in terms of the current zoning.

1. The property is zoned "Agriculture" in terms of the Ekurhuleni Town Planning Scheme 2014.
2. It must be noted that this property is within the Urban Development Boundary and may in future be developed for urban / residential uses as indicated in the MSDF & Region B RSDF 2015.

Comments on the Draft Basic assessment Report for the proposed expansion of the Festive Kaalfontein Hatchery, Remaining Extent of Portion 7 of The Farm Hartebeestfontein 17-IR, City of Ekurhuleni (GAUT 002/18-19/E0124)

All activities to be undertaken on the said property must be in accordance with all applicable By-Laws, policies and requirements of the Ekurhuleni Metropolitan Municipality.

It should be noted that, in terms of Section 24F of the NEMA, Act No 107 of 1998, as amended, no listed activity may commence prior to an environmental authorization being granted by the competent authority.

Regards,



MS F. MABINDISA
HEAD OF THE DEPARTMENT:
ENVIRONMENTAL RESOURCE AND WASTE MANAGEMENT

Date: 29/01/2019

Appendix 8 – Comments from I&APs on amendments to the BA Report

There have been no amendments to the Basic Assessment Report.

Appendix 9 – Copy of the register of I&APs

I&AP Register

Name	Farm/Association	Postal Address	Contact Details
Mr Jerry Chaka Division Head: Environmental Health	City of Ekurhuleni Metropolitan Municipality	PO Box 13 Kempton Park 1620	Tel: 011 999 4218 Email: jerry.chaka@ekurhuleni.gov.za
Pieter Jacobus Henning	City of Ekurhuleni Metropolitan Municipality – Ward 25		Email: pieter.henning@ekurhuleni.gov.za
HOD: Professor Mkhululi Lukhele	Gauteng Department of Health	Private Bag X085 Marshalltown 2107	Tel: 011 355 3258 Email: khanyisa.nkuna@gauteng.gov.za
HOD: Professor Mkhululi Lukhele	Gauteng Department of Health	Private Bag X085 Marshalltown 2107	Forward to: Maureen.motjelele@gauteng.gov.za
Acting HOD: Mr Makhukhu Mampuru	Gauteng Department of Social Development	PO Box 8769 Johannesburg 2000	Tel: 011 355 7600 / 011 227 0000 Email: makhukhu.mampuru@gauteng.gov.za
HOD: Mr Nhlakanipho Nkontwana	Gauteng Department of Agriculture and Rural Development	PO Box 8769 Johannesburg 2000	Tel: 011 240 2576 Email: Nhlakanipho.Nkontwana@gauteng.gov.za
HOD: Ms Thandeka Mbassa	Gauteng Department of Co-operative Governance and Traditional Affairs	Private Bag X86 Marshalltown 2107	Tel: 011 355 4015/6 Email: Thandeka.Mbassa@gauteng.gov.za
HOD: Ms Yoliswa Makhasi	Gauteng Department of	PO Box 62440	Tel: 011 689 3600

Name	Farm/Association	Postal Address	Contact Details
	Community Safety	Marshalltown 2107	Email: sipho.maseko2@gauteng.gov.za
HOD: Ms. Phindile Mbanjwa	Gauteng Department of Economic Development	Private Bag X091 Marshalltown 2107	Tel: 011 355 8111 Email: Phindile.Mbanjwa@gauteng.gov.za Mmatshepo.Seabela@gauteng.gov.za
Acting HOD: Mr Makhukhu Mampuru	Gauteng Department of Economic Development	Private Bag X091 Marshalltown 2107	Tel: 011 355 8111 Email: Makhukhu.Mampuru@gauteng.gov.za
HOD: Ms Matilda M Gasela	Gauteng Department of Human Settlements	Private Bag X79 Marshalltown 2107	Tel: 011 355 4800/4512 Email: caroline.msibi@gauteng.gov.za
HOD: Mr Bethuel Netshiswinzhe	Gauteng Department of Infrastructure Development	Private Bag X83 Marshalltown 2107	Tel: 011 355 5080 Email: tumelo.maimane@gauteng.gov.za
HOD: Mr Ronald Swartz	Gauteng Department of Roads and Transport	PO Box X88 Marshalltown 2107	Tel: 011 355 7301/ 7342 Email: Ronald.Swartz@gauteng.gov.za gproads.transport@gauteng.gov.za
Thato Mjona	Department of Water and Sanitation – A21A	Private Bag X313 Pretoria 0001	Email: mjonat@dws.gov.za
Andrew Salomon	South African Heritage Resources Agency (SAHRA)	PO Box 4637 Cape Town	Tel: 021 462 4502 Email: info@sahra.org.za

Name	Farm/Association	Postal Address	Contact Details
		8000	
Regional Manager: Sunday Mabaso	Department of Mineral Resources – Gauteng Region	Private Bag X59 Arcadia 0007	Tel: 011 358 9700/9758 Email: sunday.mabaso@dmr.gov.za
Registered Interested and Affected Parties			
Divisional Head – Legislative Compliance (Anél Hietbrink - Environmental Assessment Practitioner - Legislative Compliance)	City of Ekurhuleni Metropolitan Municipality - Environmental Resource and Waste Management Department	PO Box 25 Edenvale 1610	Tel: 011 999 3387 Email: Anel.Hietbrink@ekurhuleni.gov.za Physical address: Edenvale Civic Centre cnr Hendrik Potgieter and Van Riebeeck Street Edenvale C/O Sifiso Ndwandwe (room 201)
Sifiso Ndwandwe - Environmental Legal Administrator	City of Ekurhuleni Metropolitan Municipality - Department of Environmental Resource and Waste Management	PO Box 25 Edenvale 1610	Tel: 011 999 3376 Email: Sifiso.ndwandwe@ekurhuleni.gov.za Physical address: Edenvale Civic Centre cnr Hendrik Potgieter and Van Riebeeck Street Edenvale

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

No Water use license(s) authorisation, service letters from municipalities, water supply information documentation is available at this stage. Please refer to the following pages for comments from SAHRA on the proposed application ([comments on report submitted for the previous application](#)).

EXPANSION OF THE FESTIVE KAALFONTEIN HATCHERY

Our Ref: 13030



an agency of the
Department of Arts and Culture

T: +27 21 462 4502 | F: +27 21 462 4509 | E: info@sahra.org.za
South African Heritage Resources Agency | 111 Harrington Street | Cape Town
P.O. Box 4637 | Cape Town | 8001
www.sahra.org.za

Enquiries: Andrew Salomon
Tel: 021 462 4502
Email: asalomon@sahra.org.za
CaseID: 13030

Date: Thursday November 15, 2018
Page No: 1

Letter

In terms of Section 38 of the National Heritage Resources Act (Act 25 of 1999)

Attention: Festive - A Division of Astral Operations Limited

The proposed expansion of the Festive Kaalfontein Hatchery from 1 617 408 chicks per week (at full capacity and 80% hatch rate) to 2 515 968 chicks per week (at full capacity and 80% hatch rate).

Thank you for your notification regarding this development.

In terms of the National Heritage Resources Act, no 25 of 1999, heritage resources, including archaeological or palaeontological sites over 100 years old, graves older than 60 years, structures older than 60 years are protected. They may not be disturbed without a permit from the relevant heritage resources authority. This means that prior to development it is incumbent on the developer to ensure that a **Heritage Impact Assessment** is done. This must include the archaeological component (Phase 1) and any other applicable heritage components. Appropriate (Phase 2) mitigation, which involves recording, sampling and dating sites that are to be destroyed, must be done as required.

The quickest process to follow for the archaeological component is to contract an accredited specialist (see the web site of the Association of Southern African Professional Archaeologists www.asapa.org.za) to provide a Phase 1 Archaeological Impact Assessment Report. This must be done before any large development takes place.

The Phase 1 Impact Assessment Report will identify the archaeological sites and assess their significance. It should also make recommendations (as indicated in section 38) about the process to be followed. For example, there may need to be a mitigation phase (Phase 2) where the specialist will collect or excavate material and date the site. At the end of the process the heritage authority may give permission for destruction of the sites.

Where bedrock is to be affected, or where there are coastal sediments, or marine or river terraces and in potentially fossiliferous superficial deposits, a Palaeontological Desk Top study must be undertaken to assess whether or not the development will impact upon palaeontological resources - or at least a letter of exemption

EXPANSION OF THE FESTIVE KAALFONTEIN HATCHERY

Our Ref: 13030



an agency of the
Department of Arts and Culture

T: +27 21 462 4502 | F: +27 21 462 4509 | E: info@sahra.org.za
South African Heritage Resources Agency | 111 Harrington Street | Cape Town
P.O. Box 4637 | Cape Town | 8001
www.sahra.org.za

Enquiries: Andrew Salomon
Tel: 021 462 4502
Email: asalomon@sahra.org.za
CaseID: 13030

Date: Thursday November 15, 2018
Page No: 2

from a Palaeontologist is needed to indicate that this is unnecessary. If the area is deemed sensitive, a full Phase 1 Palaeontological Impact Assessment will be required and if necessary a Phase 2 rescue operation might be necessary. Please note that a nationwide fossil sensitivity map is now available on SAHRIS to assist applicants with determining the fossil sensitivity of a study area .

If the property is very small or disturbed and there is no significant site the heritage specialist may choose to send a letter to the heritage authority motivating for exemption from having to undertake further heritage assessments.

Any other heritage resources that may be impacted such as built structures over 60 years old, sites of cultural significance associated with oral histories, burial grounds and graves, graves of victims of conflict, and cultural landscapes or viewsapes must also be assessed.

Should you have any further queries, please contact the designated official using the case number quoted above in the case header.

Yours faithfully

Andrew Salomon
Heritage Officer: Archaeology
South African Heritage Resources Agency

Phillip Hine
Acting Manager: Archaeology, Palaeontology and Meteorites Unit
South African Heritage Resources Agency

EXPANSION OF THE FESTIVE KAALFONTEIN HATCHERY

Our Ref: 13030



an agency of the
Department of Arts and Culture

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Enquiries: Andrew Salomon
Tel: 021 462 4502
Email: asalomon@sahra.org.za
CaseID: 13030

Date: Thursday November 15, 2018
Page No: 3

ADMIN:
Direct URL to case: <http://www.sahra.org.za/node/513438>
(GDARD, Ref: GAUT 002/18-19/E0124)

Appendix G: Specialist reports

Geotechnical and Dolomite Stability Investigation Report.

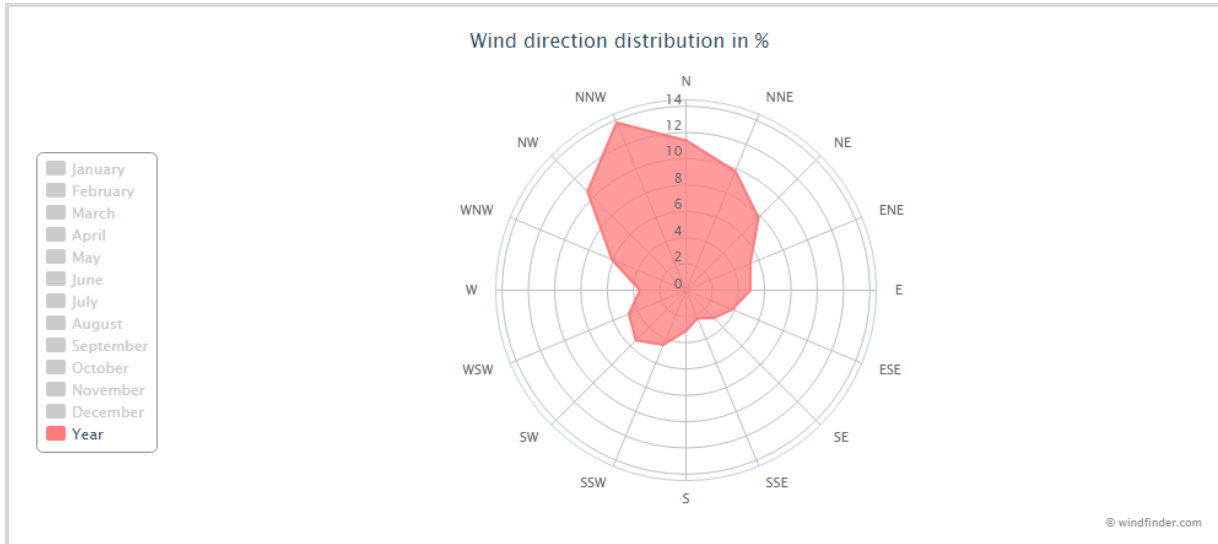
Appendix H: EMPr

The EMPr for this project is attached to this report.

Appendix I: Other information

Wind

The closest weather station to the site and for which data is available on www.windfinder.com, is the Johannesburg/OR Tambo Airport. This weather station is 14.9km to the south-west of the site. According to www.windfinder.com, the prevailing wind direction for this area (the weather station and surrounding area, including the project site) is from the north-northwest, as indicated by the figure below. The wind therefore predominantly blows from north-northwest to south-southeast. The prevailing wind direction has been determined from yearly wind direction data from May 2010 to September 2018.



Prevailing wind direction for Johannesburg/OR Tambo
(https://www.windfinder.com/windstatistics/Johannesburg_or_tambo_airport)

EAP's CV



Labesh
ability to sustain

CURRICULUM VITAE – HELGARD LOURENS DE VILLIERS

Name of Firm: LABESH (PTY) LTD

Profession: SUSTAINABLE NATURAL RESOURCE MANAGEMENT CONSULTANT

Date of Birth: 1976/11/10

Years with Firm/Entity: Since January 2016

Nationality: SOUTH AFRICAN

Detailed Tasks Assigned: Managing Director

Key Qualifications: M.Sc Water Resource Management; Hons B.Sc Geography and Environmental Studies; B.Sc Earth Science

Experience in field: 15 Years

COURSES COMPLETED:

1998 & 1999

Prestige Leadership Development (Chairperson – Student Representative Council – Student Development)
Potchefstroom University for Christian Higher Education

2000

Advanced EMS Auditing Course for Quality and Environmental Professionals
Marsden International, United Kingdom

2002

Public Presentation Skills
University of Pretoria

2010

Implementation of Environmental Management Systems
Centre for Environmental Management, North West University (Potchefstroom)

2010

Auditing Environmental Management Systems
Centre for Environmental Management (Potchefstroom)

2010

Environmental Law
Centre for Environmental Management, North West University (Potchefstroom)

2014

Waste Classification
Centre for Environmental Management, North West University (Potchefstroom)

2015

Advanced HACCP
Intertek Training Academy

2015

Train the trainer
Intertek Training Academy

2016

Transition from ISO 14001:2004 to ISO 14001:2015 - Environmental Management Systems
British Standards International

Education:
TERTIARY EDUCATION

DEGREES: 1998
 B.Sc Earth Science
 PU for CHE

 1999
 B.Sc (Honours) Geography and Environmental Studies
 PU for CHE

 2003
 M.Sc Water Resource Management
 University of Pretoria

Employment Record:

WORK EXPERIENCE

NAME OF ORGANISATION: **Helio Alliance (Pty) Ltd.**

PERIOD: January 2002 – August 2003

POSITION: Environmental Consultant

RESPONSIBILITIES:

- Compilation of EMP's for mining industry
- Conducting EMP performance assessments for mining industry
- Conducting Soil and Land Capability Assessments as part of EIA's
- Conducting EIA's
- Compiling EMP's for EIA's
- Conducting due diligence audits
- Conducting legal compliance assessments
- Conducting Environmental Risk Assessments

NAME OF ORGANISATION: **Newtown Associates Environmental Services CC**

PERIOD: August 2003 – September 2004

POSITION: Manager: Environmental management services

- Compilation of EMP's for mining industry
- Conducting EMP performance assessments for mining industry
- Conducting Soil and Land Capability Assessments as part of EIA's
- Conducting EIA's
- Compiling EMP's for EIA's
- Conducting due diligence audits
- Conducting legal compliance assessments
- Conducting Environmental Risk Assessments

NAME OF ORGANISATION : **Prohibeo Environmental Management Solutions CC**

PERIOD: September 2004 – February 2011

POSITION: Director: Environmental management services

- Conducting EIA's

- Compiling EMP's for EIA's
- Conducting Soil and Land Capability Assessments as part of EIA's
- Conducting due diligence audits
- Conducting legal compliance assessments
- Internal ISO 14001 audits
- External ISO 14001 certification audits

NAME OF ORGANISATION : **Shangoni Management Services (Pty) Ltd.**

PERIOD: March 2011 – January 2016

POSITION: Director and Partner: Environmental Management Services

- Conducting EIA's
- Compiling EMP's for EIA's
- Conducting due diligence audits
- Conducting legal compliance assessments
- Internal ISO 14001 audits
- External ISO 14001 certification audits

NAME OF ORGANISATION : **Labesh (Pty) Ltd.**

PERIOD: February 2016 – Present

POSITION: Managing Director and owner: Sustainable Natural Recourse Management Services

- Conducting EIA's
- Compiling EMP's for EIA's
- Conducting due diligence audits
- Conducting legal compliance assessments
- Environmental management performance audits
- Natural resource optimization strategy

Languages:

English – Excellent

Afrikaans - Excellent

Comments from the Gauteng Department of Agriculture and Rural Development on the draft Basic Assessment Report (report submitted for the previous application)



Reference: Gaut002/18-19/E0124
Enquiries: Erick Moletsane
Telephone: 011 240 3390
E-mail: Erick.Moletsane@gauteng.gov.za

Labesh
Private Bag X504
Sinoville
0129

Attention: Lourens de Villiers
Tel No.: 082 789 6526
Email: admin@labesh.co.za

Dear Sir/Madam

COMMENTS - DRAFT BASIC ASSESSMENT REPORT: PROPOSED EXPANSION OF THE FESTIVE KAALFONTEIN HATCHERY ON REMAINING EXTENT OF PORTION 7 OF THE FARM HARTEBEESTFONTEIN 17- IR, CITY OF EKURHULENI METROPOLITAN MUNICIPALITY

The Draft Basic Assessment report regarding the above-mentioned development received by the Department on 14 December 2018 has reference.

The proposal entails expansion of the Festive Kaalfontein Hatchery. The proposed project is listed as activity 43 of Listing Notice 1, Activity 2 and activity 4 of Listing Notice 3 of the Environmental Impact Assessment Regulations, 2014. The proposed activity is on Portion 7 of the farm Hartesbeestfontein 17- IR, and the Festive Kaalfontein Hatchery is currently operational.

The Department will like to comment as follows:

A. Alignment of the activity with applicable legislations and policies

The report has made provisions to accommodate all applicable legislation, policies and guidelines. The activity entails expansion of the Festival kaalfontein for which its related impact is subject to regulatory legislations, policies and guidelines such as the National Environmental Management Act, 1998 (Act No. 107 of 1998 as amended), Ekurhuleni Metropolitan Spatial Development Framework, 2005, Ekurhuleni Draft Bioregional Plan 2013 and Gauteng Provincial Environmental Management Framework, 2015. The GPEMF, 2015 shows that the proposed activity falls in two different zones these are Environmental Management Zone 3 which is a high control sensitive zone outside urban development zone and Environmental Management Zone 4 which is a normal control zone dominated by agricultural uses outside urban development zone.



B. Guidelines: GDARD requirements

The Departmental Conservation Plan and GIS depicts that the site is in an environmental sensitive area in terms of a River, Ecological Support Area, Important Area, Wetland, Dolomite, Primary Vegetation, Mammal Red Listed, Red Listed Plant sensitivities.

C. Alternatives

There are no site alternatives considered as this is an expansion of an existing hatchery, and there was no technology and design alternative considered for the proposed activity. The technology and design must consider the alternative of using solar or gas energy instead of coal. Rain water must also be considered to reduce the use of water from boreholes or any source.

D. Significant rating of impacts

The assessment of impacts included in the draft report indicates that the impacts rating before the mitigation measures would be from medium to low if mitigation measures are implemented correctly.

E. Locality map and layout plans or facility illustrations

The locality map must be in colour however the other plans attached must be to scale, clear, legible and indicate legend which corresponds with activity components. The Department will like the following recommendations to be included in the Final Basic Assessment report:

- The layout plan and the Locality map must be in A3 size and in colour.
- The layout must be overlaid on a sensitivity map indicating the 50m buffer for wetland and 100m buffer for the river
- Geotechnical Assessment report and facility illustrations must be send to Council of Geosciences for comments and form part of the Final Basic Assessment Report
- Comments from City of Ekurhuleni Environmental Resources must form part of the Final Basic Assessment Report
- Specialist studies for the sensitivities on site must be attached to the Final Basic Assessment Report

F. Environmental Management Programme (EMPr)


The attached EMPr is noted and appears adequate to address impacts that may arise due to the proposed development.

G. Public participation process

The Public participation process is attached to the report, however all communications to and from I&APs, minutes of the meeting, comments and responses must be attached in the report, the advert on the newspaper must be clear. These information must be included in the final Basic Assessment Report.

If you have any queries regarding the contents of this letter, please contact the official of the Department at the number or email address indicated above.

Yours faithfully



Mr. S. Mukhola
Director: Impact Management
Date: 07/2/2019

Response to comments from the Gauteng Department of Agriculture and Rural Development on the draft Basic Assessment Report (report submitted for the previous application)

Comments from the Gauteng Department of Agriculture and Rural Development on the draft Basic Assessment Report	Response from Labesh
<p>COMMENTS - DRAFT BASIC ASSESSMENT REPORT: PROPOSED EXPANSION OF THE FESTIVE KAALFONTEIN HATCHERY ON REMAINING EXTENT OF PORTION 7 OF THE FARM HARTEBEESTFONTEIN 17- IR, CITY OF EKURHULENI METROPOLITAN MUNICIPALITY</p> <p>The Draft Basic Assessment report regarding the above-mentioned development received by the Department on 14 December 2018 has reference.</p> <p>The proposal entails expansion of the Festive Kaalfontein Hatchery. The proposed project is listed as activity 43 of Listing Notice 1, Activity 2 and activity 4 of Listing Notice 3 of the Environmental Impact Assessment Regulations, 2014. The proposed activity is on Portion 7 of the farm Hartesbeestfontein 17- IR, and the Festive Kaalfontein Hatchery is currently operational.</p> <p>The Department will like to comment as follows:</p> <p>A. Alignment of the activity with applicable legislations and policies The report has made provisions to accommodate all applicable legislation, policies and guidelines. The activity entails expansion of the Festival kaalfontein for which its related impact is subject to regulatory legislations, policies and guidelines such as the National Environmental Management Act, 1998 (Act No. 107 of 1998 as amended), Ekurhuleni Metropolitan Spatial Development Framework 2005, Ekurhuleni Draft Bioregional Plan 2013 and Gauteng Provincial Environmental Management Framework, 2015. The GPEMF, 2015 shows that the proposed activity falls in two different zone these are Environmental Management Zone 3 which is a high control sensitive zone outside urban development zone and Environmental Management Zone 4 which is a normal control zone dominated by agricultural uses outside urban development zone.</p> <p>B. Guidelines: GDARD requirements The Departmental Conservation Plan and GIS depicts that the site is in an environmental sensitive area in terms of a River, Ecological Support Area, Important Area, Wetland, Dolomite, Primary Vegetation, Mammal Red Listed, Red Listed Plant sensitivities.</p> <p>C. Alternatives There are no site alternatives considered as this</p>	<p>The Department's comments are noted.</p> <p>C. Alternatives Technology and design alternatives, in terms of using solar or gas energy instead of coal have been considered during the design phase for the proposed development and were found to be unfeasible due to financial constraints. Rainwater harvesting was also found to currently be financially unfeasible. Water is obtained from ERWAT and not from boreholes for use at the hatchery. The consideration of using solar or gas energy instead of coal and of implementing rainwater harvesting has been included in the Environmental Management Programme for the proposed development, as well as under Section 3 this report.</p> <p>E. Locality map and layout plans or facility illustrations</p> <ul style="list-style-type: none"> • The layout plan and the Locality map have been provided in A3 size and in colour as part of this final Basic Assessment Report. • The layout has been overlaid on a sensitivity map indicating the 50m buffer for wetland and 100m buffer for the river. Refer to the figure on page 63 of this report. • The Geotechnical and Dolomite Stability Investigation has been attached to this Basic Assessment Report and the Council of Geosciences response to the Geotechnical and Dolomite Stability Investigation has been included on the pages following this table. • Comments from the City of Ekurhuleni have been incorporated into this Basic Assessment Report. • The Geotechnical and Dolomite Stability Investigation has been attached to this Basic Assessment Report. A Palaeontological Desktop Study and Desktop Heritage Impact Assessment and Exemption Letter to SAHRA will be compiled in due course for submission to SAHRA, as per their requirements. A Wetland Risk Assessment will also be conducted in due course. Further specialist studies have been deemed unnecessary as the proposed development site is in a disturbed state (planted grass). <p>G. Public participation process The advertisement placed in the Beeld Newspaper has been included in a clearer format within this Basic Assessment Report.</p>

is an expansion of an existing hatchery, and there was no technology and design alternative considered for the proposed activity. The technology and design must consider the alternative of using solar or gas energy instead of coal. Rain water must also be considered to reduce the use of water from boreholes or any source.

D. Significant rating of impacts

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The locality map must be in colour however the other plans attached must be to scale, clear, legible and indicate legend which corresponds with activity components. The Department will like the following recommendations to be included in the Final Basic Assessment report:

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- The layout must be overlaid on a sensitivity map indicating the 50m buffer for wetland and 100m buffer for the river.
- Geotechnical Assessment report and facility illustrations must be send to Council of Geosciences for comments and form part of the Final Basic Assessment Report.
- Comments from City of Ekurhuleni Environmental Resources must form part of the Final Basic Assessment Report.
- Specialist studies for the sensitivities on site must be attached to the Final Basic Assessment Report.

F. Environmental Management Programme (EMPr)

The attached EMPr is noted and appears adequate to address impacts that may arise due to the proposed development.

G. Public participation process

The Public participation process is attached to the report, however all communications to and from I&APs, minutes of the meeting, comments and responses must be attached in the report, the advert on the newspaper must be clear. These information must be included in the final Basic Assessment Report.

If you have any queries regarding the contents of this letter, please contact the Official of the Department at the number or email address indicated above.

280 Pretoria Street, Silverton, Pretoria
Private Bag X112, Pretoria 0001, South Africa
Tel: +27 (0)12 841 1911
Fax: +27 (0)12 841 1221
email: info@geoscience.org.za
website: www.geoscience.org.za



Council for Geoscience

Our Reference: F5582.1
Portion 7 of the Farm Hartebeestfontein
Your Reference: M18/3762
Reviewer: J Bunk
Enquiries: S Ngubelanga
Tel: 033 345 6265/6
Email: sngubelanga@geoscience.org.za
No. of pages: 4

30 January 2019

Ekurhuleni Metropolitan Municipality
P O Box 13
Kempton Park
1620

ATTENTION: Pilusa Mashamaite

By Email: Pilusa.Mashamaite@ekurhuleni.gov.za

Dear Sir,

PORTION 7 OF THE FARM HARTEBEEFONTEIN

The firm, Johann van der Merwe (Pty) Ltd (JvdM) submitted their report: "Factual Report on Geotechnical Dolomite Stability Investigation carried out for: Proposed additions of Kaalfontein Hatchery on: Remainder of Portion 7 of the Farm Hartebeestfontein 17-IR, Ekurhuleni Metropolitan Municipality, Gauteng Province", dated December 2018 to this office for comment on behalf of their client, Mr H van Niekerk of Sivest Consulting Engineers, on 14 January 2019. This office acts as an agent to state authorities in reviewing dolomite stability investigations on their behalf.

The purpose of the current investigation was to assess the dolomite stability underlying a footprint of the proposed additions to the Kaalfontein Hatchery with respect to the formation of sinkholes and subsidence. The stand is an irregular shaped area of about **24 ha** and is located due north of Kempton Park.

The proposed land use is commercial packaging and storage, **C5** type development in terms of SANS 1936:2012.

The following is noted from the JvdM's report:

- 1) According to the 1:250 000 Geological Map, Sheet No. 2628 East Rand, the area is underlain by chert-rich dolomite of the Monte Christo Formation of the Malmani Subgroup, Chuniespoort Group of the Transvaal Supergroup.

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- 2) In Section 3 of the report, JvdM indicates that groundwater strikes were recorded between 12 m and 15 m, and water rest levels between 15.2 m and 18.6 m below surface. Groundwater information obtained for the Department of Water Affairs (DWA) indicates that the site lies in the Sterkfontein East Groundwater Compartment with the regional water level at around 1 475 m above sea level which corresponds to the water table on site which is at about 1 572 m. No dewatering is assumed to take place in the vicinity of the study area.
- 3) A total of five percussion boreholes were used during the current investigation. These boreholes varied in depth between 23 m and 33 m below surface and they generally intersected:
 - Colluvium from surface to 1 m depth.
 - Residual chert and dolomite from surface to 21 m depths.
 - Weathered, soft to hard rock dolomite between 9 m and 33 m depths.
- 4) Based on the available information, JvdM has classified the site as having an Inherent Hazard Class (IHC) zone, i.e. **IHC 4//4** with a **D3** dolomite area designation.
- 5) JvdM has made considerations in section 4 of the report to be implemented during the development of this site.

This office would like to comment as follows:

- a) This office is not in agreement with the hazard assessment and zonation of the site, footprint area is specified on drawing M18/3762. JvdM has classified the site as **IHC 4//4** with a **D3** dolomite area designation and this is supported.
- b) JvdM has indicated that the proposed land use is considered for commercial packaging and storing, **C5** type development. According to Table 2 of SANS 1936-1:2012, **C5** type developments are permissible up to **IHC 5** land, subject to design level investigations and **D3** precautionary measures:
 - This office confirms that the drilling of five boreholes is considered adequate and meets the minimum drilling requirements as stipulated in SANS 1936:2012.
 - This office confirms that the geological conditions as revealed by drilling results are considered to be high risk with respect to the ingress scenario and are generally not suitable for the proposed land use.
- c) The considerations in section 4 are generally supported.

Therefore this office confirms support of the proposed additions to the Kaalfontein Hatchery, **C5** type development on Portion 7 of the farm Hartebeestfontein, subject to the points above and the following:

- d) A wet services audit survey shall be carried out across the entire site and this shall be reported to the Local Authority. Any shortcomings identified shall be rectified to the satisfaction of the Local Authority and the current SANS 1936:2012 requirements.

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- e) All foundations should be suitably designed to span at least **5 m** loss of support due to sinkhole or subsidence formation and these must be according to SANS 10400-H requirements.
- f) A site specific Dolomite Risk Management Plan in accordance with SANS 1936-4:2012 must be compiled and implemented for the site. The owners/responsible persons must be made aware of the risks involved in building on dolomite, and be informed about how to be vigilant and act pro-actively by applying sound water management principles.
- g) General precautionary measures as set out in SANS 1936 Part 3: Design and construction of buildings, structures and infrastructure, must be studied and implemented for a D3 site. Some precautions are listed below:
- All stormwater from downpipes and gutters from buildings and structures shall discharge onto concrete-lined channels which, in turn, shall discharge the water at least 1,5 m away from structures onto areas permitting surface drainage away from buildings and structures. Joints between any open channel drains and buildings shall be suitably sealed.
 - Where guttering is not provided, impervious paved areas or apron slabs shall be provided within 3 m (or greater if deemed appropriate by the competent person (engineer)) of buildings or structures, runoff from which shall drain into lined channels feeding into a designed stormwater system or shall be spread as sheet flow. The paved areas or apron slabs shall include areas located below the drip line or the periphery of the building or structure that is subject to draining rainwater.
 - Wet engineering services should, wherever possible, not be placed parallel to buildings unless they are at least 5 m away (if stand size allows) from the structure. Should this be unavoidable, a rational design shall be performed by the competent person (engineer).
 - Liquid-retaining structures shall be watertight (zero leakage), constructed without any joints, and shall not be placed closer than 5 m from a building. Alternatively, the design of such pools shall be integrated into the rational design of the foundation of the residential structure.
 - The preferred pipe type for all wet engineering services, and the sleeve systems for such services, on dolomite area designation D3 sites are polyethylene (PE) pipes and fittings that comply with the material manufacturing requirements of the relevant of parts 1, 2, 3 and 5 of SANS 4427.
 - The water supply to a building shall be via a single water supply connection unless otherwise approved by the competent person (engineer). This also applies to other pressurized liquid bearing services.
 - Wet engineering services, excluding stormwater systems, shall be capable of spanning the projected notional sinkhole diameter (5 m), which has a high likelihood of formation in accordance with the requirements of SANS 1936-2, without the service rupturing or any joint leaking or separating from the pipeline.
 - Gardens within 15 m of buildings and structures shall not include (a) water features, such as fish ponds, except where an impermeable lining is provided in accordance with a design prepared by a competent person (engineer); or (b) water features with automatic replenishment systems. No automated irrigation systems shall be installed

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within a distance of 5 m from any structure or building on sites designated as D3 dolomite land.

- h) The builder must inform the professional team when the service/foundation trenches are open for inspection to takes place. The results of these inspections and quality control must be recorded in a construction report (copy to the Local Authority and this Office).
- i) The professional team involved, including JvdM, shall carefully consider the appropriate water precautionary measures and then ensure and finally certify that these have been implemented.
- j) Wet services should be laid exactly where indicated on the drawings presented to the Local Authority, and to this Office. Wet service may not be laid below structures. The Builder or his appointed professional team should certify that they have been placed as indicated. The Home Owner must also have a copy of the exact plan presented to this Office.
- k) The Local Authority must implement a risk management system. Commenting on the suitability of sites within its jurisdiction is based on the premise that this system will be implemented.

This letter reflects the view and approach of the Council for Geoscience to development on dolomite at this time, as reflected by the above date. These comments may not be viewed as open-ended. If a property changes ownership or land-use changes are made, the comment may in part or wholly no longer apply. This Office should be informed of such changes and the Competent Person responsible for the dolomite stability investigation should be given the opportunity to indicate the influence such changes could have on the overall stability.

If you have any further queries, please do not hesitate to contact this office.

Yours faithfully,



S NGUBELANGA
Engineering Geologist



Portion 7 of the Farm Hartebeesfontein (F5582.1)

CC: Johann van der Merwe (Pty) Ltd

ATTENTION: Mr. Johann van der Merwe

By email: jovdm@iafrica.com

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