



## 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)**

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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.

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#### **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

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(For official use only)

|                               |  |  |  |  |  |  |
|-------------------------------|--|--|--|--|--|--|
| <b>NEAS Reference Number:</b> |  |  |  |  |  |  |
| <b>File Reference Number:</b> |  |  |  |  |  |  |
| <b>Application Number:</b>    |  |  |  |  |  |  |
| <b>Date Received:</b>         |  |  |  |  |  |  |

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.

Not applicable.

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.

A closure plan is not applicable to the proposed project.

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.

Not applicable.

Have State Departments including the competent authority commented?

|    |
|----|
| No |
|----|

If no, why?

This is the first Basic Assessment Report to be circulated for commenting. Comments received on this report will be included in the final Basic Assessment Report.

|  |
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|  |
|--|

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## APPENDIXES

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| Appendix G | - | Specialist reports   |
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| Appendix I | - | Other information  |

# 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](http://www.sahra.org.za/sahris/map/palaeo), accessed on 10 October 2018.

[www.windfinder.com/windstatistics/Johannesburg\\_or\\_tambo\\_airport](http://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):**

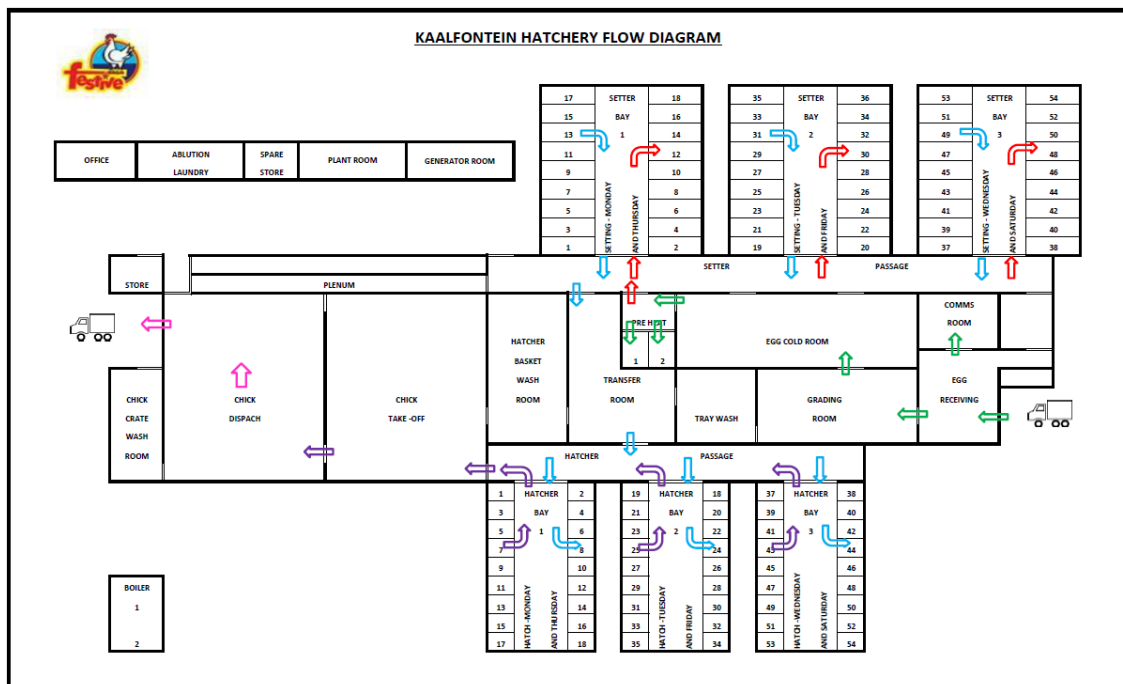
Expansion of the Festive Kaalfontein Hatchery.

### 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 437m<sup>2</sup> to 10 000m<sup>2</sup>;
- Internal roads will be increased from 8 224m<sup>2</sup> to 10 110m<sup>2</sup> 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 640m<sup>2</sup> to 860m<sup>2</sup>;
- 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 600m<sup>2</sup> will be built;
- Extension of the existing ablution facilities;
- Two new spray races (120m<sup>2</sup>) 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 181m<sup>2</sup>/172.0181ha in total. The development footprint would be 6 382m<sup>2</sup>, 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

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   | Awaiting comments from SAHRA confirming the way forward in terms of compliance with this Act.   |

### 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.

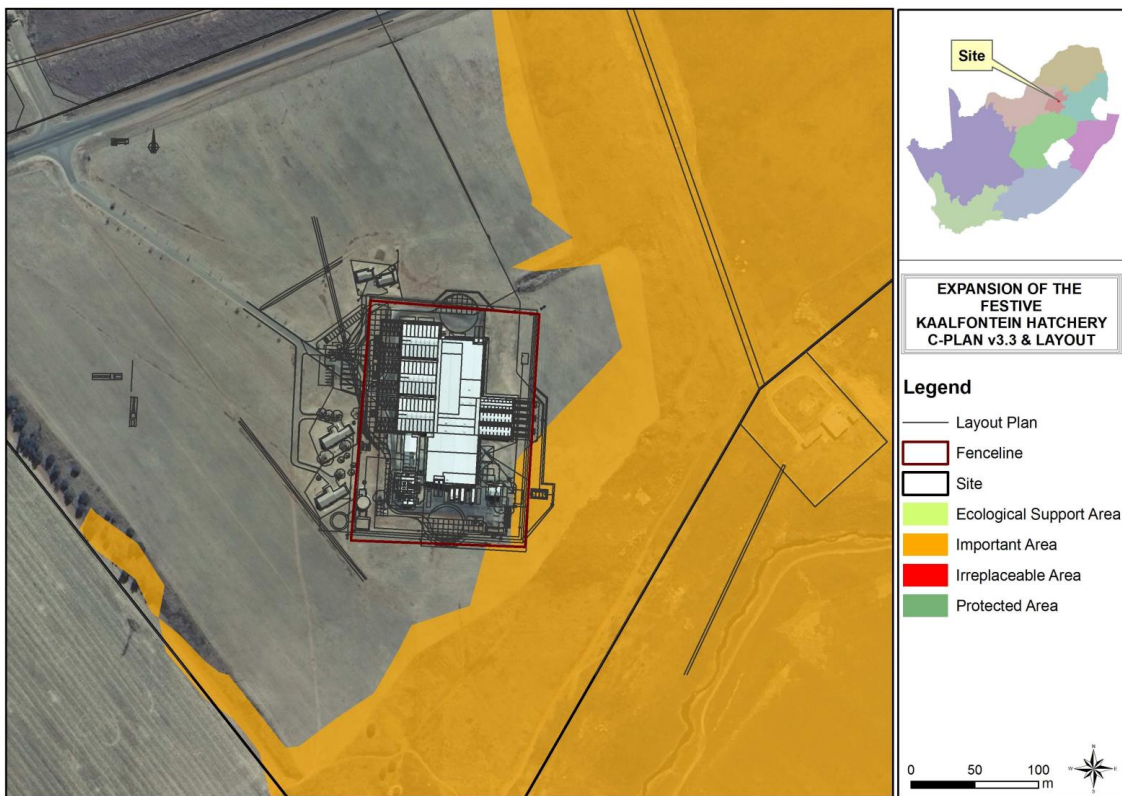
No feasible alternatives could be identified for the proposed expansion project.

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).









#### 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 382m<sup>2</sup>

**Alternatives:**

Alternative 1 (if any)

N/A

Alternative 2 (if any)

N/A

Ha/ m<sup>2</sup>

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 181m<sup>2</sup>

**Alternatives:**

Alternative 1 (if any)

N/A

Alternative 2 (if any)

N/A

Ha/m<sup>2</sup>

#### 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 |
| m   |    |

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

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 |
| m   |    |

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

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 (Bronkhorstspuit/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 | 1 | 7 | 0 | 0 | 0 | 0 | 7 |
| ALT. 1   | N/A |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

### 3. GRADIENT OF THE SITE

Indicate the general gradient of the site.

|      |                  |                  |             |              |             |                  |
|------|------------------|------------------|-------------|--------------|-------------|------------------|
| Flat | 1:50 – 1:20<br>X | 1:20 – 1:15<br>X | 1:15 – 1:10 | 1:10 – 1:7,5 | 1:7,5 – 1:5 | Steeper than 1:5 |
|------|------------------|------------------|-------------|--------------|-------------|------------------|

### 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<br>X | River front |
|-----------|---------|--------------------------|--------|-------|---------------------------------|-------------|

### 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 18.3 metres below ground level (DWA, 2010).**

Dolomite, sinkhole or doline areas

**The surface lithology is predominantly carbonate rocks (dolomite)**

Seasonally wet soils (often close to water bodies)

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

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

**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<br>% = 0 | Natural veld with scattered aliens<br>% = 0 | Natural veld with heavy alien infestation<br>% = 0 | Veld dominated by alien species<br>% = 0 | Landscaped (vegetation)<br>% = 64% |
| Sport field<br>% = 0                   | Cultivated land<br>% = 0                    | Paved surface (hard landscaping)<br>% = 14%        | Building or other structure<br>% = 21%   | Bare soil<br>% = 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 |
|-------|----|

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:

Cell:

E-mail:

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

## 8. LAND USE CHARACTER OF SURROUNDING AREA

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

|   |   |   |                                       |   |
|---|---|---|---------------------------------------|---|
| 1. Vacant land X                          | 2. River, stream, wetland X                       | 3. Nature conservation area                     | 4. Public open space X                | 5. Koppie or ridge                            |
| 6. Dam or reservoir                       | 7. Agriculture X                                  | 8. Low density residential                      | 9. Medium to high density residential | 10. Informal residential                      |
| 11. Old age home                          | 12. Retail  | 13. Offices                                     | 14. Commercial & warehousing          | 15. Light industrial                          |
| 16. Heavy industrial <sup>AN</sup>        | 17. Hospitality facility                          | 18. Church                                      | 19. Education facilities              | 20. Sport facilities                          |
| 21. Golf course/polo fields               | 22. Airport <sup>N</sup>                          | 23. Train station or shunting yard <sup>N</sup> | 24. Railway line <sup>N</sup>         | 25. Major road (4 lanes or more) <sup>N</sup> |
| 26. Sewage treatment plant <sup>A</sup> X | 27. Landfill or waste treatment site <sup>A</sup> | 28. Historical building                         | 29. Graveyard                         | 30. Archeological site                        |
| 31. Open cast mine                        | 32. Underground mine                              | 33. Spoil heap or slimes dam <sup>A</sup>       | 34. Small Holdings                    |   |
| Other land uses (describe):               |   |   |                                       |   |

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

|       |       |      |         |         |         |
|-------|-------|------|---------|---------|---------|
| NORTH |       |      |         |         |         |
|       | 1, 26 | 1, 7 | 1, 7    | 1       | 1       |
|       | 1, 7  | 1    | 1       | 1       | 1, 2    |
| WEST  | 1, 7  | 1, 7 |         | 1, 2    | 1, 2    |
|       | 1, 7  | 1, 7 | 1, 4    | 1, 2, 4 | 1, 2, 4 |
|       | 1, 7  | 1, 7 | 1, 2, 4 | 1, 2, 4 | 1, 2, 4 |
| SOUTH |       |      |         |         |         |
|       | EAST  |      |         |         |         |

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

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

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

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

Not applicable.



## 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 m<sup>2</sup> 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 m<sup>2</sup> 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.

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

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

Is it necessary to apply for a permit in terms of the National Heritage Resources Act, 1999 (Act 25 of 1999)?  
If yes, please attached the comments from SAHRA in the appropriate Appendix

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

# 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 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.

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 X | NO |
|-------|----|

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

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](http://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 <sup>2</sup> |
|------------------|

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 | <b>NO X</b> |
|-----|-------------|

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

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

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?

|              |    |
|--------------|----|
| <b>YES X</b> | 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 | <b>NO X</b> |
|-----|-------------|

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

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

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?

|              |    |
|--------------|----|
| <b>YES X</b> | 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?

|              |    |
|--------------|----|
| <b>YES X</b> | NO |
|--------------|----|

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

|     |             |
|-----|-------------|
| YES | <b>NO X</b> |
|-----|-------------|

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 | <b>Other X ERWAT</b> | 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 | <b>NO X</b> |
|-----|-------------|

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:

None.

# 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.

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](http://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.

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):

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.

## 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 |
|--|--|--|--|---|
| <b>Planning and Design Phase</b>   |  |  |  |   |
| <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"> <li>The <b>status</b> of the impact: Negative</li> <li>The degree to which the impact can be reversed: Low</li> <li>The degree to which the impact can be mitigated: High</li> <li>The degree to which the impact may cause irreplaceable loss of resources: Medium</li> </ul> | <p>The <b>extent</b> of the impact: 2<br/> The <b>duration</b> of the impact: 3<br/> The <b>magnitude</b> of the impact: 2<br/> The <b>probability</b> of the impact: 1<br/> The <b>significance</b> of the impact: <b>7 - LOW</b></p>     | <p><b>Site selection</b></p> <ul style="list-style-type: none"> <li>The expansion infrastructure should preferably be constructed on an already disturbed site.</li> <li>The expansion infrastructure may not be constructed on a wetland or within a drainage line.</li> <li>The expansion infrastructure must preferably be constructed on a level/flat site.</li> <li>The site must have the correct land use zoning to enable the expansion infrastructure to be constructed and operated.</li> </ul>  | <p>The <b>extent</b> of the impact: 1<br/> The <b>duration</b> of the impact: 3<br/> The <b>magnitude</b> of the impact: 1<br/> The <b>probability</b> of the impact: 1<br/> The <b>significance</b> of the impact: <b>5 - LOW</b></p> | Low   |
| <b>Pre-construction Phase</b>  |  |  |  |   |
| <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"> <li>The <b>status</b> of the impact: Negative</li> <li>The degree to which the impact can be reversed: Low</li> <li>The degree to which the impact can be mitigated: High</li> <li>The degree to which the impact may cause irreplaceable loss of resources: Medium</li> </ul>                         | <p>The <b>extent</b> of the impact: 1<br/> The <b>duration</b> of the impact: 1<br/> The <b>magnitude</b> of the impact: 3<br/> The <b>probability</b> of the impact: 2<br/> The <b>significance</b> of the impact: <b>10 – MEDIUM</b></p> | <ul style="list-style-type: none"> <li>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.</li> <li>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.</li> <li>Fire-fighting equipment must be placed at the construction site and must be easily accessible.</li> </ul> | <p>The <b>extent</b> of the impact: 1<br/> The <b>duration</b> of the impact: 1<br/> The <b>magnitude</b> of the impact: 2<br/> The <b>probability</b> of the impact: 1<br/> The <b>significance</b> of the impact: <b>4 - LOW</b></p> | Low   |
| <p>Unsafe working conditions.</p> <ul style="list-style-type: none"> <li>The <b>status</b> of the impact: Negative</li> <li>The degree to which the impact can be reversed: Low</li> <li>The degree to which the impact can be mitigated: High</li> <li>The degree to which the impact may cause irreplaceable loss of resources: Medium</li> </ul>  | <p>The <b>extent</b> of the impact: 1<br/> The <b>duration</b> of the impact: 1<br/> The <b>magnitude</b> of the impact: 3<br/> The <b>probability</b> of the impact: 2<br/> The <b>significance</b> of the impact: <b>10 – MEDIUM</b></p> |  | <p>The <b>extent</b> of the impact: 1<br/> The <b>duration</b> of the impact: 1<br/> The <b>magnitude</b> of the impact: 2<br/> The <b>probability</b> of the impact: 1<br/> The <b>significance</b> of the impact: <b>4 - LOW</b></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"> <li>The <b>status</b> of the impact: Negative</li> <li>The degree to which the impact can be</li> </ul>   | <p>The <b>extent</b> of the impact: 1<br/> The <b>duration</b> of the impact: 1<br/> The <b>magnitude</b> of the impact: 3<br/> The <b>probability</b> of the impact: 2<br/> The <b>significance</b> of the impact: <b>10 – MEDIUM</b></p> | <ul style="list-style-type: none"> <li>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.</li> </ul>  | <p>The <b>extent</b> of the impact: 1<br/> The <b>duration</b> of the impact: 1<br/> The <b>magnitude</b> of the impact: 2<br/> The <b>probability</b> of the impact: 1<br/> The <b>significance</b> of the impact: <b>4 - LOW</b></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"> <li>The degree to which the impact can be mitigated: High</li> <li>The degree to which the impact may cause irreplaceable loss of resources: Medium</li> </ul>   |  | <ul style="list-style-type: none"> <li>Employees and contract workers must be issued with suitable Personal Protective Equipment (PPE), as applicable to each persons' job onsite.</li> </ul>  |  |   |
| <b>Construction Phase</b>  |  |  |  |   |
| <p>Pollution of surface and/or groundwater resources due to hydrocarbon spillages or leakages from construction vehicles.</p> <ul style="list-style-type: none"> <li>The <b>status</b> of the impact: Negative</li> <li>The degree to which the impact can be reversed: Medium</li> <li>The degree to which the impact can be mitigated: High</li> <li>The degree to which the impact may cause irreplaceable loss of resources: Medium</li> </ul>         | <p>The <b>extent</b> of the impact: 2<br/> The <b>duration</b> of the impact: 2<br/> The <b>magnitude</b> of the impact: 2<br/> The <b>probability</b> of the impact: 2<br/> The <b>significance</b> of the impact: <b>12 - MEDIUM</b></p> | <ul style="list-style-type: none"> <li>Spill kits must be onsite to clean up any hydrocarbon spillages.</li> <li>Vehicles should regularly be inspected to ensure that any fuel or oil leaks are repaired.</li> </ul>  | <p>The <b>extent</b> of the impact: 2<br/> The <b>duration</b> of the impact: 2<br/> The <b>magnitude</b> of the impact: 2<br/> The <b>probability</b> of the impact: 1<br/> The <b>significance</b> of the impact: <b>6 - LOW</b></p> | Low - Medium  |
| <p>Pollution of surface and/or groundwater resources due to spillages from chemical toilets.</p> <ul style="list-style-type: none"> <li>The <b>status</b> of the impact: Negative</li> <li>The degree to which the impact can be reversed: Medium</li> <li>The degree to which the impact can be mitigated: High</li> <li>The degree to which the impact may cause irreplaceable loss of resources: Medium</li> </ul>                                      | <p>The <b>extent</b> of the impact: 2<br/> The <b>duration</b> of the impact: 2<br/> The <b>magnitude</b> of the impact: 2<br/> The <b>probability</b> of the impact: 2<br/> The <b>significance</b> of the impact: <b>12 - MEDIUM</b></p> | <ul style="list-style-type: none"> <li>Sufficient ablution facilities must be provided.</li> <li>Chemical toilets must be serviced regularly.</li> <li>Any spillages from the chemical toilets must immediately be cleaned and the contaminated soil disposed of as hazardous waste.</li> </ul>  | <p>The <b>extent</b> of the impact: 1<br/> The <b>duration</b> of the impact: 1<br/> The <b>magnitude</b> of the impact: 2<br/> The <b>probability</b> of the impact: 1<br/> The <b>significance</b> of the impact: <b>4 - LOW</b></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"> <li>The <b>status</b> of the impact: Negative</li> <li>The degree to which the impact can be reversed: Medium</li> <li>The degree to which the impact can be mitigated: High</li> <li>The degree to which the impact may cause irreplaceable loss of resources: Medium</li> </ul> | <p>The <b>extent</b> of the impact: 2<br/> The <b>duration</b> of the impact: 2<br/> The <b>magnitude</b> of the impact: 2<br/> The <b>probability</b> of the impact: 2<br/> The <b>significance</b> of the impact: <b>12 - MEDIUM</b></p> | <ul style="list-style-type: none"> <li>Construction waste must be stored in a designated area.</li> <li>Building rubble must be stored separately from domestic waste.</li> <li>Refuse bins must be provided for domestic waste.</li> <li>Building rubble must be kept clean of plastic and brick ties.</li> <li>The applicant must comply with the Ekurhuleni Metropolitan Municipality – Solid Waste By-Laws, 2001.</li> </ul> | <p>The <b>extent</b> of the impact: 1<br/> The <b>duration</b> of the impact: 1<br/> The <b>magnitude</b> of the impact: 2<br/> The <b>probability</b> of the impact: 1<br/> The <b>significance</b> of the impact: <b>4 - LOW</b></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"> <li>The <b>status</b> of the impact: Negative</li> </ul>   | <p>The <b>extent</b> of the impact: 3<br/> The <b>duration</b> of the impact: 2<br/> The <b>magnitude</b> of the impact: 2<br/> The <b>probability</b> of the impact: 2</p>  | <ul style="list-style-type: none"> <li>Storm water must be diverted around areas where there are pollution sources.</li> <li>No contaminated storm water may be released into the environment from</li> </ul>  | <p>The <b>extent</b> of the impact: 2<br/> The <b>duration</b> of the impact: 2<br/> The <b>magnitude</b> of the impact: 2<br/> The <b>probability</b> 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"> <li>The degree to which the impact can be reversed: Medium</li> <li>The degree to which the impact can be mitigated: High</li> <li>The degree to which the impact may cause irreplaceable loss of resources: High</li> </ul>   | The <b>significance</b> of the impact: <b>14 - MEDIUM</b>  | <ul style="list-style-type: none"> <li>construction activities.</li> <li>Storm water drainage infrastructure must be regularly inspected for obstructions.</li> </ul>  | The <b>significance</b> of the impact: <b>6 - LOW</b>  |   |
| <p>Pollution of surface and/or groundwater resources from the mixing of concrete.</p> <ul style="list-style-type: none"> <li>The <b>status</b> of the impact: Negative</li> <li>The degree to which the impact can be reversed: Low</li> <li>The degree to which the impact can be mitigated: High</li> <li>The degree to which the impact may cause irreplaceable loss of resources: Medium</li> </ul>               | <p>The <b>extent</b> of the impact: 2<br/> The <b>duration</b> of the impact: 2<br/> The <b>magnitude</b> of the impact: 2<br/> The <b>probability</b> of the impact: 2<br/> The <b>significance</b> of the impact: <b>12 - MEDIUM</b></p> | <ul style="list-style-type: none"> <li>Concrete should ideally be mixed on an impermeable surface such as a concrete slab.</li> <li>Cement bags (new and used) must be stored under roof or in closed containers where they will not be exposed to rain.</li> <li>Dry concrete must be removed and disposed of together with other building rubble.</li> </ul> | <p>The <b>extent</b> of the impact: 1<br/> The <b>duration</b> of the impact: 2<br/> The <b>magnitude</b> of the impact: 2<br/> The <b>probability</b> of the impact: 1<br/> The <b>significance</b> of the impact: <b>5 - LOW</b></p> | Medium  |
| <p>The wastage of water resources (water supply) due to the irresponsible use of water.</p> <ul style="list-style-type: none"> <li>The <b>status</b> of the impact: Negative</li> <li>The degree to which the impact can be reversed: Low</li> <li>The degree to which the impact can be mitigated: High</li> <li>The degree to which the impact may cause irreplaceable loss of resources: Medium</li> </ul>         | <p>The <b>extent</b> of the impact: 3<br/> The <b>duration</b> of the impact: 2<br/> The <b>magnitude</b> of the impact: 2<br/> The <b>probability</b> of the impact: 2<br/> The <b>significance</b> of the impact: <b>14 - MEDIUM</b></p> | <ul style="list-style-type: none"> <li>Water pipes and hoses should be inspected on a regular basis and any leakages should immediately be repaired.</li> <li>Running water taps or hoses may not be left unattended.</li> </ul>   | <p>The <b>extent</b> of the impact: 3<br/> The <b>duration</b> of the impact: 2<br/> The <b>magnitude</b> of the impact: 1<br/> The <b>probability</b> of the impact: 1<br/> The <b>significance</b> of the impact: <b>6 - LOW</b></p> | Low - Medium  |
| <p>Loss of low quality fauna habitat (degraded/disturbed vegetation cover) during site clearance.</p> <ul style="list-style-type: none"> <li>The <b>status</b> of the impact: Negative</li> <li>The degree to which the impact can be reversed: High</li> <li>The degree to which the impact can be mitigated: High</li> <li>The degree to which the impact may cause irreplaceable loss of resources: Low</li> </ul> | <p>The <b>extent</b> of the impact: 1<br/> The <b>duration</b> of the impact: 1<br/> The <b>magnitude</b> of the impact: 1<br/> The <b>probability</b> of the impact: 3<br/> The <b>significance</b> of the impact: <b>9 - LOW</b></p>     | No mitigation measures required as the site is in a degraded/disturbed state.  | <p>The <b>extent</b> of the impact: 1<br/> The <b>duration</b> of the impact: 1<br/> The <b>magnitude</b> of the impact: 1<br/> The <b>probability</b> of the impact: 3<br/> The <b>significance</b> of the impact: <b>9 - LOW</b></p> | Not applicable. No mitigation measures.                 |
| <p>Disturbance of any fauna species that may be present onsite.</p> <ul style="list-style-type: none"> <li>The <b>status</b> of the impact: Negative</li> <li>The degree to which the impact can be</li> </ul>  | <p>The <b>extent</b> of the impact: 1<br/> The <b>duration</b> of the impact: 1<br/> The <b>magnitude</b> of the impact: 1<br/> The <b>probability</b> of the impact: 2<br/> The <b>significance</b> of the impact: <b>6 - LOW</b></p>     | Fauna species may not be disturbed, captured or killed and must be avoided.  | <p>The <b>extent</b> of the impact: 1<br/> The <b>duration</b> of the impact: 1<br/> The <b>magnitude</b> of the impact: 1<br/> The <b>probability</b> of the impact: 1<br/> The <b>significance</b> of the impact: <b>3 - LOW</b></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"> <li>The degree to which the impact can be mitigated: High</li> <li>The degree to which the impact may cause irreplaceable loss of resources: Low</li> </ul>   |  |   |  |   |
| <p>Loss of degraded/disturbed vegetation (Carletonville Dolomite Grassland) during site clearance.</p> <ul style="list-style-type: none"> <li>The <b>status</b> of the impact: Negative</li> <li>The degree to which the impact can be reversed: Low</li> <li>The degree to which the impact can be mitigated: High</li> <li>The degree to which the impact may cause irreplaceable loss of resources: Low</li> </ul> | <p>The <b>extent</b> of the impact: 1<br/> The <b>duration</b> of the impact: 1<br/> The <b>magnitude</b> of the impact: 1<br/> The <b>probability</b> of the impact: 3<br/> The <b>significance</b> of the impact: <b>9 - LOW</b></p>     | <p>No mitigation measures required as the site is in a degraded/disturbed state.</p>  | <p>The <b>extent</b> of the impact: 1<br/> The <b>duration</b> of the impact: 1<br/> The <b>magnitude</b> of the impact: 1<br/> The <b>probability</b> of the impact: 3<br/> The <b>significance</b> of the impact: <b>9 - LOW</b></p> | <p>Not applicable. No mitigation measures.</p>          |
| <p>Spread of alien invasive vegetation.</p> <ul style="list-style-type: none"> <li>The <b>status</b> of the impact: Negative</li> <li>The degree to which the impact can be reversed: Medium</li> <li>The degree to which the impact can be mitigated: High</li> <li>The degree to which the impact may cause irreplaceable loss of resources: High</li> </ul>  | <p>The <b>extent</b> of the impact: 3<br/> The <b>duration</b> of the impact: 2<br/> The <b>magnitude</b> of the impact: 3<br/> The <b>probability</b> of the impact: 2<br/> The <b>significance</b> of the impact: <b>16 - MEDIUM</b></p> | <ul style="list-style-type: none"> <li>Use only indigenous plant species for gardens and rehabilitation.</li> <li>Eradicate any alien invasive vegetation observed onsite.</li> </ul>   | <p>The <b>extent</b> of the impact: 2<br/> The <b>duration</b> of the impact: 2<br/> The <b>magnitude</b> of the impact: 3<br/> The <b>probability</b> of the impact: 1<br/> The <b>significance</b> of the impact: <b>7 - LOW</b></p> | <p>Low - Medium</p>                                     |
| <p>Disturbance of wetland zones beyond the property boundary.</p> <ul style="list-style-type: none"> <li>The <b>status</b> of the impact: Negative</li> <li>The degree to which the impact can be reversed: Low</li> <li>The degree to which the impact can be mitigated: High</li> <li>The degree to which the impact may cause irreplaceable loss of resources: High</li> </ul>                                     | <p>The <b>extent</b> of the impact: 2<br/> The <b>duration</b> of the impact: 3<br/> The <b>magnitude</b> of the impact: 3<br/> The <b>probability</b> of the impact: 2<br/> The <b>significance</b> of the impact: <b>16 - MEDIUM</b></p> | <ul style="list-style-type: none"> <li>No construction workers may enter into wetland zones beyond the site boundary.</li> <li>No dumping of material or waste may take place beyond the construction site boundary or in wetland zones.</li> <li>No vehicles may enter the wetland zones.</li> </ul> | <p>The <b>extent</b> of the impact: 2<br/> The <b>duration</b> of the impact: 3<br/> The <b>magnitude</b> of the impact: 3<br/> The <b>probability</b> of the impact: 1<br/> The <b>significance</b> of the impact: <b>8 - LOW</b></p> | <p>Low - Medium</p>                                     |
| <p>Disturbance or destruction of cultural and heritage resources.</p> <ul style="list-style-type: none"> <li>The <b>status</b> of the impact: Negative</li> <li>The degree to which the impact can be reversed: Low</li> <li>The degree to which the impact can be mitigated: High</li> </ul>   | <p>The <b>extent</b> of the impact: 1<br/> The <b>duration</b> of the impact: 3<br/> The <b>magnitude</b> of the impact: 3<br/> The <b>probability</b> of the impact: 2<br/> The <b>significance</b> of the impact: <b>14 - MEDIUM</b></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 <b>extent</b> of the impact: 1<br/> The <b>duration</b> of the impact: 3<br/> The <b>magnitude</b> of the impact: 3<br/> The <b>probability</b> of the impact: 1<br/> The <b>significance</b> of the impact: <b>7 - LOW</b></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"> <li>The degree to which the impact may cause irreplaceable loss of resources: High</li> </ul>   |  |  |  |   |
| <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"> <li>The <b>status</b> of the impact: Negative</li> <li>The degree to which the impact can be reversed: Low</li> <li>The degree to which the impact can be mitigated: High</li> <li>The degree to which the impact may cause irreplaceable loss of resources: High</li> </ul> | <p>The <b>extent</b> of the impact: 1<br/> The <b>duration</b> of the impact: 3<br/> The <b>magnitude</b> of the impact: 3<br/> The <b>probability</b> of the impact: 3<br/> The <b>significance</b> of the impact: <b>21 - HIGH</b></p>   | <ul style="list-style-type: none"> <li>A field assessment by a qualified palaeontologist must be conducted.</li> <li>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.</li> </ul>  | <p>The <b>extent</b> of the impact: 1<br/> The <b>duration</b> of the impact: 3<br/> The <b>magnitude</b> of the impact: 3<br/> The <b>probability</b> of the impact: 2<br/> The <b>significance</b> of the impact: <b>14 - MEDIUM</b></p> | Low - Medium  |
| <p>Generation of dust by construction vehicles.</p> <ul style="list-style-type: none"> <li>The <b>status</b> of the impact: Negative</li> <li>The degree to which the impact can be reversed: Low</li> <li>The degree to which the impact can be mitigated: High</li> <li>The degree to which the impact may cause irreplaceable loss of resources: Medium</li> </ul>  | <p>The <b>extent</b> of the impact: 2<br/> The <b>duration</b> of the impact: 1<br/> The <b>magnitude</b> of the impact: 2<br/> The <b>probability</b> of the impact: 2<br/> The <b>significance</b> of the impact: <b>10 - MEDIUM</b></p> | <ul style="list-style-type: none"> <li>Implement dust suppression techniques.</li> <li>Limit vegetation clearance until it is necessary for soil stripping.</li> <li>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"> <li>The date of the complaint;</li> <li>The name and surname of the person lodging the complaint;</li> <li>Details of the complaint; and</li> <li>How and when the complaint was addressed.</li> </ul> </li> </ul> | <p>The <b>extent</b> of the impact: 2<br/> The <b>duration</b> of the impact: 1<br/> The <b>magnitude</b> of the impact: 2<br/> The <b>probability</b> of the impact: 1<br/> The <b>significance</b> of the impact: <b>5 - LOW</b></p>     | Low   |
| <p>Release of emissions from construction vehicles.</p> <ul style="list-style-type: none"> <li>The <b>status</b> of the impact: Negative</li> <li>The degree to which the impact can be reversed: Low</li> <li>The degree to which the impact can be mitigated: Medium</li> <li>The degree to which the impact may cause irreplaceable loss of resources: Medium</li> </ul>  | <p>The <b>extent</b> of the impact: 3<br/> The <b>duration</b> of the impact: 1<br/> The <b>magnitude</b> of the impact: 2<br/> The <b>probability</b> of the impact: 3<br/> The <b>significance</b> of the impact: <b>18 - MEDIUM</b></p> | Regular maintenance of vehicles to minimise the release of emissions.  | <p>The <b>extent</b> of the impact: 3<br/> The <b>duration</b> of the impact: 1<br/> The <b>magnitude</b> of the impact: 1<br/> The <b>probability</b> of the impact: 2<br/> The <b>significance</b> of the impact: <b>10 - MEDIUM</b></p> | Low   |
| <p>Generation of nuisance and noise from construction vehicles and equipment/machinery.</p> <ul style="list-style-type: none"> <li>The <b>status</b> of the impact: Negative</li> <li>The degree to which the impact can be reversed: Low</li> <li>The degree to which the impact can be</li> </ul>  | <p>The <b>extent</b> of the impact: 2<br/> The <b>duration</b> of the impact: 1<br/> The <b>magnitude</b> of the impact: 2<br/> The <b>probability</b> of the impact: 3<br/> The <b>significance</b> of the impact: <b>15 - MEDIUM</b></p> | <ul style="list-style-type: none"> <li>Noisy activities must be scheduled during times of the day that will result in the least disturbance to adjacent sensitive receptors.</li> <li>Noisy work must be avoided on weekends and public holidays.</li> <li>Vehicles must not be left idling unnecessarily.</li> </ul>  | <p>The <b>extent</b> of the impact: 1<br/> The <b>duration</b> of the impact: 1<br/> The <b>magnitude</b> of the impact: 2<br/> The <b>probability</b> of the impact: 2<br/> The <b>significance</b> of the impact: <b>8 - LOW</b></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"> <li>The degree to which the impact may cause irreplaceable loss of resources: Medium</li> </ul>  |  | <ul style="list-style-type: none"> <li>All vehicles must be regularly maintained.</li> </ul>   |  |   |
| <p>Soil pollution due to hydrocarbon spillages or leakages from construction vehicles.</p> <ul style="list-style-type: none"> <li>The <b>status</b> of the impact: Negative</li> <li>The degree to which the impact can be reversed: Medium</li> <li>The degree to which the impact can be mitigated: High</li> <li>The degree to which the impact may cause irreplaceable loss of resources: Medium</li> </ul>                          | <p>The <b>extent</b> of the impact: 2<br/> The <b>duration</b> of the impact: 2<br/> The <b>magnitude</b> of the impact: 2<br/> The <b>probability</b> of the impact: 2<br/> The <b>significance</b> of the impact: <b>12 - MEDIUM</b></p> | <ul style="list-style-type: none"> <li>Use drip trays for any machinery and/or vehicle repair work.</li> <li>Immediately repair any leaking machinery or vehicles.</li> <li>Place oil drums on impermeable surfaces or plastic liners.</li> <li>Immediately clean any hydrocarbon spillages and dispose of as hazardous waste.</li> </ul>  | <p>The <b>extent</b> of the impact: 2<br/> The <b>duration</b> of the impact: 2<br/> The <b>magnitude</b> of the impact: 2<br/> The <b>probability</b> of the impact: 1<br/> The <b>significance</b> of the impact: <b>6 - LOW</b></p> | Low - Medium  |
| <p>Soil pollution due to spillages from chemical toilets.</p> <ul style="list-style-type: none"> <li>The <b>status</b> of the impact: Negative</li> <li>The degree to which the impact can be reversed: Low</li> <li>The degree to which the impact can be mitigated: High</li> <li>The degree to which the impact may cause irreplaceable loss of resources: Medium</li> </ul>  | <p>The <b>extent</b> of the impact: 2<br/> The <b>duration</b> of the impact: 2<br/> The <b>magnitude</b> of the impact: 2<br/> The <b>probability</b> of the impact: 2<br/> The <b>significance</b> of the impact: <b>12 - MEDIUM</b></p> | <ul style="list-style-type: none"> <li>Sufficient ablution facilities must be provided.</li> <li>Chemical toilets must be serviced regularly.</li> <li>Any spillages from the chemical toilets must immediately be cleaned and the contaminated soil disposed of as hazardous waste.</li> </ul>  | <p>The <b>extent</b> of the impact: 1<br/> The <b>duration</b> of the impact: 1<br/> The <b>magnitude</b> of the impact: 2<br/> The <b>probability</b> of the impact: 1<br/> The <b>significance</b> of the impact: <b>4 - LOW</b></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"> <li>The <b>status</b> of the impact: Negative</li> <li>The degree to which the impact can be reversed: Medium</li> <li>The degree to which the impact can be mitigated: High</li> <li>The degree to which the impact may cause irreplaceable loss of resources: Medium</li> </ul> | <p>The <b>extent</b> of the impact: 2<br/> The <b>duration</b> of the impact: 2<br/> The <b>magnitude</b> of the impact: 2<br/> The <b>probability</b> of the impact: 2<br/> The <b>significance</b> of the impact: <b>12 - MEDIUM</b></p> | <ul style="list-style-type: none"> <li>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.</li> <li>Waste stored onsite must be kept in appropriate containers with lids that can be closed.</li> <li>Waste must be taken to appropriately licensed facilities for reuse, recycling, recovery or disposal.</li> <li>The applicant must comply with the Ekurhuleni Metropolitan Municipality – Solid Waste By-Laws, 2001.</li> </ul> | <p>The <b>extent</b> of the impact: 1<br/> The <b>duration</b> of the impact: 1<br/> The <b>magnitude</b> of the impact: 2<br/> The <b>probability</b> of the impact: 1<br/> The <b>significance</b> of the impact: <b>4 - LOW</b></p> | Low - Medium  |
| <p>Soil pollution of surface and/or groundwater resources from the mixing of concrete.</p> <ul style="list-style-type: none"> <li>The <b>status</b> of the impact: Negative</li> <li>The degree to which the impact can be reversed: Medium</li> <li>The degree to which the impact can be</li> </ul>  | <p>The <b>extent</b> of the impact: 2<br/> The <b>duration</b> of the impact: 2<br/> The <b>magnitude</b> of the impact: 2<br/> The <b>probability</b> of the impact: 2<br/> The <b>significance</b> of the impact: <b>12 - MEDIUM</b></p> | <ul style="list-style-type: none"> <li>Concrete should ideally be mixed on an impermeable surface such as a concrete slab.</li> <li>Cement bags (new and used) must be stored under roof or in closed containers where they will not be exposed to rain.</li> <li>Dry concrete must be removed and disposed of together with other building rubble.</li> </ul>   | <p>The <b>extent</b> of the impact: 1<br/> The <b>duration</b> of the impact: 2<br/> The <b>magnitude</b> of the impact: 2<br/> The <b>probability</b> of the impact: 1<br/> The <b>significance</b> of the impact: <b>5 - LOW</b></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"> <li>The degree to which the impact may cause irreplaceable loss of resources: Medium</li> </ul>  |   |  |   |   |
| <p>Soil erosion due to the clearance of vegetation and the removal of topsoil and subsoil.</p> <ul style="list-style-type: none"> <li>The <b>status</b> of the impact: Negative</li> <li>The degree to which the impact can be reversed: Low</li> <li>The degree to which the impact can be mitigated: High</li> <li>The degree to which the impact may cause irreplaceable loss of resources: Medium</li> </ul>     | <p>The <b>extent</b> of the impact: 1<br/> The <b>duration</b> of the impact: 2<br/> The <b>magnitude</b> of the impact:2<br/> The <b>probability</b> of the impact: 2<br/> The <b>significance</b> of the impact:<br/> <b>10 - MEDIUM</b></p>  | <ul style="list-style-type: none"> <li>Limiting vegetation clearance until it is necessary for soil stripping.</li> <li>Implement adequate erosion prevention measures, such as measures to dissipate runoff water velocities.</li> <li>Implement adequate storm water management measures.</li> </ul> | <p>The <b>extent</b> of the impact: 1<br/> The <b>duration</b> of the impact: 2<br/> The <b>magnitude</b> of the impact:1<br/> The <b>probability</b> of the impact: 1<br/> The <b>significance</b> of the impact:<br/> <b>4 - LOW</b></p>  | Low   |
| <p>Soil compaction to create foundations for buildings and other associated infrastructure.</p> <ul style="list-style-type: none"> <li>The <b>status</b> of the impact: Negative</li> <li>The degree to which the impact can be reversed: Medium</li> <li>The degree to which the impact can be mitigated: High</li> <li>The degree to which the impact may cause irreplaceable loss of resources: Medium</li> </ul> | <p>The <b>extent</b> of the impact: 1<br/> The <b>duration</b> of the impact: 2<br/> The <b>magnitude</b> of the impact:2<br/> The <b>probability</b> of the impact: 2<br/> The <b>significance</b> of the impact:<br/> <b>10 - MEDIUM</b></p>  | <ul style="list-style-type: none"> <li>Soils should be moved when dry, as far as possible.</li> <li>Excessively heavy vehicles should not be used for earthmoving activities. This will minimise compaction of the soil.</li> </ul>  | <p>The <b>extent</b> of the impact: 1<br/> The <b>duration</b> of the impact: 2<br/> The <b>magnitude</b> of the impact:1<br/> The <b>probability</b> of the impact: 1<br/> The <b>significance</b> of the impact:<br/> <b>4 - LOW</b></p>  | Low   |
| <p>Degradation of topsoil due to incorrect storage practices.</p> <ul style="list-style-type: none"> <li>The <b>status</b> of the impact: Negative</li> <li>The degree to which the impact can be reversed: Low</li> <li>The degree to which the impact can be mitigated: High</li> <li>The degree to which the impact may cause irreplaceable loss of resources: Medium</li> </ul>                                  | <p>The <b>extent</b> of the impact: 1<br/> The <b>duration</b> of the impact: 2<br/> The <b>magnitude</b> of the impact:3<br/> The <b>probability</b> of the impact: 2<br/> The <b>significance</b> of the impact:<br/> <b>12 - MEDIUM</b></p>  | <ul style="list-style-type: none"> <li>Topsoil and subsoil must be stored on separate stockpiles.</li> <li>Cover topsoil stockpiles to prevent the soil being washed away during rainfall events.</li> </ul>   | <p>The <b>extent</b> of the impact: 1<br/> The <b>duration</b> of the impact: 2<br/> The <b>magnitude</b> of the impact:3<br/> The <b>probability</b> of the impact: 1<br/> The <b>significance</b> of the impact:<br/> <b>6 - LOW</b></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"> <li>The <b>status</b> of the impact: Negative</li> <li>The degree to which the impact can be reversed: Low</li> <li>The degree to which the impact can be</li> </ul>   | <p>The <b>extent</b> of the impact: 2<br/> The <b>duration</b> of the impact: 1<br/> The <b>magnitude</b> of the impact: 3<br/> The <b>probability</b> of the impact: 2<br/> The <b>significance</b> of the impact:<br/> <b>12 - MEDIUM</b></p> | <ul style="list-style-type: none"> <li>Reference checks should be conducted on all workers before they are appointed.</li> <li>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.</li> </ul>                 | <p>The <b>extent</b> of the impact: 2<br/> The <b>duration</b> of the impact: 1<br/> The <b>magnitude</b> of the impact: 3<br/> The <b>probability</b> of the impact: 1<br/> The <b>significance</b> of the impact:<br/> <b>6 - LOW</b></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"> <li>The degree to which the impact may cause irreplaceable loss of resources: Medium</li> </ul>   |  |  |  |   |
| 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"> <li>The <b>status</b> of the impact: Negative</li> <li>The degree to which the impact can be reversed: Low</li> <li>The degree to which the impact can be mitigated: Low</li> <li>The degree to which the impact may cause irreplaceable loss of resources: Low</li> </ul>   | <p>The <b>extent</b> of the impact: 2<br/> The <b>duration</b> of the impact: 1<br/> The <b>magnitude</b> of the impact: 2<br/> The <b>probability</b> of the impact: 3<br/> The <b>significance</b> of the impact: <b>15 - MEDIUM</b></p> | <ul style="list-style-type: none"> <li>Ensure that construction vehicles are roadworthy and that drivers comply with road rules.</li> <li>Loads must be securely fastened and may not exceed the tonnage limitations for each vehicle.</li> </ul>  | <p>The <b>extent</b> of the impact: 2<br/> The <b>duration</b> of the impact: 1<br/> The <b>magnitude</b> of the impact: 1<br/> The <b>probability</b> of the impact: 3<br/> The <b>significance</b> of the impact: <b>12 - MEDIUM</b></p> | Low   |
| <b>Operational Phase</b>  |  |  |  |   |
| <p>Pollution of surface and/or groundwater resources due to hydrocarbon spillages or leakages from vehicles.</p> <ul style="list-style-type: none"> <li>The <b>status</b> of the impact: Negative</li> <li>The degree to which the impact can be reversed: Medium</li> <li>The degree to which the impact can be mitigated: High</li> <li>The degree to which the impact may cause irreplaceable loss of resources: Medium</li> </ul>         | <p>The <b>extent</b> of the impact: 2<br/> The <b>duration</b> of the impact: 2<br/> The <b>magnitude</b> of the impact: 2<br/> The <b>probability</b> of the impact: 2<br/> The <b>significance</b> of the impact: <b>12 - MEDIUM</b></p> | <ul style="list-style-type: none"> <li>Spill kits must be onsite to clean up any hydrocarbon spillages.</li> <li>Vehicles should regularly be inspected to ensure that any fuel or oil leaks are repaired.</li> </ul>  | <p>The <b>extent</b> of the impact: 2<br/> The <b>duration</b> of the impact: 2<br/> The <b>magnitude</b> of the impact: 2<br/> The <b>probability</b> of the impact: 1<br/> The <b>significance</b> of the impact: <b>6 - LOW</b></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"> <li>The <b>status</b> of the impact: Negative</li> <li>The degree to which the impact can be reversed: Medium</li> <li>The degree to which the impact can be mitigated: High</li> <li>The degree to which the impact may cause irreplaceable loss of resources: Medium</li> </ul> | <p>The <b>extent</b> of the impact: 2<br/> The <b>duration</b> of the impact: 2<br/> The <b>magnitude</b> of the impact: 2<br/> The <b>probability</b> of the impact: 2<br/> The <b>significance</b> of the impact: <b>12 - MEDIUM</b></p> | <ul style="list-style-type: none"> <li>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.</li> <li>Waste stored onsite must be kept in appropriate containers with lids that can be closed.</li> <li>Waste must be taken to appropriately licensed facilities for reuse, recycling, recovery or disposal (last resort).</li> <li>The applicant must comply with the Ekurhuleni Metropolitan Municipality – Solid Waste By-Laws, 2001.</li> </ul> | <p>The <b>extent</b> of the impact: 1<br/> The <b>duration</b> of the impact: 1<br/> The <b>magnitude</b> of the impact: 2<br/> The <b>probability</b> of the impact: 1<br/> The <b>significance</b> of the impact: <b>4 - LOW</b></p>     | Low - Medium  |
| <p>Pollution of surface and/or groundwater resources due to the runoff of contaminated stormwater.</p>  | <p>The <b>extent</b> of the impact: 3<br/> The <b>duration</b> of the impact: 2<br/> The <b>magnitude</b> of the impact: 2</p>   | <ul style="list-style-type: none"> <li>Storm water must be diverted around areas where there are pollution sources.</li> <li>Storm water drainage infrastructure must be</li> </ul>  | <p>The <b>extent</b> of the impact: 2<br/> The <b>duration</b> of the impact: 2<br/> The <b>magnitude</b> 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"> <li>The <b>status</b> of the impact: Negative</li> <li>The degree to which the impact can be reversed: Medium</li> <li>The degree to which the impact can be mitigated: High</li> <li>The degree to which the impact may cause irreplaceable loss of resources: High</li> </ul>  | <p>The <b>probability</b> of the impact: 2<br/>The <b>significance</b> of the impact: <b>14 - MEDIUM</b></p>   | <p>regularly inspected for obstructions.</p> <ul style="list-style-type: none"> <li>No contaminated storm water may be released into the environment from the construction activities.</li> <li>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.</li> <li>Wash water from the wash bay must be contained and not released into the environment.</li> <li>Wash water from the hatchery must be contained and not released into the environment.</li> </ul> | <p>The <b>probability</b> of the impact: 1<br/>The <b>significance</b> of the impact: <b>6 - LOW</b></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"> <li>The <b>status</b> of the impact: Negative</li> <li>The degree to which the impact can be reversed: Low</li> <li>The degree to which the impact can be mitigated: High</li> <li>The degree to which the impact may cause irreplaceable loss of resources: High</li> </ul> | <p>The <b>extent</b> of the impact: 3<br/>The <b>duration</b> of the impact: 2<br/>The <b>magnitude</b> of the impact: 3<br/>The <b>probability</b> of the impact: 2<br/>The <b>significance</b> of the impact: <b>16 - MEDIUM</b></p> | <ul style="list-style-type: none"> <li>Ablution facilities must regularly be cleaned.</li> <li>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.</li> <li>Any broken or blocked pipes must be repaired.</li> <li>Alternative disposal of sewage, instead of the French drain system, should be investigated.</li> </ul>  | <p>The <b>extent</b> of the impact: 3<br/>The <b>duration</b> of the impact: 2<br/>The <b>magnitude</b> of the impact: 3<br/>The <b>probability</b> of the impact: 1<br/>The <b>significance</b> of the impact: <b>8 - LOW</b></p> | Low   |
| <p>The wastage of resources due to the irresponsible use of water and electricity.</p> <ul style="list-style-type: none"> <li>The <b>status</b> of the impact: Negative</li> <li>The degree to which the impact can be reversed: Low</li> <li>The degree to which the impact can be mitigated: High</li> <li>The degree to which the impact may cause irreplaceable loss of resources: Medium</li> </ul>  | <p>The <b>extent</b> of the impact: 3<br/>The <b>duration</b> of the impact: 2<br/>The <b>magnitude</b> of the impact: 2<br/>The <b>probability</b> of the impact: 2<br/>The <b>significance</b> of the impact: <b>14 - MEDIUM</b></p> | <ul style="list-style-type: none"> <li>Consumption of water and electricity must be monitored.</li> <li>Use energy efficient lighting, where possible.</li> <li>Switch off lights, appliances and equipment/machinery when not in use.</li> <li>Water pipes and hoses should be inspected on a regular basis and any leakages should immediately be repaired.</li> <li>Running water taps or hoses may not be left unattended.</li> </ul>   | <p>The <b>extent</b> of the impact: 3<br/>The <b>duration</b> of the impact: 2<br/>The <b>magnitude</b> of the impact: 1<br/>The <b>probability</b> of the impact: 1<br/>The <b>significance</b> of the impact: <b>6 - LOW</b></p> | Low - Medium  |
| <p>Disturbance of any fauna species that may be present onsite.</p> <ul style="list-style-type: none"> <li>The <b>status</b> of the impact: Negative</li> <li>The degree to which the impact can be reversed: Low</li> <li>The degree to which the impact can be</li> </ul>   | <p>The <b>extent</b> of the impact: 1<br/>The <b>duration</b> of the impact: 1<br/>The <b>magnitude</b> of the impact: 1<br/>The <b>probability</b> of the impact: 2<br/>The <b>significance</b> of the impact: <b>6 - LOW</b></p>     | <p>Same mitigation measures as under construction phase.</p>  | <p>The <b>extent</b> of the impact: 1<br/>The <b>duration</b> of the impact: 1<br/>The <b>magnitude</b> of the impact: 1<br/>The <b>probability</b> of the impact: 1<br/>The <b>significance</b> of the impact: <b>3 - LOW</b></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"> <li>The degree to which the impact may cause irreplaceable loss of resources: Low</li> </ul>  |  |  |  |   |
| 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"> <li>The <b>status</b> of the impact: Negative</li> <li>The degree to which the impact can be reversed: Low</li> <li>The degree to which the impact can be mitigated: High</li> <li>The degree to which the impact may cause irreplaceable loss of resources: Low</li> </ul> | <p>The <b>extent</b> of the impact: 3<br/> The <b>duration</b> of the impact: 2<br/> The <b>magnitude</b> of the impact: 3<br/> The <b>probability</b> of the impact: 2<br/> The <b>significance</b> of the impact: <b>16 - MEDIUM</b></p> | Same mitigation measures as under construction phase.  | <p>The <b>extent</b> of the impact: 2<br/> The <b>duration</b> of the impact: 2<br/> The <b>magnitude</b> of the impact: 3<br/> The <b>probability</b> of the impact: 1<br/> The <b>significance</b> of the impact: <b>7 - LOW</b></p>     | Low   |
| <p>Disturbance of wetland zones beyond the property boundary.</p> <ul style="list-style-type: none"> <li>The <b>status</b> of the impact: Negative</li> <li>The degree to which the impact can be reversed: Low</li> <li>The degree to which the impact can be mitigated: High</li> <li>The degree to which the impact may cause irreplaceable loss of resources: High</li> </ul>                               | <p>The <b>extent</b> of the impact: 2<br/> The <b>duration</b> of the impact: 3<br/> The <b>magnitude</b> of the impact: 3<br/> The <b>probability</b> of the impact: 2<br/> The <b>significance</b> of the impact: <b>16 - MEDIUM</b></p> | <ul style="list-style-type: none"> <li>No workers may enter into wetland zones beyond the site boundary.</li> <li>No dumping of material or waste may take place beyond the site boundary or in the wetland zones.</li> <li>No vehicles may enter the wetland zones.</li> </ul>  | <p>The <b>extent</b> of the impact: 2<br/> The <b>duration</b> of the impact: 3<br/> The <b>magnitude</b> of the impact: 3<br/> The <b>probability</b> of the impact: 1<br/> The <b>significance</b> of the impact: <b>8 - LOW</b></p>     | Low - Medium  |
| <p>Release of emissions from vehicles.</p> <ul style="list-style-type: none"> <li>The <b>status</b> of the impact: Negative</li> <li>The degree to which the impact can be reversed: Low</li> <li>The degree to which the impact can be mitigated: Medium</li> <li>The degree to which the impact may cause irreplaceable loss of resources: Medium</li> </ul>  | <p>The <b>extent</b> of the impact: 3<br/> The <b>duration</b> of the impact: 1<br/> The <b>magnitude</b> of the impact: 2<br/> The <b>probability</b> of the impact: 3<br/> The <b>significance</b> of the impact: <b>18 - MEDIUM</b></p> | Same mitigation measures as under construction phase.  | <p>The <b>extent</b> of the impact: 3<br/> The <b>duration</b> of the impact: 1<br/> The <b>magnitude</b> of the impact: 1<br/> The <b>probability</b> of the impact: 2<br/> The <b>significance</b> of the impact: <b>10 - MEDIUM</b></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"> <li>The <b>status</b> of the impact: Negative</li> <li>The degree to which the impact can be reversed: Low</li> </ul>   | <p>The <b>extent</b> of the impact: 3<br/> The <b>duration</b> of the impact: 3<br/> The <b>magnitude</b> of the impact: 2<br/> The <b>probability</b> of the impact: 3<br/> The <b>significance</b> of the impact: <b>24 - HIGH</b></p>   | <ul style="list-style-type: none"> <li>Use high-grade coal as far as possible to decrease sulphur emissions.</li> <li>The hot water boiler must be maintained according to the supplier's maintenance schedules to minimise emissions.</li> <li>Mitigation measures should be implemented at the hot water boiler to minimise particulate</li> </ul> | <p>The <b>extent</b> of the impact: 3<br/> The <b>duration</b> of the impact: 3<br/> The <b>magnitude</b> of the impact: 2<br/> The <b>probability</b> of the impact: 2<br/> The <b>significance</b> of the impact: <b>16 - MEDIUM</b></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"> <li>The degree to which the impact can be mitigated: Medium</li> <li>The degree to which the impact may cause irreplaceable loss of resources: Medium</li> </ul>   |   | matter emissions. <ul style="list-style-type: none"> <li>Ash should be stored in enclosed containers/areas and removed to licensed waste management facilities.</li> </ul>   |   |   |
| Generation of nuisance (odours) and noise. <ul style="list-style-type: none"> <li>The <b>status</b> of the impact: Negative</li> <li>The degree to which the impact can be reversed: Medium</li> <li>The degree to which the impact can be mitigated: High</li> <li>The degree to which the impact may cause irreplaceable loss of resources: Medium</li> </ul> | The <b>extent</b> of the impact: 2<br>The <b>duration</b> of the impact: 3<br>The <b>magnitude</b> of the impact: 2<br>The <b>probability</b> of the impact: 2<br>The <b>significance</b> of the impact: <b>14 - MEDIUM</b> | <ul style="list-style-type: none"> <li>Best practice measures for the poultry industry and intended to minimise and avoid the generation of offensive odours must be implemented at the hatchery.</li> <li>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.</li> <li>Good housekeeping must be maintained at the hatchery.</li> <li>Rodent bait traps and flytraps are prevalent onsite. These must be maintained at the required intervals.</li> <li>Noise levels at the hatchery must be kept to a minimum.</li> <li>Noisy activities must be scheduled during times of the day that will result in the least disturbance to adjacent sensitive receptors.</li> <li>Noisy work must be avoided on weekends and public holidays.</li> <li>Vehicles must not be left idling unnecessarily.</li> <li>All vehicles must be regularly maintained.</li> <li>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"> <li>The date of the complaint;</li> <li>The name and surname of the person lodging the complaint;</li> <li>Details of the complaint; and</li> <li>How and when the complaint was addressed.</li> </ul> </li> <li>Complaints must be addressed within a reasonable period of time and feedback must be provided to the person who lodged the complaint.</li> </ul> | The <b>extent</b> of the impact: 2<br>The <b>duration</b> of the impact: 3<br>The <b>magnitude</b> of the impact: 2<br>The <b>probability</b> of the impact: 1<br>The <b>significance</b> of the impact: <b>7 - LOW</b> | Low   |
| Soil pollution due to hydrocarbon spillages or leakages from vehicles.  | The <b>extent</b> of the impact: 2<br>The <b>duration</b> of the impact: 2<br>The <b>magnitude</b> of the impact: 2   | Same mitigation measures as under construction phase.  | The <b>extent</b> of the impact: 2<br>The <b>duration</b> of the impact: 2<br>The <b>magnitude</b> of the impact: 2   | 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"> <li>The <b>status</b> of the impact: Negative</li> <li>The degree to which the impact can be reversed: Medium</li> <li>The degree to which the impact can be mitigated: High</li> <li>The degree to which the impact may cause irreplaceable loss of resources: Medium</li> </ul>   | <p>The <b>probability</b> of the impact: 2<br/>The <b>significance</b> of the impact: <b>12 - MEDIUM</b></p>   |  | <p>The <b>probability</b> of the impact: 1<br/>The <b>significance</b> of the impact: <b>6 - LOW</b></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"> <li>The <b>status</b> of the impact: Negative</li> <li>The degree to which the impact can be reversed: Medium</li> <li>The degree to which the impact can be mitigated: High</li> <li>The degree to which the impact may cause irreplaceable loss of resources: Medium</li> </ul> | <p>The <b>extent</b> of the impact: 2<br/>The <b>duration</b> of the impact: 2<br/>The <b>magnitude</b> of the impact: 2<br/>The <b>probability</b> of the impact: 2<br/>The <b>significance</b> of the impact: <b>12 - MEDIUM</b></p> | Same mitigation measures as under construction phase.  | <p>The <b>extent</b> of the impact: 1<br/>The <b>duration</b> of the impact: 1<br/>The <b>magnitude</b> of the impact: 2<br/>The <b>probability</b> of the impact: 2<br/>The <b>significance</b> of the impact: <b>4 - LOW</b></p>     | Low - Medium  |
| <p>Soil pollution due to leakages from the sewerage network (pipelines) onsite.</p> <ul style="list-style-type: none"> <li>The <b>status</b> of the impact: Negative</li> <li>The degree to which the impact can be reversed: Low</li> <li>The degree to which the impact can be mitigated: High</li> <li>The degree to which the impact may cause irreplaceable loss of resources: High</li> </ul>                                      | <p>The <b>extent</b> of the impact: 3<br/>The <b>duration</b> of the impact: 2<br/>The <b>magnitude</b> of the impact: 3<br/>The <b>probability</b> of the impact: 2<br/>The <b>significance</b> of the impact: <b>16 - MEDIUM</b></p> | <ul style="list-style-type: none"> <li>Ablution facilities must regularly be cleaned.</li> <li>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.</li> <li>Any broken or blocked pipes must be repaired.</li> </ul>              | <p>The <b>extent</b> of the impact: 3<br/>The <b>duration</b> of the impact: 2<br/>The <b>magnitude</b> of the impact: 3<br/>The <b>probability</b> of the impact: 1<br/>The <b>significance</b> of the impact: <b>8 - LOW</b></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"> <li>The <b>status</b> of the impact: Negative</li> <li>The degree to which the impact can be reversed: Low</li> <li>The degree to which the impact can be mitigated: Low</li> <li>The degree to which the impact may cause</li> </ul>   | <p>The <b>extent</b> of the impact: 2<br/>The <b>duration</b> of the impact: 3<br/>The <b>magnitude</b> of the impact: 2<br/>The <b>probability</b> of the impact: 3<br/>The <b>significance</b> of the impact: <b>21 - HIGH</b></p>   | <ul style="list-style-type: none"> <li>Ensure that vehicles are roadworthy and that drivers comply with road rules.</li> <li>Loads must be securely fastened and may not exceed the tonnage limitations for each vehicle.</li> <li>All loads of waste must be covered before leaving the site to prevent spillages.</li> </ul> | <p>The <b>extent</b> of the impact: 2<br/>The <b>duration</b> of the impact: 3<br/>The <b>magnitude</b> of the impact: 1<br/>The <b>probability</b> of the impact: 3<br/>The <b>significance</b> of the impact: <b>18 - MEDIUM</b></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  |  |   |  |   |
| <b>Post-construction and Rehabilitation Phase</b>  |  |   |  |   |
| <p>Pollution of surface and/or groundwater resources due to hydrocarbon spillages or leakages from construction vehicles.</p> <ul style="list-style-type: none"> <li>The <b>status</b> of the impact: Negative</li> <li>The degree to which the impact can be reversed: Medium</li> <li>The degree to which the impact can be mitigated: High</li> <li>The degree to which the impact may cause irreplaceable loss of resources: Medium</li> </ul> | <p>The <b>extent</b> of the impact: 2<br/> The <b>duration</b> of the impact: 2<br/> The <b>magnitude</b> of the impact: 2<br/> The <b>probability</b> of the impact: 2<br/> The <b>significance</b> of the impact: <b>12 - MEDIUM</b></p> | Same mitigation measures as under construction phase. | <p>The <b>extent</b> of the impact: 2<br/> The <b>duration</b> of the impact: 2<br/> The <b>magnitude</b> of the impact: 2<br/> The <b>probability</b> of the impact: 1<br/> The <b>significance</b> of the impact: <b>6 - LOW</b></p> | Low - Medium  |
| <p>Disturbance of any fauna species that may be present onsite.</p> <ul style="list-style-type: none"> <li>The <b>status</b> of the impact: Negative</li> <li>The degree to which the impact can be reversed: Low</li> <li>The degree to which the impact can be mitigated: High</li> <li>The degree to which the impact may cause irreplaceable loss of resources: Low</li> </ul>   | <p>The <b>extent</b> of the impact: 1<br/> The <b>duration</b> of the impact: 1<br/> The <b>magnitude</b> of the impact: 1<br/> The <b>probability</b> of the impact: 2<br/> The <b>significance</b> of the impact: <b>6 - LOW</b></p>     | Same mitigation measures as under construction phase. | <p>The <b>extent</b> of the impact: 1<br/> The <b>duration</b> of the impact: 1<br/> The <b>magnitude</b> of the impact: 1<br/> The <b>probability</b> of the impact: 1<br/> The <b>significance</b> of the impact: <b>3 - LOW</b></p> | Low   |
| <p>Establishment and spread of alien invasive vegetation (onsite and further than the site).</p> <ul style="list-style-type: none"> <li>The <b>status</b> of the impact: Negative</li> <li>The degree to which the impact can be reversed: Medium</li> <li>The degree to which the impact can be mitigated: High</li> <li>The degree to which the impact may cause irreplaceable loss of resources: High</li> </ul>                                | <p>The <b>extent</b> of the impact: 3<br/> The <b>duration</b> of the impact: 2<br/> The <b>magnitude</b> of the impact: 3<br/> The <b>probability</b> of the impact: 2<br/> The <b>significance</b> of the impact: <b>14 - MEDIUM</b></p> | Same mitigation measures as under construction phase. | <p>The <b>extent</b> of the impact: 2<br/> The <b>duration</b> of the impact: 2<br/> The <b>magnitude</b> of the impact: 3<br/> The <b>probability</b> of the impact: 1<br/> The <b>significance</b> of the impact: <b>7 - LOW</b></p> | Low   |
| <p>Disturbance of wetland zones beyond the property boundary.</p> <ul style="list-style-type: none"> <li>The <b>status</b> of the impact: Negative</li> <li>The degree to which the impact can be reversed: Low</li> <li>The degree to which the impact can be mitigated: High</li> <li>The degree to which the impact may cause</li> </ul>  | <p>The <b>extent</b> of the impact: 2<br/> The <b>duration</b> of the impact: 3<br/> The <b>magnitude</b> of the impact: 3<br/> The <b>probability</b> of the impact: 2<br/> The <b>significance</b> of the impact: <b>16 - MEDIUM</b></p> | Same mitigation measures as under construction phase. | <p>The <b>extent</b> of the impact: 2<br/> The <b>duration</b> of the impact: 3<br/> The <b>magnitude</b> of the impact: 3<br/> The <b>probability</b> of the impact: 1<br/> The <b>significance</b> of the impact: <b>8 - LOW</b></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  |   |   |   |   |
| Generation of dust by construction vehicles. <ul style="list-style-type: none"> <li>The <b>status</b> of the impact: Negative</li> <li>The degree to which the impact can be reversed: Low</li> <li>The degree to which the impact can be mitigated: High</li> <li>The degree to which the impact may cause irreplaceable loss of resources: Medium</li> </ul>   | The <b>extent</b> of the impact: 2<br>The <b>duration</b> of the impact: 1<br>The <b>magnitude</b> of the impact: 2<br>The <b>probability</b> of the impact: 2<br>The <b>significance</b> of the impact: <b>10 - MEDIUM</b> | Same mitigation measures as under construction phase.   | The <b>extent</b> of the impact: 2<br>The <b>duration</b> of the impact: 1<br>The <b>magnitude</b> of the impact: 2<br>The <b>probability</b> of the impact: 1<br>The <b>significance</b> of the impact: <b>5 - LOW</b>     | Low   |
| Release of emissions from construction vehicles. <ul style="list-style-type: none"> <li>The <b>status</b> of the impact: Negative</li> <li>The degree to which the impact can be reversed: Low</li> <li>The degree to which the impact can be mitigated: Medium</li> <li>The degree to which the impact may cause irreplaceable loss of resources: Medium</li> </ul>                                     | The <b>extent</b> of the impact: 3<br>The <b>duration</b> of the impact: 1<br>The <b>magnitude</b> of the impact: 2<br>The <b>probability</b> of the impact: 3<br>The <b>significance</b> of the impact: <b>18 - MEDIUM</b> | Same mitigation measures as under construction phase.   | The <b>extent</b> of the impact: 3<br>The <b>duration</b> of the impact: 1<br>The <b>magnitude</b> of the impact: 1<br>The <b>probability</b> of the impact: 2<br>The <b>significance</b> of the impact: <b>10 - MEDIUM</b> | Low - Medium  |
| Generation of nuisance and noise from construction vehicles and equipment/machinery. <ul style="list-style-type: none"> <li>The <b>status</b> of the impact: Negative</li> <li>The degree to which the impact can be reversed: Low</li> <li>The degree to which the impact can be mitigated: Medium</li> <li>The degree to which the impact may cause irreplaceable loss of resources: Medium</li> </ul> | The <b>extent</b> of the impact: 2<br>The <b>duration</b> of the impact: 1<br>The <b>magnitude</b> of the impact: 2<br>The <b>probability</b> of the impact: 3<br>The <b>significance</b> of the impact: <b>15 - MEDIUM</b> | Same mitigation measures as under construction phase.   | The <b>extent</b> of the impact: 1<br>The <b>duration</b> of the impact: 1<br>The <b>magnitude</b> of the impact: 2<br>The <b>probability</b> of the impact: 2<br>The <b>significance</b> of the impact: <b>8 - LOW</b>     | Low - Medium  |
| Soil erosion due to inefficient rehabilitation of construction areas. <ul style="list-style-type: none"> <li>The <b>status</b> of the impact: Negative</li> <li>The degree to which the impact can be reversed: High</li> <li>The degree to which the impact can be mitigated: High</li> <li>The degree to which the impact may cause irreplaceable loss of resources: Medium</li> </ul>                 | The <b>extent</b> of the impact: 1<br>The <b>duration</b> of the impact: 2<br>The <b>magnitude</b> of the impact: 2<br>The <b>probability</b> of the impact: 2<br>The <b>significance</b> of the impact: <b>10 - MEDIUM</b> | <ul style="list-style-type: none"> <li>Rehabilitation must already be initiated during the construction phase, where possible.</li> <li>Areas for rehabilitation must be cleared of any building rubble and/or debris before rehabilitation is commenced with.</li> <li>Soil should be moved when dry, as far as possible.</li> <li>Weeds must be removed prior to soil replacement.</li> <li>Grass should be planted on rehabilitated areas, or these areas must be paved or concreted. No open soil may be present onsite.</li> </ul> | The <b>extent</b> of the impact: 1<br>The <b>duration</b> of the impact: 2<br>The <b>magnitude</b> of the impact: 1<br>The <b>probability</b> of the impact: 1<br>The <b>significance</b> of the impact: <b>4 - LOW</b>     | 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"> <li>Rehabilitated areas must be monitored to ensure that rehabilitation was effective.</li> </ul> |  |   |
| 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

- No instructions have been received from the South African Heritage Resources Agency (SAHRA) as yet regarding requirements in terms of the National Heritage Resources Act, Act 25 of 199.

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<br>X | NO |
|----------|----|

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).**
  
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

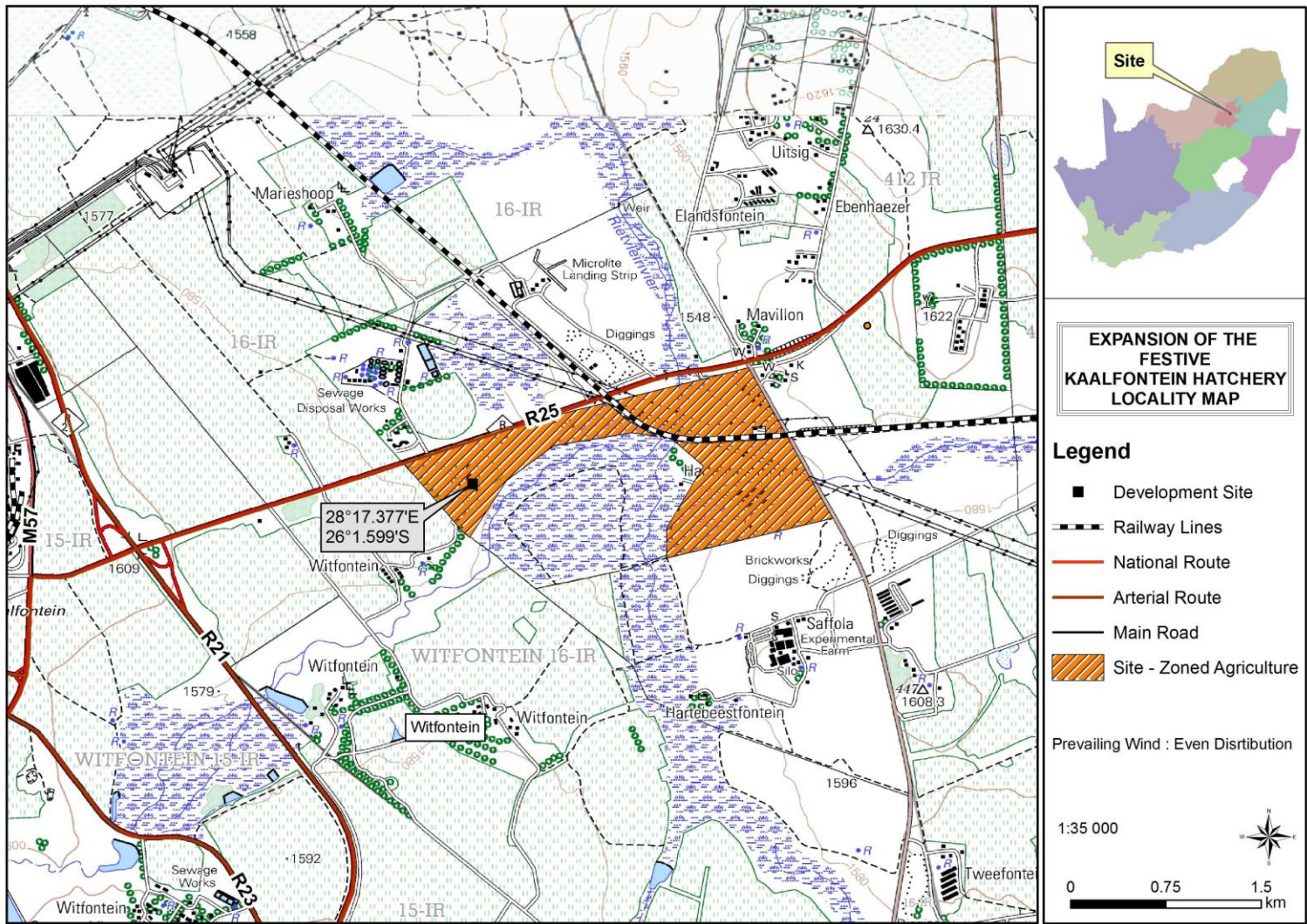
Appendix I: Other information

### CHECKLIST

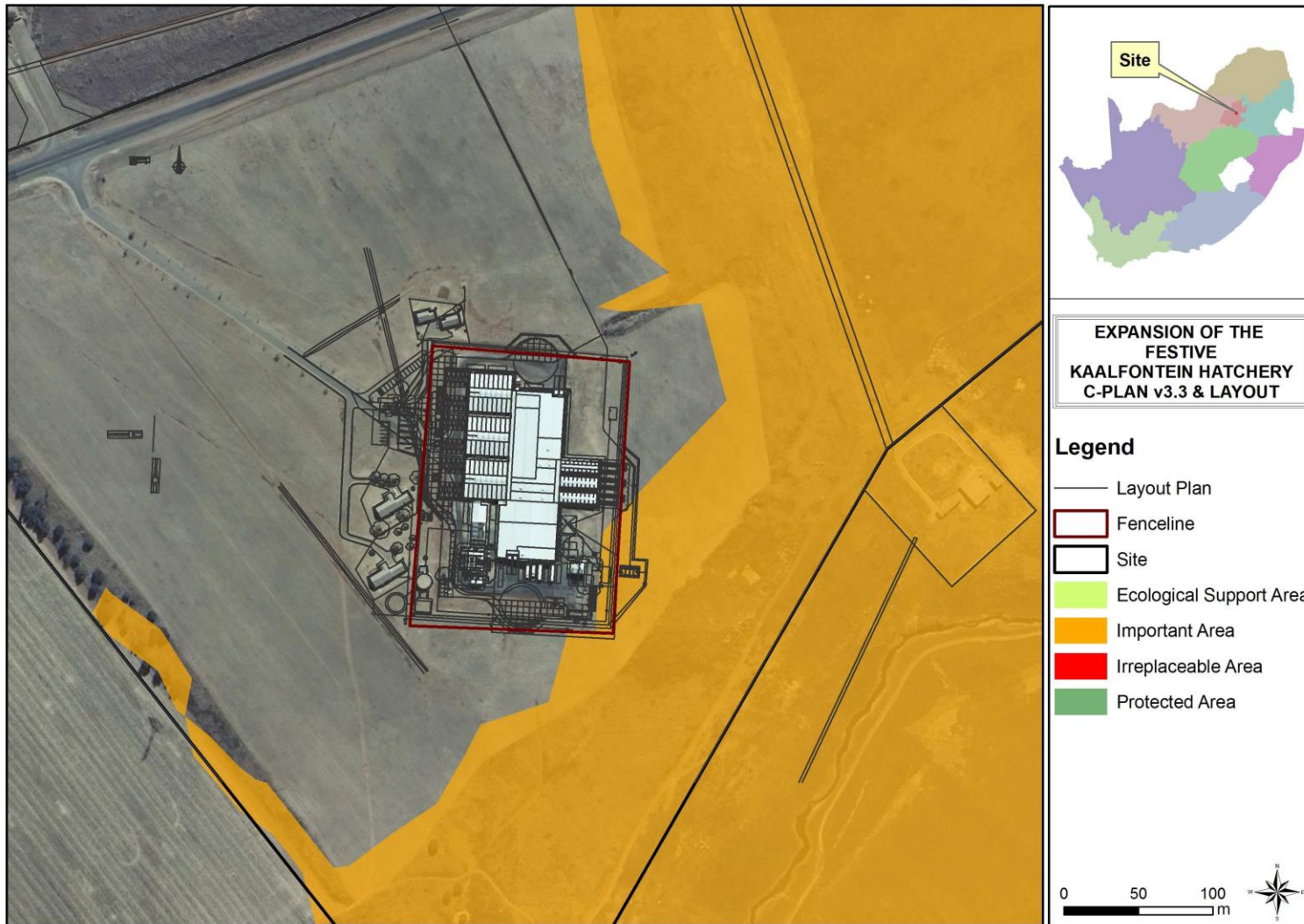
To ensure that all information that the Department needs to be able to process this application, please check that:

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

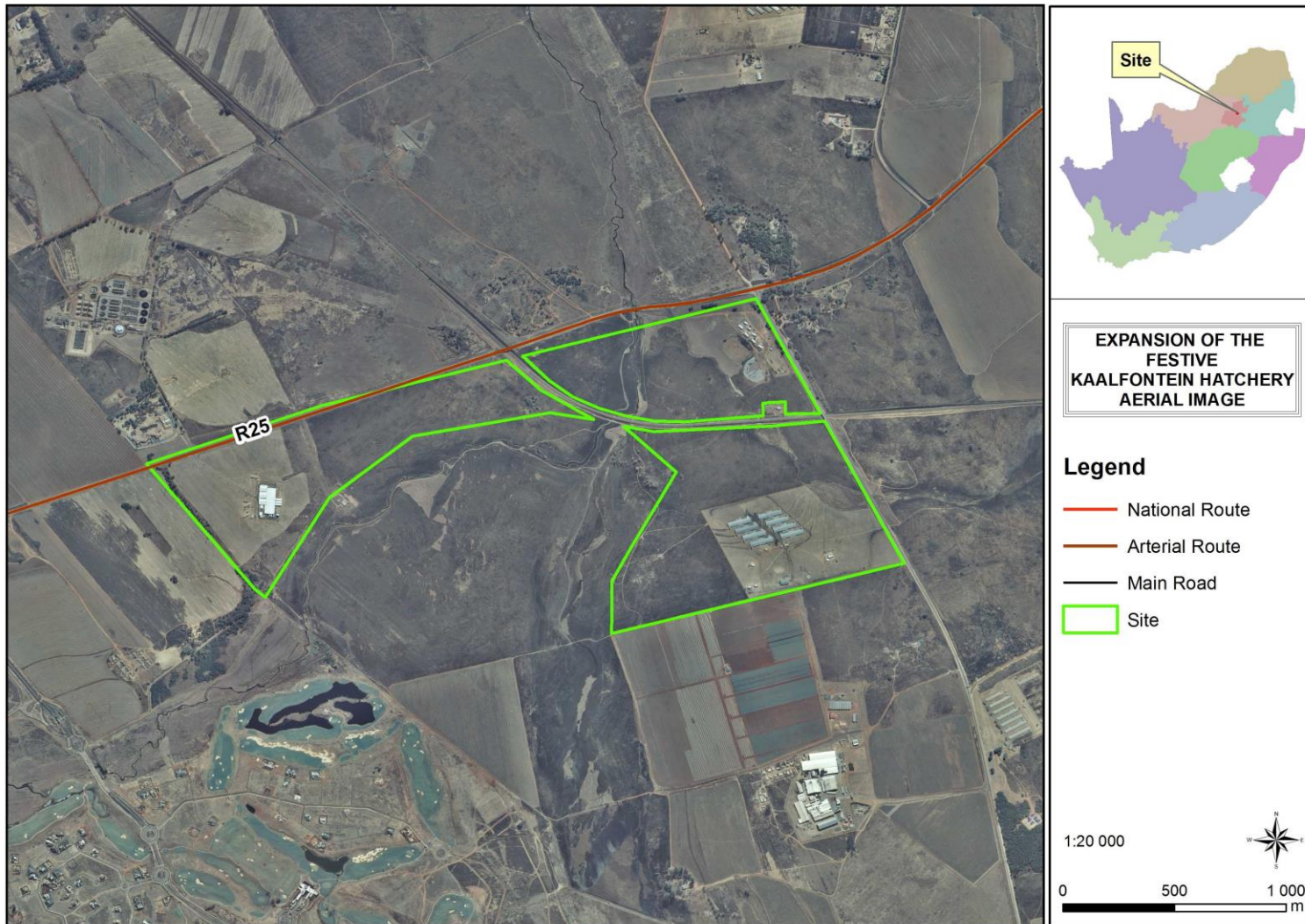
**Appendix A: Site plan(s)**



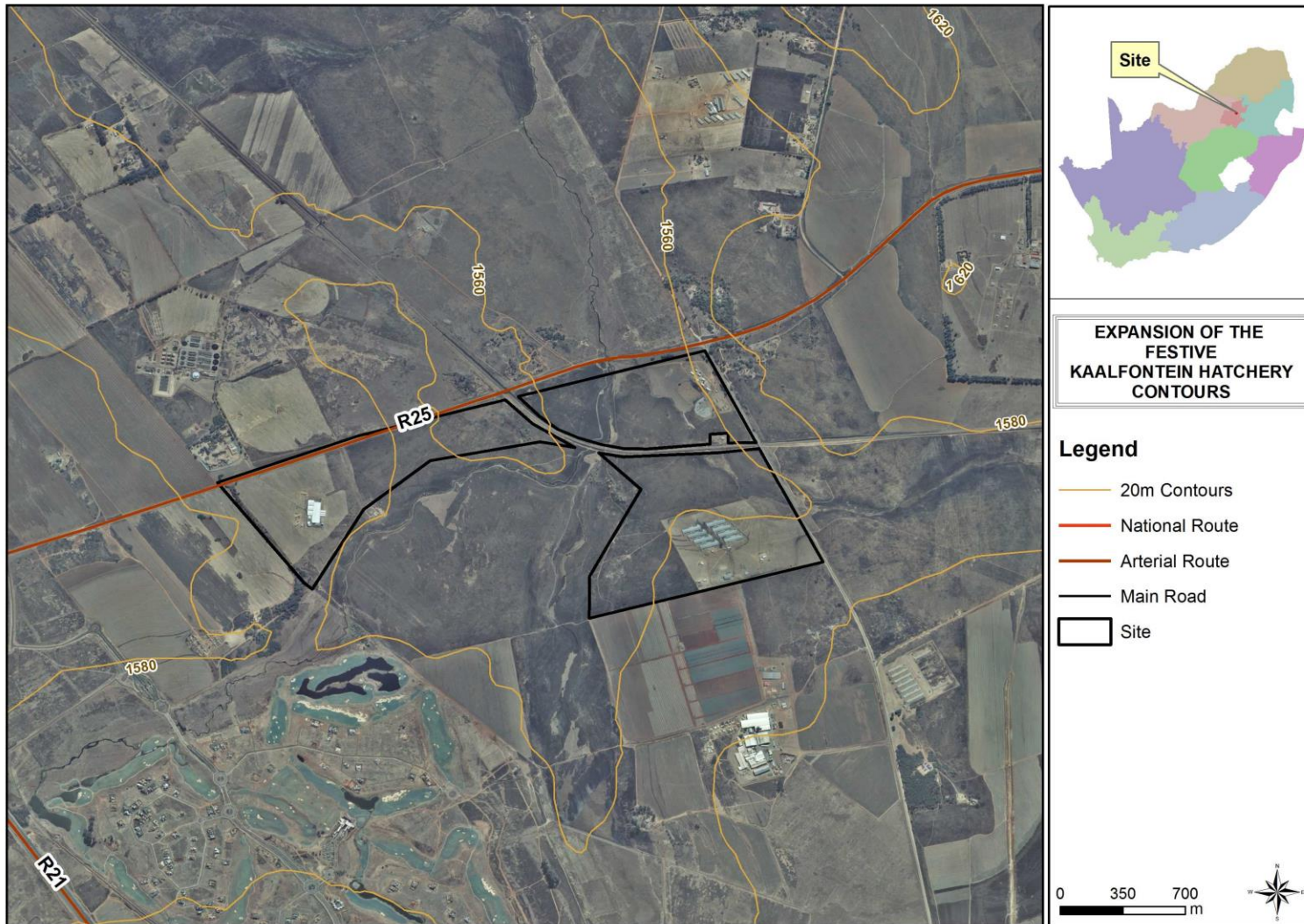
*Site locality map*



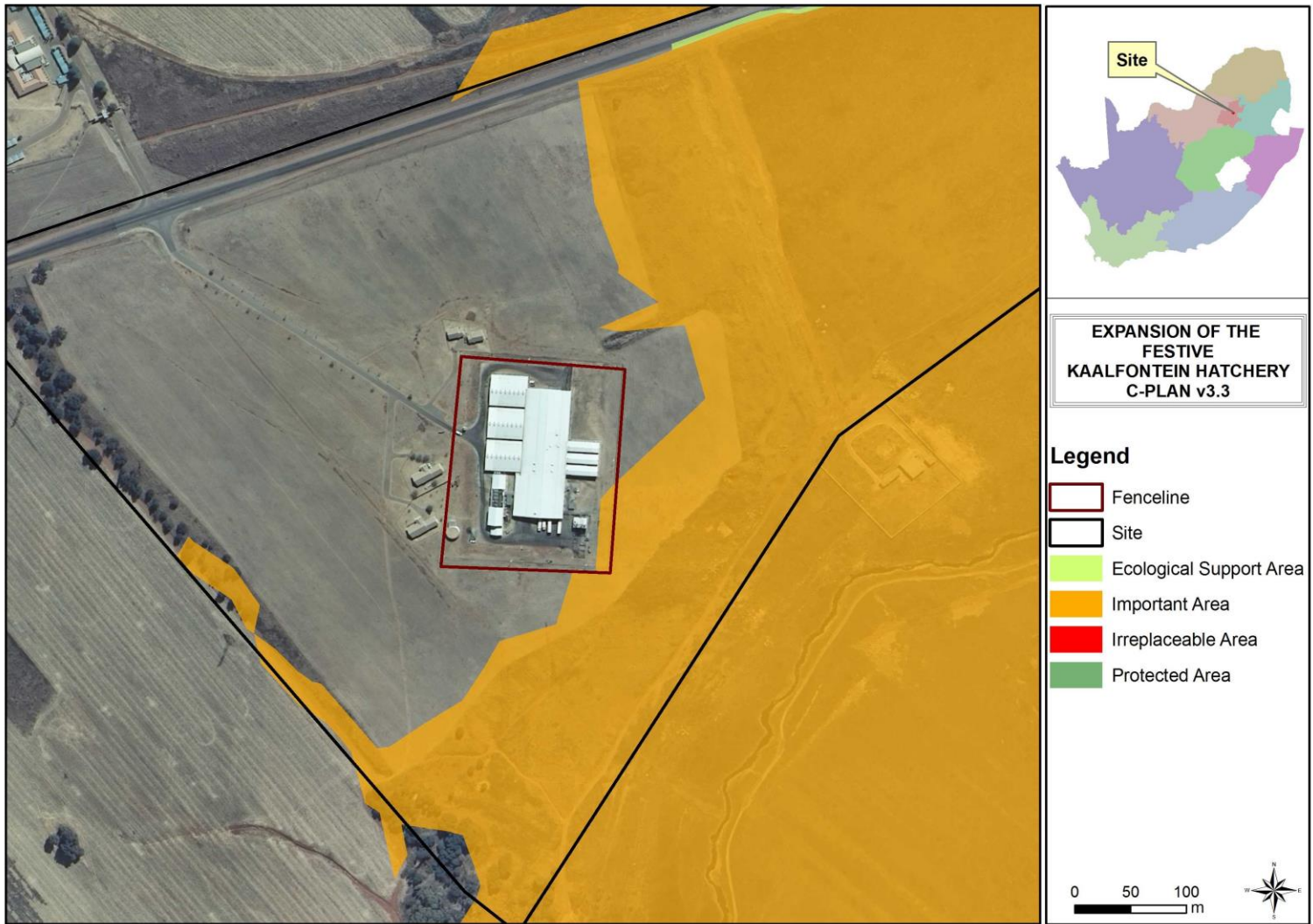
*Sensitivity overlay plan*



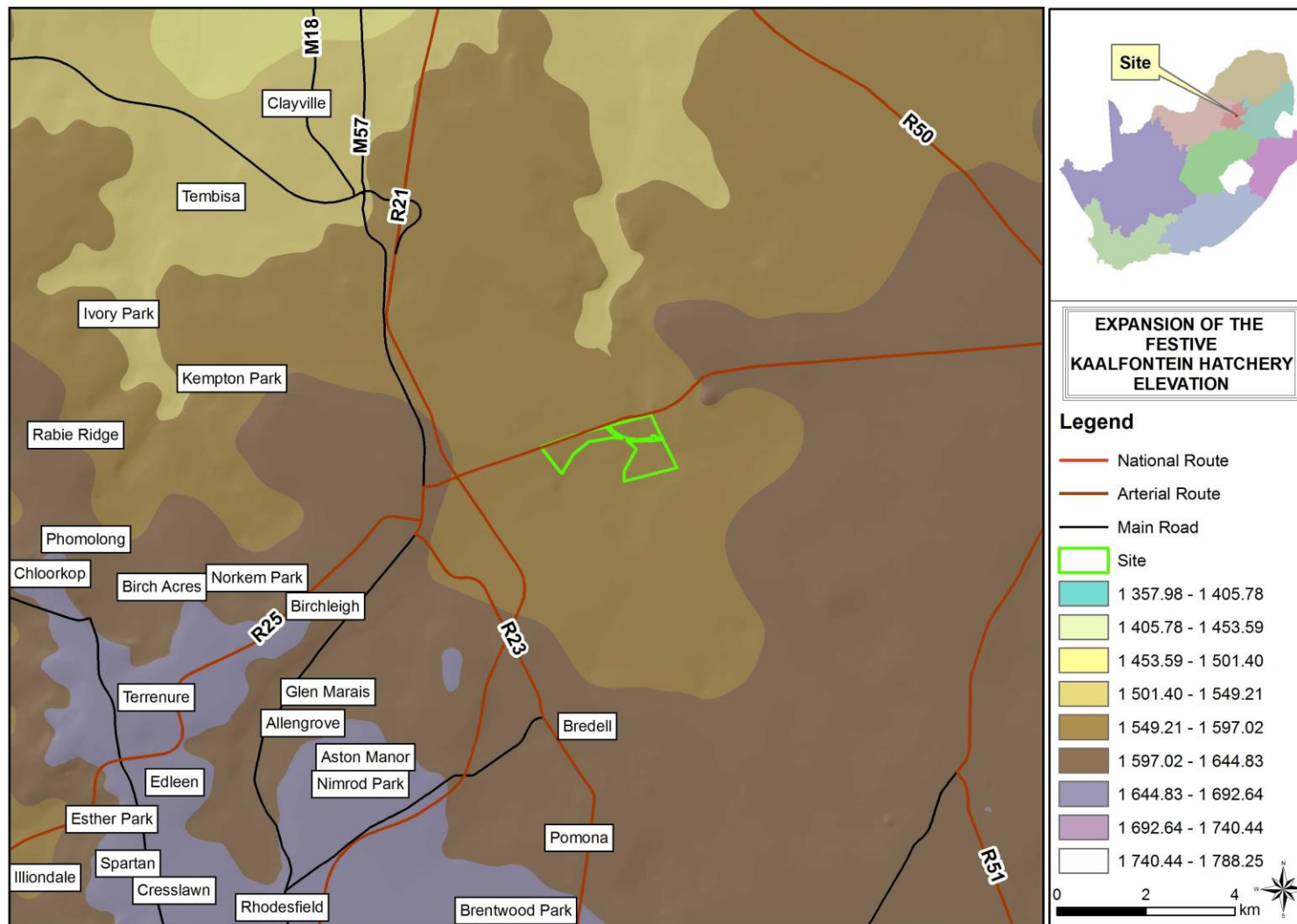
*Aerial map of the project property and surrounds*



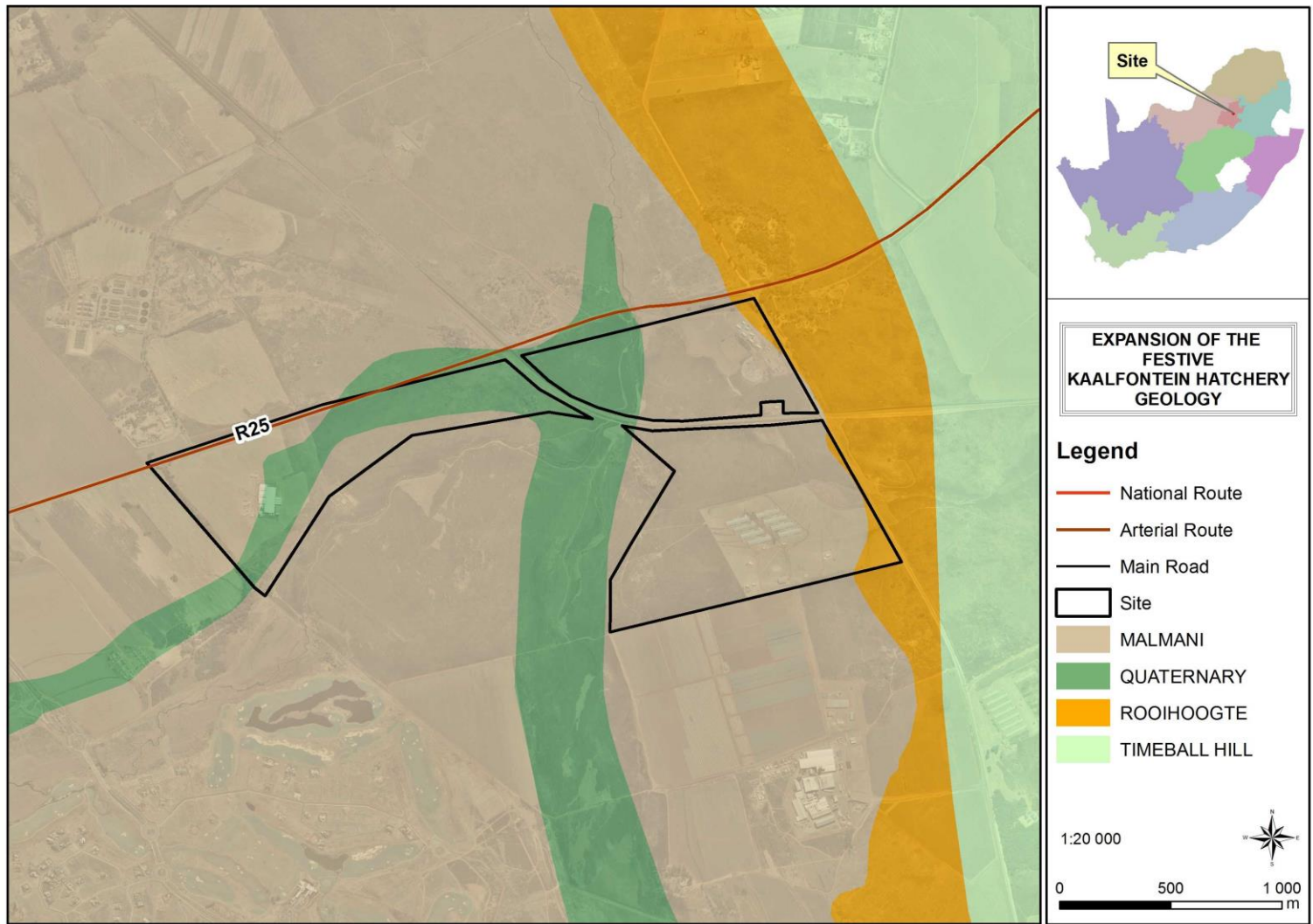
*Contour map of the project property and surrounds*



*C-Plan map of the site*

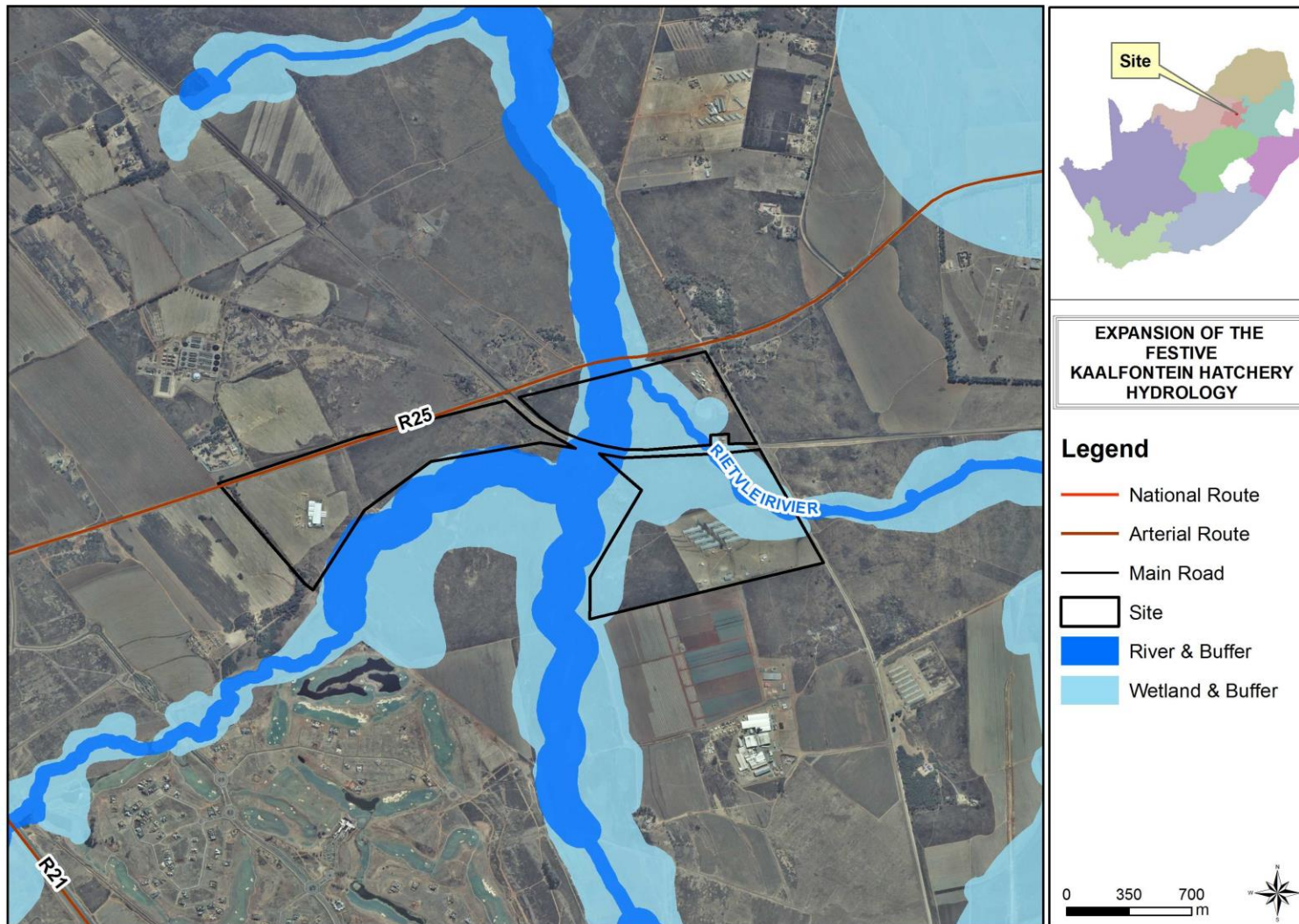


*Elevation map of the project property and surrounds*

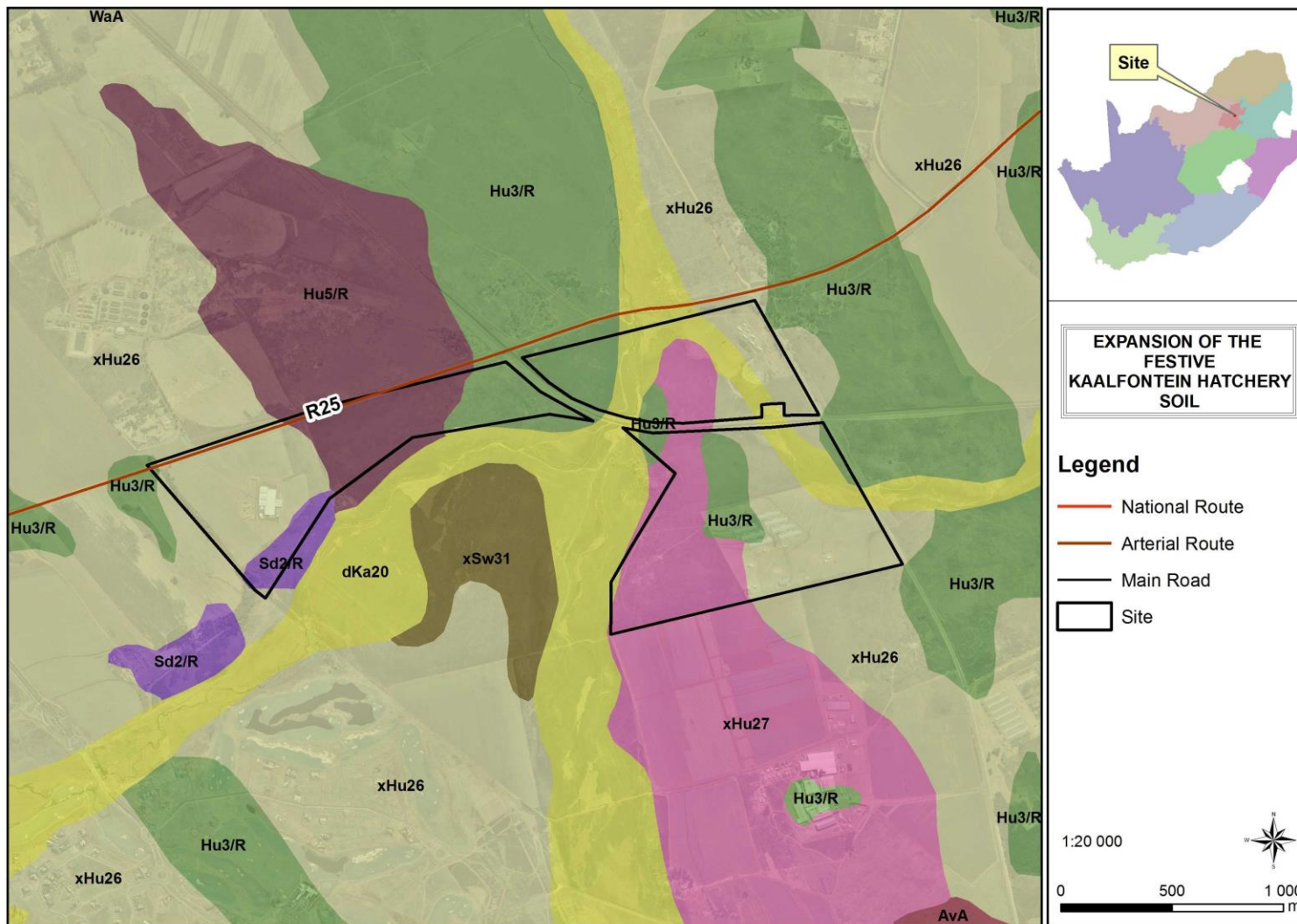


*Geology map of the project property and surrounds*

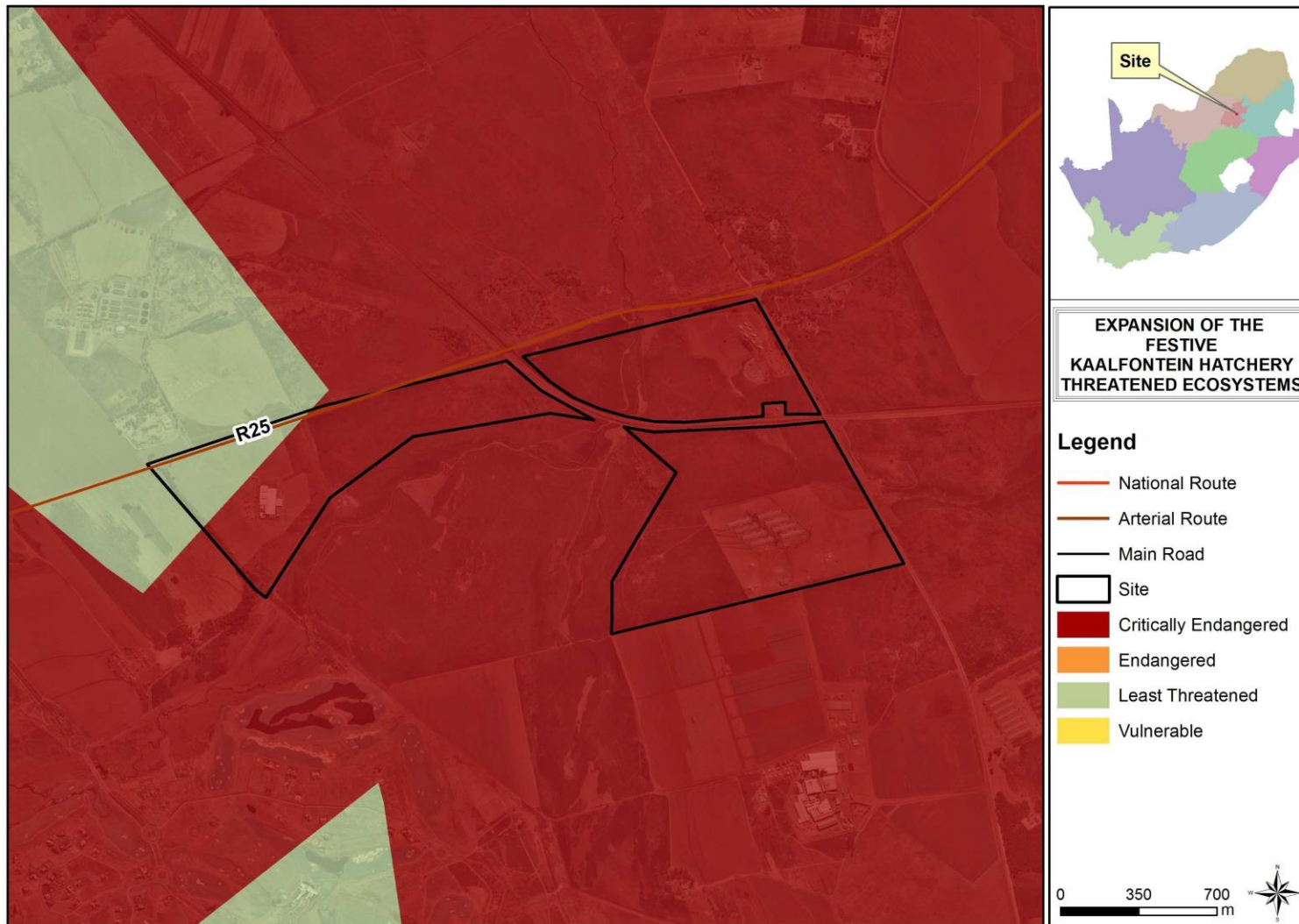




*Hydrology map of the project property and surrounds*



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**



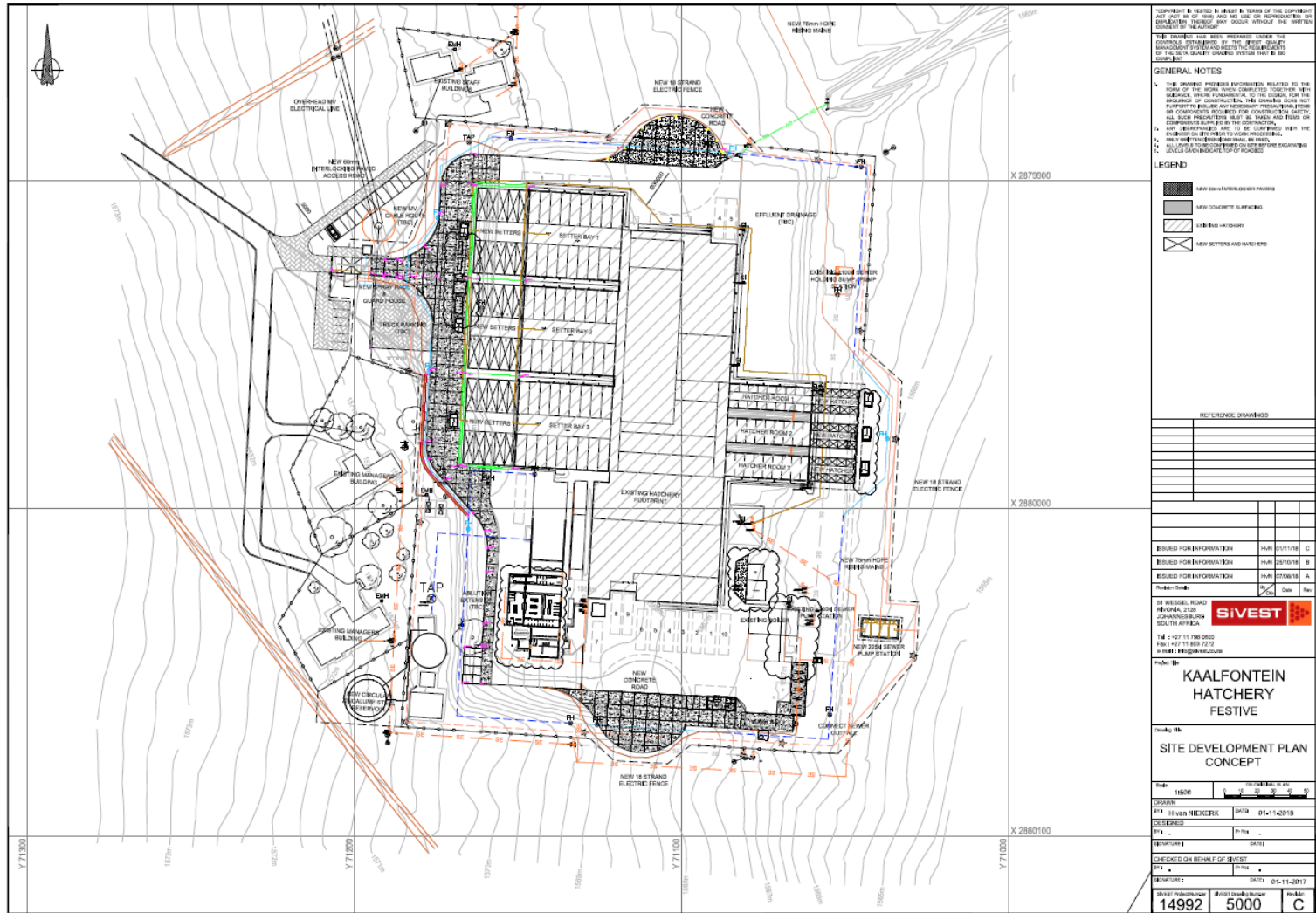








# Appendix C: Facility illustration(s)



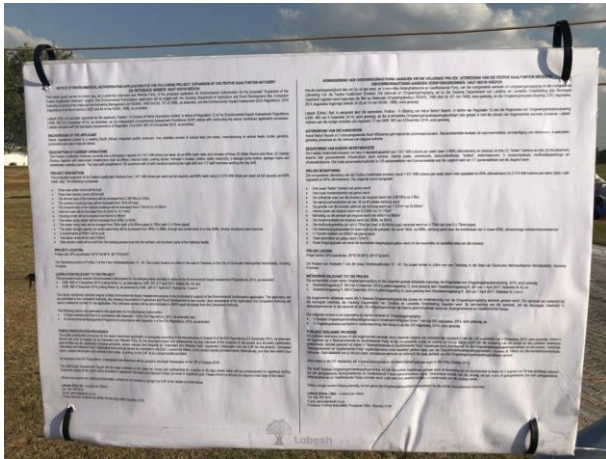
Facility illustration for the proposed expansion project

## **Appendix D: Route position information**

Not Applicable.

## **Appendix E: Public participation information**

# Appendix 1 – Proof of site notice



**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 hatchery 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 437m<sup>2</sup> to 10 000m<sup>2</sup>
- Internal roads will be increased from 8 234m<sup>2</sup> to 10 110m<sup>2</sup>
- Housing onsite will be increased from 640m<sup>2</sup> to 860m<sup>2</sup>
- 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 600m<sup>2</sup> will be built
- Two spray races will be built (120m<sup>2</sup>)
- 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 Hartbeestfontein 17 - IR. The project location is approximately 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 details provided.

As required in the EIA Regulations, a newspaper advertisement will be placed in the Beeld Newspaper on the 12<sup>th</sup> 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 BROEIERIJ**  
**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 omgewingsmagting vir die voorgestelde Uitbreiding Van die Festive Kaalfontein Broeierij. Die aansoek vir Omgewingsmagting 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 getask 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-broeierij het tans 'n deursnitkapasiteit van 1 617 408 kuikens per week (teen 'n 80% uitbroeikoers) en bestaan uit drie (3) 'Setter' Kamers en drie (3) Broeikamers, tesame met geassosieerde infrastruktuur soos kantore, interne paaie, parkeerplek, bestuurdershuise, 'boilers', waterreservoirs, 'n roofpompstasie, roofhoofoplydings 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-broeierij vanaf 1 617 408 kuikens per week (teen volle kapasiteit en 80% uitbroeikoers) tot 2 515 968 kuikens per week (teen volle kapasiteit en 80% uitbroeikoers). Die volgende word voorgestel:

- Drie nuwe 'Setter' Kamers sal gebou word
- Drie nuwe broeierskamers sal gebou word
- Die omtrentde area van die broeierij sal vergroot word van 2.8618ha na 3.5ha
- Die aantal parkeerplekke sal van 18 na 40 plekke verhoog word
- Die grootte van die broeierij geboue sal verhoog word van 7 437m<sup>2</sup> na 10 000m<sup>2</sup>
- Interne paaie sal vergroot word van 8 234m<sup>2</sup> na 10 110m<sup>2</sup>
- Behuising op die perseel sal vergroot word van 640m<sup>2</sup> na 860m<sup>2</sup>
- Die roofpompstasie sal vergroot word van 300KL na 600KL
- Die roofhoofoplydings 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 600m<sup>2</sup> sal gebou word
- Twee spruitsees sal gebou word (120m<sup>2</sup>)
- Nuwe toegangspaaie sal vanaf die bestaande toegangspad gebou word vir die noordelike en suidelike dele van die broeierij

**PROEJ LIGGING**

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

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

**WETGEWING RELEVANT TOT DIE PROEJ**

Die voorgestelde projek vereis Omgewingsmagting 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 Omgewingsmagting 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 uit reik. Dit verwysingsnommer sal daarna gekommunikeer word aan Belanghebbende en Geïnteresseerde Partye.

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

- '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 (verkygbaar by die Omgewingsimpakbeoordelingspraktisyn vir die projek). Voltooi '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 geplaat 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**



Postnet Box 469, Private Bag X504, Sinoville, 0129  
Toll: 087 230 8482  
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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 437m<sup>2</sup> to 10 000m<sup>2</sup>
- Internal roads will be increased from 8 224m<sup>2</sup> to 10 110m<sup>2</sup>
- Housing onsite will be increased from 640m<sup>2</sup> to 860m<sup>2</sup>
- 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 600m<sup>2</sup> will be built
- Two spray races will be built (120m<sup>2</sup>)
- 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

Postnet Box 469, Private Bag X504, Sinoville, 0129

Tell: 087 230 8462

Cell: 082 789 6525

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 12<sup>th</sup> 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.

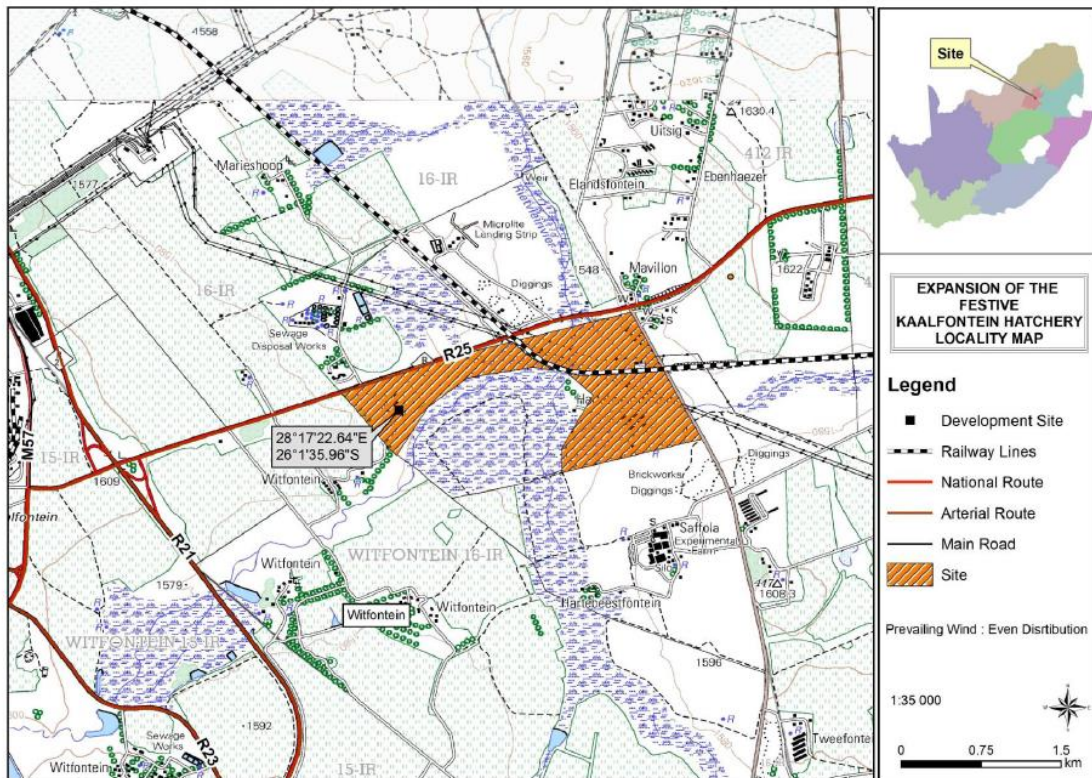




Postnet Box 469, Private Bag X504, Sinoville, 0129  
Tel: 087 230 8462  
Cell: 082 789 6525  
Email: lourens@labesh.co.za

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





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ability to sustain

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 Email: lourens@labesh.co.za

| <b>INTERESTED AND AFFECTED PARTY REGISTRATION FORM</b>  |       |  |      |  |      |  |
|---|-------|--|------|--|------|--|
| <b>EXPANSION OF THE FESTIVE KAALFONTEIN HATCHERY - GAUT 002/18-19/E0124</b>   |       |  |      |  |      |  |
| TITLE   |       |  |      |  |      |  |
| NAME  |       |  |      |  |      |  |
| SURNAME   |       |  |      |  |      |  |
| DO YOU REPRESENT AN ORGANISATION? IF SO, PLEASE SPECIFY ORGANISATION NAME   |       |  |      |  |      |  |
| CELL PHONE NUMBER   |       |  |      |  |      |  |
| TELEPHONE NUMBER (H)  |       |  |      |  |      |  |
| TELEPHONE NUMBER (W)  |       |  |      |  |      |  |
| FAX NUMBER  |       |  |      |  |      |  |
| EMAIL ADDRESS   |       |  |      |  |      |  |
| PHYSICAL ADDRESS  |       |  |      |  |      |  |
| FARM NAME AND PORTION (IF APPLICABLE)   |       |  |      |  |      |  |
| POSTAL ADDRESS  |       |  |      |  |      |  |
| PREFERRED WRITTEN CONTACT METHOD  | EMAIL |  | FAX  |  | POST |  |
| PREFERRED TELEPHONIC CONTACT METHOD   | CELL  |  | HOME |  | WORK |  |
| ARE THERE ANY OTHER PARTIES THAT YOU FEEL SHOULD BE NOTIFIED OF THIS PROPOSED PROJECT? IF SO, PLEASE PROVIDE CONTACT DETAILS FOR SAID PARTIES |       |  |      |  |      |  |
| PLEASE INDICATE WHETHER YOU HAVE ANY COMMENTS OR CONCERNS REGARDING THE PROPOSED PROJECT  | YES   |  | NO   |  |      |  |
| IF YES, PLEASE DETAIL YOUR COMMENTS IN THE SECTION PROVIDED BELOW (ATTACH EXTRA PAGES IF NECESSARY)   |       |  |      |  |      |  |
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Postnet Box 469, Private Bag X504, Sinoville, 0129  
Tell: 087 230 8462  
Cell: 082 789 6525  
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<br>Tel: 082 789 6525<br>Email: admin@labesh.co.za<br>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**

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<br>Tel: 082 789 6525<br>Email: admin@labesh.co.za<br>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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Tell: 087 230 8462  
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Email: lourens@labesh.co.za

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**

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.

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| Environmental Assessment Practitioner for the project | Labesh (Pty) Ltd - Lourens de Villiers<br>Tel: 082 789 6525<br>Email: admin@labesh.co.za<br>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.



Postnet Box 469, Private Bag X504, Sinoville, 0129  
Tell: 087 230 8462  
Cell: 082 789 6525  
Email: lourens@labesh.co.za

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**

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.

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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<br>Tel: 082 789 6525<br>Email: admin@labesh.co.za<br>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

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  
PROJECT: EXPANSION OF THE FESTIVE KAALFONTEIN HATCHERY  
EIA REFERENCE NUMBER: GAUT 002/18-19/E0124**

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| Environmental Assessment Practitioner for the project | Labesh (Pty) Ltd - Lourens de Villiers<br>Tel: 082 789 6525<br>Email: admin@labesh.co.za<br>Postal Address: PostNet Box #469, Private Bag X504, Sinoville, 0129 |

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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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October 15, 2018

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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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| <b>Environmental Assessment Practitioner for the project</b> | Labesh (Pty) Ltd - Lourens de Villiers<br>Tel: 082 789 6525<br>Email: admin@labesh.co.za<br>Postal Address: PostNet Box #469, Private Bag X504, Sinoville, 0129 |

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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.



**Labesh**  
ABILITY TO SUSTAIN

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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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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  
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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  
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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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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  
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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  
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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<br>Tel: 082 789 6525<br>Email: admin@labesh.co.za<br>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.



Postnet Box 469, Private Bag X504, Sinoville, 0129  
Tel: 087 230 8462  
Cell: 082 789 6525  
Email: lourens@labesh.co.za

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**

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<br>Tel: 082 789 6525<br>Email: admin@labesh.co.za<br>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.



October 15, 2018

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

Postnet Box 469, Private Bag X504, Sinoville, 0129  
Tell: 087 230 8462  
Cell: 082 789 6525  
Email: lourens@labesh.co.za

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**

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<br>Tel: 082 789 6525<br>Email: admin@labesh.co.za<br>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.

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Labesh (Pty) Ltd.

## Appendix 3 – Proof of newspaper advertisements

**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 437m<sup>2</sup> to 10 000m<sup>2</sup>; •Internal roads will be increased from 8 224m<sup>2</sup> to 10 110m<sup>2</sup>; •Housing onsite will be increased from 640m<sup>2</sup> to 860m<sup>2</sup>; •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 zinalume steel reservoir; •A transit facility of 600m<sup>2</sup> will be built; •Two spray races will be built (120m<sup>2</sup>); •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/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 437m<sup>2</sup> to 10 000m<sup>2</sup>; • Internal roads will be increased from 8 224m<sup>2</sup> to 10 110m<sup>2</sup>; • Housing onsite will be increased from 640m<sup>2</sup> to 880m<sup>2</sup>; • 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 600m<sup>2</sup> will be built; • Two spray races will be built (120m<sup>2</sup>); • New access roads will be built from the existing 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 8469, Private Bag X504, Sinoville, 0129.

**KAALFONTEIN OKT 12 (L) 4045**



**Appendix 4 – Communications to and from interested and affected parties**

## Labesh Admin

**From:** Caroline Msibi <Caroline.Msibi@gauteng.gov.za>  
**Sent:** 15 October 2018 12:28  
**To:** Labesh Admin  
**Cc:** Ntshepiseng Moloji  
**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](mailto: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](http://www.gautengonline.gov.za) - The information contained in this communication from [caroline.msibi@gauteng.gov.za](mailto: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](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**  
LABORATORY SERVICES

Postnet Box 469  
Private Bag X504  
Siyoville 6129

## Labesh Admin

---

**From:** Labesh Admin <admin@labesh.co.za>  
**Sent:** 15 October 2018 13:55  
**To:** 'Caroline Msibi'  
**Cc:** 'Ntshepising 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:** Ntshepising 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](mailto: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](http://www.gautengonline.gov.za) - The information contained in this communication from [caroline.msibi@gauteng.gov.za](mailto: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](mailto:admin@labesh.co.za) and others authorized to receive it. If you are not [admin@labesh.co.za](mailto: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](mailto: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>

**Subject:** FW: Public Participation Notification - Environmental Authorisation Application: Expansion of the Festive Kaalfontein Hatchery - GAUT 002/18-19/E0124

**Importance:** High

FYA.

Cecilia Rakgoale  
Impact Management Practitioner  
Legislative Compliance Division  
Environmental Resource Management Department  
Ekurhuleni Metropolitan Municipality  
Tel: (011) 999 3316  
Cell: 084 492 3655  
Fax: (086) 506 8177  
Email: [Cecilia.rakgoale@ekurhuleni.gov.za](mailto:Cecilia.rakgoale@ekurhuleni.gov.za)

*"God my refuge and strength, an ever-present help in trouble"*

---

**From:** Pearl Sekgoela

**Sent:** Thursday, October 18, 2018 8:59 AM

**To:** Tswelopele Mello <[Tswelopele.Mello@ekurhuleni.gov.za](mailto:Tswelopele.Mello@ekurhuleni.gov.za)>; Cecilia Rakgoale <[Cecilia.Rakgoale@ekurhuleni.gov.za](mailto:Cecilia.Rakgoale@ekurhuleni.gov.za)>; Lillian Kwakwa <[Lillian.Kwakwa@ekurhuleni.gov.za](mailto:Lillian.Kwakwa@ekurhuleni.gov.za)>

**Cc:** Medupe Ramafoko <[Medupe.Ramafoko@ekurhuleni.gov.za](mailto:Medupe.Ramafoko@ekurhuleni.gov.za)>

**Subject:** FW: Public Participation Notification - Environmental Authorisation Application: Expansion of the Festive Kaalfontein Hatchery - GAUT 002/18-19/E0124

**Importance:** High

Good morning

FYA.

---

**From:** Jerry Chaka

**Sent:** Wednesday, October 17, 2018 10:26 PM

**To:** Pearl Sekgoela <[Pearl.Sekgoela@ekurhuleni.gov.za](mailto:Pearl.Sekgoela@ekurhuleni.gov.za)>

**Cc:** Nomvula Sirenqe <[Nomvula.Sirenqe@ekurhuleni.gov.za](mailto:Nomvula.Sirenqe@ekurhuleni.gov.za)>

**Subject:** FW: Public Participation Notification - Environmental Authorisation Application: Expansion of the Festive Kaalfontein Hatchery - GAUT 002/18-19/E0124

**Importance:** High

Find attached. Hope this is your area. If not, redirect.

**Mr. Jerry Chaka**

**Divisional Head: Environmental Health**

**Health and Social Development Department**



|                   |  |
|-------------------|--|
| Telephone:        | +27 (0) 11 999 2969/70   |
| Facsimile:        | +27 (0) 11 861-8835/086 525 1156   |
| E-mail:           | <a href="mailto:Jerry.Chaka@ekurhuleni.gov.za">Jerry.Chaka@ekurhuleni.gov.za</a> |
| Website:          | <a href="http://www.ekurhuleni.gov.za">www.ekurhuleni.gov.za</a>                 |
| Postal:           | Private Bag X1069, Germiston, 1400   |
| Physical: Address | Alberton Civic Centre, 6 <sup>th</sup> Floor, Room 0615, Alberton, 1449          |

**From:** Labesh Admin [<mailto:admin@labesh.co.za>]  
**Sent:** Monday, October 15, 2018 11:06 AM  
**To:** Jerry Chaka <[Jerry.Chaka@ekurhuleni.gov.za](mailto:Jerry.Chaka@ekurhuleni.gov.za)>  
**Cc:** 'Labesh' <[lourens@labesh.co.za](mailto:lourens@labesh.co.za)>  
**Subject:** Public Participation Notification - Environmental Authorisation Application: Expansion of the Festive Kaalfontein Hatchery - GAUT 002/18-19/E0124  
**Importance:** High

Attention: Mr Jerry Chaka

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](mailto:lourens@labesh.co.za)

Postnet Box 480  
Private Bag 3504  
Sibayile 0129


Labesh



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 @city\_ekurhuleni

 CityofEkurhuleni

 GET IT ON  
Google Play

 Download on the  
App Store

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>

## 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 2012



**Labesh**  
Environmental Authorisation

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**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) 999-4218  
Fax: 086 625 5964

[www.ekurhuleni.gov.za](http://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](mailto: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.



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**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](mailto: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](http://www.sahra.org.za)

Enquiries: Andrew Salomon  
Tel: 021 462 4502  
Email: [asalomon@sahra.org.za](mailto: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](http://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

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Tel: 021 462 4502  
Email: [asalomon@sahra.org.za](mailto:asalomon@sahra.org.za)  
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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

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Andrew Salomon  
Heritage Officer: Archaeology  
South African Heritage Resources Agency

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

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

**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*

| 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<br/>                     Personal Assistant : Office of Head of Department<br/>                     Gauteng Department of Human Settlements<br/>                     Tel: +27 11 355 4800 Cell: +27 (72) 199 9484<br/>                     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&amp;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<br/> Environmental Resource &amp; Waste Management Department<br/> City OF Ekurhuleni<br/> Edenvale Civic Centre<br/> cnr Hendrik Potgieter and Van Riebeeck Street<br/> Edenvale<br/> C/O Sifiso Ndwandwe (room 201)</p> <p>Kind Regards,</p> <p>Anél Hietbrink<br/> Environmental Assessment Practitioner<br/> Legislative Compliance<br/> 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<br/> Division Head:<br/> Environmental Health</p> | <p>City of Ekurhuleni – Health and Social Development Department</p> | <p>18-10-2018</p>     | <p>Email</p>                 | <p><b>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)</b></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"> <li>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.</li> <li>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.</li> <li>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</li> </ol> |                 |

| 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><b>CaseID: 13030</b><br/> <b>In terms of Section 38 of the National Heritage Resources Act (Act 25 of 1999)</b></p> <p>Attention: Festive - A Division of Astral Operations Limited</p> <p><b>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).</b></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 <a href="http://www.asapa.org.za">www.asapa.org.za</a>) 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. <b>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.</b></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. |                 |

## **Appendix 7 – Comments from I&APs on Basic Assessment (BA) Report**

No comments have been received on the Basic Assessment Report. This is the first public review of the Basic Assessment Report.



## **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*

| <b>Name</b>   | <b>Farm/Association</b>   | <b>Postal Address</b>                    | <b>Contact Details</b>   |
|---|---|--|--|
| Mr Jerry Chaka<br>Division Head: Environmental Health | City of Ekurhuleni Metropolitan Municipality                          | PO Box 13 Kempton Park<br>1620           | Tel: 011 999 4218<br>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<br>Marshalltown<br>2107 | Tel: 011 355 3258<br>Email: khanyisa.nkuna@gauteng.gov.za                  |
| HOD: Professor Mkhululi Lukhele                       | Gauteng Department of Health  | Private Bag X085<br>Marshalltown<br>2107 | Forward to: Maureen.motjelele@gauteng.gov.za                               |
| Acting HOD: Mr Makhukhu Mampuru                       | Gauteng Department of Social Development                              | PO Box 8769<br>Johannesburg<br>2000      | Tel: 011 355 7600 / 011 227 0000<br>Email: makhukhu.mampuru@gauteng.gov.za |
| HOD: Mr Nhlakanipho Nkontwana                         | Gauteng Department of Agriculture and Rural Development               | PO Box 8769<br>Johannesburg 2000         | Tel: 011 240 2576<br>Email: Nhlakanipho.Nkontwana@gauteng.gov.za           |
| HOD: Ms Thandeka Mbassa                               | Gauteng Department of Co-operative Governance and Traditional Affairs | Private Bag X86<br>Marshalltown<br>2107  | Tel: 011 355 4015/6<br>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<br>2107                     | Email: sipho.maseko2@gauteng.gov.za  |
| HOD: Ms. Phindile Mbanjwa       | Gauteng Department of Economic Development       | Private Bag X091<br>Marshalltown<br>2107 | Tel: 011 355 8111<br>Email: Phindile.Mbanjwa@gauteng.gov.za<br>Mmatshepo.Seabela@gauteng.gov.za    |
| Acting HOD: Mr Makhukhu Mampuru | Gauteng Department of Economic Development       | Private Bag X091<br>Marshalltown<br>2107 | Tel: 011 355 8111<br>Email: Makhukhu.Mampuru@gauteng.gov.za  |
| HOD: Ms Matilda M Gasela        | Gauteng Department of Human Settlements          | Private Bag X79<br>Marshalltown<br>2107  | Tel: 011 355 4800/4512<br>Email: caroline.msibi@gauteng.gov.za                                     |
| HOD: Mr Bethuel Netshiswinzhe   | Gauteng Department of Infrastructure Development | Private Bag X83<br>Marshalltown 2107     | Tel: 011 355 5080<br>Email: tumelo.maimane@gauteng.gov.za  |
| HOD: Mr Ronald Swartz           | Gauteng Department of Roads and Transport        | PO Box X88<br>Marshalltown<br>2107       | Tel: 011 355 7301/ 7342<br>Email: Ronald.Swartz@gauteng.gov.za<br>gproads.transport@gauteng.gov.za |
| Thato Mjona                     | Department of Water and Sanitation – A21A        | Private Bag X313<br>Pretoria<br>0001     | Email: mjonat@dws.gov.za   |
| Andrew Salomon                  | South African Heritage Resources Agency (SAHRA)  | PO Box 4637<br>Cape Town                 | Tel: 021 462 4502<br>Email: info@sahra.org.za  |

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

**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.

## EXPANSION OF THE FESTIVE KAALFONTEIN HATCHERY

Our Ref: 13030



an agency of the  
Department of Arts and Culture

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South African Heritage Resources Agency | 111 Harrington Street | Cape Town  
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Enquiries: Andrew Salomon  
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Attention: Festive - A Division of Astral Operations Limited

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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](http://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

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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

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



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

## **Appendix G: Specialist reports**

There are no specialist reports available for this project.

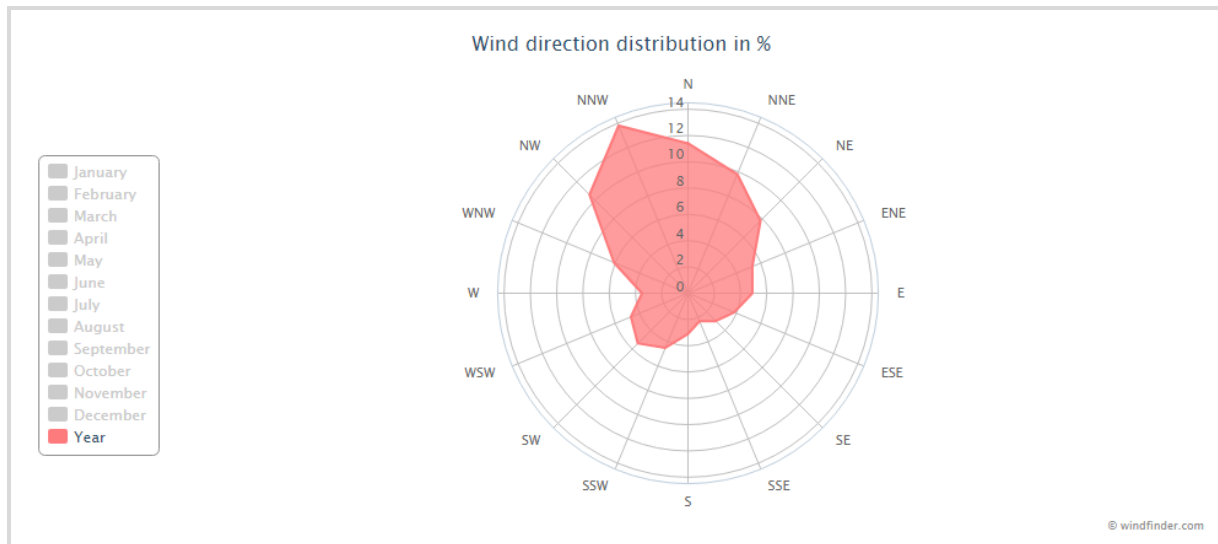
## **Appendix H: EMPr**

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](http://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](http://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](https://www.windfinder.com/windstatistics/Johannesburg_or_tambo_airport))