



REFERENCE NUMBER: 16/3/3/1/A2/37/3034/19

ENQUIRIES: MS. K. ADRIAANSE

DATE OF ISSUE:

2020 -03- 2 5

The Director
Chamomile Farming Enterprises
P.O. Box 45681

OTTERY
7800

Attention: Ms. W. Jappie

Tel: (021) 703 2821

Fax: (086) 943 3212

Dear Madam

APPLICATION FOR ENVIRONMENTAL AUTHORISATION IN TERMS OF THE NATIONAL ENVIRONMENTAL MANAGEMENT ACT, 1998 (ACT NO.107 OF 1998) AND THE ENVIRONMENTAL IMPACT ASSESSMENT REGULATIONS, 2014 (AS AMENDED): PROPOSED EXPANSION OF AN EXISTING CHICKEN EGG LAYING FACILITY ON ERF 259, PHILLIPI AND THE DEVELOPMENT OF A NEW CHICKEN EGG LAYING FACILITY AND ASSOCIATED INFRASTRUCTURE ON A PORTION OF FARM NO. 1449, PHILIPPI.

1. With reference to the above application, the Department hereby notifies you of its decision to **grant** Environmental Authorisation, attached herewith, together with the reasons for the decision.
2. In terms of Regulation 4 of the Environmental Impact Assessment Regulations, 2014 (as amended), you are instructed to ensure, within 14 days of the date of the decision on the application, that all registered interested and affected parties ("I&APs") are provided with access to the decision and reasons for the decision, and that all registered I&APs are notified of their right to appeal.
3. Your attention is drawn to Chapter 2 of the National Appeal Regulations, 2014 (as amended), which prescribes the appeal procedure to be followed. This procedure is summarised in the attached Environmental Authorisation.

Yours faithfully

MR. ZAHIR TOEFY
DIRECTOR: DEVELOPMENT MANAGEMENT (REGION 1)

Copies to: (1) Ms. V. Read (Victoria Read Environmental Consulting)

(2) Mr. D. Daniels (Department of Water and Sanitation)

(3) Mr. R. Samaai (City of Cape Town: Environmental Resources Management Department)

(4) Mr. C. van der Walt (Western Cape Government Department of Agriculture)

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REFERENCE: 16/3/3/1/A2/37/3034/19

NEAS REFERENCE: WCP/EIA/0000672/2019

ENQUIRIES: MS. K. ADRIAANSE

DATE OF ISSUE:

2020 -03- 25

ENVIRONMENTAL AUTHORISATION

APPLICATION FOR ENVIRONMENTAL AUTHORISATION IN TERMS OF THE NATIONAL ENVIRONMENTAL MANAGEMENT ACT, 1998 (ACT NO. 107 OF 1998) AND THE ENVIRONMENTAL IMPACT ASSESSMENT REGULATIONS, 2014 (AS AMENDED): PROPOSED EXPANSION OF AN EXISTING CHICKEN EGG LAYING FACILITY ON ERF 259, PHILLIPI AND THE DEVELOPMENT OF A NEW CHICKEN EGG LAYING FACILITY AND ASSOCIATED INFRASTRUCTURE ON A PORTION OF FARM NO. 1449, PHILIPPI.

With reference to your application for the abovementioned, find below the outcome with respect to this application.

DECISION

By virtue of the powers conferred on it by the National Environmental Management Act, 1998 (Act No. 107 of 1998) ("NEMA") and the Environmental Impact Assessment ("EIA") Regulations, 2014 (as amended), the Competent Authority herewith **grants Environmental Authorisation** to the applicant to undertake the listed activities specified in section B below with respect to the Preferred Alternative, described in the Basic Assessment Report ("BAR"), dated November 2019.

The applicant for this Environmental Authorisation is required to comply with the conditions set out in section E below.

A. DETAILS OF THE APPLICANT FOR THIS ENVIRONMENTAL AUTHORISATION

The Director
c/o Ms. W. Jappie
Chamomile Farming Enterprises
P.O. Box 45681

OTTERY
7800

Tel: (021) 703 2821

Fax: (086) 943 3212

The abovementioned applicant is the holder of this Environmental Authorisation and is hereinafter referred to as "**the holder**".

B. LIST OF ACTIVITIES AUTHORISED

Listed Activities	Activity/Project Description
<p>Listing Notice 1 of the NEMA EIA Regulations, 2014 (as amended):</p> <p>Activity Number: 5 Activity Description:</p> <p><i>The development and related operation of facilities or infrastructure for the concentration of—</i></p> <p>(i) <i>more than 1 000 poultry per facility situated within an urban area, excluding chicks younger than 20 days;</i></p> <p>(ii) <i>more than 5 000 poultry per facility situated outside an urban area, excluding chicks younger than 20 days;</i></p> <p>(iii) <i>more than 5 000 chicks younger than 20 days per facility situated within an urban area; or</i></p> <p>(iv) <i>more than 25 000 chicks younger than 20 days per facility situated outside an urban area.</i></p>	<p>The proposed development entails the development of chicken egg laying facilities for the concentration of approximately 350 000 poultry outside an urban area of Farm No. 1449, Philippi.</p>
<p>Activity Number: 8 Activity Description:</p> <p><i>The development and related operation of hatcheries or agri-industrial facilities outside industrial complexes where the development footprint covers an area of 2 000 square metres or more.</i></p>	<p>The proposed development entails the development of chicken egg laying facilities outside an industrial complex with a development footprint of approximately 6500m² in extent on Farm No. 1449, Philippi.</p>
<p>Activity Number: 40 Activity Description:</p> <p><i>The expansion and related operation of facilities for the concentration of poultry, excluding chicks younger than 20 days, where the capacity of the facility will be increased by—</i></p> <p>(i) <i>more than 1 000 poultry where the facility is situated within an urban area; or</i></p> <p>(ii) <i>more than 5 000 poultry per facility situated outside an urban area.</i></p>	<p>The proposed expansion entails the expansion of an existing chicken egg laying facility by 60 000 poultry outside an urban area on Erf 259, Philippi.</p>

The abovementioned list is hereinafter referred to as "**the listed activities**".

The holder is herein authorised to undertake the following alternative that includes the listed activities as it relates to the proposed development:

The proposed development entails expansion of an existing chicken egg laying facility and associated infrastructure on Erf 259, Philippi and the development of a new chicken egg laying facility and associated on a portion of Farm No. 1449, Philippi.

- The expansion of the existing chicken egg laying facility on Erf 259, Philippi entails the following:

The retro-fitting of the two existing chicken egg laying houses to create an additional egg laying tier for an additional 27 000 egg laying chickens.

The development of one new chicken egg laying house to accommodate approximately 33 000 egg laying chickens. The development footprint will be approximately 1200m² in extent.

The proposed expansion will result in an increase of approximately 60 000 chickens. The total number of egg laying chickens on Erf 259, Philippi will be approximately 70 000.

An existing borehole will be used to supply water for the chicken egg laying houses. Approximately 45m³ of water will be used for the washing of houses and for providing water to the chickens for drinking purposes. Houses are washed once per year once the egg-laying cycle has been completed. An existing conservancy tank with a capacity of approximately 15.5m³ will be used for the temporary storage of wash water generated by the proposed development. The wash water will be evacuated after every egg laying chicken house has been cleaned. Sufficient, spare and unallocated electricity supply is available for the proposed expansion.

Existing access to Erf 259, Philippi is gained off Middle Avenue, Philippi.

- The proposed development of a new chicken egg laying facility and associated infrastructure on a portion of Farm No. 1449, Philippi entails the following:

The development of approximately six new chicken egg laying houses to accommodate approximately 350 000 egg laying chickens. The development footprint will be approximately 6500m² in extent.

An existing borehole will be used to supply water for the washing of the chicken egg laying houses. Approximately 80m³ of water will be used for the washing of houses and for providing water to the chickens for drinking purposes. Houses are washed once per year once the egg-laying cycle has been completed. A conservancy tank with a capacity of approximately 15.5m³ will be installed for the temporary storage of wash water generated by the proposed development. The wash water will be evacuated after every egg laying chicken house has been cleaned. Sufficient, spare and unallocated electricity supply is available for the proposed expansion.

Access to Farm No. 1449 will be gained off Boundary Road, Philippi.

Each chicken egg laying house will comprise of:

- Laying cage equipment;
- A water drinking system;
- A feeding system;
- An egg collection system;
- A manure removal system;
- A ventilation system; and
- Associated infrastructure.

The collection of eggs and manure will be automated using a conveyor belt system. Manure that is collected will be sold to neighbouring farms as fertiliser. Once the egg laying cycle is completed, the chickens will be sold and each house will be cleaned.

C. SITE DESCRIPTION AND LOCATION

The authorised listed activities will be undertaken on Erf 259, Philippi, which is located off Middle Avenue, Philippi and Farm No. 1449, Philippi, which is located off Boundary Road, Philippi and has the following co-ordinates:

Erf 259, Philippi:

Point	Latitude	Longitude
Middle	34°02'2.25" South	18°32'30.12" East

A portion of Farm No. 1449, Philippi:

Point	Latitude	Longitude
Middle	34°03'2.55" South	18°54'95.85" East

The SG 21-digit codes are:

Erf 259	C01600500000025900000
Farm No. 1449	C01600000000144900000

Refer to Annexure 1: Locality Map and Annexure 2: Site Plan.

The above is hereinafter referred to as "**the sites**".

D. DETAILS OF THE ENVIRONMENTAL ASSESSMENT PRACTITIONER

Victoria Read Environmental Consulting (Pty) Ltd.
c/o Ms. V. Read
13 Watermeyer Street
Blouberg Rise
CAPE TOWN
7441

Cell: (072) 550 6546

Email: Victoria@readenvironmental.co.za

E. CONDITIONS OF AUTHORISATION

Scope of authorisation

1. The holder is authorised to undertake the listed activities specified in Section B above in accordance with and restricted to the Preferred Alternative described in the BAR dated November 2019 on the site as described in Section C above.
2. The holder must commence with the listed activities on site within a period of **five (5) years** from the date of issue of this Environmental Authorisation.
3. The holder shall be responsible for ensuring compliance with the conditions by any person acting on his/her behalf, including an agent, sub-contractor, employee or any person rendering a service to the holder.
4. Any changes to, or deviations from the scope of the alternative described in section B above must be accepted or approved, in writing, by the Competent Authority before such changes or deviations may be implemented. In assessing whether to grant such acceptance/approval or not, the Competent Authority may request information in order to evaluate the significance and impacts of such changes or deviations, and it may be necessary for the holder to apply for further authorisation in terms of the applicable legislation.

Written notice to the Competent Authority

5. A minimum of 7 (seven) calendar days' notice, in writing, must be given to the Competent Authority before commencement of development activities.
 - 5.1. The notice must make clear reference to the site details and EIA Reference number given above.

- 5.2. The notice must also include proof of compliance with the following conditions described herein:

Conditions: 6, 7, 8.1, 10 and 16.1

Notification and administration of appeal

6. The holder must in writing, within 14 (fourteen) calendar days of the date of this decision–
- 6.1. Notify all registered Interested and Affected Parties ("I&APs") of –
- 6.1.1. the outcome of the application;
 - 6.1.2. the reasons for the decision as included in Annexure 3;
 - 6.1.3. the date of the decision; and
 - 6.1.4. the date when the decision was issued.
- 6.2. Draw the attention of all registered I&APs to the fact that an appeal may be lodged against the decision in terms of the National Appeal Regulations, 2014 (as amended) detailed in Section G below;
- 6.3. Draw the attention of all registered I&APs to the manner in which they may access the decision; and
- 6.4. Provide the registered I&APs with:
- 6.4.1. the name of the holder (entity) of this Environmental Authorisation,
 - 6.4.2. name of the responsible person for this Environmental Authorisation,
 - 6.4.3. postal address of the holder,
 - 6.4.4. telephonic and fax details of the holder,
 - 6.4.5. e-mail address, if any, of the holder,
 - 6.4.6. the contact details (postal and/or physical address, contact number, facsimile and e-mail address) of the decision-maker and all registered I&APs in the event that an appeal is lodged in terms of the National Appeal Regulations, 2014 (as amended).
7. The listed activities, including site preparation, must not commence within 20 (twenty) calendar days from the date the holder notifies the registered I&APs of this decision. In the event that an appeal is lodged with the Appeal Authority, the effect of this Environmental Authorisation is suspended until the appeal is decided i.e. the listed activities, including site preparation, must not commence until the appeal is decided.

Management of activity

8. The draft Environmental Management Programme ("EMPr") dated November 2019 and submitted as part of the application for Environmental Authorisation is hereby approved, on condition that the following amendments are made, and must be implemented.
- 8.1. A detailed stormwater management plan must be compiled and included in the EMPr prior to the commencement of the development phase. The updated EMPr must be submitted to this Directorate prior to the commencement of the development phase.
- 8.2. A Biosecurity Plan must be compiled and implemented. A copy of the Biosecurity plan must be submitted to the Competent Authority prior to the commencement of the operational phase for information purposes.
9. The EMPr must be included in all contract documentation for all phases of implementation.

Monitoring

10. The holder must appoint a suitably experienced environmental control officer ("ECO"), or site agent where appropriate, before the commencement of development activities to ensure compliance with the provisions of the EMPr and the conditions contained in this Environmental Authorisation.
11. A copy of the Environmental Authorisation, EMPr, Environmental Audit Reports and compliance monitoring reports must be kept at the site where the listed activities will be undertaken and must be made available to any authorised official on request.
12. Access to the site referred to in Section C above must be granted, and the environmental reports mentioned above must be produced, to any authorised official representing the Competent Authority who requests to see it for the purposes of assessing and/or monitoring compliance with the conditions contained herein.

Auditing

13. In terms of Regulation 34 of the NEMA EIA Regulations, 2014 (as amended), the holder must conduct environmental audits to determine compliance with the conditions of the Environmental Authorisation and the EMPr and submit Environmental Audit Reports to the Competent Authority. The Environmental Audit Reports must be prepared by an independent person and must contain all the information required in Appendix 7 of the NEMA EIA Regulations, 2014 (as amended).
 - 13.1. The holder must undertake an environmental audit within 6 (six) months of the commencement of the development/construction activities and submit an Environmental Audit Report to the Competent Authority upon the completion of the environmental audit.
 - 13.2. A final Environmental Audit Report must be submitted to the Competent Authority 1 (one) month after the completion of the development/construction activities. The Environmental Audit Report must report on the implementation of the biosecurity plan to be compiled.
 - 13.3. An Environmental Audit Report must be submitted to the Competent Authority every 5 (five) years after the commencement of the operational phase.
 - 13.4. The holder must, within 7 (seven) calendar days of the submission of an Environmental Audit Report to the Competent Authority, notify all potential and registered I&APs of the submission and make the Environmental Audit Report available to an authorised person on request.

Specific Conditions

14. Should any heritage remains be exposed during excavations or any other actions on the site, these must immediately be reported to the Provincial Heritage Resources Authority of the Western Cape, Heritage Western Cape. Heritage remains uncovered or disturbed during earthworks must not be further disturbed until the necessary approval has been obtained from Heritage Western Cape. Heritage remains include: meteorites, archaeological and/or palaeontological remains (including fossil shells and trace fossils); coins; indigenous and/or colonial ceramics; any articles of value or antiquity; marine shell heaps; stone artifacts and bone remains; structures and other built features with heritage significance; rock art and rock engravings; and/or graves or unmarked human burials including grave goods and/or associated burial material.

15. An integrated waste management approach, which is based on waste minimisation and incorporates reduction, recycling, re-use and disposal, where appropriate, must be employed. Any solid waste must be disposed of at a landfill licensed in terms of the applicable legislation.
16. The two drainage lines located on the western and southern boundaries of the proposed site on Farm No. 1449, Philippi must be appropriately demarcated prior to the commencement of development activities and must be treated as "no-go" areas.

F. GENERAL MATTERS

1. Notwithstanding this Environmental Authorisation, the holder must comply with any other statutory requirements that may be applicable when undertaking the listed activities.
2. Non-compliance with a condition of this Environmental Authorisation or EMPr may render the holder liable to criminal prosecution.
3. If the holder does not commence with the listed activities within the period referred to in Condition 2, this Environmental Authorisation shall lapse for those activities, and a new application for Environmental Authorisation must be submitted to the Competent Authority. If the holder wishes to extend the validity period of the Environmental Authorisation, an application for amendment in this regard must be made to the Competent Authority prior to the expiry date of the Environmental Authorisation.
4. The holder must submit an application for amendment of the Environmental Authorisation to the Competent Authority where any detail with respect to the Environmental Authorisation must be amended, added, substituted, corrected, removed or updated. If a new holder is proposed, an application for Amendment in terms of Part 1 of the NEMA EIA Regulations, 2014 (as amended) must be submitted.

Please note that an amendment is not required if there is a change in the contact details of the holder. In this case, the Competent Authority must only be notified of such changes.

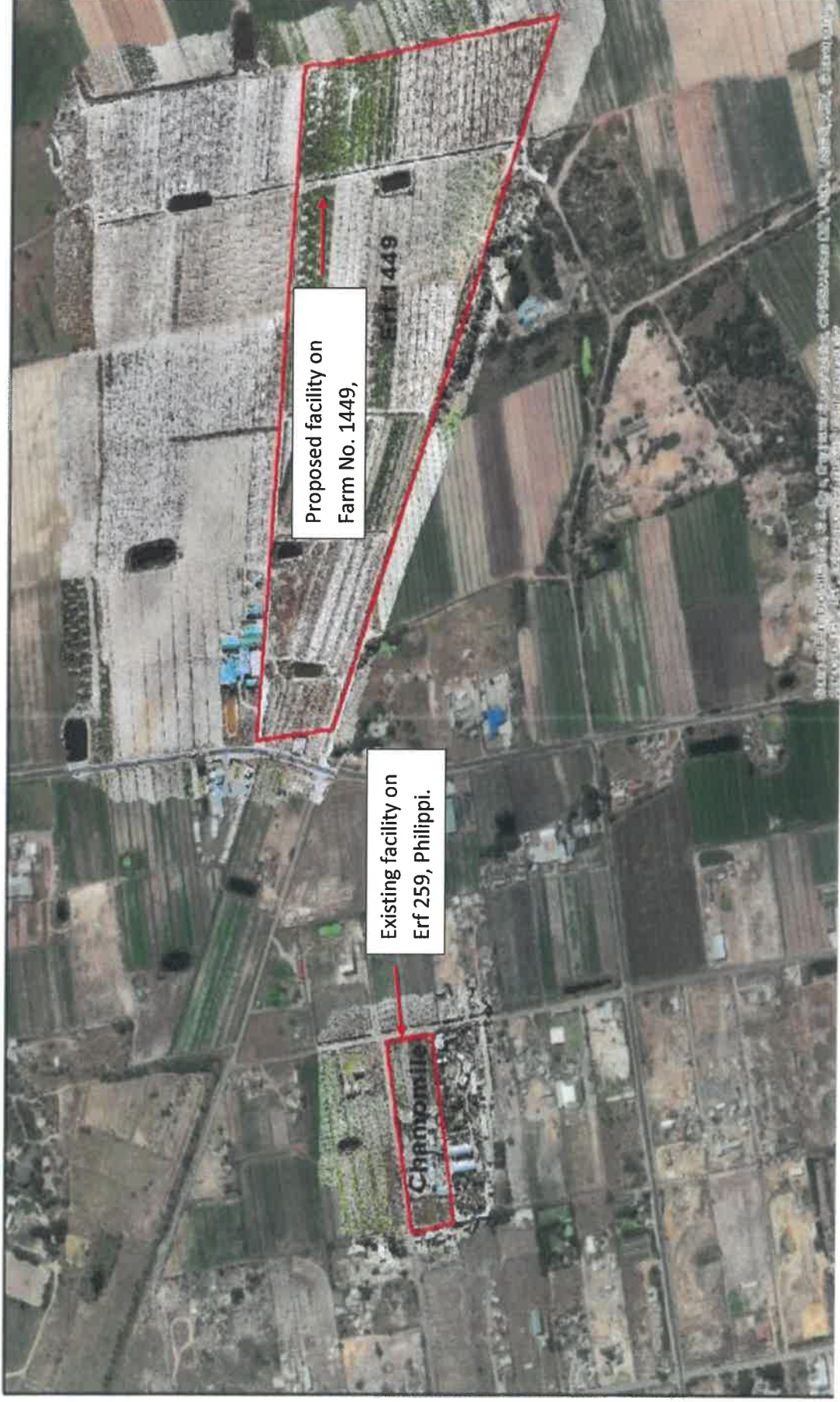
5. The manner and frequency for updating the EMPr is as follows:
Amendments to the EMPr must be done in accordance with Regulations 35 to 37 of the NEMA EIA Regulations, 2014 (as amended) or any relevant legislation that may be applicable at the time.

G. APPEALS

Appeals must comply with the provisions contained in the National Appeal Regulations, 2014 (as amended).

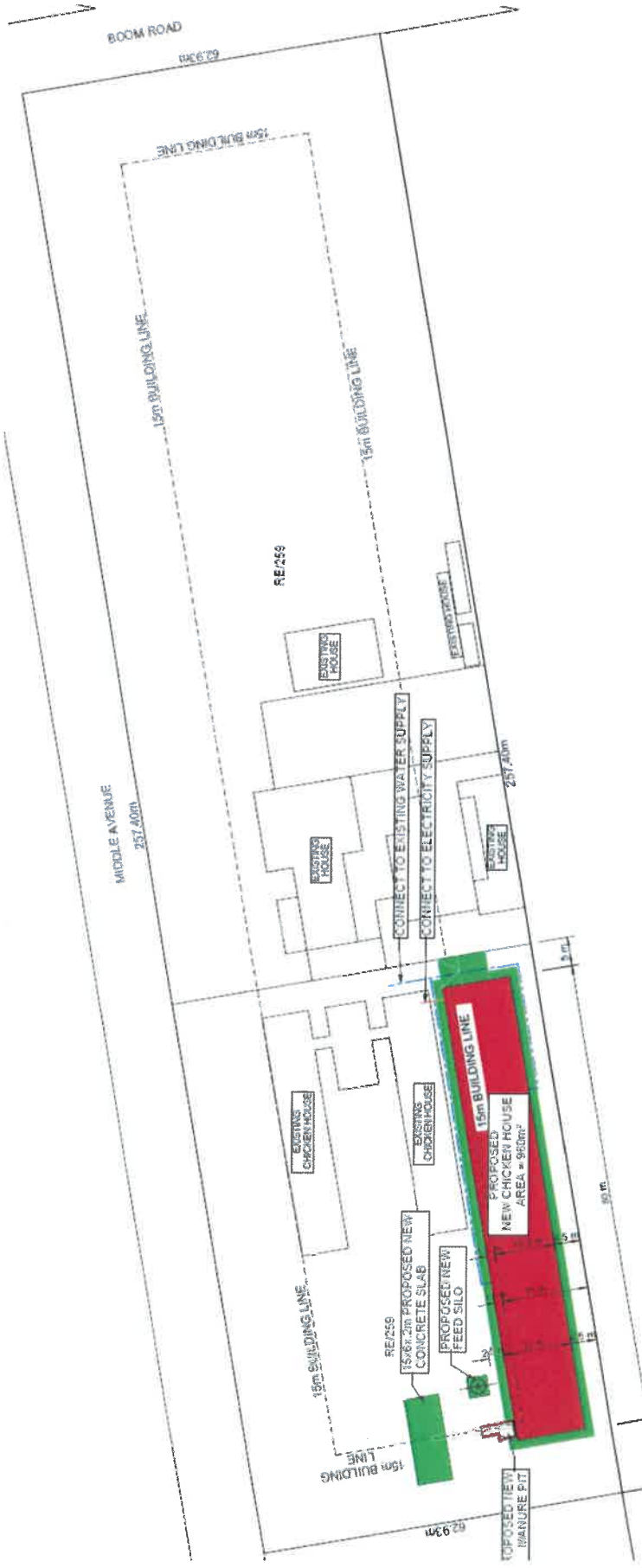
1. An appellant (if the holder of the decision) must, within 20 (twenty) calendar days from the date the notification of the decision was sent to the holder by the Competent Authority –
 - 1.1. Submit an appeal in accordance with Regulation 4 of the National Appeal Regulations, 2014 (as amended) to the Appeal Administrator; and
 - 1.2. Submit a copy of the appeal to any registered I&APs, any Organ of State with interest in the matter and the decision-maker i.e. the Competent Authority that issued the decision.
2. An appellant (if NOT the holder of the decision) must, within 20 (twenty) calendar days from the date the holder of the decision sent notification of the decision to the registered I&APs–

ANNEXURE 1: LOCALITY MAP

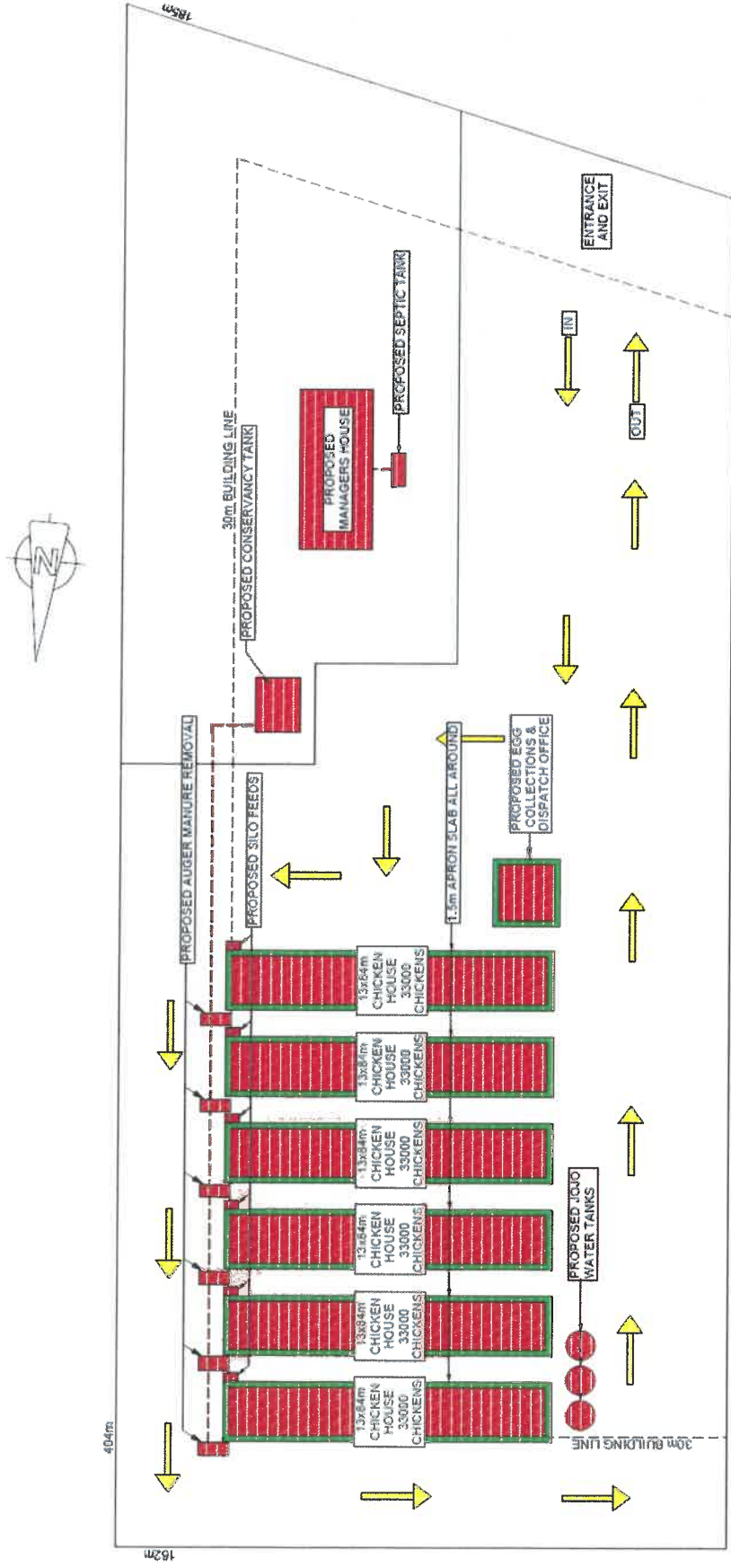


ANNEXURE 2: SITE PLAN

ERF 259, PHILIPPI



FARM NO. 1449, PHILIPPI



PROPOSED SITE DEVELOPMENT LAYOUT

ANNEXURE 3: REASONS FOR THE DECISION

In reaching its decision, the Competent Authority considered, *inter alia*, the following:

- a) The information contained in the Application Form dated 03 September 2019, the BAR received by the Competent Authority on 05 December 2019, the EMPr received by the Competent Authority on 05 December 2019 and the additional information received by the Competent Authority on 06 January 2020, 12 March 2020, 13 March 2020 and 24 March 2020;
- b) Relevant information contained in the Departmental information base, including the Guidelines on Public Participation, Alternatives and Need and Desirability (dated March 2013);
- c) The objectives and requirements of relevant legislation, policies and guidelines, including section 2 of the National Environmental Management Act, 1998 (Act No. 107 of 1998);
- d) The comments received from I&APs and responses to these, included in the BAR dated November 2019;
- e) The balancing of negative and positive impacts and proposed mitigation measures; and
- f) A site visit was conducted by officials of this Directorate on 11 February 2020.

All information presented to the Competent Authority was taken into account in the consideration of the application for Environmental Authorisation. A summary of the issues that were considered to be the most significant for the decision is set out below.

1. Public Participation

The public participation process included:

- identification of and engagement with I&APs;
- fixing a notice board on the site where the listed activities are to be undertaken on 04 November 2018;
- giving written notice to the owners and occupiers of land adjacent to the site where the listed activities are to be undertaken, the municipality and ward councillor, and the various organs of state having jurisdiction in respect of any aspect of the listed activities on 09 November 2018;
- the placing of a newspaper advertisement in the 'Southern Mail' on 14 November 2018; and
- making the BAR available to I&APs for public review from 26 September 2019 to 28 October 2019.

All the concerns raised by I&APs were responded to and adequately addressed during the public participation process. The Department is satisfied that the PPP that was followed met the minimum legal requirements and all the comments raised and responses thereto were included in the comments and response report. Specific management and mitigation measures have been considered in this Environmental Authorisation and in the EMPr to adequately address the concerns raised.

2. Alternatives

Given that Erf 259 is owned by the applicant, no site alternatives for the proposed expansion were investigated. Further, Farm No. 1449, Philippi is owned by the Department of Rural Development and Land Reform and is currently leased by the applicant for agricultural activities. Farm No. 1449, Philippi is divided into six blocks. Each block is currently used for agricultural activities. The sixth block (located on the eastern portion of Farm No. 1449, Philippi) was identified as the preferred location as the remaining five blocks are used for extensive agricultural activities.

Layout Alternatives on a portion of Farm No. 1449, Philippi were identified and investigated. Initially the six chicken egg laying houses were proposed to be located throughout the proposed site. However, this layout did not take cognisance of the two drainage lines that are located along the western and southern boundaries of the proposed site. The Preferred Alternative and the "no-go" alternative were therefore identified and assessed as part of the proposed development.

The Preferred Alternative (herewith authorised)

The Preferred Alternative entails the expansion of an existing chicken egg laying facility and associated infrastructure on Erf 259, Philippi and the development of a new chicken egg laying facility and associated on a portion of Farm No. 1449, Philippi.

- The expansion of the existing chicken egg laying facility on Erf 259, Philippi entails the following:

The retro-fitting of the two existing chicken egg laying houses to create an additional egg laying tier for an additional 27 000 egg laying chickens;

The development of one new chicken egg laying house to accommodate approximately 33 000 egg laying chickens. The development footprint of the new chicken egg laying house will be approximately 1200m² in extent.

The proposed expansion will result in an increase of approximately 60 000 chickens. The total number of egg laying chickens on Erf 259, Philippi will be approximately 70 000.

An existing borehole will be used to supply water for the washing of the chicken egg laying houses. Approximately 45m³ of water will be used for the washing of houses and for providing water to the chickens for drinking purposes. Houses are washed once per year once the egg-laying cycle has been completed. An existing conservancy tank with a capacity of approximately 15.5m³ will be used for the temporary storage of wash water generated by the proposed development. The wash water will be evacuated after every egg laying chicken house has been cleaned. Sufficient, spare and unallocated electricity supply is available for the proposed expansion.

Existing access to Erf 259, Philippi is off Middle Avenue, Philippi.

- The proposed development of a new chicken egg laying facility and associated infrastructure on a portion of Farm No. 1449, Philippi entails the following:

The development of approximately six new chicken egg laying houses to accommodate approximately 350 000 egg laying chickens. The development footprint of the new chicken egg laying houses will be approximately 6500m² in extent.

An existing borehole will be used to supply water for the washing of the chicken egg laying houses. Approximately 80m³ of water will be used for the washing of houses and for providing water to the chickens for drinking purposes. Houses are washed once per year once the egg-laying cycle has been completed. A conservancy tank with a capacity of approximately 15.5m³ will be installed for the temporary storage of wash water generated by the proposed development. The wash water will be evacuated after every egg laying chicken house has been cleaned. Sufficient, spare and unallocated electricity supply is available for the proposed expansion.

Existing access to Farm No. 1449 is off Boundary Road, Philippi.

Each chicken egg laying house will comprise of:

- Laying cage equipment;
- A water drinking system;
- A feeding system;

- An egg collection system;
- A manure removal system;
- A ventilation system; and
- Associated infrastructure.

The collection of eggs and manure will be automated using a conveyor belt system. Manure that is collected will be sold to neighbouring farms as fertiliser. Once the egg laying cycle is completed, the chickens will be sold and each house will be cleaned.

The Preferred Alternative takes cognisance of the two drainage lines located on Farm No. 1449, Philippi, which ensures that no structures are located within 32m of the drainage lines.

"No-Go" Alternative

The "No-Go" alternative would result in maintaining the "*status quo*". However, since the Preferred Alternative will not result in unacceptable environmental impacts, the "No-Go" alternative was not warranted.

3. Impact Assessment and Mitigation measures

3.1. Activity Need and Desirability

The proposed sites are zoned Agriculture in terms of the City of Cape Town's Municipal Planning Bylaw, 2015 and are currently used for agricultural purposes. The proposed development is in line with the relevant planning policies applicable to the area. Although some cultivated land will be lost, the proposed development will continue to contribute towards food security in the Western Cape. Further, some employment opportunities will become available as a result of the proposed development.

3.2. Botanical Impacts

Historically, Farm No. 1449, Philippi would have supported the Cape Flats Dune Strandveld vegetation type, which is an Endangered ecosystem in terms of the National Environmental Management: Biodiversity Act, 2004 (Act No. 10 of 2004) – National List of Ecosystems that are Threatened and in Need of Protection, 2011. However, Farm No. 1449, Philippi is transformed and no indigenous vegetation occurs on the proposed site. In addition, no indigenous vegetation is located on Erf 259, Philippi. The potential botanical impacts are therefore anticipated to be negligible.

3.3. Freshwater and Groundwater Impacts

A Freshwater Impact Assessment (compiled by Enviroswiff and dated 12 September 2018) was undertaken to determine the potential freshwater impacts associated with the proposed development. The specialist indicated that although the City of Cape Town's Biodiversity Network, 2017, indicates that wetlands have been mapped on Farm No. 1449, Philippi, no wetlands are located within the mapped areas. The specialist has, however, indicated that two drainage lines are located along the western and southern boundaries of the proposed site on Farm No. 1449, Philippi. Given that no infrastructure will be located within 32m of the drainage lines, the potential freshwater impacts will be of low significance post mitigation. Mitigation measures have been included in the EMPr.

Potential groundwater impacts may occur as a result of the proposed development. The development of a stormwater pond will attenuate runoff. Conservancy tanks will contain wash water and will be evacuated after each house is cleaned in order to reduce the potential groundwater impacts.

3.4. Potential Risks

Potential risks associated with the proposed development are anticipated during the operational phase of the development. Biosecurity measures have been included in the EMPr. The biosecurity measures aim to address, *inter alia*, disease control, vector control, the management and disposal of deceased chickens, access control in the chicken egg laying houses, the cleaning of the chicken egg laying houses and the packaging of eggs. A biosecurity plan will be compiled prior to the commencement of the operational phase.

3.5. Odour Impacts

The proposed development may result in potential odour impacts. Manure, that is collected from the conveyor belt, will be removed from the chicken egg laying houses every seven days and will be used as fertiliser or sold to neighbouring farmers. Wash water generated from the cleaning of the chicken egg laying houses will be evacuated after each house is cleaned. Mitigation measures have been included in the EMPr. The potential odour impacts are therefore anticipated to be of low negative to negligible significance post mitigation.

3.6. Services / Bulk Infrastructure

The City of Cape Town have confirmed (in their correspondence dated 20 February 2020) that sufficient, spare and unallocated electricity supply is available.

Water abstracted from existing boreholes will be used. Approximately 45m³ of water will be required on Erf 259, Philippi. The Department of Water and Sanitation confirmed (in their correspondence dated 10 February 2020) that the borehole located on Erf 259, Philippi allows for a volume of 600m³ of water to be abstracted per year. Approximately 80m³ of water will be required on Farm No. 1449, Philippi. A borehole, with a registration certificate issued by the then Department of Water Affairs and Forestry on 26 March 2003, is located on Farm No. 1449, Philippi. The registration certificate allows for the abstraction of approximately 128000m³ of water per year. The volume of water required for the proposed development is therefore available. The borehole water will be filtered to ensure the water quality is fit for consumption for the chickens. No municipal water will be used for cleaning purposes.

An existing conservancy tank with a capacity of approximately 15.5m³ is available on Erf 259, Philippi and a conservancy tank with a capacity of approximately 15.5m³ will be installed on Farm No. 1449, Philippi. Wastewater will be collected in a manure pit outside the chicken egg laying houses and will be pumped into the conservancy tanks. Each conservancy tank will be evacuated regularly by a suitable service provider.

3.7. Heritage Impacts

A Notice of Intent to Develop was submitted to Heritage Western Cape ("HWC"). HWC indicated (in their correspondence dated 09 May 2019) that the proposed development will not impact on heritage resources and no further action under Section 38 of the National Heritage Resources Act, 1999 (Act No. 25 of 1999) is required.

3.8. Noise Impacts

Potential noise impacts are anticipated during the development phase. However, given that the proposed development is located outside an urban area and that noise receptors are not located within close proximity to the proposed site, the potential noise impacts are anticipated to be of low negative significance. Mitigation measures have been included in the EMPr.

3.9. Dust and Visual Impacts

No significant dust and visual impacts are anticipated. Potential dust and visual impacts associated with the proposed development will be mitigated by the implementation of the mitigation measures included in the EMPr.

The development will result in both negative and positive impacts.

Negative Impacts include:

- Loss of some land used for cultivation;
- Potential odour impacts; and
- Potential biosecurity risk impacts.

Positive impacts include:

- The contribution towards food security in the Western Cape;
- Increased production of egg produce for the applicant; and
- Some employment opportunities.

4. National Environmental Management Act Principles

The National Environmental Management Principles (set out in section 2 of the NEMA, which apply to the actions of all organs of state, serve as guidelines by reference to which any organ of state must exercise any function when taking any decision, and which must guide the interpretation, administration and implementation of any other law concerned with the protection or management of the environment), *inter alia*, provides for:

- the effects of decisions on all aspects of the environment to be taken into account;
- the consideration, assessment and evaluation of the social, economic and environmental impacts of activities (disadvantages and benefits), and for decisions to be appropriate in the light of such consideration and assessment;
- the co-ordination and harmonisation of policies, legislation and actions relating to the environment;
- the resolving of actual or potential conflicts of interest between organs of state through conflict resolution procedures; and
- the selection of the best practicable environmental option.

5. Conclusion

In view of the above, the NEMA principles, compliance with the conditions stipulated in this Environmental Authorisation, and compliance with the EMPr, the Competent Authority is satisfied that the proposed listed activities will not conflict with the general objectives of integrated environmental management stipulated in Chapter 5 of the National Environmental Management Act, 1998 (Act No. 107 of 1998) and that any potentially detrimental environmental impacts resulting from the listed activities can be mitigated to acceptable levels.

You are reminded of your general duty of care towards the environment in terms of Section 28(1) of the NEMA which states: "Every person who causes, has caused or may cause significant pollution or degradation of the environment must take reasonable measures to prevent such pollution or degradation from occurring, continuing or recurring, or, in so far as such harm to the environment is authorised by law or cannot reasonably be avoided or stopped, to minimise and rectify such pollution or degradation of the environment."

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