

Bio-security recommendations

for

EB SCHULENBURG CC

Prepared by:

Bucandi Environmental Solutions



Project Manager: H len Prinsloo (*Pr.Sci.Nat.*) Reg. No. 400108/11 (SACNASP)

August 2021

---

## **1. DETAILED DESCRIPTION OF PROPOSED PROJECT**

EB Schulenburg CC is construction of 8 poultry houses on Portion 9 & 10 of Farm Hakboslaagte 77 IP, situated in Lichtenburg District within Ditsobotla Local Municipality area. The proposed project triggers a Basic Assessment for certain listed activities under Listing 1 of NEMA (National Environmental Management Act, 1998). Bucandi Environmental Solutions (Bucandi) was requested by EB Schulenburg CC to conduct a Basic Assessment as part of the application for environmental authorisation.

The activity will entail the construction of 8 environmentally controlled chicken broiler houses (135m x 15m each). Each house will have the capacity for 45 000 broilers. The entire site will be able to house up to 360 000 broiler chicks. The farm boundary is 129.47ha and the development site boundary is 59 661.59m<sup>2</sup>.

The project will entail the following:

- Earthworks and clearing of vegetation (agricultural lands) on the site for 8 poultry houses.
- Construction of 8 environmentally controlled chicken houses (135m x 15m) with capacity for 45 000 birds per house, totalling approximately 360 000 birds.
- A silo and water tank will be erected next to each house.
- Powerlines will be connected to each house from the current Eskom point.
- Pipelines will be connected to each house from the borehole at the existing farm infrastructure.

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

## **2. OBJECTIVES OF BIO-SECURITY CONTROL**

- a) To prevent diseases not occurring on the farm from entering the farm and those occurring on the farm from spreading to other farms, e.g. diseases such as avian influenza and Newcastle disease, etc.
- b) To reduce the risk of zoonotic diseases such as salmonella becoming established and to limit the occurrence and spread of diseases.
- c) To help protect neighbours, public health and the rural areas.
- d) To improve overall flock health, cut costs of disease treatment and reduce losses, which could improve the profitability of the farm.

## **3. MEASURES TO BE IMPLEMENTED FOR BIO-SECURITY CONTROL**

- a) Strictly limit and control access to poultry flocks.
  - b) Have pressure washers, brushes, water and an approved disinfectant available.
  - c) Clean and disinfect all vehicles thoroughly after each journey.
  - d) Regularly clean and disinfect all crates, containers and other equipment before and after use.
  - e) Keep farm access routes, parking areas, yards, areas around buildings and storage areas clean and tidy and well maintained.
  - f) Allow for appropriate stocking density and avoid overcrowding. It is advisable to place between 15-20 birds per square metre in closed houses and between 10-14 birds per square metre in open-sided houses to avoid overcrowding and spread of infections.
  - g) Houses should preferably face east.
  - h) Houses should be designed to protect the chickens against rodents, wild birds and adverse weather (rain).
-

- i) Contact with domestic birds should be avoided.
  - j) The poultry houses should be secured to prevent stock theft.
  - k) Chickens should be vaccinated using one of the following methods:
    - Eye-drop method
    - Spray method
    - Drinking water method
    - Needle through the wing-web method
    - Injection method.
-