

Recommendations for Odour Management

for

EB SCHULENBURG CC

Prepared by:

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## **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. THE SITE WILL BE FENCED OFF WITH A 1.8M HIGH ELECTRIC FENCE.OBJECTIVES OF ODOUR CONTROL**

a) To prevent or minimize ambient air pollution as a result of odour emissions.

## **3. ODOUR CONTROL MANAGEMENT MEASURES**

a) The houses are closed and environmentally controlled to reduce the amount of ammonia, dust and unpleasant odour released into the environment.

b) Houses are washed after each cycle after the removal of manure and carcasses. The houses are washed using a high pressure (16bar) sprayer, minimising the amount of water used. Equipment is not washed with water, but rather using a foam sanitizer (F29) which is applied as dry foam and allowed to evaporate.

c) Any mortalities are to be removed on a daily basis and collected by a contractor.

d) The manure will be removed on a regular basis and used on surrounding agricultural fields and will be collected by a contractor.

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