

Waste Management Plan

for

VAL GRAIN CO (PTY) LTD

GROOTPAN

Prepared by:

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

Val Grain Co is proposing the construction of 12 environmentally controlled poultry houses with the capacity for 50 000 chickens per house on Portion 3 of the farm Grootpan 591 IR situated near Val within Lekwa Local Municipality area.

## **2. OBJECTIVES OF WASTE MANAGEMENT**

Construction phase

- a) To prevent or minimise the contamination of the natural environment by pollutants from waste generated onsite.
- b) To prevent or minimise the contamination of the natural environment by pollutants from general and hazardous waste generated onsite.

Operational phase

- a) To prevent or minimise the impact of pathogens associated with condemned material.
- b) To prevent or minimise the contamination of the natural environment by wastewater generated throughout the process.
- c) To prevent or minimise the contamination of the natural environment by pollutants from hazardous production waste generated onsite.
- d) To prevent or minimise the contamination of the natural environment by pollutants from waste generated onsite.

## **3. MEASURES TO BE IMPLEMENTED FOR WASTE CONTROL**

Construction phase

- a) Waste will be recycled as far as possible.
- b) Non-recyclable waste will be sorted into different types and disposed of at a suitably licensed waste disposal facility.
- c) Waste considered unsuitable for municipal waste disposal sites will be disposed of at a suitably licensed hazardous waste disposal facility (e.g. WasteTech).

Operational phase

- a) Waste will be recycled as far as possible.
  - b) Non-recyclable waste will be sorted into different types and disposed of at a suitably licensed waste disposal facility.
  - c) Waste considered unsuitable for municipal waste disposal sites will be disposed of at a suitably licensed hazardous waste disposal facility (e.g. WasteTech).
  - d) Manure will be removed after each cycle and used on the applicant's agricultural fields as fertilizer.
  - e) Mortalities will be removed from the poultry houses on a daily basis and stored in a freezer. It will be collected by a contractor.
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#### 4. IMPACT SPECIFIC MITIGATION

#### 5. N MEASURES RELATED TO WASTE MANAGEMENT

Specific impact or risk	Mitigation measures
Contamination of soils, surface water and groundwater due to leakages from vehicles entering and exiting the site.	Machinery must be properly maintained at all times. Servicing of machinery must take place only in specific demarcated and protected areas. Measures must be taken for the proper disposal of oils, grease, oil filters, rags, etc.
Pollution of soil, surface water and groundwater due to ineffective management of sewage and general waste management.	Proper ablution facilities must be provided i.e. chemical toilets at appropriate locations on site if necessary or existing facilities must be used. Workers must be made aware of the risk of soil water contamination. Domestic waste must be disposed of in appropriate containers, and removed to the nearest municipal waste-disposal site as part of existing waste management system.
Pollution of soil, surface water and groundwater due to ineffective manure disposal.	After the completion of each cycle, all chickens are caught and the manure and litter are then scooped up using a bobcat. The manure is loaded onto a closed truck and taken to agricultural fields, owned by the applicant, where it is used as fertiliser.
Pollution of soil, surface water and groundwater due to ineffective disposal of mortalities.	The mortalities are removed on a daily basis and collected by ZuluCroc to be used as food for crocodiles and other reptiles.