



A. Ali
Poultry

PROJECT SUMMARY

Name of Developer: Ahmad Ali

Developer's Address: Lot 2, North Section Canal No. 2 Polder, West Bank Demerara

Contact Details: +592 697-2784

Business Name: A. Ali Poultry

Project Location: Lot 2, North Section Canal No. 2 Polder, West Bank Demerara

Project Type: Poultry Farm

Project Duration:

Project Location and Description

The poultry farm is located at Lot 2, North Section Canal No. 2 Polder, West Bank Demerara and can be accessed via the Canal No. 2 Polder Public Road West Bank Demerara. The project site (pens) is situated on 4 acres (measuring approximately 1352 m X 15 m (20,280m²) in size) of land owned by the developer's mother.

The surroundings of the operation are mixed in nature. South of the pens is the developer's home and the Canal No.2 Polder public road. East of the property are residential dwellings approximately 24.49 m away from the pens, West of the property is a canal 4.68 m from the pens, an access dam and residential dwellings approximately 24.50 m and 41.17 m. Please refer to figures 1 and 2 to view the location of the facility and the surrounding land uses.

A. ALI POULTRY



Figure 1: Map showing location of facility



Figure 2: Map showing surrounding land uses.

General Information

Pens are already constructed and the developer in operation. There are two (2) poultry pens. The larger of the two is approximately 50ft X 25ft in size (situated about 6m away from the smaller pen, behind the developer's home) belonging to the developer and the smaller pen is approximately 16ft X 10ft in size (situated approximately 3m behind the developer's house), which belonged to the developer's mother.

Water will be provided from GWI which will be utilised to clean the pens and feed the livestock. No staff will be working on the facility as the developer related that he cannot afford a labour force and the operation is fairly small. Instead the operation is run by himself and he is able to provide for his from the financial profit of the operation.

Operation

The **operation process** of the facility is as follows:

1. The chicks are bought from a local Hatchery (Stockfeeds Ltd.) at one (1) day old, already vaccinated then transported to his farm using his canter
2. The birds are placed in a compartment of the pens that allows for successful brooding.
3. During the brooding phase the birds are fed chicken starter, which is sourced from Bounty Farm Ltd. and Stockfeeds Ltd.
4. Brooding takes approximately 15 days before the birds are transferred to a larger compartment of the pens, where they are reared until the end of the growth cycle.
5. At 6 weeks the birds are taken out of the pen to be sold live.
6. After the birds are removed from the pens, all the litter (bedding) is shovel or spaded up and placed into 20kg bags (feed bags are recycle/reused). The bedding is given to cash crop farmers who utilised same as manure (fertiliser);
7. The pens are then swept, and fine dust particles removed with an air blower, washed with jeyes fluid, bleach and sprayed with disinfectant and formalin;
8. The pens are allowed to rest for 2 weeks before more birds are bought for another cycle.

Potential Environmental Impacts and Mitigation Measures

Potential Environmental Impacts	Proposed Mitigation Measures
<p>Odour Nuisance: Odour nuisance from the facility could be emitted from the improper management of wastes, the improper cleaning of the facility. If solid waste generated onsite is not adequately stored and disposed of in a timely manner, the potential exists for odour nuisances.</p>	<p>To mitigate this impact, the facility will be cleaned daily, before and after production with bleach. Additionally, wastes will be properly managed as outlined in the waste management section below.</p>
<p>Water Pollution: The potential exists for the pollution of surface water from the disposal of solid waste directly into surrounding water ways. Additionally, the disposal of large quantities of untreated effluent, especially, into surrounding waterways.</p>	<p>To mitigate this impact, it is expected that the developer implements an adequate effluent treatment system to better treat the wastewater being released by the facility.</p>
<p>Dust Nuisances: There is potential for emanation of dust and particles during the cleaning process of pens since the developer related that he uses an air blower after shoveling up and sweeping to get rid of residual dust particles that are hard to pick up.</p>	

Waste Management

Solid waste management: Solid waste generated will be placed into receptacles which are disposed of by a private garbage disposal company (Purans Brothers).

Organic Waste: Organic waste from the poultry such as manure will be given to cash crop farmers, and dead birds will be given to pig farmer and also cooked for dog food.

Municipal Waste: Municipal waste from the facility is discharged into the septic tank. The septic tank is accessible for cleaning and will be emptied when full by a solid waste disposal service.

Effluent: The principle effluent stream generated will be waste water generated from cleaning and maintenance of pens and storm water discharged from impervious surfaces and drains.