

**NAME OF PROJECT: REARING OF POULTRY**

**NAME OF DEVELOPER: NEIL MARKS**

**CONTACT DETAILS: Mobile (650-6168) or email ([thestarneil@gmail.com](mailto:thestarneil@gmail.com))**

**PREPARED BY: NEIL MARKS**

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## **Description of Site**

The Lot is situated at Lot 16 New Anglet, Canal No.2 Polder, West Bank Demerara.

The plot has a dwelling house and over a mile of farmland behind.

## **Project Design**

The project is for the rearing of poultry only.

The initial stage involves the clearing of vegetation, digging drains and preparing a sand and loam tract.

The other stage involves the construction of 3 poultry pens, the size of which is detailed in the plan that accompanies this summary.

Water use will be from nearby canals and GWI as needed.

The source of electricity will be GPL.

## **Project Size**

The project entails, initially, the construction of three (3) poultry pens. Each pen will measure 32' by 40'.

The Capital Investment, that is for the clearing of land and building of pens is estimated at G\$6 million.

Land preparation and development of tract is expected to take one month. Construction of pens will take one month.

## **Summary**

The intended project will be established on a plot of land zoned for residential/ agricultural purposes located at lot 16 New Aanlegt Canal NO.2 Polder, West Bank

Demerara (fig 1). The total land area to be occupied by the project is approximately 892 M<sup>2</sup>(9600 ft <sup>2</sup>) and entails the following:

**Construction phase:**

- The construction of three (3) single-storied poultry rearing houses, each with a dimension 15.7 m x 11.8m (1280 ft<sup>2</sup>).
- The frames of the pens would be constructed wood and concrete, and enclosed to the sides with chicken mesh. The base of the pens with be constructed of concrete.
- An access pathway constructed of earthen materials will be created to adjoin the southern access route to project site. The construction phase of project is expect to completed with 30 day of commence.

**Operation phase:**

- Immediately following the construction phase, the developer intends to commence the operation phase of project. This stage entail the rearing of broiler birds on a 6-8 week batch system. A total of 3000-3500 birds will be reared per batch.
- All bird harvested will be sold live to potential buyers. No processing of birds will be conducted onsite.
- After the completion of each batch of birds, pens will be cleaned and disinfected and rested for approximately 14 days before restocking with fresh bedding materials in preparation for new batch of birds.

**Potential Effects & Mitigation plan**

Potential Negative environmental impact	Source	Mitigation Plan
<b>Odour nuisance</b>	<ul style="list-style-type: none"> <li>• Improper management of bedding materials during growing cycle of birds</li> <li>• Improper storage of litter onsite after removal from pens</li> <li>• Improper disposal of carcasses onsite</li> <li>• Improper management of compost heaps</li> </ul>	<ul style="list-style-type: none"> <li>• During the growing cycle of birds, bedding materials will be kept as dry as practicable; by turning at least once weekly. Spots in pens that becomes excessively wet will be removed and replace with fresh bedding materials.</li> </ul>

		<ul style="list-style-type: none"> <li>• All litter removed from pen will be placed in compost heaps for recycling</li> <li>• Compost heaps will be managed in such a manner as to minimize the attraction of stray animals &amp; flies</li> <li>• If litter is stored on site it will be stored in an area that is free of moisture.</li> <li>• A setback distance of 500 feet will be maintained</li> </ul>
Contamination of surface water	<ul style="list-style-type: none"> <li>• Discharge of untreated effluent from the cleaning of pens.</li> <li>• Runoff from compost heaps</li> </ul>	<ul style="list-style-type: none"> <li>• Minimal volume of water will be utilized during cleaning and disinfection process. environmental friendly cleaning products will be utilized</li> <li>• Compost heaps will be covered and appropriately managed to minimized run-offs</li> </ul>
The emission of noise and dust to the environment	<ul style="list-style-type: none"> <li>• During the construction phase principally</li> </ul>	<ul style="list-style-type: none"> <li>• Precautionary measures will be put in place to minimize the emission of dust &amp; noise during the construction phase. Construction works will only take place during the day time hours 6 am -6 pm</li> </ul>