



**Environmental  
Protection  
Agency**

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## **Environmental Permit**

(Issued under the Environmental Protection Act, Cap. 20:05 Laws of Guyana, the Environmental Protection (Amendment) Act, 2005, and the Environmental Protection (Authorisations) Regulations, 2000.)

<b>Reference No.:</b>	<b>20210316 - HRRLB</b>
<b>Fees:</b>	<b>Small (C1) - US \$500 Five (5) years (i.e., US \$ 100 per year)</b>
<b>Total Fees Paid</b>	<b>US\$ 500 (July, 2022 to June, 2027)</b>
<b>Addressee:</b>	<b>Harrynarine Ramanand</b> H & S Poultry Farm Lot 1665, Block V, Herstelling, East Bank Demerara
<b>Activity:</b>	<b>Poultry Rearing (Broilers &amp; Layers) Operation</b>

Mr. Harrynarine Ramanand, operating under the trade name "H & S Poultry Farm" hereinafter referred to as the "Permit Holder", is hereby authorised, in accordance with the Environmental Protection Act, Cap. 20:05, Laws of Guyana, the Environmental Protection (Amendment) Act, 2005, and the Environmental Protection (Authorisations) Regulations, 2000, to undertake Poultry Rearing (Broilers & Layers) at Block 2, Section B, Yarrowkabra, Agricultural Area, Eastern Side of Soesdyke Linden Highway, hereinafter referred to as the "Project", in a manner indicated in the Application for Environmental Authorisation submitted on March 16, 2021 and subject to the terms and conditions set forth herein and in any existing or forthcoming regulations, made under the said Environmental Protection Act and/or any other applicable laws, best practices, guidelines and standards relevant to this project.

**Terms and Conditions for Operation to be adhered to by the Permit Holder, His Servants, Agents and/or Sub-Contractors:**

### **1.0 OPERATION**

- 1.1 Make an application to the Agency to vary this Environmental Permit in instances where it becomes necessary to:
- (a) change the construction, operation, structure, or layout of the facility and all associated buildings;
  - (b) Change equipment, machine, apparatus, mechanism, system or technology serving the facility;

- (c) Change the position and design of any outlet at the point or points of discharge of effluents; or effect any other change outlined in Regulation 20(3) of the Environmental Protection (Authorisations) Regulations.
- 1.2 A first aid kit equipped according to the Guyana Red Cross standard must be located on site.
- 1.3 Communication and transportation systems should be in place to effectively respond in cases of emergencies.
- 1.4 At all times, the operation of facility should be done in a manner that result in minimal impacts to public health and safety and the environment.
- 1.5 Processing of poultry onsite is **strictly prohibited**.
- 1.6 Utilise the land in accordance with the plan submitted to the Agency. All specifications of buildings' locations, pathways, reserves and boundary lines must be adhered to, unless otherwise approved by the EPA.
- 1.7 The operation should be located on land that is adequately built up to minimize flooding and ease of drainage.

## **2.0 POULTRY REARING FACILITY**

### **• General**

- 2.1 A foot bath containing a disinfectant must be maintained at the entrance of each poultry house and its use must be mandatory before entry. Refresh the disinfectants regularly. Unauthorized persons should be prohibited from entering pens.
- 2.2 Feeders and waterers **must** be in good working order at all times.
- 2.3 The base of pens must be constructed of an impervious material such as concrete.
- 2.4 Poultry bedding materials must be kept as dry as practicable during the growing cycle of birds this can be accomplished by periodically turning materials or the addition on new materials, especially in areas prone to excessive wetting such as around waterers.
- 2.5 A designated and secure area must be selected for the storage of poultry feed. The area selected must provide adequate protection from moisture, rodents and/ or other storage pest.

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2.6 Bedding materials should be changed after the rearing of each batch of birds is completed (both broilers and layers). Where deep litter systems are employed, this condition may not be applicable.

2.6.1 The necessary systems for the adequate brooding of birds must be in place, in an effort to minimize mortalities

2.7 Always take a record of relevant information such as feed, water, drug, mortality and stock balance.

2.8 Inferior, sick, crippled, injured and deformed birds should be removed from the flock daily (culling).

**2.9 Dead birds must be immediately removed from pens and disposed of by burial at the designated location identified off-site of facility**

- **Broilers**

2.10 Birds must be reared in an "all-in all-out system".

2.11 Upon the completion of each batch of birds, the pens should be cleaned and disinfected before the commencement of another batch. Litter should be removed by scraping instead of flushing with water. Where deep litter systems are employed, this condition may not be applicable.

- **Layers**

2.12 Employ a qualified veterinarian to:

- Vaccinate the birds following the standard vaccination schedule for layers and the overall management of bird health.
- Administer anthelmintic drugs to control internal and external parasitic or worm infestations.

2.13 Nests boxes lined with appropriate nesting materials should be placed in pens one week prior to "first egg".

2.14 All birds considered to be unfit to laying should be removed from flock.

2.15 Cockerels should be separated from the flock as soon as possible and reared separately.

### **3.0 EMPLOYEES AND OCCUPATIONAL HEALTH AND SAFETY**

- 3.1 All employees must be equipped with and trained in the use of Personal Protective Equipment according to their job specifications. PPEs used must be certified for use in Guyana by the Guyana National Bureau of Standards (GNBS). Such PPEs include, but not limited to:
- (a) Respirators (fit tested) and dust mask
  - (b) Gloves
  - (c) Coveralls
  - (d) Goggles
  - (e) Long boots
- 3.2 Provide areas for employees to wash off hands and skin, before leaving the project site
- 3.3 Good hygienic practices should be employed at all times to minimise disease contraction when handling birds.

### **4.0 WASTE MANAGEMENT AND AESTHETICS**

- 4.1 Comply the provisions of the **Environmental Protection (Litter Enforcement) Regulations, 2013.**
- 4.2 Ensure effective management of recoverable materials and that all waste generated by the project, in accordance with s. 19(1), (2) and (3) of the Environmental Protection Act, Cap. 20:05, Laws of Guyana.
- 4.3 Good house-keeping, sanitary and hygienic practices must be maintained at project site at all times.
- 4.4 Covered garbage receptacles must be placed at strategic locations around project site.
- 4.5 The open burning of solid waste on-site is strictly **prohibited.**
- **Used Poultry Litter /Bedding**
- 4.6 Poultry litter collected from pens must be stored in a designated area that is protected from – moisture, rodents and other pest.
- 4.7 Options for the treatment of manure onsite includes, but not limited to the following:

#### **a. Drying**

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- Used litter can be taken out of the storage area and dried out in the open air on hot/sunny days minimize the emissions of mal odours.
- Thin bed drying should be employed to prevent the breeding of flies, reduce obnoxious odours and maintain the nutrient value of the manure particles.

**b. Heaping**

- Poultry waste can be deep stacked to produce considerable heat and destroy coliforms. The maximum temperature was reportedly attained in 4-8 days.
- Litter can be collected and re-bagged after, treatment.

**c. Composting**

- Manure can be composted in conjunction with other waste materials.

**5.0 WATER QUALITY MANAGEMENT**

- 5.1 Comply with the provisions of the **Environmental Protection (Water Quality) Regulations, 2000.**
- 5.2 The disposal of solid wastes into surrounding waterways is strictly **prohibited**.
- 5.3 All effluent generated during the cleaning and disinfection of pens must be directed to a soak- away system for treatment before final discharge to the environment.
- 5.4 Ensure that wherever possible water conservation is promoted by restricting wastage and recycling or re-using water where practical.

**6.0 NOISE AND AIR QUALITY MANAGEMENT**

- 6.1 Comply with the provisions of the **Environmental Protection (Air Quality) Regulations 2000 and the Environmental Protection (Noise Management) Regulations, 2000.**
- 6.2 Comply with the Guyana National Bureau of Standards (GNBS) Guidelines for noise emission into the environment, not exceeding the limits below at a distance of 15 m (50 ft) from the source or property boundary, whichever is closer.

**Industrial Limits:**

- (a) **100 dB** (Day-time (06:00 h -18:00 h)) and
- (b) **80 dB** (Night-time (18:00 – 06:00 h))

- 6.3 Employ reasonable and practical measures to minimize the release mal-odours,



excessive dust and gaseous emissions, such as, ammonia to the environment, at all times.

## **7.0 COMPLIANCE MONITORING AND REPORTING**

- 7.1 Comply with any lawful directions given by the EPA from time-to-time in furtherance of the implementation of any international or other obligation for the environmental protection of Guyana.
- 7.2 Monitor the implementation of the conditions of this Environmental Permit (Renewed), insofar as they involve adherence by your employees and all third parties under your direction.
- 7.3 Submit to the EPA, the **Environmental Annual Reports** on the status of the project, progress of the implementation of the monitoring activities and compliance with the conditions contained herein by **March 31** every year (Please see attached, the *Guidelines for the preparation of Environmental Annual Reports*).
- 7.4 Conform to all terms and conditions under which this Environmental Permit (Renewed) is granted and shall be liable for any loss or damage which arises from the project as a result of the Permit Holder's activities or breach of any term or condition of this Permit.
- 7.5 Inform the Agency prior to or **within thirty (30) days** of any change of name or ownership of the operation.
- 7.6 Notify the Agency **within twenty-one (21) days** in event of death, bankruptcy, liquidation or receivership of the Permit Holder or if the Company becomes a party to an amalgamation.
- 7.7 Notify the EPA **within one (1) hour** of the occurrence of any environmental emergencies such as a sudden onset disaster, accident, natural, technological or human induced factors that cause or threaten to cause severe environmental damage as well as harm to human health or livelihood.
- 7.8 Report to the Agency any non-compliance(s) with this Environmental Permit within **twenty-four (24) hours** of the time the Holder of the Environmental Permit becomes aware of the non-compliance outlining the anticipated manner in which human health or the environment may be impacted.
- 7.9 Within **seventy-two (72) hours** of the time the Holder of the Environmental Permit becomes aware of the non-compliance, submit to the Agency a written report containing a description of the non-compliance, its cause, the period of

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non-compliance including exact dates and time and the anticipated time it is expected to continue if the non-compliance(s) has not been corrected.

## **8.0 INSTITUTIONAL AUTHORITY/LIABILITIES**

- 8.1 The EPA reserves the right to conduct regular inspections of the Permit Holder's operation as part of its monitoring and enforcement requirements under the Environmental Protection Act, Cap. 20:05, Laws of Guyana and its regulations.
- 8.2 The EPA reserves the right to review and/or amend the conditions and fees attached to this Permit, which also includes the review and/or amendment of Permit Fees in consideration of any changes in fee structure as determined by the Agency for projects of this nature.
- 8.3 The EPA shall have the right to cancel or suspend this Permit for breach of any of the terms and conditions contained herein.
- 8.4 The Permit Holder shall, at all times, allow entry to the Permitted facility to any Officer designated by the EPA for the purposes of conducting inspections or any other legitimate business of the Agency.
- 8.5 The Permit Holders, his Servants, Agents and/or Sub-Contractors while executing the activities attributable to the project shall:
  - (a) Be liable for any material environmental harm caused by polluting the environment, pursuant to s. 39 of the Environmental Protection Act, Cap. 20:05, Laws of Guyana;
  - (b) Be liable for any serious environmental harm caused by polluting the environment, pursuant to s. 39 of the Environmental Protection Act, Cap. 20:05, Laws of Guyana;
  - (c) be liable for discharging, causing or permitting the entry into the environment, of any contaminant in any amount, concentration or level excess of that prescribed by the regulations or stipulated by this Environmental Permit, pursuant to s. 19 of the Environmental Protection Act, Cap. 20:05, Laws of Guyana;
  - (d) Be liable to compensate any person who suffers any loss or damage as a result of contravening condition 8.5 (c) of this Environmental Permit, pursuant to s. 19 of the Environmental Protection Act, Cap. 20:05, Laws of Guyana;
  - (e) not be indemnified by the Agency for any activity that causes or is likely to cause pollution to the environment, resulting from adverse effects through

the discharge, any contaminant in any amount, concentration, ultra-hazardous substances, chemicals or otherwise, and shall be rendered liable to prosecution and to penalties prescribed under the Environmental Protection Act and Regulations;

(f) be liable for any gross negligence or willful misconduct caused by the Permit Holder, his Servants and/or Agents, to the environment, biodiversity, protected species and natural habitat with respect to any release, discharge, or spill, of contaminant fluids, oil or lubricants; and

(g) be liable for the cost of any independent investigation into any discharge caused.

8.6 Should the Permit Holder contravene or be likely to contravene any condition of this Permit, the Agency (EPA) may serve on him an Enforcement Notice in accordance with Section 26 of the Environmental Protection Act, Cap. 20:05, Laws of Guyana.

8.7 Where it appears to the Agency that the Permit Holder is engaged in any activity that may pose a serious threat to natural resources or the environment, or a risk of serious pollution of the environment or any damage to public health, the EPA may issue to the Permit Holder a Prohibition Notice, which may order him to immediately cease the offending activity, in accordance with Section 27 of the Environmental Protection Act, Cap. 20:05, Laws of Guyana.

8.8 All relevant permissions must be obtained and maintained from other regulatory bodies for continued operation.

8.9 All relevant permissions, approvals and supporting documentations must be obtained from other regulatory bodies for continued operation, and subsequently maintained.

8.10 This Environmental Permit is effective for the period stipulated herein **July, 2022 to June, 2027**. This Environmental Permit shall remain valid until **June 30, 2027**, unless otherwise modified, varied, suspended or cancelled in accordance with the provisions of this Permit or the Environmental Protection Act, Cap. 20:05, Laws of Guyana and its regulations including the Environmental Protection (Authorisations) Regulations, 2000.

8.11 This Permit must be renewed by submitting a completed *Application Form for Renewal of Environmental Authorisation to the Agency* at least six months before this Permit expires, that is, no later than **December 31, 2026**.

8.12 Any submission of renewal application after the specified date as stated above, the Agency may require the Permit Holder to pay, in addition to renewal fee, a late



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penalty fee (accruing at the time such obligation was first owed for renewal) at a rate of **two thousand dollars (GY\$2000.00) per business day** for every day late, until such renewal application is submitted to the Agency, without prejudice to any other rights of the Permit Holder in connection therewith.

- 8.13 Failure to comply with the requirements of this Permit shall render the Permit Holder liable to prosecution and to civil penalties and/or injunctive reliefs prescribed under the Environmental Protection Act, Cap. 20:05, Laws of Guyana and its regulations, including under any existing and forthcoming regulations made under the said Act or any other applicable Laws of Guyana.

Signed by *Shamirah Lopez* on behalf of the Environmental Protection Agency.

**Kemraj Parsram**  
Executive Director

Date 2022.07.20

I hereby accept the above Terms and Conditions upon which this Environmental Permit (Renewed) is granted and agree to abide by the Environmental Protection Act, Cap.20:05, Laws of Guyana, the Environmental Protection (Amendment) Act, 2005, the Environmental Protection Regulations, 2000, and any forthcoming regulations, guidelines, best practices and standards made under this Act and relevant to this project.

NAME	<i>HARRY NARAYAN LAMMUN</i>
DESIGNATION	<i>Owner</i>
SIGNATURE	<i>[Signature]</i>
DATE	<i>18-10-22</i>



