



**Environmental
Protection
Agency**

Ganges Street, Sophia,
Georgetown, GUYANA
Tel. : (592) 225-5467 / 5468 / 5469
Fax: (592) 225-5481
Website:
[http:// www.epaguyana.org](http://www.epaguyana.org)
Email: epa@epaguyana.org

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.

Reference No.:	20011102-EDUNP
Fees:	Medium (C2) - US\$4,000 (5 years) i.e., US \$800 per year
Fees Paid:	US\$4,000 (November 2024 to October, 2029)

Addressee(s): Mr. Saeed Mohamed Edun
Proprietor
Edun Poultry Farms Inc.
24-25 Buzzby Road,
Craig,
East Bank Demerara.

Activity: Poultry Rearing (Layers) and Hatchery Operation

Saeed Mohamed Edun, trading and operating under the name, Edun Poultry Farms Inc., 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 Regulations, 2000, to operate Poultry Rearing (Layers) and Hatchery Operation located at Lot 54, First Street, Garden of Eden, East Bank Demerara, hereinafter referred to as the "Project", in a manner indicated in the Application submitted on March 22, 2018, subject to the terms and conditions set forth herein under the Environmental Protection Act, any forthcoming regulations made under the said Environmental Protection Act and/or any other applicable laws, best practices, guidelines and standards relevant to this project.

The Permit Holder, His Servants, Agents and/or Sub-Contractors shall comply with the following Terms and Conditions:

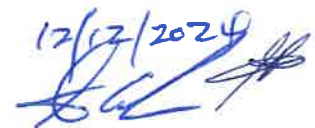
[Signature]
12/12/2024 *[Signature]*

1.0 CONSTRUCTION PHASE

- 1.1 Conduct all construction activities in accordance with measures outlined in Project Summary, unless otherwise stated by the Environmental Protection Agency (EPA).
- 1.2 All relevant employees must be equipped with and trained in the use of Personal Protective Equipment (PPE) in accordance with job specification. Examples of protective equipment include but are not limited to: protective headwear, respirators (N95 filters or N95 mask), ear protection, safety vests, and safety boots.
- 1.3 Identify suitable areas for material stockpile and equipment during construction.
- 1.4 Avoid road traffic hazards or unnecessary inconveniences to the general public through appropriate planning and management of the construction site.
- 1.5 All construction tools, equipment, and machinery must be operated in accordance to the Manufacturer's Specifications.
- 1.6 All construction tools, equipment, and machinery must be promptly removed from site upon completion of construction activities.
- 1.7 All construction wastes must be removed from site as soon as possible and/or upon completion of construction activities. Wastes must be disposed of in accordance to measures outlined in the Project Summary.
- 1.8 All vehicles utilised for the transport of building material to site must be appropriately covered to minimise the risk of dust emissions to the environment.

2.0 OPERATION

- 2.1 The Permit Holder shall make an application to the Agency to vary this Permit in instances where it becomes necessary to:
 - i. change the construction, operation, structure, or layout of the facility and all associated buildings;
 - ii. change equipment, machine, apparatus, mechanism, system, or technology serving the facility;
 - iii. change the position and design of any outlet at the point or points of

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- discharge of effluents; or
- iv. effect any other change outlined in Regulation 20(3) of the Environmental Protection (Authorisations) Regulations.
- 2.2 Utilize 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.
- 2.3 Operate the Project in accordance with the Environmental Protection Agency's operational guidelines for poultry rearing.
- 2.4 Poultry birds must be reared in an **"all-in all-out system"**.
- 2.5 The base of pens must be constructed of concrete or an impervious material.
- 2.6 The operation should be located on land that is adequately built up to minimize flooding and ease of drainage.
- 2.7 Bridges and entrances to facility should not pose a traffic hazard or obstruct the free flow of water in drainage canal.
- 2.8 The Project site should have security measures implemented so as to prevent the entrance of pest and stray animals.
- 2.9 Ensure that all drugs, especially antibiotics administered to the birds are done in accordance with: the Manufacturers' Specifications, the Guyana Livestock Development Authority and Veterinary Public Health's Recommendations.
- 2.10 Provide the names and Safety Data Sheets (SDS) for **All** pharmaceutical drugs and/ or chemicals administered to animals. Reporting on same must be done as part of the Annual Report.
- 2.11 Maintain a footbath with disinfectant at the entrance of each pen. The minimum dimensions of foot bath should be **40 cm length x 40cm width x 10 cm depth**.
- 2.12 The roof of poultry housing should have an overhang/ projection of at least 0.90m (3 ft). Rain water gutters should be attached to divert run-offs from roofs into nearby drains.
- 2.13 Only use disinfectants that are approved by the Pesticides and Toxic Chemicals



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Control Board (PTCCB) and which instructions on labels are printed in English.

- 2.14 Ensure that the bedding materials used are routinely removed and replaced in areas susceptible to moisture such as, next to the water dispensers/holders. The litter bed can be kept loose by raking.
- 2.15 Feed must be stored in a specific area that is dry, well ventilated and meshed to avoid pest infestation. Install storage racks 15-30cm above the ground to prevent absorption of moisture and contamination.
- 2.16 Dispose of all expired pharmaceutical drugs or chemicals as per their Material Safety Data Sheet directions and in accordance with the Agency's Waste Management Guidelines.

3.0 EMPLOYEES AND OCCUPATIONAL HEALTH AND SAFETY

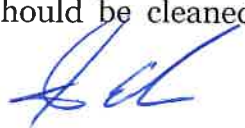

- 3.1 All employees must be equipped with and trained in the use of personal protective equipment (PPE) to fit their job specification such as: respirator (N95 filters or N95 mask), gloves, coveralls, goggles and appropriate footwear. The Permit Holder shall ensure appropriate utilisation of these gears. A log for the distribution of PPE to employees must be maintained. Evidence of distribution log must be presented to officers of the Agency upon request during compliance inspections.
- 3.2 A first aid kit equipped according to the Guyana Red Cross standards must be located on site at times. Additionally, communication and transportation systems must be in place to respond to emergencies.
- 3.3 Ensure that all employees are trained in the use of the fire extinguishers and firefighting protocols.
- 3.4 Make all employees/third party contractors aware of the Conditions of the Environmental Permit and provide training on good environmental management practices. Prepare and maintain a training file for employees which must be available upon Officers' request during a Compliance Inspection. A summary of such activities must be included in the **Annual Report**.
- 3.5 Washroom facilities must be equipped with hand washing stations. All waste water emanating from facilities must be disposed of via a septic system.
- 3.6 Provide areas for employees to wash off hands and skin after interaction with birds.


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- 3.7 Good hygienic practices should be employed at all times to minimize disease contraction when handling birds.
- 3.8 Ensure employees are trained in the correct use of the equipment including the use of machine safety devices, handling/storage and emergency shutoff procedures.
- 3.9 Maintain adequate ventilation throughout the rearing facility to protect against the growth of moulds and fungi and the protection of product from contamination. Air flow should be from cleaner section to dirtier section.
- 3.10 Ensure physical segregation of work and welfare facilities to maintain worker personal hygiene.
- 3.11 At all times, operate the Project in such a manner that will result in minimal impact on public health and safety and the environment.

4.0 WASTE MANAGEMENT

- 4.1 Adhere to the provisions of the **Environmental Protection (Litter Enforcement) Regulations, 2013**.
- 4.2 Ensure effective management of recoverable materials and 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 Maintain good house-keeping, sanitary and hygienic practices. The aesthetic quality of Project site must be maintained at all times.
- 4.4 Covered garbage receptacles must be placed at strategic locations on the project site. Solid waste collected in these receptacles must be disposed of at an approved waste disposal facility.
- 4.5 The open burning of solid waste on-site is strictly **prohibited**.
- 4.6 Dispose of all poultry solid waste including litter, feathers, broken eggs, and dead birds via measures indicated in the Project Summary or as approved by the EPA.
- 4.7 In the event that poultry litter is temporarily stored on site, it should be stored according to measures indicated within the Project Summary or as approved by the EPA.
- 4.8 Upon the completion of each batch of birds, the pens should be cleaned and


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disinfected before the commencement of a new batch. When removing animal waste and bedding, keep waste as dry as possible by scraping wastes instead of flushing with water. Water may be used for cleaning after scraping, and the amount used should be minimized by using high-pressure, low-flow nozzles.

5.0 WATER QUALITY MANAGEMENT



- 5.1 Adhere to the provisions of the **Environmental Protection (Water Quality) Regulations 2000**.
- 5.2 Maintain the integrity of the existing waterways at all times. Discharges into the environment should be in accordance with the *Guyana National Bureau of Standards Interim Guidelines for Industrial Effluent Discharge into the Environment*. In accordance with General Environmental Guidelines, the following maximum allowable limits should not be exceeded:
- pH (5.0-9.0),
 - Temperature (<40°C),
 - COD (<250mg/L),
 - TSS (<50mg/L),
 - Total Nitrogen (<10mg/L),
 - BOD (<50mg/L)
 - and Oil and Grease (<10mg/L).
- 5.3 Monitor the parameters listed in condition 5.2 on a **bi-annual** basis and submit the results to the Agency as a component of the Environmental Annual Report required in condition 7.3. To this end, submit current sample locations for approval by the Agency.
- 5.4 Construct and maintain silt traps, sieve/mesh or grid screens as appropriate at the discharge points of receiving canals, through which all poultry effluent must pass before final discharge.
- 5.5 Avoid excessive or inappropriate use of cleaning chemicals. Use of biodegradable/water-based cleaning products is encouraged.
- 5.6 Ensure all drinking water for layers is properly treated and safe for consumption.
- 5.7 Ensure the compound is well-drained via a drainage network, which should be well maintained, kept free of debris and vegetation.


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- 5.8 The discharge of solid wastes directly into waterways is **strictly prohibited**.
- 5.9 Ensure that wherever possible water conservation is promoted by restricting wastage and recycling or reusing water where practical.

6.0 AIR QUALITY AND NOISE MANAGEMENT

- 6.1 Adhere to the provisions of the **Environmental Protection (Air Quality) Regulations 2000** and the **Environmental Protection (Noise Management) Regulations, 2000**.
- 6.2 Ensure adequate ventilation within the generator room to prevent dust pollution and reduce heat.
- 6.3 At all times employ reasonable and practical measures to eliminate or reduce mal-odour, excessive dust and reduce gaseous emissions, such as ammonia on the environment.
- 6.4 Ensure that the pens are appropriately enclosed to minimize the impact of dust on the receiving environment.
- 6.5 Conduct Air quality monitoring for particulate matters (PM_{2.5}), nitrogen oxides (NO_x) and sulphur oxides (SO_x), hydrogen chloride (HCl), on a **quarterly** basis in keeping with the World Health Organization (WHO) Air Quality Guidelines. All data should be submitted to the Agency within the Annual Report.
- 6.6 Adhere to the **Guyana National Bureau of Standards (GNBS), Guidelines for Noise Emissions** into the Environment, not exceeding the limits below at a distance of 15 meters (50 feet) from the source or property boundary, whichever is closer.
- Commercial Limits: **80 dB** (Day-time (06:00 h-18:00 h))
65 dB (Night-time (18:00 h-06:00 h))
- 6.7 Ensure all significant noise producing equipment, e.g., generators etc. are equipped with appropriate silencers or mufflers and/or are enclosed in suitable acoustic enclosures where necessary to reduce noise levels impacting the surrounding environment to achieve compliance with GNBS requirement.


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- 6.8 Ensure all equipment and machinery are placed on foundations properly designed to ensure effective damping of vibrations.

7.0 COMPLIANCE MONITORING & REPORTING

- 7.1 Adhere to 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 insofar as they involve adherence by your employees and all third parties under your direction.
- 7.3 Submit to the EPA, the **Environmental Annual Report** 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 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 Environmental 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 with the Environmental Permit as follows:
- 7.8.1 Within **twenty-four (24) hours** of the time the Permit Holder becomes aware of the non-compliance, the anticipated manner in which it may endanger human health or the environment.
 - 7.8.2 Within **seventy-two (72) hours**, submit to the Agency a written report containing a description of the non-compliance, its cause and the period of non-compliance including exact dates and time.

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- 7.8.3 Submit a report to the Agency indicating the reasons and the anticipated time it is expected to continue if the non-compliance has not been corrected.

8.0 INSTITUTIONAL AUTHORITY/LIABILITIES

- 8.1 The Permit Holder shall 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.
- 8.2 The Permit Holder shall be liable for any activity that causes or is likely to cause pollution of the environment unless all reasonable and practicable measures are taken to prevent or minimize any resulting adverse effect, pursuant to s. 19 of the Environmental Protection Act, Cap. 20:05, Laws of Guyana.
- 8.3 The Permit Holder shall 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 Interim Environmental Permit, pursuant to s. 19 of the Environmental Protection Act, Cap. 20:05, Laws of Guyana.
- 8.4 The Permit Holder shall be liable to compensate any person who suffers any loss or damage as a result of contravening conditions 7.2 and 7.3 of this Interim Environmental Permit, pursuant to s. 19 of the Environmental Protection Act, Cap. 20:05, Laws of Guyana.
- 8.5 The Permit Holder shall be liable of 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.
- 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 The EPA reserves the right to enter at any time the permitted facility and conduct regular inspections of the Permit Holder's activities as part of its monitoring and enforcement requirements under the Environmental Protection Act, Cap 20:05,

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the Environmental Protection (Amendment) Act, 2005, and Environmental Protection (Authorisations) Regulations, 2000.

- 8.9 The EPA has the right to modify, cancel or suspend this Permit for breach of any of the terms and conditions contained herein.
- 8.10 **This Environmental Permit is not the final consent; all relevant Permissions should be obtained from other regulatory bodies for continued operation.**
- 8.11 This Environmental Permit is effective for the period stipulated herein; **November 30, 2024 to October 31, 2029.**
- 8.12 This Environmental Permit shall remain valid until **October 31, 2029**, unless otherwise suspended, cancelled, modified or varied, in accordance with the provisions of this Permit or the Environmental Protection Act, Cap. 20:05, Laws of Guyana, Environmental Protection (Amendment) Act, 2005, and the Environmental Protection (Authorisations) Regulations, 2000.
- 8.13 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 **April 30, 2029.**
- 8.14 Any late 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 penalty fee (accruing at the time such obligation was first owed for renewal) at a rate of **two thousand dollars (GY\$2000.00) per day for every business day late**, until such renewal application is submitted to the Agency, without prejudice to any other rights of the Permit Holder in connection therewith.
- 8.15 Failure to comply with the requirements of this Permit or with applicable laws and regulations, whether existing or forthcoming, shall render the Permit Holder liable to prosecution and to penalties, inclusive of civil penalties, injunctive relief and imprisonment, as prescribed under the Environmental Protection Act, Cap. 20:05, Laws of Guyana, the Environmental Protection Regulations and other applicable Laws of Guyana.

Signed by *Shanfah Lazack* on behalf of the Environmental Protection Agency.
Kemraj Parsram
Executive Director

Date 2024.11.18

I hereby accept the above Terms and Conditions upon which this Environmental Permit 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 and standards made under this Act.

NAME:	SAEED EDUN
DESIGNATION:	MANAGING DIRECTOR
SIGNATURE:	
DATE:	12/12/2024



Bob # 461866 dt. 2024.12.12

Rate: 210.45-



Environmental Protection Agency

Head Office - Ganges Street, Sophia, Georgetown, Guyana.
Tel (592) 225-6048/44 225-5471/67 Fax: (592) 225-5481
Branch Office - Berbice (Whim, Corentyne) - Tel (592) 337-2201/2207
Linden (LEN Building, Mackenzie) - Tel (592) 444-2313

File Copy

Date:

DDP411P1P2

No. 29807

Received From: Edun Bulting Farms Agency

The Sum of: Eight Hundred Forty Eight Thousand, Eight Hundred Dollars \$841,800.00

For: Environmental Permit medium - poultry rearing (layers) & hatchery operation (November 2024 - October 2029)

PAID ☐ Cash ☒ Cheques ☐ Wire Transfer ☐ Balance due Amt. \$

Signature: [Signature]

