



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 Environmental Protection (Authorisations) Regulations, 2000

Reference No.:	20230317-TRFSR
Fees:	Small (C1) US \$500 (5 years) i.e., US \$100 per year
Fees Paid	US\$ 500 (September 2023 to August 2028)

Addressee (s): **Stefan Rix**
 Proprietor
 Triple R Farms
 74, Success Railway Embankment
 East Coast Demerara.

Activity: **Operation of a Poultry Processing and Poultry Rearing Facility**

Mr. Stephan Rix trading and operating under the name "Triple R Farms", 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 operate a Poultry Processing and Poultry Rearing Facility at Tract HL, West Side of the Soesdyke Linden Highway, South of Kairuni Creek Kairuni, hereinafter referred to as the "Project", in a manner indicated in the Application for Environmental Authorisation submitted on March 20, 2023, and subject to the terms and conditions set forth herein and 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.

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

1.0 GENERAL OPERATION AND POULTRY REARING

- 1.1 Make an application to the Agency to vary this Environmental 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 discharge of effluents; or effect any other change outlined in Regulation 20(3) of the Environmental Protection (Authorisations) Regulations.
- 1.2 A foot bath containing a disinfectant must be maintained at the entrances of each poultry rearing facility and its use must be mandatory before entrance into pens. Unauthorized persons should be prohibited from entering pens.
- 1.3 Poultry birds **must** be reared in an “**all-in all-out system**”.
- 1.4 Poultry bedding materials must be kept as dry as practicable during the growing cycle of birds. Additionally, bedding materials should be placed in areas of pens that become excessively moist in an effort to minimize the release of ammonia to the environment.
- 1.5 Bedding materials should be change after the rearing of each batch of birds is completed.
- 1.6 Dead birds must be immediately removed from pens and disposed of by burial at the designated location identified off-site of facility as outlined in project summary.
- 1.7 Upon the completion of each batch of birds, the pens should be cleaned and disinfected before the commencement of another batch. Waste should be removed by scraping instead of flushing with water.
- 1.8 All manure removed from pens should be placed in bags and stored in a designated enclosed place for reuse as indicated in the **project summary**.
- 1.9 All effluent generated from the disinfection of pens should be channeled to waste water treatment system.
- 1.10 **All employees** must be equipped with, and trained in the proper use of personal protective equipment, according to their job specification. PPEs used must be certified for use in Guyana by the Guyana National Bureau of Standards (GNBS).

2.0 POULTRY PROCESSING FACILITY

- 2.1 Temporary holding area for birds before slaughter must be cleaned and

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disinfected on a daily basis.

- 2.2 Birds **must** be processed in accordance with measures and procedures outlined in **project summary and** in keeping with internationally recognized food safety standards consistent with the principles and practice of Hazard Analysis and Critical Control Point System (HACCP).
- 2.3 Maintain the lay-out of the facility, ensuring each process is physically separated.
- 2.4 Maintain adequate ventilation throughout processing 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 the dirtier section.
- 2.5 Maintain a system for the separation of solid waste from effluent.
- 2.6 **All solid waste** generated from processing facility must be disposed of in accordance with measures outlined in **project summary**.
- 2.7 Ensure that leakage from animal by-product storage containers is avoided (e.g., preventive maintenance, corrosion inspections must be conducted on a regular basis).
- 2.8 **All persons** working in the processing plant must be equipped with and trained in the use of personal protective equipment in accordance with their job specification.
- 2.9 Adequate warning signs must be maintained in processing facility to warn of impending danger.
- 2.10 Maintain physical segregation of work and welfare facilities to maintain personal hygiene.
- 2.11 **Submit within sixty (60) days of receipt of Environmental Permit**, a comprehensive wastewater treatment plan for approval by the Agency.
- 2.12 **Wastewater treatment system must be operationalized within one hundred and eighty (180) days of receipt of approval of plan by the Agency.**

3.0 WATER QUALITY MANAGEMENT

- 3.1 Adhere to the provisions of the **Environmental Protection (Water Quality) Regulations, 2000**.

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- 3.2 Ensure that discharges into the environment are in accordance with the Guyana National Bureau of Standards (GNBS) *Interim Guidelines for Industrial Effluent Discharges into the Environment* and the *IFC Environmental, Health and Safety Guidelines* and within the allowable limits for a Poultry Processing Facilities:
- pH (5.0-9.0);
 - Total Suspended Solids (TSS <50 mg/L);
 - Biological Oxygen Demand (BOD <50 mg/L);
 - Chemical Oxygen Demand (COD <250 mg/L);
 - Fats, Oils and Grease (FOG) (< 10 mg/L);
 - Total Coliform (400 MPN/ml);
 - Total Nitrogen (< 10mg/L)
 - Total Phosphorous (<0.2 mg/L);
 - Residual Chlorine (<0.2 mg/L).
- 3.3 Further, monitor the parameters on an annual basis and submit the results to the Agency as a component of the **Annual Environmental Report required in condition 8.3.**
- 3.4 Not discharge untreated effluent directly into receiving waters. All effluent shall be treated to meet limits set out in **condition 3.2.**
- 3.5 Promote the conservation of water resources by minimising water consumption and reuse where possible and sealing leaks promptly.
- 3.6 Ensure that drainage network is kept free of debris and vegetation to prevent stagnation and flooding. Regular cleaning of drainage network and its immediate environs must be practiced.
- 3.7 Choose cleaning agents that do not have adverse impacts on water quality and the environment. Optimize their use through correct dosage and application.
- 3.8 Maintain an oil water separator through which all discharges from vehicle maintenance and fuel storage areas must pass before entering into receiving environment.

4.0 AIR QUALITY MANAGEMENT

- 4.1 Comply with and adhere to the provisions of the **Environmental Protection (Air Quality) Regulations 2000**
- 4.2 Operate and service all mechanical equipment in accordance with manufacturer's specifications. Additionally, ensure that mechanical equipment work at their optimal levels to minimise atmospheric emissions.



4.3 The exhaust stack of generator(s) **must be** least two (2) meters above the tallest building nearby, to minimise adverse fumes/soot impacts to contiguous areas.

4.4 *Comply with the World Health Organization (WHO) Air Quality Guidelines for Particulate Matter in the Environment, not exceeding the limits below:*

PM_{2.5}: 10 µg/m³ annual mean
25 µg/m³ 24-hour mean

PM₁₀: 20 µg/m³ annual mean
50 µg/m³ 24-hour mean

4.5 Monitor parameters on a bi-annual basis and submit to the Agency as part of your Annual Report required in condition **8.3**.

5.0 NOISE MANAGEMENT

5.1 Comply with and adhere to the provisions of the **Environmental Protection (Noise management) Regulations 2000**.

5.2 Equip all generators with silencers and/or mufflers to reduce noise levels emitted to environment.

5.3 Comply with the Guyana National Bureau of Standards (GNBS) Guidelines for Noise Emissions into the Environment, Industrial Limits not exceeding 100 dB during daytime(06:00h-18:00h) and 80 dB during night-time (18:00h- 06:00) at a distance of 15 m (50 ft) from source or at the property boundary, whichever is closer.

6.0 WASTE MANAGEMENT

6.1 Adhere to the provisions of the **Environmental Protection (Litter Enforcement) Regulations, 2013**.

6.2 Covered Garbage receptacles must be placed at strategic location around Project site. Waste collected must be disposed of in accordance with measures outlined in **project summary**.

6.3 The **open burning of waste generated on-site is strictly prohibited**.

6.4 Maintain good house-keeping, sanitary and hygienic practices. The aesthetic quality of Project site must be maintained at all times.

- 6.5 Maintain septic system on site at all times. Septic system should not be located with 1.5 m of a building or property boundary and should be accessible for cleaning and de-sludging. Any modification of the septic system must be in accordance with the *Guyana National Bureau of Standards (GNBS) Code of Practice for the Design and Construction of Septic Tanks and Associated Secondary Treatment and Disposal Systems*.

7.0 EMPLOYEES AND OCCUPATIONAL HEALTH AND SAFETY

- 7.1 Comply with the requirements of the **Occupational Safety and Health Act, Cap. 99:01, Laws of Guyana**.

7.1.1 Provide employees with the necessary protective equipment to fit their job specifications.

7.1.2 Provide first aid kit/s equipped according to the Guyana Red Cross standards.

7.1.3 Provide communication and transportation systems to respond to emergencies.

- 7.2 All relevant employees must be made aware of the Conditions of this Environmental Permit, and be provided with training on the good environmental practices. Records of such training must be submitted as part of your Annual Report.

- 7.3 Provide designated areas for employees to wash off hands and skin, before leaving the premises.

- 7.4 Ensure employees are trained in the correct use of the equipment including the use of machine safety devices, handling/storage and upkeep of knives, and emergency shutoff procedures.

- 7.5 **The application of all pesticides must be done by a certified pest control operator.**

8.0 COMPLIANCE MONITORING AND REPORTING

- 8.1 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.
- 8.2 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.
- 8.3 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*).
- 8.4 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 Permit.
- 8.5 Inform the Agency prior to or **within thirty (30) days** of any change of name or ownership of the operation.
- 8.6 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.
- 8.7 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.
- 8.8 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.
 - 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.

9.0 INSTITUTIONAL AUTHORITY/LIABILITIES

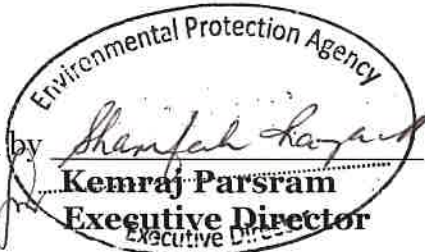
- 9.1 The Permit Holder shall be liable for any material environmental harm caused by polluting the environment, pursuant to s. 39 of the Environmental Protection Act, Cap. 20:05, Laws of Guyana.
- 9.2 The Permit Holder shall be liable for any activity that causes or is likely to cause pollution of the environment unless all reasonable and practicable measures are taken to prevent or minimise any resulting adverse effect, pursuant to s. 19 of the Environmental Protection Act, Cap. 20:05, Laws of Guyana.
- 9.3 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 Environmental Permit, pursuant to s. 19 of the Environmental Protection Act, Cap. 20:05, Laws of Guyana.
- 9.4 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.
- 9.5 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.
- 9.6 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.
- 9.7 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.
- 9.8 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, the Environmental Protection (Amendment) Act, 2005, and Environmental Protection (Authorisations) Regulations, 2000.



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- 9.9 The EPA has the right to modify, cancel or suspend this Permit for breach of any of the terms and conditions contained herein.
- 9.10 **This Environmental Permit is not the final consent; all relevant Permissions should be obtained from other regulatory bodies for continued operation.**
- 9.11 This Environmental Permit is effective for the period stipulated herein; **September, 2023 to August, 2028.**
- 9.12 This Environmental Permit shall remain valid until **August 31, 2028**, 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.
- 9.13 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 **March 31, 2028.**
- 9.14 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.
- 9.15 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  on behalf of the Environmental Protection Agency.
Kemraj Parsram
Executive Director


Date 2023.08.25



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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, guidelines, best practices and standards made under this Act and relevant to this project.

NAME:	Stefan Rix
DESIGNATION:	owner
SIGNATURE:	
DATE:	2024-02-27







Environmental Protection Agency

Head Office - Ganges Street, Sophia, Georgetown, Guyana.
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Linden (DEN Building, Mackenzie) - Tel (592) 444-2313

File Copy

Date:

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No. 27244

Received From:

Triple Plains (Sofia Riv)

The Sum of:

One Hundred & Six Thousand, 00

\$

105,000.00

For:

Environmental Permit - Polling Processing & Polling Agency Monthly - Sept 2002

PAID

<input checked="" type="checkbox"/> Cash	<input type="checkbox"/> Cheques	<input type="checkbox"/> Wire
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Balance due

Amt. \$ -

Signature:

[Signature]

