



**Environmental
Protection
Agency**

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

Environmental Permit (Renewed)

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	20190912-PKFGP
Fee:	Medium (C1) - US\$2500 (5 Years) i.e., US\$500 (per year)
Fee Paid:	US \$ 2500 (May, 2023 to April, 2028)

Addressee(s): Patrick Khan
Khan's Trading Enterprise
276, Second Street,
Herstelling,
East Bank Demerara.

Activity: Fish Glue Processing Plant

Patrick Khan, trading and operating under the name, 'Khan's Trading Enterprise', 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 Fish Glue Processing facility, located at 276, Second Street Herstelling, East Bank Demerara, hereinafter referred to as the "Project", in a manner indicated in the Renewal Application submitted on April 12, 2023, and subject to the terms and conditions set forth herein under the Environmental Protection Act, Cap. 20:05, existing and/or forthcoming regulations made under the said Act, and/or any other applicable laws, best practices, guidelines and standards relevant to this project.

This Environmental Permit (Renewed) is issued pursuant to the Environmental Protection (Authorisations) Regulations, 2000.

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

Environmental Permit (Renewed) - Ref No 20190912-PKFGP

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.

1.0 OPERATION

- 1.1 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 discharge of effluents; or
 - iv. effect any other change outlined in Regulation 20(3) of the Environmental Protection (Authorisations) Regulations.
- 1.2 Ensure that all mechanical/electrical equipment, for example; those used during processing and packaging are done in accordance with manufacturer's recommendations.
- 1.3 Promote the conservation and efficient use of energy. Options for energy efficiency include but are not limited to those listed below:
 - Installation of Energy Star labelled appliances;
 - Implementation of switch-off programmes and sensors to turn off or power down lights and equipment when not in use; and
 - Improved insulation on heating or cooling systems and pipe works
- 1.4 Equip the floor drains and outlets of wastewater channels with the appropriate grids and screens, and/or traps, to reduce the concentration of solids entering the drainage system.
- 1.5 Footbaths containing a disinfectant must be maintained at the entrances of all processing rooms. The usage of these facilities **must** be mandatory before entrance into these areas.
- 1.6 All racks used for sun-drying should be placed at least four (4) feet above level.
- 1.7 Produce (glue) on drying racks should be covered at all times during the drying process to minimize infestation from flies and/ or other pest. The area used for drying must be sanitized on a regular basis.

Environmental Permit (Renewed) - Ref No 20190912-PKFGP

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.

2.0 AIR QUALITY AND NOISE MANAGEMENT

- 2.1 Comply with the provisions of the **Environmental Protection (Air Quality) Regulations, 2000 and Environmental Protection (Noise Management) Regulations, 2000**
- 2.2 Ensure all significant noise-producing equipment, e.g., generator(s), equipment and machinery **are** equipped with appropriate silencers or mufflers and/or are enclosed in suitable acoustic enclosures, to achieve compliance with Guyana National Bureau of Standards (GNBS) requirement.
- 2.3 The permit holder shall take all necessary measures to minimize malodor arising from the processing of raw materials, and the storage, treatment or disposal of by products and waste
- 2.4 Comply with the Guyana National Bureau of Standards (GNBS) Guidelines for Noise Emissions into the Environment, not exceeding the limits below at a distance of 15 metres (50 feet) from the source or at the property boundary, whichever is closer.

Residential Limits: 75 dB (Day-time (06:00 h -18:00 h))
60 dB (Night-time (18:00 h - 06:00 h))

3.0 EMPLOYEES OCCUPATIONAL HEALTH AND SAFETY

- 3.1 Comply with the requirements of the **Occupational Safety and Health Act, Cap. 99:01, Laws of Guyana.**
 - 2.2.1 **All employees must be equipped with and trained in the use Personal Protective Equipment in accordance with their job specifications.**
 - 2.2.2 A first aid kit, equipped in accordance with the Guyana Red Cross Standards must be located onsite at all times.
- 3.2 Communication and transportation facilities must be in place to adequately respond in cases of emergencies.
- 3.3 All employees/third party contractors should be aware of the Conditions of this Environmental Permit (Renewed) and provide training on good environmental management practices. A training report shall be kept and submitted upon Officers' request during a Compliance Inspection.

4.0 WATER QUALITY MANAGEMENT

4.1 Comply with the provisions of the **Environmental Protection (Water Quality) Regulations, 2000.**

4.2 Maintain the integrity of the main waterway. Discharges into the environment should be in accordance with the Guyana National Bureau of Standards Interim Guidelines for Industrial Effluent Discharge into the Environment. The limits below should not be exceeded:

- Temperature (<40°C);
- pH (5.0-9.0);
- Total Suspended Solids (TSS <50 mg/l);
- Biological Oxygen Demand (BOD <50 mg/l);
- Oil and Grease (< 10 mg/l);
- NH₃ (<5 mg/l); and
- Chloroform (<0.002 mg/l).

Further, monitor the parameters on a bi-annual basis (in the rainy and dry seasons) and submit the results as part of your Annual Report. A minimum of three (3) sampling point should be monitored a) at final discharge point b) an upstream sample and a downstream sample.

4.3 The discharge or dumping of solid waste and/or untreated effluent directly into the main waterway is strictly prohibited.

4.4 Promote the conservation of water resources by minimizing water consumed and reusing where possible.

4.5 Ensure that the drainage system is free of debris and/ or vegetation. Regular cleaning of the drainage network and the immediate environs must be conducted.

5.0 WASTE MANAGEMENT

5.1 Covered garbage receptacles must be placed at strategic locations at the facility. All solid waste collected in these receptacles must be disposed of at an approved waste disposal site.

5.2 All solid waste generated from the fish glue cleaning process must be stored in a leak-proof and covered container. Waste collected in these containers must be disposed of on a daily basis at an approved waste disposal facility.

5.3 Maintain good house-keeping, sanitary and hygienic practices. The aesthetic

Environmental Permit (Renewed) - Ref No 20190912-PKFGP

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.

quality of your surroundings must be maintained at all times.

- 5.4 Maintain a Septic Tank System(s) at all times which should be accessible for cleaning and de-sludging. Any modification to the Septic Tank (s) 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*.

6.0 COMPLIANCE, MONITORING & REPORTING

- 6.1 Notify the Environmental Protection Agency **within one (1) hour** of the occurrence of any environmental emergencies (e.g., oil spills, hazardous materials/wastes spill, sudden onset disaster, natural, technological or human-induced factors that cause or threaten to cause severe environmental damage as well as harm to human health or livelihood).
- 6.2 Monitor the implementation of the conditions of this Permit, insofar as they involve adherence by your employees and all third parties under your direction.
- 6.3 Notify the Agency in writing of any change of name or ownership of the Permit Holder's facility within **thirty (30) days** after the change occurs.
- 6.4 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.
- 6.5 Maintain and submit to the Agency records of the type, composition and quantity of contaminant released (i.e., any solid, liquid, gas, odour, sound, vibration, radiation, heat or combination of any of them).
- 6.6 Submit an **Annual Report** to the EPA on your compliance with this Environmental Permit (Renewed) on or before **March 31, each year**.
- 6.7 Report to the Agency any non-compliance(s) with the Environmental Permit (Renewed):
- i. Within **twenty-four (24) hours** of the time the Holder of the Environmental Permit (Renewed) becomes aware of the non-compliance outlining the anticipated manner in which human health or the environment may be impacted.
 - ii. Within **seventy-two (72) hours** of the time the Holder of the Environmental Permit (Renewed) 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 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.

- 6.8 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.

7.0 INSTITUTIONAL AUTHORITY AND LIABILITIES

- 7.1 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.
- 7.2 The Permit Holder shall 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.
- 7.3 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.
- 7.4 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 (Renewed), pursuant to s. 19 of the Environmental Protection Act, Cap. 20:05, Laws of Guyana.
- 7.5 The Permit Holder shall be liable to compensate any person who suffers any loss or damage as a result of the contravention of the conditions of this Environmental Permit (Renewed), pursuant to s. 19 of the Environmental Protection Act, Cap. 20:05, Laws of Guyana.
- 7.6 The Permit Holder shall 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.
- 7.7 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.
- 7.8 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

Environmental Permit (Renewed) - Ref No 20190912-PKFGP

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.

accordance with Section 26 of the Environmental Protection Act, Cap. 20:05, Laws of Guyana.

- 7.9 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.
- 7.10 The EPA reserves the right to 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 and its regulations.
- 7.11 The Permit Holder, His Servants and/or Agents 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. Pursuant to Section 38 of the Environmental Protection Act, Cap. 20:05, Laws of Guyana, it is an offence to assault, obstruct or hinder an authorised person in the execution of his/her duty under the said Act or its Regulations and the Permit Holder shall be liable to penalties prescribed under paragraph (c) of the Fifth Schedule for doing so.
- 7.12 The EPA has the right to modify, cancel or suspend this Permit for breach of any of the terms and conditions contained herein.
- 7.13 **This Environmental Permit (Renewed) is not the final consent; all relevant Permissions should be obtained from other regulatory bodies for continued operation.**
- 7.14 This Environmental Permit (Renewed) is effective for the period stipulated herein, **May 2023 to April 2028.**
- 7.15 This Environmental Permit (Renewed) shall remain valid until **April 30, 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 and the Environmental Protection (Authorisations) Regulations, 2000.
- 7.16 This Environmental Permit (Renewed) must be renewed by submitting a completed *Application Form for Renewal of Environmental Authorisation* to the Agency at least six (6) months before this Permit expires, that is, no later than **November 30, 2027.**
- 7.17 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 the renewal fee, a late penalty fee (accruing at the time such obligation was first owed

Environmental Permit (Renewed) - Ref No 20190912-PKFGP

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.

for renewal) at a rate of **two thousand dollars (\$2,000.00) 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.

7.18 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 any other applicable Laws of Guyana.

Signed by
Agency.


Kemraj Parsram
Executive Director

on behalf of the Environmental Protection

Date 2023.05.19

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, best practices, guidelines and standards made under this Act.

NAME:	Pheona Rayman
DESIGNATION:	Administrator
SIGNATURE:	P. Rayman
DATE:	22 May 2023

