



**Environmental
Protection
Agency**

Ganges Street, Sophia,
Georgetown, GUYANA.
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Environmental Permit

2 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) i.e., US\$500 per year
Fee Paid:	US \$ 500 for One (1) year (August, 2022 to July, 2023)

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



Activity: Fish Glue Processing Plant

Mr. Patrick Khan, 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 Plant located at lot 276 Second Street, Herstelling East Bank Demerara, hereinafter referred to as the "Project", in a manner indicated in the Application submitted on August 02, 2019, 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.

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

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;

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- 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 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 is not the final consent; all relevant Permissions should be obtained from other regulatory bodies for continued operation.**
- 7.14 This Environmental Permit is effective for the period stipulated herein, **August 2022 to July 2023.**
- 7.15 This Environmental Permit shall remain valid until **July 31, 2023**, 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.

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 All relevant employees must be made aware of the conditions of this Operation Permit and be provide with training on good environmental management practices, inclusive of emergency response. Evidence of such training must be documented and submitted as part of Annual Reports.
- 3.2 All 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 not limited to: protective headwear, respirators (N95 filters or N95 mask), ear protection, safety vests, and safety boots.
- 3.3 Employ or designate an employee with the role of an Occupational Health and Safety (OHS)/Environmental Officer who would be responsible for the implementation and coordination of all safety requirements and terms and conditions stipulated in this Permit, as well as monitoring, compliance and the submission of reports to the EPA.
- 3.4 A first aid kit equipped according to the Guyana Red Cross Society standards for a minimum of 25 employees must be located at project site.
- 3.5 Adequate provisions for communication must in place to respond to emergencies.
- 3.6 All employees must be adequately trained in the use of fire extinguishers to respond to emergencies.

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 ($<40^{\circ}\text{C}$);
- pH (5.0-9.0);
- Total Suspended Solids (TSS $<50\text{ mg/l}$);
- Biological Oxygen Demand (BOD $<50\text{ mg/l}$);
- Oil and Grease ($<10\text{ mg/l}$);
- NH_3 ($<5\text{ mg/l}$); and
- Chloroform ($<0.002\text{ mg/l}$).

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 Provide water quality results for the parameters listed in Condition 4.2 above, at the final discharge points within 90 days of issuance this permit.
- 4.4 The discharge or dumping of solid waste and/or untreated effluent directly into the main waterway is strictly prohibited.
- 4.5 Promote the conservation of water resources by minimizing water consumed and reusing where possible.
- 4.6 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.

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- 5.3 Maintain good house-keeping, sanitary and hygienic practices. The aesthetic quality of your surroundings must be maintained at all times.
- 5.4 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.
- 5.5 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 **Submit to the Agency within 60 days after the receipt of this permit the Approval Letter from the Central Housing and Planning Authority.**
- 6.3 Monitor the implementation of the conditions of this Permit, insofar as they involve adherence by your employees and all third parties under your direction.
- 6.4 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.
- 6.5 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.
- 6.6 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).
- 6.7 Submit an **Annual Report** to the EPA on your compliance with this Environmental Permit on or before **March 31, each year.**
- 6.8 Report to the Agency any non-compliance(s) with the Environmental Permit:
 - i. 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.

- ii. 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 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.

- 6.9 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, 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, 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.

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- 7.16 This Environmental Permit 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 **February 28, 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 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


for **Kemraj Parsram**
Executive Director
Executive Director

on behalf of the Environmental Protection Agency.

Date 2022.08.05

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

NAME:	
DESIGNATION:	
SIGNATURE:	
DATE:	

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Signed by
Agency.

Shanifah Rajah
Pr **Kemraj Parsram**
Executive Director

on behalf of the Environmental Protection

Date 2022-08-04

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

NAME:	<i>Pheona Rayman</i>
DESIGNATION:	<i>Administrator</i>
SIGNATURE:	<i>P. Rayman</i>
DATE:	<i>Aug 10th 2022</i>



