



**Environmental
Protection
Agency**

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Environmental Permit (Renewed)

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.:	20150522-FHRMH
Fees:	Medium (C1) – US\$500 per year
Fees Paid:	US\$2500.00 (5 years – June 2022 – May 2027)

Addressee(s): Mr. Fyuse Hoosain
Proprietor
Fyuse Hoosain Rice Milling Complex
DeHoop Branch Road, Mahaica
East Coast Demerara

Activity: Operation of a Rice Mill

Fyuse Hoosain, operating under the name Fyuse Hoosain Rice Milling Complex, hereinafter referred to as the "Permit Holder", is hereby authorized 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 a Rice Mill located at, DeHoop Branch Road, East Coast Demerara, hereinafter referred to as the "Project", in a manner indicated in the Application for Renewal of Environmental Authorisation submitted on February 25, 2020, and subject to the terms and conditions set forth herein and any forthcoming regulations made under the said Environmental Protection Act and/or any other applicable laws, best practices, standards and guidelines 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;
- 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 All mechanical equipment, for example; the furnace, milling apparatus and separator must be operated in accordance with the respective manufacturer's specifications. Additionally, **all** vehicles shall be regularly maintained and operated at their optimal levels.

1.3 All pesticides used for the prevention and/ or treatment of storage pests must be approved for use in Guyana by the Pesticide & Toxic Chemical Board (PTCCB).

1.4 All agrochemical containers must be decontaminated in accordance with measures outlined in the Material Data Safety Sheets (MSDS) provided with the respective product. In the absence of an MSDS, agrochemical containers should be decontaminated by triple- resining with clean water (rinsing three times). All rinsate/effluent generated during the decontamination process must be disposed of by placing into a spray can and sprayed on vegetation or weeds in an area at least 10 metres away from any waterway.

2.0 EMPLOYEES

2.1 Adhere to 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 of **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 on site at all times.

2.2 The application of all pesticides must be done by a certified pest control operator.

2.3 Communication and transportation facilities must be in place to adequately respond in cases of emergencies.

2.4 All employees/third party contractors should be aware of the Conditions of this Environmental Permit and provide training on good environmental management practices. A training report shall be kept and submitted upon Officers' request during a Compliance Inspection.

3.0 WATER QUALITY MANAGEMENT

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

3.2 The disposal of paddy husk, paddy ash or any other solid waste into drains and/ or surrounding waterways **is strictly prohibited.**

3.3 Drainage network in and around facility must be keep free of debris and/ or vegetation.

3.4 Store waste oil in a bunded impervious base, away from the internal drainage network.

4.0 AIR QUALITY MANAGEMENT

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

4.2 Ensure that the exhaust stacks of the generator and dryer are at a height of at least two (2) meters above the tallest building in the surrounding area, so as to effectively disperse exhaust fumes into the atmosphere.



- 4.3** A) Comply with the World Health Organisation (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

B) Conduct monitoring of PM 2.5 and PM₁₀ upwind and downwind of the rice mill during one milling season in the first year of this Environmental Permit and submit the results to the Agency within your Annual Report.

- 4.4** Ensure that the operation is completely enclosed i.e., grain receiving and storage area(s), mill house and load out area(s), packing and shipping area(s), to minimize the impact of dust and ash on the receiving environment. An adequate and efficient dust/ash collection system with extractor and containment bin(s) with the capacity to store approximately seventy-five percent (75%) of all paddy waste (paddy husks, soot, etc.) shall be installed, until such time for disposal. Employ wet suppression methods such as watering to control dust emissions from material stockpiles, dusty roadways and other components of the operation that would generate dust.
- 4.5** Use paddy husk as an energy source in the dryers. All efforts should be made for paddy husks to be recovered and appropriately disposed of at a suitable location away from residents or re-used where practical.
- 4.6** The opening burning of paddy hull onsite **is strictly prohibited.**

5.0 WASTE MANAGEMENT

- 5.1** Comply with the provisions of the **Environmental Protection (Litter Enforcement) Regulations, 2013.**
- 5.2** Good house-keeping, sanitary and hygienic practices must be maintained at project site.
- 5.3** Ensure that excess paddy husk is captured via a dust exhaust shoot, discharged into a containment bin and stored there until time of reuse. The dust



containment bin should be built to store 75% of paddy husk accumulated by the rice mill.

- 5.4 Paddy hull generated onsite should be temporarily stored in heaps not exceeding 2 meters high and wetted as often as necessary in an effort to minimize the emission of particulate matter to the environment. Alternative use of paddy hull including; landfilling, feed stock for dryer, and the distribution to farmers are strongly encouraged.
- 5.5 Promote proper solid waste management practices in the operation. Provide covered garbage receptacles at strategic locations, both within and outside the Rice Mill and ensure that all solid waste materials are appropriately stored until such time of disposal.
- 5.6 Maintain records of waste produced within the rice mill in unit quantity (grams/tones) on a monthly basis. This information should be included in the Annual Report submitted to the Agency.
- 5.7 Maintain a septic tank system 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 NOISE MANAGEMENT

- 6.1 Comply with and adhere to the provisions of the **Environmental Protection (Noise Management) Regulations, 2000**.
- 6.2 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
- 6.3 All equipment and machinery must be placed on foundations properly designed to ensure effective damping of vibrations.
- 6.4 Monitor noise emissions regularly to ensure that they comply with the Guyana National Bureau of Standards (GNBS) Guidelines for Noise Emission into the



Environment at a distance of 15 m (50 ft) from the source or at the property boundary, whichever is closer.


Industrial Limits: 100dB (Day-time (06:00 h -18:00 h))
80 dB (Night-time (18:00 h - 06:00 h))

7.0 HAZARDOUS MATERIALS MANAGEMENT

- 7.1** Adhere to the provisions of the **Environmental Protection (Hazardous Wastes Management) Regulations, 2000.**
- 7.2** Take the necessary precautionary measures such as leak-proof and tightly closed containers during the transport of fuel to the Rice Mill. Appropriate measures should also be taken and during handling and use on all Hazardous Wastes at the Rice Mill.
- 7.3** Ensure that appropriate clean-up equipment such as spill trays, oil spill clean-up recover pump, oil spill dispersant spray system of sorbent pads are readily accessible during refuelling exercise.
- 7.4** Used oils generated onsite must be stored in a designated area that has a bunded wall with the capacity to store 110% of the capacity of used oils stored onsite at any given time.
- 7.5** Promote the reuse of used oil, for example for lubrication of equipment.
- 7.6** Label, store and dispose of used oil and batteries in an environmentally acceptable manner, approved by the EPA.
- 7.7** Ensure that oil/fuel containment absorbent materials are appropriately stored and disposed of in a manner approved by the EPA.

8.0 COMPLIANCE MONITORING AND REPORTING

- 8.1** Notify the Environmental Protection Agency within 24 hours of the occurrence of any environmental emergencies (e.g., oil spills, accidental discharge of hazardous materials/wastes, chemicals, etc.).



- 8.2** 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.
- 8.3** Make all employees, and third parties under your direction, aware of the conditions of the Permit and provide training on good environmental practices.
- 8.4** 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.
- 8.5** 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).
- 8.6** Report to the Agency of non-compliance 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, the anticipated manner in which it may endanger human health or the environment.
 - ii. 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.
 - iii. 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.
- 8.7** Submit Annual Reports to the EPA on the progress of the operation and compliance with the conditions under which this Permit was granted on or before March 31 of each year. Please see attached Guidelines for the Preparation of Environmental Annual Reports.
- 8.8** 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.

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8.9 Develop a Monitoring Protocol to govern the operating process of the Rice Mill and address any issues that may arise from the operation of the Rice Mill and submit to the Agency for approval within two (2) months of receipt of this Permit.

8.91 Assign an individual responsible for coordinating environmental management, monitoring for compliance, reporting to the EPA, implementing the conditions of this Permit and the preparation and implementation of the Monitoring Protocol.

9.0 INSTITUTIONAL AUTHORITY AND LIABILITY

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 serious environmental harm caused by polluting the environment, pursuant to s. 39 of the Environmental Protection Act, Cap. 20:05, Laws of Guyana.

9.3 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.

9.4 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.

9.5 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.

9.6 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

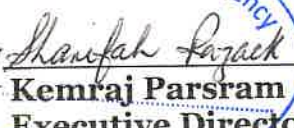



liable to prosecution and to penalties prescribed under the Environmental Protection Act and Regulations.

- 9.7** 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.
- 9.8** 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.
- 9.9** 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.
- 9.10** 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.
- 9.11** 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.
- 9.12** The EPA has the right to modify, cancel or suspend this Permit for breach of any of the terms and conditions contained herein.
- 9.13** This Environmental Permit is not the final consent; all relevant Permissions should be obtained from other regulatory bodies for continued operation.


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- 9.14** This Environmental Permit is effective for the period stipulated herein, **June, 2022 to May, 2027.**
- 9.15** This Environmental Permit shall remain valid until **May 31 2027**, 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.
- 9.16** 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 **November 30, 2026.**
- 9.17** 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.
- 9.18** 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  on behalf of the Environmental Protection Agency
Kemraj Parsram
Executive Director



Date: 2022.06.09

Environmental Permit (Renewed) - Reference: No. 20170522-FHRMH

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

I hereby accept the above terms and conditions upon which this Environmental Permit is granted and agree to abide by the Environmental Protection Cap 20:05, Laws of Guyana, the Environmental Protection (Amendment) Act, 2005, and the Environmental Protection (Authorisations) Regulations, 2000, and any forthcoming regulations and standards made under this Act.

NAME:	OMIELA SUKDEO
DESIGNATION:	REPRESENTATIVE
SIGNATURE:	Omeela Sukdeo
DATE:	20th June 2022



