



**Environmental
Protection
Agency**

Ganges Street, Sophia,
Georgetown, GUYANA
Tel.: (592) 225-0506
Fax: (592) 225-5481
Email: epa@epaguyana.org
Website: <http://www.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.:	20170524-PBDFS
Fee:	Medium (C1)- US\$500 per year
Fee to be Paid:	US \$2500 for Five (5) years- (July 2023- June 2028)
Addressee:	Kaleshwar S. Puran General Manager Puran Brothers Disposal Inc. 7, Bella Street, Pouderoyen, West Bank Demerara
Activity:	Operation of a Mechanical, Fabrication, and Autobody Workshop, Wash Bay, and Fuel Storage Facility

Puran Brothers Disposal Inc., hereinafter referred to as the "Permit Holder", is hereby authorised in accordance with the Environmental Protection Act, Cap. 20:05, the Environmental Protection (Amendment) Act, 2005, and the Environmental Protection (Authorisations) Regulations, 2000, to Operate a Mechanical, Fabrication and Autobody Workshop, Wash Bay and Fuel Storage Facility at Block 2, Crane, La Union, West Bank Demerara, hereinafter referred to as the "Project", in a manner indicated in the Application for Environmental Authorisation submitted on May 24, 2017, and subject to the terms and conditions set forth herein under the Environmental Protection Act, and in any existing or forthcoming regulations made under the said Act and/or any applicable laws, guidelines, best practices, and standards relevant to this project.

This is a Renewal of Environmental Permit, Reference No. 20170524-PBDFS issued on August 2018 and expires on July 2023.

Terms and Conditions for Operation to be adhered to by Permit Holder, His Servants, Agents, and/ or Sub- Contractors:

1.0 GENERAL 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

- iii. serving the facility;
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 20(3) of the Environmental Protection (Authorisations) Regulations.
- 1.2 A register of the quantities of fuel and associated hazardous materials stored onsite shall be established and maintained. Registered information shall be maintained onsite and made available to the EPA upon request.
- 1.3 Emergency spill clean-up kits shall be maintained at the Project site for response to spills. Kits shall contain absorbent materials, drain seals, and other appropriate tools for clean-up, and shall be readily available and clearly identified at the Project.
- 1.4 Fire prevention and control equipment shall be maintained in accordance with **Guyana Fire Service Approval.**
- 1.5 Adhere to the requirements of **the Occupational Safety and Health Act, Cap. 99:01, Laws of Guyana.**

2.0 OPERATION OF WORKSHOP

- 2.1 Servicing and maintenance of vehicles and equipment shall be conducted within the confines of the workshop and on an impervious base.
- 2.2 Contaminated wastewater from cleaning greasy hands and equipment shall be collected and/or routed through the oil-water separator prior to discharge into the environment.
- 2.3 A drip pan shall be utilized to capture waste oil spills during servicing and maintenance activities.
- 2.4 Engine oil, grease, lubricants and other chemicals used in the Project shall be stored in accordance with the Safety Data Sheets (SDS). SDS shall be readily available and easily accessible.
- 2.5 Flammable materials shall be stored away from ignition sources. **'No Smoking'** signs shall be posted where such materials are handled and stored.
- 2.6 Oil- contaminated waste from servicing and maintenance activities such as rags, filters, etc. shall be collected, treated, and disposed of by an EPA Authorised Hazardous Waste Disposal Facility.

3.0 SPRAY PAINTING

- 3.1 The spray-painting booth shall be well-ventilated with booth fans or other Best Available Technology (BAT) to provide a continuous, uniform, and evenly distributed supply of airflow throughout the spray-painting area to exhaust outlets.

- 3.2 Spray booth walls shall be smooth without edges to avoid the trapping of residue.
- 3.3 The Best Available Technology (BAT) shall be implemented to remove vapors from the spray booth so as to minimize the release of fugitive emissions to the environment.
- 3.4 **'NO SMOKING'** signs shall be placed outside the spray booth to reduce the risk of fire.
- 3.5 Spray-painting activities shall **NOT** be conducted outdoors. All spray-painting activities shall be conducted within the spray booth.
- 3.6 In the event that Dry Sanding is conducted at the Project site, the following shall be implemented:
 - i. Sanding shall only be conducted in designated areas to minimize the spread of waste;
 - ii. Dust shall be collected as sanding tasks are completed to prevent tracking outside the designated area;
 - iii. Avoid excessive sweeping to minimize dust emissions into the atmosphere; and
 - iv. Do not sweep or wash sanding dust to storm drains or areas outside the workshop.
- 3.7 In the event that Wet Sanding is conducted at the Project, the following shall be implemented:
 - i. Sanding shall only be conducted in designated areas to minimize the spread of waste;
 - ii. Use a spray bottle to wet a small surface area and collect the waste in a drip pan; and
 - iii. Do not sweep or wash sanding dust to storm drains or areas outside the workshop.
- 3.8 Hazardous materials including paints and flammable solvents shall be stored within secondary containment (bund area) to minimize the spread/ release of spillage from the storage area.
- 3.9 Paint cans shall be tightly sealed and kept off the floor on pallets to reduce the occurrence of spills.
- 3.10 Compressed cylinders shall be stored and managed in accordance with the supplier's recommendations. Air compressors should also be operated in accordance with the manufacturer's instructions.
- 3.11 Safety Data Sheets for paints, solvents, and other hazardous materials shall be readily available and easily accessible at all times at the Project site.

4.0 WASH BAY

- 4.1 The floor of the wash bay shall be of an impervious surface and elevated at a sloped angle to direct all effluent toward the holding tank.
- 4.2 All wastewater from the washing of vehicles, tools, and equipment shall be channeled to the Oil-water Separator for treatment.

5.0 FUEL HANDLING AND STORAGE

- 5.1 Adopt and comply with the National SOP "Guidance for the Design, Construction, Modification, and Maintenance of Petrol Filling Stations" and any forthcoming code of practice/guidelines pertaining to the operation of fuel storage.
- 5.2 Fuel shall at all times be stored above ground and away from ignition sources. **"No Smoking"** signs shall be posted where fuel is handled or stored.
- 5.3 Existing secondary containment around the fuel tanks shall be inspected for cracks and deterioration to ensure they are liquid-tight to withstand the hydrostatic pressure of any contained liquid when full.
- 5.4 All secondary containment shall remain sealed and all piping shall enter or exit the containment over the wall. Secondary containment shall provide total containment, and no part of the tank infrastructure (e.g. dispenser, filling hoses, and valves) shall protrude outside the containment.
- 5.5 Fuel storage tanks shall be visually inspected to verify their integrity. Inspection reports shall be maintained on-site and made available to the EPA upon request.
- 5.6 Protection measures for fuel storage tanks such as painting and coating shall be maintained to minimize corrosion of fuel tanks.
- 5.7 Maintenance and/ or repair of fittings, pipes, and hoses shall be in accordance with the manufacturer's specifications. A summarised inspection report shall be kept and submitted to the EPA upon request.
- 5.8 Overfill protection shall be installed and maintained on all fuel tanks. This may include an automatic shut-off device or an audible or visible overfill alarm.

6.0 WATER QUALITY

- 6.1 Adhere to the provisions of **the Environmental Protection (Water Quality) Regulations, 2000.**
- 6.2 There shall be no commingling of stormwater with water from the Project (workshop, wash bay, and fuel storage).



6.3 Discharge of untreated wastewater from the Facility into the environment is **strictly prohibited**.

6.4 The oil water separator at the following final discharge point shall be maintained:

A. 6 49 22.22 N 58 12 39.27 W

6.5 All wastewater from the secondary containment of the fuel tank shall be directed to the Oil-water Separator for treatment.

6.6 Discharge from the oil-water separator into the environment should be in accordance with the Guyana National Bureau of Standards (GNBS) *Interim Guidelines for Industrial Effluent Discharge into the Environment*. The following allowable limits should not be exceeded:

Parameter	Maximum Concentration	Units
Oil and Grease	Total Petroleum Hydrocarbon (TPH) < 40	mg/L

6.7 A water quality monitoring plan including but not limited to sampling point/s displayed on a map and frequency of sampling shall be submitted to the EPA for approval by **October 31, 2023**.

6.8 Monitoring of the parameter above shall be conducted at the approved sampling point/s and the results analysed at a GNBS-certified laboratory or by trained personnel using calibrated equipment. Analyses shall be submitted to the Agency as part of the Annual Report.

7.0 NOISE MANAGEMENT

7.1 Adhere to the provisions of the **Environmental Protection (Noise Management) Regulations, 2000**.

7.2 Noise emissions shall be monitored at the Project's boundary to determine compliance with **Guyana National Bureau of Standards (GNBS) Guidelines for Noise Emissions** into the Environment, not exceeding the **Commercial Limits** listed below:

Commercial Limits: 80 dB (Day-time (06:00 h -18:00 h))
65 B (Night-time (18:00 h - 06:00 h))

7.3 A noise quality monitoring plan shall be maintained and submitted to the EPA for approval by **October 31, 2023**. Noise monitoring shall be conducted in accordance with the approved plan and the results shall be submitted to the Agency upon request.

- 7.4 All machines/equipment shall be serviced in accordance to the manufacturer's specification to ensure efficiency and reduce the level of noise produced. A summarised maintenance report shall be maintained on-site and made available to the EPA upon request.
- 7.5 All equipment and machinery shall be placed upon foundations properly designed to ensure effective damping of vibrations.
- 7.6 All significant noise-producing equipment, such as generators, shall be 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 Guyana National Bureau of Standards (GNBS) requirement.

8.0 AIR QUALITY

- 8.1 Adhere to the provisions of the **Environmental Protection (Air Quality) Regulations, 2000.**
- 8.2 The Best Available Technology (BAT) shall be implemented to remove vapors/ fumes from the workshop during welding and fabrication works.
- 8.3 Welding gas cylinders shall be stored and managed according to the supplier's recommendations.
- 8.4 In the event of equipment malfunction or **inefficiencies** which may result in visible emissions into air or, in the event of the malfunction leads to abnormal emissions, the operator shall:
- i. Investigate and undertake remedial action **immediately**;
 - ii. Adjust the process or activity to minimize those emissions; and
 - iii. Record the events and actions taken. This shall be submitted in the annual report.

9.0 WASTE MANAGEMENT

- 9.1 In accordance with the **Environmental Protection (Litter Enforcement) Regulations, 2013**, promote good sanitation and solid waste disposal practices on site. Covered garbage receptacles shall be placed upon impervious bases at strategic locations, both within and outside the facility.
- 9.2 Burning solid waste is **strictly prohibited**. All solid waste shall be disposed of by an EPA Authorised Waste Disposal Company.
- 9.3 Good housekeeping, sanitary, and hygienic practices shall be maintained at all times. The facility's drains and surroundings shall be kept free of vegetation and litter.
- 9.4 Waste collection areas shall be kept clean. Dry methods shall be used when cleaning around waste handling and disposal areas (e.g. sweeping, use of absorbents).

- 9.5 Maintain the septic tank system onsite. Septic Tanks at all times shall be accessible for cleaning and de-sludging. Septic tanks should be installed with a sand and charcoal filter bed, or other appropriate design for further treatment. This must be in accordance with the Guyana National Bureau of Standards Code of Practice for the Design and Construction of Septic Tanks and Associated Secondary Treatment and Disposal Systems.
- 9.6 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.

10.0 HAZARDOUS WASTE (Waste Oil, Oily Rags, Etc.) MANAGEMENT

- 10.1 Adhere to the provisions of the **Environmental Protection (Hazardous Waste Management) Regulation 2000**.
- 10.2 Hazardous waste shall be stored in containers appropriate for the waste stream.
That is:

a) Sealed Metal Containers

- i. Solvents and Petroleum- based products;
- ii. Waste ink, Press-wash, Oil and Oily Absorbents

- 10.3 Hazardous waste containers shall be labelled with the following:

- i. The words **"Hazardous Waste"**
- ii. The type of waste
- iii. Beginning accumulation date i.e., date when the container was first placed in the Hazardous Waste Storage Area. Should the hazardous waste container be reused, the data hazardous waste was first placed in the container shall be recorded on the container.

- 10.4 Waste oil containers shall be labelled with the following:

- i. The words **"Waste Oil or "Used oil"**
- ii. Beginning accumulation date

- 10.5 Hazardous waste shall be stored in a covered, bunded area. This area shall include the following:

- i. Signage- "Hazardous Waste Storage Area"
- ii. Low traffic
- iii. No floor drains
- iv. Bunded area shall provide 110% containment of the largest volume stored therein.

- 10.6 Hazardous waste shall be treated and/ or disposed by an EPA authorised Hazardous Waste Disposal Facility. All hazardous waste treatment and disposal shall be documented on a Waste Manifest Form which must be submitted to the EPA as a component of the **Annual Report**.

11.0 COMPLIANCE MONITORING AND REPORTING

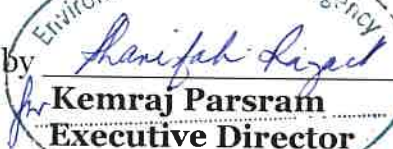
- 11.1 Notify the Environmental Protection Agency **within one (1) hour** of the occurrence of any environmental emergencies (e.g. oil spills, biohazardous materials/wastes spill, sudden onset disaster, natural, technological, or human-induced factors that cause or threaten to cause severe environmental damage as well as harm to human health or livelihood).
- 11.2 Monitor the implementation of the conditions of this Permit, insofar as they involve adherence by your employees and all third parties under your direction.
- 11.3 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.
- 11.4 Notify the Agency **within twenty-one (21) days** in the event of death, bankruptcy, liquidation, or receivership of the Permit Holder or if the Company becomes a party to an amalgamation.
- 11.5 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).
- 11.6 Submit an **Annual Report** to the EPA on your compliance with this Permit on or before **March 31, of each year**.
- 11.7 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.
- 11.8 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.
- 11.9 It is the responsibility of the Permit Holder to ensure the permitted activity and premises are secured and that all practicable steps necessary to prevent fires, explosions, leaks or suspected leaks and spills at the permitted premises are taken.

12.0 INSTITUTIONAL AUTHORITY/LIABILITIES

- 12.1 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.
- 12.2 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.
- 12.3 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 minimize any resulting adverse effect, pursuant to s. 19 of the Environmental Protection Act, Cap. 20:05, Laws of Guyana.
- 12.4 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 in 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.
- 12.5 The Permit Holder shall be liable to compensate any person who suffers any loss or damage as a result of contravening conditions 12.3 and 12.4 of this Environmental Permit, pursuant to s. 19 of the Environmental Protection Act, Cap. 20:05, Laws of Guyana.
- 12.6 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.
- 12.7 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.
- 12.8 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.
- 12.9 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.
- 12.10 The EPA reserves the right to conduct regular inspections of the Permit Holder's


construction activities as part of its monitoring and enforcement requirements under the Environmental Protection Act, Cap 20:05, and the Environmental Protection (Amendment) Act, 2005, and Environmental Protection (Authorisations) Regulations, 2000.

- 12.11 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.
- 12.12 The EPA has the right to modify, cancel or suspend this Permit for breach of any of the terms and conditions contained herein.
- 12.13 **This Environmental Permit (Renewed) is not the final consent; all relevant Permissions should be obtained from other regulatory bodies for continued operation.**
- 12.14 This Environmental Permit (Renewed) is effective for the period stipulated herein; **July 2023 to June, 2028.**
- 12.15 This Environmental Permit (Renewed) shall remain valid until **June 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, Environmental Protection (Amendment) Act, 2005, and the Environmental Protection (Authorisations) Regulations, 2000.
- 12.16 This Permit must be renewed by submitting a completed *Application Form for Renewal of Environmental Authorization* to the Agency at least six months before this Permit expires, that is, no later than **December 31, 2027.**
- 12.17 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 (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.
- 12.18 Failure to comply with the requirements of this Permit (Renewed) 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 2023.07.21

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, Environmental Protection (Amendment) Act, 2005, the Environmental Protection (Authorisations) Regulations, 2000, and any existing or forthcoming regulations, guidelines, best practices and standards made under this Act.

NAME:	Roshani Hardeo
DESIGNATION:	Health, Safety, Security & Environmental officer
SIGNATURE:	
DATE:	31.07.2023



