



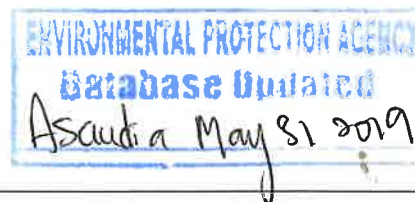
**Environmental  
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## Operation Permit (Renewed)

(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.:	20010618-SA000
Fee.:	Small (C1) - US\$500 (5 years), i.e. US\$100 per year
Fee paid:	Small (C1) - US\$ 500.00
Address:	Mr. Shiraz Ali 17 Vergenoegen, East Bank Essequibo
Activity:	Operation of a Gas Station



Mr. Shiraz Ali, operating as Two Brother's Service Station, hereinafter referred to as the "Permit Holder", 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 Gas Station located Track L Plantation, Vreed-en-Hoop, West Bank Demerara at hereinafter referred to as the "Project", in a manner indicated in the Application submitted July 17, 2017, and subject to the terms and conditions set forth herein and any forthcoming regulations, best practices, guidelines and standards relevant to this project.

This is a Renewal of the Environmental Permit, Reference 20010618-SA000, issued on August 2012, which expired on July, 2017, has been renewed and deemed an Operation Permit - Renewed and is issued pursuant to the Environmental Protection (Authorisations) Regulations, 2000.

**Terms and Conditions for Operation to be adhered to by the Permit Holder:**

### 1.0 OPERATION

- 1.1 Notify the Agency in writing and obtain its approval for **ANY** proposed changes in the Fuel Storage operation **at least fourteen (14) days before making the change**. The notification shall contain a **description of the proposed change in operation**. It is not necessary to make such a notification if **an Application to vary** this Permit has been made and the Application contains a description of the proposed change. In this condition '**change in operation**' means a change in the

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nature or functioning, or an extension, of the installation, which may have consequences for the environment, including but not limited to the following:

- Changes in construction, structure, or layout of the facility, plant or building;
- Installation of new and/or changes to equipment, machine, apparatus, mechanism, system or technology serving the facility or operation; or
- Any technology used or installed at the facility from which effluent may be discharged.

- 1.2 Adopt and comply with the Guyana National Bureau of Standards (GNBS) *Guidelines for the Design, Construction, Modification, and Maintenance of Petrol Filling Stations*, and any forthcoming code of practice/guidelines pertaining to the operation of service stations.
- 1.3 Maintain a sump below the fuel dispensers to capture any spillage that may occur.
- 1.4 Ensure that pipe entries under the pump sumps are sealed to prevent fuel leakage into ground and surface water.
- 1.5 Ensure that pipelines from tanks to offset filling points, dispensing equipment and vent pipes below the ground surface are well maintained. Pipelines should not be located under buildings. Ensure free access to the pipeline system for easy maintenance.
- 1.6 Ensure that all fuel is stored away from ignition sources and have '**No Smoking signs**' posted where fuel is handled or stored.
- 1.7 Maintain an impervious secondary containment bund around fuel storage tanks, creating a temporary holding area in the event of accidental spillage. The containment bund for areas with multiple tanks should have the capacity to provide at least 110% containment of the largest tank. The containment bund for areas with solitary tank should have the capacity to provide 110% containment of the fuel tank.
- 1.8 Install leak detection mechanisms. At least two (2) of the following measures should be taken into consideration:
  - 1.0 Overflow alarms on tanks
  - 2.0 Dip stick
  - 3.0 Gauging system
  - 4.0 Sensors on walls of tank
  - 5.0 Electric shut down buttons

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- 1.9 Ensure that corrosion control measures are in place to prevent the corrosion of underground steel tanks and pipe work.

**2.0 WATER QUALITY**

- 2.1 Adhere to the provisions of the Environmental Protection (Water Quality) Regulations 2000.

- 2.2 Maintain the Integrity of the existing waterways at all times. Discharges 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 are the allowable limits for a Fuel Storage and should not be exceeded:

- pH 5.0-9.0,
- Temperature < 40 °C;
- Total Suspended Solid (TSS) < 100 mg/L;
- Oil and Grease < 20 mg/L; and
- Total Dissolved Solid (TDS) < 40 mg/L.

- 2.2 Monitor the parameters listed in condition 2.2 on an annual basis at the point of discharge (after the oil water separator but before entering drainage system) and submit the results to the Agency as a component of the Annual Report required in condition 7.7.

- 2.3 Maintain drainage systems capable of handling the probable maximum precipitation storm event.

- 2.4 Maintain an interceptor drain, which must be adequately sloped to collect storm flow.

- 2.5 Store and dispose recovered oil from the oil-water separator in manner keeping with condition 5.3.

- 2.6 Do not discharge waste water effluent directly into receiving waters without prior treatment. Maintain an oil-water separator at strategic locations in the area through which all effluent must pass before final discharge.

- 2.7 Avoid soil and water contamination from fuel, grease, waste oils and other petroleum products. Store all oils, fuel, paints and chemicals in a designated area away from watercourses.

- 2.8 Take the necessary precautionary measures during the transport of fuel to site and transfer, use handling on site to prevent spillage.

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- 2.9 Conduct refuelling on an impervious base or implement the use of drip pans to prevent fuel contamination of soil/ water.

**3.0 AIR QUALITY AND NOISE MANAGEMENT**

- 3.1 Adhere to the provisions of the Environmental Protection (Air Quality) Regulations 2000 and the Environmental Protection (Noise Management) Regulations, 2000.
- 3.2 Handle and store liquid fuel in such a manner so as to prevent the emission of offensive odors to the air outside the property boundary.
- 3.3 Monitor any malfunction or breakdown leading to abnormal emissions promptly and process operations adjusted until normal operations can be restored.
- 3.4 Comply with the Guyana National Bureau of Standards (GNBS) *Guidelines for Noise Emissions into the Environment*. Sound levels from noise-making devices should not exceed the limits below, at a distance of 15 meters (50 ft) from the source or property boundary, whichever is closer.

Commercial Limits: **80 dB** during the daytime (06:00 h - 18:00 h)  
**65 dB** during the night-time (18:00 h - 06:00 h)

- 3.5 Ensure that all sound-making devices, such as generators, are suitably enclosed and constructed with materials of good insulation properties (e.g. hollow concrete blocks, insulation boards, solid clay bricks, etc.) and are equipped with silencers or mufflers to reduce the noise level.
- 3.6 Ensure that the exhaust stacks of the generator(s) are 2 meters above the generators house or the tallest building nearby, to minimize adverse fumes/soot impacts to the contiguous areas.
- 3.7 Ensure no recreational activities are conducted on site (i.e. bar-b-ques, limes, public gatherings, etc.).

**4.0 WASTE MANAGEMENT**

- 4.1 In accordance with the **Environmental Protection (Litter Enforcement) Regulations, 2013**, promote good sanitation and solid waste disposal practices on site; covered garbage receptacles must be placed at strategic locations at the facility. Waste must be collected and disposed of at an approved waste disposal facility.
- 4.2 Promote waste minimization and the reuse and/or recycling of waste material and other suitable materials when practical.

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- 4.3 Maintain a septic tank system on site. The septic tank should not be located within 1.5 m of a building or property boundary and should be accessible for cleaning and de-sludging. Any modification to the Septic tanks 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*.
- 4.4 Maintain a good drainage system around the facility. The drainage system should be cleaned regularly and kept free of waste and vegetation.
- 4.5 Maintain good house-keeping, sanitary and hygienic practices and the aesthetic quality of your surroundings at all times.

**5.0 FUEL, WASTE OIL AND HAZARDOUS MATERIAL\WASTE MANAGEMENT**

- 5.1 Adhere to the provisions of the Environmental Protection (Hazardous Waste Management) Regulations 2000.
- 5.2 Prepare and submit to the Agency no later than **forty-five (45)** days after the end of the operating year, a report relating to the activities for the previous year. The report shall include:
- a) the name, location and type of facility;
  - b) types and quantities (in metric units) of hazardous waste generated;
  - c) manner of storage, use, any applied treatment standards/methods and disposal of these substances;
  - d) data concerning off-site shipments of waste, i.e. local disposal facility utilized, country to which hazardous waste is shipped, purpose of shipment and amount of waste shipped;
  - e) a summary of any accidents that may have occurred and any action taken;
  - f) any waste minimization efforts undertaken by your facility for hazardous material/waste; and
  - g) Any other matter the Agency may require.

The Agency considers all materials listed in Schedule I and II of the Environmental Protection (Hazardous Wastes Management) Regulations, 2000, to be hazardous. (Please see attached list.)

- 5.3 In the event that waste oil (recovered from oil-water separator or from servicing of generator is stored on site, it should be stored in a covered, bunded area to minimize adverse impacts to the environment in the event of spillage. The bunded area must be labeled and must be able to provide containment for the maximum volume of waste oil on site.

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- 5.4 Dispose of all waste oil in accordance with the Environmental Guidelines, 2011 for the 'Removal, Treatment and Disposal of Oily Sludge' (attached) or reuse waste oil as lubricant for chainsaw or other equipment\machinery.
- 5.5 Ensure that oil/fuel contaminated absorbent materials are appropriately stored and disposed; these materials must be double wrapped in heavy duty garbage bags and disposed at an approved waste disposal facility. Hazardous contaminated absorbent pads can be disposed of by an authorised Hazardous Waste Disposal company.
- 5.6 Refrain from draining fuel/lubricants including waste oils of any quantity from equipment onto the ground or into waterways. Submit a Clean-up Plan detailing the location of all materials stored on site as well as notification and clean-up measures for each area of the operation in the event of a spill. This clean-up plan must be updated annually.
- 5.7 Ensure that an appropriate spill containment kit is located at the Gas Station. The kit should contain absorbent material, drain seals, disposal containers and other appropriate tools to absorb spilt oil and other spilt liquids.
- 5.8 Submit to the Agency within three (3) month of receipt of the Permit, an Emergency Preparedness Plan for approval. This Plan must be communicated to staff and contractor of the facility and shall include:
  - i. Accident Prevention Procedures;
  - ii. First Person Response;
  - iii. Notification Procedures;
  - iv. Location of clean-up equipment;
  - v. An analysis of potential accidents and response, and;
  - vi. Materials safety data sheet for all materials, which could be spilled.

**6.0 ENVIRONMENTAL EMERGENCY RESPONSE**

- 6.1 Notify the Environmental Protection Agency within **24 hours** of the occurrence of any environmental emergencies.
- 6.2 Provide adequate fire protection measures such as maintaining and placing firefighting equipment such as fire extinguisher, sand bucket, at a visible location on site, in accordance with guidelines established by the Guyana Fire Service.
- 6.3 Maintain a supply of oil-absorbent materials such as absorbent pads, sand, etc at the site for the clean-up of spills.
- 6.4 Treat and contain spills of even a minor nature with absorbent materials.

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- 6.5 Ensure that appropriate clean-up equipment such as spill trays, oil spill clean-up recover pump, oil spill dispersant spray system or sorbent pads are readily accessible during refueling exercises.

**7.0 COMPLIANCE MONITORING AND REPORTING**

- 7.1 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.).
- 7.2 Notify the Agency in writing of any change of name or ownership of the Permit Holder's facility within thirty days after the change occurs.
- 7.3 Notify the Agency within **21 days** in event of death, bankruptcy, liquidation or receivership of the Permit Holder or if the Company becomes a party to an amalgamation.
- 7.4 Monitor the implementation of the conditions of this Permit, insofar as they involve adherence by your employees.
- 7.5 Make all employees, and third parties under your direction, aware of the conditions of the Permit and provide training on good environmental management practices.
- 7.6 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).
- 7.7 Submit **Annual Report** 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 reporting format.
- 7.8 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.
- 7.9 Obtain approval from the Guyana Fire Service and provide fire protection measures such as fire extinguishers and sand buckets in accordance with this approval.
- 7.10 Ensure all firefighting equipment are maintained and serviced regularly.

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**8.0 INSTITUTIONAL RESPONSIBILITIES \ LIABILITIES**

- 8.1 The EPA reserves the right to conduct regular inspections of the Permit Holder's operation as part of its monitoring and enforcement requirements under the Environmental Protection Act, Cap. 20:05, Laws of Guyana, the Environmental Protection (Amendment) Act, 2005, and the Environmental Protection (Authorisations) Regulations, 2000.
- 8.2 The EPA reserves the right to review and/ or amend the conditions attached to this Permit, which also includes the review and/or amendment of Permit fees, inconsideration of any changes in fee structures as determine by the Agency.
- 8.3 The Permit Holder 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.
- 8.4 The EPA shall have the right to cancel or suspend this Permit for breach of any of the terms and conditions contained herein.
- 8.5 The Permit Holder shall compensate any Party who suffers any loss or damage as a result of the attributed project. (S. 19(3) (e)) EP Act Cap. 20:05. Laws of Guyana.
- 8.6 The Permit Holder shall be responsible for the payment of all costs related to the assessment of damage and costs for the independent assessor (s).
- 8.7 The Agency (EPA) shall notify the Permit Holder immediately of any written claim or notice sent by any Complainant seeking loss or damage for negligence as a result of the Permit Holder's lack of due care and diligence.
- 8.8 The Permit Holder shall be liable for 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 or discharge, spill, contaminant fluids, oil or lubricants from the Gas Station.
- 8.9 Should the Permit Holder contravene or is likely to contravene any condition of this Permit, the Agency (EPA) may serve him an enforcement notice in accordance with s. 26 of the EP Act Cap. 20:05. Laws of Guyana.
- 8.10 Where it appears to the Agency (EPA) that the Permit Holder is engaged in any activity that may pose serious threat to natural resources or serious pollution of the Environment or any damage to public health, the (EPA) shall issue to the Permit Holder a Prohibition Notice Order to immediately cease the offending activity. S. 27 EP Act, Cap. 20:05. Laws of Guyana.
- 8.11 The Permit Holder is obligated to ensure that other relevant authorities permit the



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- 8.12 This Operation Permit (Renewed) is effective for the period stipulated herein;  
**May, 2019 to April, 2024.**
- 8.13 This Operation Permit (Renewed) shall remain valid until **April 30, 2024**, unless otherwise cancelled, suspended or modified 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.
- 8.14 This Permit must be renewed by submitting a completed *Application Form for Environmental Authorisation* (Operation Permit) to the Agency months before this Permit expires, that is, no later than **October 31, 2023.**
- 8.15 Failure to comply with the requirements of this Permit shall render the Permit Holder liable to prosecution and to penalties prescribed under the Environmental Protection Act, Cap. 20:05, Laws of Guyana, the Environmental (Amendment) Act, 2005, and the Environmental (Authorisations) Regulations, 2000, including civil penalties and injunctive relief.

Signed by  on behalf of the Environmental Protection Agency.

  
Dr. Vincent Adams  
Executive Director  
Environmental Protection Agency

Date

May 24, 2019

I hereby accept the above terms and conditions upon which this Operation Permit is granted and agree to abide by the Environmental Protection Act, Laws of Guyana, the Environmental Protection (Amendment) Act, 2005, and the Environmental Protection (Authorisation) Regulations, 2000, and any existing or forthcoming regulations, standard and best practices made under this Act.

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NAME	BHARAT PERSAUD
SIGNATURE	B.P.
DESIGNATION	ADMIN MANAGER
DATE	2019-05-24

