



**Environmental
Protection
Agency**

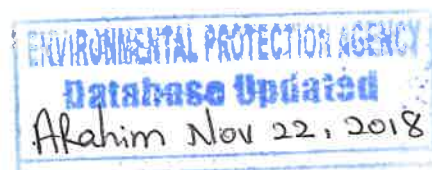
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Operation Permit (Renewed)

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

| | |
|-----------------------|--|
| Reference No.: | 20110816-ISS00 |
| Fee: | Small (C1) - US\$500 (5 years), i.e. US\$100 per year |
| Fees Paid: | US \$500 (November, 2018 to October, 2023) |

Addressee(s): Chatram Persaud
Proprietor
Infinity Service Station
36, Robb Street
Lacytown
Georgetown.



Activity: Operation of a Service Station

Chatram Persaud , operating under the business name Infinity Service Station, 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 Service Station at 29 – 30, Princess and High Streets, Georgetown, hereinafter referred to as the "Project", in a manner indicated in the Application for Renewal submitted on January 04, 2018, and subject to the terms and conditions set forth herein and any forthcoming regulations and standards relevant to this Project.

This is a Renewal of the Operation Permit (Renewed); Reference No. 20110816-ISS00, effective from November 2013 to October, 2016. This Operation Permit (Renewed) is issued pursuant to the Environmental Protection (Authorisations) Regulations, 2000.

Terms and Conditions for Operation:

The Permit Holders shall:

1.0 OPERATION

- 1.1 Notify the Agency in writing of any proposed changes in the operation of the Service Station **at least 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 nature or functioning, or an extension, of the installation, which may have consequences for the environment, including but not limited to the following:

- i. Changes in construction, structure, or layout of the facility.
 - ii. Installation of new and/or changes to equipment, machine, apparatus, mechanism, system or technology serving the facility or operation.
 - iii. Any technology used or installed at the facility from which effluent may be discharged.
- 1.2 Maintain compliance with the National Standard "Guidance 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 Route pipelines from tanks to offset filling points, dispensing equipment and vent pipes below the ground surface. Pipelines should not be located under buildings. Ensure free access to the pipeline system for easy maintenance.
 - 1.6 Maintain an impervious secondary containment wall that has the capacity to provide at least 110% containment of the volume of fuel stored in the largest above-ground fuel storage tank.
 - 1.7 Maintain leak detection mechanisms. At least two (2) of the following measures should be installed on tanks: overflow alarms; a gauging system; dipstick measurements; sensors on walls of tank or an electronic shut down system.
 - 1.8 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 Maintain an oil/water separator on site, through which all effluent must pass before final discharge.
- 2.2 Not discharge waste water effluent directly into receiving waters without prior treatment. Discharges 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 are the allowable limits for a Service Station and should not be exceeded:
 - pH 5.0-9.0;
 - Temperature < 40 °C;
 - Total Suspended Solid (TSS) < 100 mg/L;
 - Oil and Grease < 10 mg/L;
 - Total Dissolved Solid (TDS) < 40 mg/L;



- 2.3 Monitor the parameters listed in condition 2.2 on an annual basis at the point of discharge from the gas station into the receiving drain (after the effluent has passed through the oil/water separator) and submit the results to the Agency as a component of the annual report required in condition 7.3. Samples should be obtained when the Gas station is fully operational.
- 2.4 Maintain the drainage system on site, which must be adequately sloped to collect storm flow.

3.0 NOISE MANAGEMENT & AIR QUALITY

Noise

- 3.1 Maintain compliance with the Guyana National Bureau of Standards (GNBS) Guidelines for Noise Emissions into the Environment, not exceeding the commercial limits at a distance of 15 metres (50 ft) from the source or property boundary, whichever is closer.

Commercial limits: **80 dB** [Day-time (06:00 h -18:00 h)]
65 dB [Night-time (18:00 h - 06:00 h)]

- 3.2 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.
- 3.3 Ensure that the exhaust stack of the generator is at least 2 meters above generator room, to minimize adverse fumes/soot impacts to contiguous areas.
- 3.4 Ensure that no recreational activities are conducted on site (i.e. barbeques, limes, public gatherings, etc.).
- 3.5 Continue to operate and service all mechanical equipment in accordance with manufacturer's specifications at all times. Additionally, ensure that mechanical equipment is regularly maintained and work at their optimal levels to minimize atmospheric emissions.

Air

- 3.6 Maintain compliance with the Guyana Energy Agency (GEA) guidelines for the design, constructions, modification and maintenance of petrol filling station.
- 3.7 Implement a vapor recovery system for the offloading of bulk fuel, on site. Measures to reduce loading off loading emissions include, selection of alternate loading methods and application of vapor recovery equipment.

4.0 WASTE MANAGEMENT

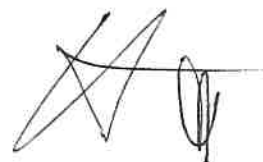
- 4.1 As in accordance with the Litter Enforcement Regulation, 2013, promote good sanitation and solid waste disposal practices on site. Covered garbage receptacles must be placed at strategic locations at the facility. Solid waste collected on site must be disposed of at an approved waste disposal facility.
- 4.2 Maintain good house-keeping, sanitary and hygienic practices and the aesthetic quality of your surroundings at all times.
- 4.3 Maintain a septic system on site at all times. 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.

5.0 ENVIRONMENTAL EMERGENCY RESPONSE

- 5.1 Notify the Environmental Protection Agency within 24 hours of the occurrence of any Environmental Emergencies.
- 5.2 Provide adequate fire protection measures as in accordance with guidelines established by the Guyana Fire Service. Towards this end, firefighting equipment such as fire extinguishers and sand buckets must be placed at conspicuous locations on site.
- 5.3 Maintain a supply of oil-absorbent materials such as absorbent pads, sand, etc., at the site for the clean-up of spills.
- 5.4 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.
- 5.5 Maintain a fully equipped spill kit on site at all times.

6.0 HAZARDOUS WASTE MANAGEMENT

- 6.1 Comply with the provisions of the Environmental Protection (Hazardous Wastes Management) Regulations, 2000.
- 6.2 Establish and maintain a register of hazardous materials or chemicals used or generated by your operation. Submit to the Agency twice yearly (June and December) a report relating to the activities for the previous six months including:
 - (a) the name, location and type of facility;
 - (b) types and quantities (in metric units) of hazardous material/waste generated;
 - (c) manner of storage, use, any applied treatment standards/methods and disposal of these substances;
 - (d) data concerning off-site shipments of material/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 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.

- 6.3 Ensure that oil/fuel contaminated adsorbent materials are appropriately stored in a concrete based structure, away from water ways and disposed by double wrapping in heavy duty garbage bags at an approved hazardous waste disposal facility
- 6.4 If waste oils are stored on site, it should be store in a covered and bunded area to minimize adverse impacts to the environment in the event of spillage. The bunded area must be clearly labeled and have the capacity to provide containment for the maximum volume of waste oil stored.

7.0 MONITORING AND REPORTING

- 7.1 Monitor the implementation of the conditions of this Permit, insofar as they involve adherence by your employees.
- 7.2 Ensure all employees are trained in good environmental management practices and of their obligations under this Permit.
- 7.3 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 format attached.
- 7.4 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.

8.0 INSTITUTIONAL AUTHORITY AND LIABILITIES

- 8.1 The EPA reserves the right to conduct regular inspections of the Permit Holders' 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 (Authorizations) Regulations, 2000.
- 8.2 The EPA reserves the right to review/amend the conditions attached to this Permit.
- 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 be liable to compensate for any loss or damage to the environment that arises from the implementation of this project.

Operation Permit (Renewed) Ref. No. 20110816-ISS00

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- 8.6 Failure to comply with the requirements of this Permit shall render the Permit Holders 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 Protection (Authorizations) Regulations 2000, including civil penalties and injunctive relief.
- 8.7 The Permit Holder is obligated to ensure that the service station is permitted by other relevant authorities.
- 8.9 This Operation Permit (Renewed) is effective for the period stipulated herein **November 2018 to October, 2023.**
- 8.10 This Operation Permit (Renewed) shall remain valid until **October 31, 2023**, unless otherwise suspended or revoked 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. A written request to renew this Permit shall be submitted to the EPA no later than **May 01, 2023.**

Signed by _____ on behalf of the Environmental Protection Agency

Dr Vincent Adams
Executive Director
Environmental Protection Agency

Date

13/11/18

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

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|-------------|----------------|
| NAME | CHATRAM PERSAN |
| DESIGNATION | OWNER |
| DATE | 13/11/18 |
| SIGNATURE | Chatram Persan |