



Environmental Protection Agency

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Operations 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.:	20140327-SNRGS
Fee:	Small (C1) US\$500 (5 years) i.e. US\$ 100 per year
Fees Paid:	US \$ 500
Addressee:	Suraj Narine Rupri 583 12 th Street, Diamond East Bank Demerara.
Activity:	Operation of a Gas Station

Suraj Narine Rupri, 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 Gas Station located at A&B, Ramsburg Providence, East Bank Demerara, hereinafter referred to as the “Project”, in a manner indicated in the Application for Renewal of Environmental Authorisation, submitted on June 24, 2016, and subject to the terms and conditions set forth herein and any forthcoming regulations, best practices, guidelines and standards relevant to this project.

Terms and Conditions for Operation by Permit Holder.

1.0 OPERATION

1.1 Notify the Agency in writing of any proposed changes in the operation of Gas 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:

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

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- 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 Gas Stations.
- 1.3 Maintain a sump below the fuel dispensers to capture any spillage that may occur.
- 1.4 Ensure that pipe entries under pump sumps are sealed to prevent fuel leakage into ground and surface water.
- 1.5 Ensure free access is maintained to the pipeline system for easy maintenance.
- 1.6 Maintain an impervious secondary containment walls that should have the capacity to provide at least 110% containment around each above-ground fuel storage tank, creating a temporary holding area in the event of accidental spillage.
- 1.7 Install leak detection mechanisms. **At least two (2)** of the following measures should be taken: overflow alarms on tanks; gauging system; dipstick measurements; sensors on walls of tank and electric shut down buttons.
- 1.8 Ensure that corrosion control measures are in place to prevent the corrosion of underground steel tanks and pipe work.
- 1.9 Use water-based or biodegradable strippers, cleaners and degreases whenever possible.
- 1.10 Ensure all employees are trained in good environmental management practices and of their obligations under the Permit.

2.0 WATER QUALITY

- 2.1 Not discharge 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;
- 2.2 Monitor the parameters listed in condition 2.1 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 7.4. Samples should be obtained when the Gas Station is fully operational.
- 2.3 Maintain an oil/water separator on site, through which all effluent must pass before final discharge.
- 2.4 Maintain the drainage system on site, which must be adequately sloped to collect

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storm flow. The drainage system should be clean regularly and free of waste and vegetation.

3.0 NOISE MANAGEMENT & AIR QUALITY

- 3.1 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 metres (50 ft) from the source or property boundary, whichever is closer.

Commerical Limits: **80 dB** [Day-time (06:00 h -18:00 h)]

75 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 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.
- 3.4 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 At all times utilize the best practicable means of handling, storing and disposing of all waste materials.
- 4.2 Promote proper solid waste management and disposal practices at your facility. In particular, dispose of waste at the nearest designated waste management site or contract a Disposal Service that services the area to dispose of waste at a designated site. Place covered garbage receptacles at strategic locations around the operation.
- 4.3 Maintain good house-keeping, sanitary, and hygienic practices and improvement in the aesthetic quality of your surroundings at all times. Regular cleaning of the surroundings and drains should be clean of vegetation and litter.
- 4.4 Ensure that a well maintained septic system is constructed on site. 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. If Portable toilets are utilized, ensure regular emptying of its content to avoid mal-odour or overflow

5.0 FUEL, WASTE OIL AND HAZARDOUS WASTE MANAGEMENT

- 5.1 Prepare and submit to the Agency no later than **forty-five (45)** days after the end of

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the operating year, a report relating to the activities for the previous year (please see attached form). 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.)

5.2 In the event that waste oil (recovered from oil-water separator or from servicing of generators) 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.

5.3 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.

5.4 Store all fuel away from ignition sources and have 'No Smoking' signs posted where fuel is handled or stored.

5.5 Ensure that oil/fuel contaminated adsorbent materials are appropriately stored and disposed of by double wrapping in heavy duty garbage bags and dispose of 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.

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.

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- 6.4 Treat and contain spills of even a minor nature with absorbent materials.
- 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 MONITORING AND REPORTING

- 7.1 Notify the EPA within 24 hours of the occurrence of any spills or accidental release of an environmental contaminant.
- 7.2 Notify the Agency of non-compliance with this Permit upon becoming aware of any violation.
- 7.3 Monitor the implementation of the conditions of this Permit, insofar as they involve adherence by your employees and all third parties under your direction.
- 7.4 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.
- 7.5 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.
- 7.6 Assign an individual responsible for coordinating environmental management, monitoring for compliance, reporting to the EPA, implementing the conditions of the Permit, ensuring employees are trained in environmental management and emergency response procedures.

8.0 INSTITUTIONAL AUTHORITY AND LIABILITIES

- 8.1 The EPA reserves the right to conduct regular inspections of your operation as part of its monitoring and enforcement 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.
- 8.6 Failure to comply with any or all the provisions of this Permit shall render the Permit Holder liable to prosecution and to penalties prescribed under the

SR



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- 8.7 The Permit Holder is obligated to ensure that the Gas Station is permitted by other relevant authorities.
- 8.8 This Operation Permit (Renewed) is effective for the period stipulated herein **October, 2018 to September, 2023.**

This Operation Permit (Renewed) shall remain valid until **September 30, 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 (Authorizations) Regulations, 2000. A 'Renewal of Environmental Authorization' to the Agency at least six month before this Operation Permit expires, that is, no later than **April 01, 2023**

Signed by Shanfah Razack on behalf of the Environmental Protection Agency

Dr. Vincent Adams
Executive Director
Environmental Protection Agency

Date 2018.10.11

I hereby accept the above Terms and Conditions upon which this Operation Permit 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 (Authorizations) Regulations, 2000, and any forthcoming regulations and standards made under this Act.

NAME: SURAJ WARTINE RUPPI.

SIGNATURE: [Signature]

DATE: 16/10/18.

