



**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 (Authorisations) Regulations, 2000).

Reference No :	20080401-PRFDO
Fee :	Small (C1) - US\$875 (5 years), i.e. US\$175 per year
Fees Paid	US\$875 (February, 2018 to January, 2023)
Addressee:	Mr Peter Rajmangal Proprietor Posto 58 Gas Station 58 Miles Mabura, Mabura Road, Upper Demerara River.
Activity:	Operation of a Fuel Depot

Peter Rajmangal, trading and operating under the name, Posto 58 Gas Station, 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 (Authorisations) Regulations, 2000, to operate a Fuel Depot located 58 Miles Mabura, Mabura Road, Upper Demerara River, hereinafter referred to as the "Project" in a manner indicated in the Application submitted on December 03, 2014 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, Reference # 20080401-PRFDO, issued on June 06, 2009, which expired on May 30, 2014. This Operation Permit (Renewed) is issued pursuant to the Environmental Protection (Authorisations) Regulations, 2000.

Terms and Conditions for Construction and Operation:

The "Permit Holder" shall:

1. GENERAL

- 1.1 Notify the Agency in writing of any proposed changes in the gas station operation **at least 14 days before making the change.** The notification shall contain a

Operation Permit (Renewed) Ref. No. 20080401-PRFDo

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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 Adopt and comply 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 and fuel depots.
 - 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 is maintained to the pipeline system for easy maintenance.
 - 1.6 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 Maintain an interceptor drain, which must be adequately sloped to collect storm flow.

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*

Operation Permit (Renewed) Ref. No. 20080401-PRFDo

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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 and submit the results to the Agency as a component of the annual report required in condition 2.2.

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

2.5 Ensure that drains are cleared of debris on a regular basis to promote free flow of water.

3.0 AIR QUALITY AND NOISE MANAGEMENT

3.1 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.

3.2 Monitor any malfunction or breakdown leading to abnormal emissions promptly and process operations adjusted until normal operations can be restored.

3.3 Ensure visual and odorous assessments of emissions are made frequently during the working day. Remedial action must be taken immediately in the case of abnormal emissions.

3.4 Comply 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)]

3.5 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.

3.6 Ensure that the exhaust stacks of the generator are of an appropriate height, above the tallest building nearby, to minimize adverse fumes/soot impacts to surrounding areas.

- 3.7 Ensure that the generators and machines/equipment are regularly serviced to ensure efficiency and reduce the level of noise produced. Maintenance activities of generators, machines or equipment should be scheduled on a regular basis to avoid inefficiencies and noxious emissions.

4.0 WASTE MANAGEMENT

- 4.1 Promote proper solid waste management practices in the operation. Provide covered garbage receptacles at strategic locations, both within and outside the operation and ensure that all solid waste materials are appropriately stored until such time of disposal at a designated site and/or adequately reuse, recycle and compost waste materials.
- 4.2 Ensure the strategic environs for receptacles are cleaned and maintained on a regular basis, to prevent the fall or flow of garbage in the surrounding environment and/or attraction of rodents and other vermin.
- 4.3 Maintain regular cleaning of surrounding environs to ensure good house-keeping, sanitary, and hygienic practices and improvement in the aesthetic quality of your surroundings. Internal and external 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.

5.0 FUEL, WASTE OIL AND HAZARDOUS WASTE MANAGEMENT

- 5.1 Comply with the provisions of the Environmental Protection (Hazardous Wastes Management) Regulations, 2000.
- 5.2 Store waste oil (recovered from oil-water separator or from servicing of generators) in a covered, bonded area to minimize adverse impacts to the environment in the event of spillage. The bonded area must be able to provide containment for the maximum volume of waste oil on site.
- 5.2 Store all fuel away from ignition sources and have 'No Smoking' signs posted where fuel is handled or stored.
- 5.3 During transfer of hazardous materials (e.g. Gasoline & Diesel) drip pans and oil absorbent must be placed at connecting points.

Operation Permit (Renewed) Ref. No. 20080401-PRFDo

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- 5.4 Ensure that oil/fuel containment adsorbent materials are appropriately stored and disposed of by double wrapping in heavy duty garbage bags and disposed of at an approved waste disposal facility such as Tiger Tank Limited (TTL). Hazardous contaminated absorbent pads can be disposed of at incineration operation such as Tiger Tank Limited (TTL).
- 5.5 All waste oil must be labeled and stored in a bonded area. Waste oil must be disposed by an approved waste oil disposal company, such as Tiger Tanks Limited (TTL); or given to chainsaw operators.
- 5.6 Maintain an impervious secondary containment bund which should have at least 110% containment capacity around all fuel storage tanks, creating a temporary holding area in the event of spillage.

6.0 COMPLIANCE MONITORING AND REPORTING

- 6.1 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.).
- 6.2 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.
- 6.3 Make all employees, and third parties under your direction, aware of the conditions of the Permit and provide training on good environmental practices.
- 6.4 Notify the Agency within twenty **one (21) days** in event of bankruptcy, liquidation or receivership of the Permit Holder or if the Company becomes a party to an amalgamation.
- 6.5 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).
- 6.6 Report to the Agency of non-compliance with the Operation Permit (Renewed):
 - I. Within twenty-four (24) hours of the time the Holder of the Operation Permit (Renewed) 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.

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Operation Permit (Renewed) Ref. No. 20080401-PRFDo

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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.

- 6.7 Submit **Annual Reports** to the Agency 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.
- 6.8 Comply with any lawful directions given by the Agency from time-to-time in furtherance of the implementation of any international or other obligation for the environmental protection of Guyana.
- 6.9 Compensate any affected party for any loss or damage to the environment that arises from the implementation of this project.
- 6.10 Obtain approval from the Guyana Fire Service and provide fire protection measures such as fire extinguishers and sand buckets in accordance with this approval.
- 6.11 Ensure all firefighting equipment are maintained and serviced regularly.

7.0 LIABILITY FOR POLLUTION DAMAGE


- 7.1 The Permit Holder shall be strictly liable for any loss or damage to the environment through any act caused intentionally or recklessly, through the adverse effect of any discharge or release, or cause or permit the entry of pollution, contaminant in any amount, concentration or level in excess of that prescribed by the regulations or stipulated by any environmental authorization which are attributed to any Project (and more specifically petroleum activities). S. 19(1) EP Act, Cap. 20:05.
- 7.2 The Permit Holder shall comply strictly with section 39 (1), (2), (3) and (4) of the Environmental Protection Act Cap 20:05.
- 7.3 The Permit Holder shall be liable to any gross negligence or wilful misconduct caused by the Permit Holder, to biodiversity, protected species and natural habitat with respect to any release or discharge, spill, contaminant fluids, oil or lubricants from fuel storage at any facilities permitted under this project.
- 7.4 The Permit Holder shall strictly observe section 19 (3) of the Environmental Protection Act Cap 20:05.
- 7.5 The Permit Holder may be liable for environmental damage due to pollution from its activities within Guyana.

Operation Permit (Renewed) Ref. No. 20080401-PRFD0

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8.0 INSTITUTIONAL AUTHORITY

- 8.1 The Agency 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, respectively.
- 8.2 The Agency 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 Agency for the purposes of conducting inspections or any other legitimate business of the Agency.
- 8.4 The Agency shall have the right to cancel or suspend this Permit for breach of any of the terms and conditions contained herein.
- 8.5 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 Protection (Amendment) Act, 2005, and the Environmental Protection (Authorisations) Regulations, 2000, including civil penalties and injunctive relief.
- 8.6 This Environmental Permit is effective for the period stipulated herein **February, 2018 to January, 2023**. This Operation (Renewed) Permit shall remain valid until **January 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, the Environmental Protection (Amendment) Act, 2005, and the Environmental Protection (Authorisations) Regulations, 2000, respectively.
- 8.7 This Permit must be renewed, by submitting an '*Application for Renewal of Environmental Authorisation*' to the Agency at least six months before this Permit of Environmental Authorisation expires, that is, no later than **July 31, 2022**.

Signed by  on behalf of the Environmental Protection Agency.
Kemraj Parsram
Executive Director (Ag.)

Date 22.2.2018



Operation Permit (Renewed) Ref. No. 20080401-PRFDo

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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, the Environmental Protection (Amendment) Act 2005 and the Environmental Protection (Authorisations) Regulations, 2000, respectively and any forthcoming regulations and standards made under this Act.

NAME	<i>Pete Refugio</i>
DESIGNATION	<i>MARIA G. R.</i>
DATE	<i>2019-03-06.</i>
SIGNATURE	<i>P. Refugio</i>

