



**Environmental
Protection
Agency**

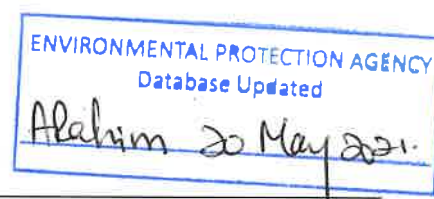
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Operation Permit (Renewed)

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.:	20120614-DPVPO
Fees :	Small (C1) US\$500 (5 years) i.e. US\$ 100 per year
Fees Paid:	US \$500 (March, 2019 to February, 2024)

Address: Mr. Dharampaul Persaud,
Block 'X', Bounty Hall,
Essequibo Coast.



Activity: Operation of a Gas Station

Mr. Dharampaul Persaud, 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 Gas Station at Block 'X', Bounty Hall, Essequibo Coast, hereinafter referred to as the "Project", in a manner indicated in the Renewal Application submitted on July, 2018, and subject to the terms and conditions set forth herein and any existing or forthcoming regulations, best practices, guidelines and standards relevant to this project.

This is a Renewal of the Operation Permit, Reference # 20120614-DPVPO, issued on October 19, 2012, which expired on September 30, 2015. This Operation Permit - Renewed 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

Notify the Agency in writing and obtain its approval for **ANY** proposed changes in operation of the Gas Station **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 nature or functioning, or an extension, of the installation, which may have consequences for the environment, including but not limited to the following:

D.P.

[Signature]

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- i. Changes in construction, structure, layout of the facility;
 - ii. Installation of new and/or changes to equipment, machine, apparatus, mechanism, system or technology serving the facility or operation; and
 - iii. Any technology installed at the facility from which effluent may be discharged.
- 1.1 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 Gas Stations.
- 1.2 Maintain a sump below each fuel dispenser to capture any spillage that may occur.
- 1.3 Ensure that pipe entries under the pump sumps are sealed to prevent fuel leaks.
- 1.4 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.
- 1.5 Maintain an impervious secondary containment wall around fuel storage tanks, creating a temporary holding area in the event of accidental spillage. The containment wall for areas with multiple tanks should have the capacity to provide at least 110% containment of the largest tank. The containment wall for areas with solitary tanks should have the capacity to provide 110% containment of each fuel tank.
- 1.7 Maintain leak detection mechanisms. At least two (2) of the following measures should be taken:
 1. An overflow alarm;
 2. A gauging system;
 3. Dipstick measurements;
 4. Sensors installed on walls of tank or;
 5. 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.
- 1.9 Ensure all relevant employees are trained in good environmental management practices and of their obligations under this Permit.
- 2.0 WATER QUALITY**
- 2.1 Comply with and adhere to the Environmental Protection (Water Quality) Regulations 2000.
- 2.2 Maintain an oil-water separator through which all effluent must pass before final discharge.
- 2.3 Not discharge effluent directly into receiving waters without prior treatment. Discharges from the oil-water separator/s into the environment should be in

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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;

- 2.4 Monitor the parameters listed in condition 2.3 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 annual reports as required in condition 7.2.
- 2.5 Maintain an interceptor drain, which must be adequately sloped to collect storm flow. Ensure that drains are cleared of debris and/ or weeds on a regular basis to promote the free flow of water.

3.0 AIR QUALITY & NOISE MANAGEMENT

- 3.1 Comply and adhere to the provisions of the Environmental Protection (Air Quality) Regulations 2000 and the Environmental Protection (Noise Management) Regulations, 2000.
- 3.2 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)]
- 3.3 Equip all sound-making devices, e.g. generators, etc. with silencers or mufflers to reduce the noise level and/or enclose all sound making devices in structures constructed with materials of good insulation properties (e.g. hollow concrete blocks, insulation boards, solid clay bricks).
- 3.4 Ensure the exhaust stacks of the generator(s) are at least two (2) meters above the generator's housing or the tallest building nearby, to minimize adverse fumes/soot impacts to the contiguous areas.
- 3.5 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 to 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 At all times utilize the best practical means of handling, storing and disposing of all waste materials.
- 4.3 Promote proper solid waste management and disposal practices at your facility. In particular, dispose of waste at the nearest designated waste management site or employ the services of an approved waste disposal provider. Place covered garbage receptacles at strategic locations around the operation.
- 4.4 Maintain a septic system on site at all times. The septic tank should not be located within 1.5m 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. All firefighting equipment such as fire extinguishers and sand buckets should serviced regularly and placed at conspicuous locations onsite, in accordance with guidelines established by the Guyana Fire Service.
- 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. Submit to the Agency an Emergency Response Plan three (3) months after the issuance of this Permit.
- 5.5. 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 to respond to any spills that may occur onsite.

6.0 HAZARDOUS WASTE/ MATERIALS MANAGEMENT

- 6.1 Comply with and adhere to the provisions of the Environmental Protection (Hazardous Waste Management) Regulations 2000.

6.2 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 (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.)

- 6.3 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 activity of the previous six (6) months.
- 6.4 In the event that waste oils (recovered from oil-water separator or from servicing of generators) are stored on site, it should be stored in a covered, bunded area to minimize adverse impacts to the environment in the event of a spillage. The bunded area must be clearly labeled and have the capacity to provide 110 % containment of the total volume of waste oils stored.
- 6.5 Dispose of all waste oils 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
- 6.6 Ensure that oil/fuel contaminated adsorbent materials are appropriately stored and disposed of by double wrapping in heavy duty garbage bags. All contaminated absorbent materials must be disposed of at an authorized Hazardous Waste Disposal Facility.
- 6.7 Store all fuel away from ignition sources and have '**No Smoking**' signs posted where fuel is handled or stored.
- 6.8 Refrain from draining fuel or lubricants including waste oils of any quantity from equipment onto the ground or in waterways.

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7.0 COMPLIANCE, MONITORING AND REPORTING

- 7.1 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.
- 7.2 Make all employees, and third parties under your direction, aware of the conditions of the Permit and provide training on good environmental practices.
- 7.3 Prepare and submit to the Agency an **Emergency Preparedness Plan** for approval by the Agency **three (3) months** after issuance of the Permit. The plan shall include:
 - 5.1.1 The accident prevention procedures;
 - 5.1.2 First person response;
 - 5.1.3 Notification procedures;
 - 5.1.4 Location of clean-up equipment;
 - 5.1.5 An analysis of potential accidents and responses; and
 - 5.1.6 Safety Data Sheets for all materials which could be spilled
- 7.5 Where applicable, 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 a combination of any of them).
- 7.6 Where applicable, 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.
- 7.7 Where applicable, 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.
- 7.9 Report to the Agency of any non-compliance with the Environmental Authorisation:
 - I. Within **twenty-four (24) hours** of the time the Holder of the Environmental Authorisation 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; and
 - 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.
- 7.10 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 **31 March** each year (please see attached, Annual Report form).

8.0 INSTITUTIONAL RESPONSIBILITIES/LIABILITIES

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- 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 and fees attached to this Permit, which also includes the review and/or amendment of Permit Fees in consideration of any changes in fee structure as determined by the Agency for projects of this nature.
- 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. Pursuant to s.38 of the Environmental Protection Act, Cap. 20:05, Laws of Guyana, it is an offence to assault, obstruct or hinder an authorized 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.
- 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. (Part V, s. 19(3)(e)) EP Act Cap. 20:05.
- 8.6 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 or discharge, spill, contaminant fluids, oil or lubricants from the Gas Station.
- 8.7 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.
- 8.8 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.
- 8.9 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.



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- 8.10 The Permit Holder is obligated to ensure that the Gas Station is permitted by other relevant authorities.
- 8.11 This Operation Permit (Renewed) is effective for the period stipulated herein; **November, 2018 to October, 2023.**
- 8.12 This **Operation Permit** shall remain valid until **October 31, 2023** unless otherwise cancelled, suspended, amended, 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.
- 8.13 This Permit must be renewed by submitting a completed Application Form for Renewal of Environmental Authorisation to the Agency at least six months before this Permit expires, that is, no later than **April 30, 2023.**
- 8.14 Any late submission of renewal application(s) after the specified date as stated above, shall 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 (\$2,000.00) per day** for every day late, until such renewal application is submitted to the Agency, without prejudice to any other rights of the Permit Holder in connection therewith.

Signed by: _____

Protection Agency

Dr Vincent Adams

Executive Director



_____ on behalf of the Environmental

Date

10/4/19

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 (Authorisations) Regulations, 2000, and any existing or forthcoming regulations and standards made under this Act.

NAME	<u>Dharmendra Bessant</u>
DESIGNATION	<u>Cner</u>
DATE	<u>16.4.2019</u>
SIGNATURE	<u>Dharmendra Bessant</u>

