



**Environmental
Protection
Agency**

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Operations Permit (Transferred)

(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.:	20110523-NRSSO
Fee:	Small (C2) US\$875 (5 years) i.e. US\$ 175 per year
Fee paid:	US \$875 (May, 2019 to April, 2024)
Addressee:	Samdeo Singh Proprietor Singh and Singh Service Station Helena No. 1, Mahaica, East Coast Demerara
Activity:	Operation of a Gas Station

Mr. Samdeo Singh, operating as Singh and Singh 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 Gas Station located at Helena No.1, Mahaica, East Coast Demerara hereinafter referred to as the "Project", in a manner indicated in the Application for Transfers of Authorisation submitted on September 18, 2018, and subject to the terms and conditions set forth herein and any existing or forthcoming regulations made under the said Environmental Protection Act and/or other applicable laws, best practices, guidelines and standards relevant to this project.

Terms and Conditions for Operation to be adhered to by 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:

- 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 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 the Service 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.
- 1.6 Maintain leak detection mechanisms. At least two (2) of the following measures should be taken:
 - An overflow alarm;
 - A gauging system;
 - Dipstick measurements;
 - Sensors installed on walls of tank; or
 - An electronic shut down system
- 1.7 Ensure that corrosion control measures are in place to prevent the corrosion of underground steel tanks and pipe work.
- 1.8 Ensure all relevant employees are trained in good environmental management practices and of their obligations under this Permit.

2.0 WATER QUALITY

- 2.1 Adhere to the provisions of 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 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 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 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 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 At all times utilise the best practicable means of handling, storing and disposing of all waste materials.
- 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.
- 4.4 Maintain good housekeeping, sanitary and hygienic practices and the aesthetic quality of your surroundings at all times.
- 4.5 Maintain a good drainage system around the facility. The drainage system should be cleaned regularly and free of waste and vegetation.

5. ENVIRONMENTAL EMERGENCY RESPONSE

- 5.1. 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.
- 5.2. Maintain a supply of oil-absorbent materials such as absorbent pads, sand, etc at the site for the clean-up of spills
- 5.3. 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. FUEL, WASTE OIL AND HAZARDOUS WASTE/MATERIAL MANAGEMENT

- 6.1. 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.
- 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 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 a spillage. The bunded area must be clearly labeled and have the capacity to provide 110 % containment of the total volume of waste oil stored.
- 6.5. Ensure that an appropriate spill containment kit is located at the Service Station. The kit should contain absorbent material to treat with spilt oil and other liquids.
- 6.6. Ensure that oil/fuel contaminated absorbent 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 into waterways. Submit a Clean-up Plan detailing the location of all materials stored on site and notification and clean-up measure for each site of operation in the event of a spill. This Clean-up Plan must be updated annually.

6.9. Submit to the Agency within **three (3) months** 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.

7. COMPLIANCE, MONITORING AND REPORTING

- 7.1 Monitor the implementation of the conditions of this Permit, insofar as they involve adherence by your employees and all third parties under your direction.
- 7.2 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.
- 7.3 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.
- 7.4 Inform the Agency prior to or within **thirty (30) days** of any change of name or ownership of the operation.
- 7.5 Notify the Agency within **twenty-one (21) days** in event of death, bankruptcy, liquidation or receivership of the Permit Holder or if the Company becomes a party to an amalgamation.
- 7.6 Notify the EPA **within twenty-four (24) hours** of the occurrence of any environmental emergencies such as a sudden onset disaster, accident, natural, technological or human induced factors that cause or threaten to cause severe environmental damage as well as harm to human health or livelihood.
- 7.7 Report to the Agency of non-compliance with the Operation Permit (Renewed):
 - 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.
 - 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.

- 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.
- 7.8 Ensure all relevant employees are trained in good environmental management practices and of their obligations under this Permit.
- 7.9 Make all employees aware of the Conditions of the Operation Permit and provide training on good environmental practices.

8 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 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 authorised 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 and Agents shall be strictly liable for 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 this environmental authorisation which are attributed to this Project. This is in accordance with section 19(1), (2), and (3) of the Environmental Protection Act, Cap. 20:05, Laws of Guyana.
- 8.6 The Permit Holder shall compensate any Party who suffers any loss or damage as a result of the attributed project. (s. 19(3)(e) of the Environmental Protection Act, Cap. 20:05, Laws of Guyana.
- 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.

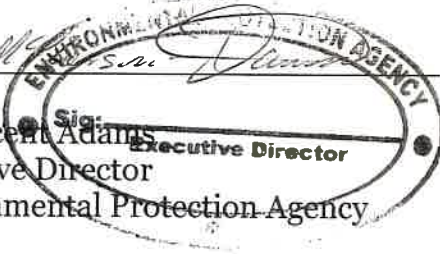
Operation Permit (Renewed) Ref. No. 20110523-NRSSO
(Issued under of the Environmental Protection Act, Cap 20:05, Laws of Guyana,
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Protection (Authorisations) Regulations, 2000.

- 8.8 The Permit Holder shall be liable of any gross negligence or willful misconduct caused by the Permit Holder, 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 fuel storage.
- 8.9 Should the Permit Holder contravene or where he 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 Environmental Protection 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, including an order to immediately cease the offending activity. See: s. 27 of the Environmental Protection Act, Cap. 20:05, Laws of Guyana.
- 8.11 The Permit Holder is obligated to ensure that the Gas Station is permitted by all other relevant authorities.
- 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 suspended, cancelled, 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.
- 8.14 This Permit must be renewed by submitting a completed *Application Form for Environmental Authorisation* (Operation Permit) to the Agency at least six months before this Permit expires, that is, no later than **September 30, 2023.**
- 8.15 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.
- 8.16 Failure to comply with the requirements of this Permit shall render the Permit Holder liable to prosecution and to civil penalties and injunctive relief, as prescribed under the Environmental Protection Act, Cap. 20:05, Laws of Guyana, the Environmental (Amendment) Act, 2005, and the Environmental Regulations, 2000, as well as any other existing or forthcoming applicable regulations and laws of Guyana.

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Signed by _____
Protection Agency.

for Dr. Vincent Adams
Executive Director
Environmental Protection Agency



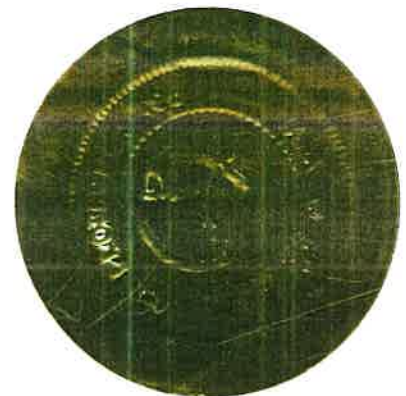
on behalf of the Environmental

Date

May 07, 2019

I hereby accept the above terms and conditions upon which this Operation (Renewed) 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 (Authorisations) Regulations, 2000, and any existing or forthcoming regulations and standard made under this Act.

NAME	SAMDEO SINGH
DESIGNATION	OWNER
SIGNATURE	<i>Samdeo Singh</i>
DATE	2019/05/09



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