



**Environmental
Protection
Agency**

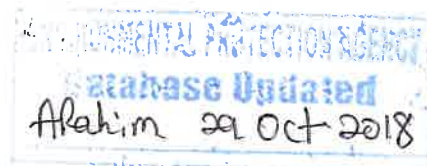
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Operation Permit

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.:	20170913 - RAFFS
Fees :	Small (C1) US\$500 (5 years) i.e. US\$ 100 per year
Fees Paid:	USD 500 (June, 2018 – May, 2023)

Address: Mr Randy Anthony Ferdinand
36 Vryman's Erven
New Amsterdam
Berbice



Activity: Operation of a Fuel Station

Mr Randy Anthony Ferdinand, 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 Station at Lot 'M' Springlands, Corentyne, Berbice, hereinafter referred to as the "Project", in a manner indicated in the Application submitted September 11, 2017, 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 the Permit Holder:

1.0 OPERATION

- 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 **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.

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- 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.
 - 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 Maintain an impervious secondary containment wall that should have the capacity to provide at least 110% containment around each fuel storage tank, creating a temporary holding area in the event of accidental spillage.
 - 1.7 Maintain good house-keeping, sanitary and hygienic practices, and improvement in the aesthetic quality of the surroundings at all times.
 - 1.8 Maintain a sump below the fuel dispensers to capture any spillage that may occur.
 - 1.9 Ensure that pipe entries under the sumps are sealed to prevent fuel leakage into ground and surface water
 - 1.10 Ensure that pipelines from tanks to offset filling points, dispensing equipment and vent pipes below the ground surface are well maintained. Pipelines should not be located under buildings. Ensure free access to the pipelines.
 - 1.11 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.
 - 1.12 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 the Integrity of the existing waterways at all times. Discharges into the environment should be in accordance with the *Guyana National Bureau of*



Standards Interim Guidelines for Industrial Effluent Discharge into the Environment. The following are the allowable limits for a Petroleum Gas Station and should not be exceeded:

- pH 5.0 - 9.0; Temp <40°C;
- Biological Oxygen Demand (BOD₅) <50 mg/L;
- Chemical Oxygen Demand (COD) <250 mg/L;
- Total Suspended Solid (TSS) <100 mg/L;
- Oil & Grease < 20 mg/L; Total Dissolved Solid (TDS) <40 mg/L.

2.2 Monitor the parameters listed in condition 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.

2.3 Not discharge waste water effluent directly into receiving waters without prior treatment.

2.4 Maintain an oil-water separator through which all effluent must pass before final discharge.

2.5 Store and dispose recovered oil from the oil-water separator in a manner approved by the EPA.

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

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

3.0 NOISE MANAGEMENT

3.1 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)]

3.2 Equip all sound-making devices, e.g. generators, planers, 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).

4.0 WASTE MANAGEMENT

4.1 Promote good sanitation and solid waste disposal practices on site. Wastes must be collected and disposed of at an approved waste disposal facility.

- 4.2 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*.
- 4.3 In accordance with the Litter Enforcement Regulations, 2013 provide covered garbage receptacles at strategic locations, both within and outside the established buildings of the site. At all times, garbage receptacles, both inside and outside of the facility, should be emptied, cleaned and maintained on a regular basis, to prevent the fall or flow of garbage in the surrounding environment and attraction of rodents and other vermin.

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 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.
- 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. Treat and contain spills of even a minor nature with absorbent materials.
- 5.6. 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.

6.0 HAZARDOUS WASTE/MATERIALS MANAGEMENT

- 6.1 Comply with 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 Label, store and dispose of used waste oil (recovered from oil/water separator) and LED batteries at a facility approved by the EPA, for example Den's Trading.
- 6.4 Ensure that oil/fuel containment absorbent materials are appropriately stored and disposed of in a manner approved by the EPA.
- 6.5 Store waste oil in a covered, bunded area to minimize impacts to the environment in event of a spillage. The bunded area must be able to provide containment for 110% maximum volume of waste oil on site

7.0 COMPLIANCE MONITORING AND REPORTING

- 7.1 Monitor the implementation of the conditions of this Permit, insofar as they involve adherence by your employees.
- 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 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 attached, Guidelines for Preparing Environmental Annual Reports).
- 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.
- 7.5 Report to the Agency of non-compliance with the Operation Permit:
 - I. Within twenty-four (24) hours of the time the Holder of the Operation Permit 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.

- 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.

7.6 Obtain approval from the Guyana Fire Service and provide fire protection measures such as fire extinguishers and sand buckets in accordance with this approval.

8.0 INSTITUTIONAL AUTHORITY/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 Regulations, 2000. The EPA reserves the right to review / amend the conditions attached to this Permit.
- 8.2 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.
- 8.3 The EPA shall have the right to cancel or suspend this Permit for breach of any of the terms and conditions contained herein.
- 8.4 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 to 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 the Project. S. 19(1) EP Act, Cap. 20:05.
- 8.5 The Permit Holder shall be guilty of any offence in accordance with s. 39(1), (2), (3), (4) of the EP Act, Cap. 20:05, which states respectively –“every person who causes material or serious environmental harm by polluting the environment intentionally or recklessly and with the knowledge that material and/or serious environmental harm will or might result is guilty of an offence and shall be liable to the penalties prescribed under the Act.”
- 8.6 The Permit Holder shall be liable to any gross negligence or willful misconduct caused by the Permit Holder, his Servants and/ or Agents, to the marine environment, biodiversity, protected species and natural habitat with respect to any release or discharge, spill, contaminant fluids, oil or lubricants from the fuel storage.
- 8.7 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.
- 8.8 The Permit Holder shall be responsible for the payment of all costs related to the

- assessment of damage and costs for the independent assessor (s).
- 8.9 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 lack of due care and diligence.
- 8.10 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.
- 8.11 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.
- 8.12 The Permit Holder shall be liable to compensate for any loss or damage to the environment that arises from the implementation of this project.
- 8.13 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 Protection (Authorisations) Regulations, 2000, including civil penalties and injunctive relief.
- 8.14 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.
- 8.15 The Permit Holder is obligated to ensure that the Gas Station is permitted by other relevant authorities.
- 8.16 This Operation Permit is effective for the period stipulated herein **June, 2018 to May, 2023.**
- 8.17 This Operation Permit shall remain valid until **May 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.
- 8.18 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 **November 30, 2022.**

Operation Permit Ref. No. 20170913-RAFFS

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

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

Date 2018-06-06

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, the Environmental Protection (Authorisations) Regulations, 2000, and any forthcoming regulations, best practices, guidelines and standards made under this Act.

NAME	RANDY . ANTHONY . FERDINAND
DESIGNATION	PROPRIETOR
DATE	2018-10-25
SIGNATURE	R. Ferdinand

