



## 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 Regulations, 2000)

Reference No :	20150724-GGJFS
Fee :	Small (C1) - US\$500 (5 years), i.e. US\$100 per year
Addressee:	<b>Mr. Gary Godfrey James Proprietor Gary James Variety North West District, Region 1</b> <div><b>Disclaimer:</b> THIS PERMIT IS NOT A FINAL COPY, BUT ONLY A DRAFT COPY. IT IS NOT TO BE USED FOR ANY PURPOSE EXCEPT FOR REVIEW OF THE TERMS &amp; CONDITIONS BY THE "PERMIT HOLDERS".</div>
Activity:	Operation of a Fuel Depot

Mr. Gary Godfrey James, hereinafter referred to as the "Permit Holder" is hereby authorized in accordance with the Environmental Protection Act 1996, the Environmental Protection (Amendment) Act 2005 and the Environmental Protection Regulations 2000 to operate a Fuel Depot located at Kumaka, North West District, hereinafter referred to as the "Project" in a manner indicated in the Application submitted on July 17, 2015 and subject to the terms and conditions set forth herein and any forthcoming regulations and standards relevant to this project.

*update*  
*made under the said Environmental Protection Act and any applicable laws, best practices and guidelines*  
**Terms and Conditions for Construction and Operation:-**

*by the Permit Holder*  
**The "Permit Holder" shall:**

### 1. GENERAL

- and obtain approval for*
- 1.1 Notify the Agency in writing of any proposed changes to the operation **at least** 14 days prior to 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, or any additional installation, which may have consequences for the environment. Changes to operation may include but not limited to the following:

- Changes in construction, structure, or layout of the facility, plant or building;

**Operation Permit Ref. No. 20150724-GGJFS**

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*Authorizations*

- Installation of new and/or changes to equipment, machine, apparatus, mechanism, system or technology serving the facility or operation; or
  - Any technology used or installed at the facility from which effluent may be discharged.
- 1.2 At all times operate the service station in a manner that will cause minimal adverse impact on public health and the environment.
  - 1.3 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 a fuel depot.
  - 1.4 Not undertake any modifications to the facility, which include the fuel depot without the written approval of the EPA.
  - 1.5 Install a fuel dispenser on each fuel dispensing unit to minimise spills.
  - 1.6 Maintain a sump below the fuel dispensers to capture any spillage that may occur.
  - 1.7 Ensure that pipe entries under the pump sumps are sealed to prevent fuel leakage into ground and surface water.
  - 1.8 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 to the pipeline system for easy maintenance.
  - 1.9 Construct and 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.
  - 1.10 Store all fuel away from ignition sources and have 'No Smoking' signs posted where fuel is handled or stored.
  - 1.11 Ensure that corrosion control measures are in place to prevent the corrosion of underground steel tanks and pipe work.
  - 1.12 Construct and maintain an interceptor drain, which must be adequately sloped to collect storm flow.
  - 1.13 Utilize silt traps and or other appropriate measures in the perimeter drainage system to ensure erosion and sedimentation control.
  - 1.14 Provide adequate fire protection measures in accordance with the requirements of the Guyana Fire Service.

**Operation Permit Ref. No. 20150724-GGJFS**

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**2.0 WATER QUALITY**

2.1 *Insert condition 5 on the list of Revised & New Permit Conditions (LRNPC).*

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 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.

*AIR QUALITY*

**3.0 NOISE ABATEMENT**

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.

Commercial Limits:      **80 dB** during the daytime (06:00 h - 18:00 h)  
                                     **65 B** during the night-time (18:00 h - 06:00 h)

3.2 Ensure that sound-making devices such as generators are suitably enclosed and constructed with materials of good insulation properties (e.g. hollow concrete blocks, insulation boards, solid clay bricks, etc.) and are equipped with silencers or mufflers to reduce the noise level.

3.3 Ensure that the exhaust stacks of the generator (s) are at least 2 metres above the tallest building nearby, to minimise adverse fumes/soot impacts to the contiguous areas.

3.4 *Insert Air quality conditions.*

#### **4.0 HAZARDOUS WASTE / MATERIALS MANAGEMENT**

- 4.1 <sup>and adhere to</sup> Comply with the provisions of the Environmental Protection (Hazardous Wastes Management) Regulations, 2000.
- 4.2 Ensure that oil/fuel containment absorbent materials are appropriately stored in slop tanks.
- 4.3 Store used oil in a covered, bonded area to minimise adverse impacts to the environment in the event of spillage. The bonded area must be able to provide containment for the maximum volume of used oil stored on site.
- 4.4 Ensure all pumps and dispensers are inspected regularly for leak detection.
- 4.5 Label, store and dispose of or reuse oil and batteries in an environmentally acceptable manner.
- 4.6 Ensure that oil/fuel containment adsorbent materials are appropriately stored and disposed of in a manner approved by the Agency.

#### **5.0 WASTE MANAGEMENT**

- 5.1 <sup>Align</sup> Promote good sanitation and solid waste disposal practices on site; covered garbage receptacles must be placed at strategic locations at the facility. Wastes must be collected and disposed of at an approved waste disposal facility.
- 5.2 Promote waste minimisation and the reuse and/or recycling of waste material and other suitable materials when practical.
- 5.3 <sup>Align</sup> Establish a well maintained septic tank system on site. Septic tanks must be installed and fitted with a sand and charcoal filter bed or an acceptable treatment design technology in accordance with the Guyana National Bureau of Standards Code of Practice for Design and Construction of Septic Tanks and Associated Secondary Treatment and Disposal Systems.

#### **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 death, 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). X
- 6.6 Report to the Agency of non-compliance with the Operation Permit (Renewed):
- I. Within <sup>bld</sup>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 <sup>bld</sup>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.
- 6.7 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 the Preparation of Environmental Annual Reports.
- 6.8 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.
- 6.9 Compensate any affected party for any ~~loss or damage~~ to the environment that arises from the implementation of this project. *delete*
- 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**

<sup>7.6</sup>  
~~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.

- 7.7  
7.2 The Permit Holder shall comply strictly with section 39 (1), (2), (3) and (4) of the Environmental Protection Act Cap 20:05.
- 7.8  
7.3 The Permit Holder shall be liable to any gross negligence or willful 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.
- 7.9  
7.4 The Permit Holder shall strictly observe section 19 (3) of the Environmental Protection Act Cap 20:05.
- 7.10  
7.5 The Permit Holder may be liable for environmental damage due to pollution from its activities within Guyana.

## 8.0 INSTITUTIONAL AUTHORITY / *Liabilities*

- 7.1  
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.
- 7.2  
8.2 The EPA reserves the right to review/ amend the conditions attached to this Permit. — *Substitute with conditions 6 on the LRNPC*
- 7.3  
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. — *Substitute with condition 7 on the LRNPC*
- 7.4  
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.
- 7.5  
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 Regulations, 2000, including civil penalties and injunctive relief.
- 7.11  
8.6 This Environmental Permit is effective for the period stipulated herein **November, 2017 to October, 2022**. This Environmental Permit shall remain valid until **October 31, 2022**, unless otherwise suspended, *cancelled,* *modified or varied* 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 Regulations, 2000.
- 7.12  
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

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Permit of Environmental Authorisation expires, that is, no later than **April 30, 2021.**

7.13 Insert condition 10 on the CRNPC.

Signed by \_\_\_\_\_ on behalf of the Environmental Protection Agency.

Kemraj Parsram  
Executive Director (Ag.)

*update.*

Date \_\_\_\_\_

I hereby accept the above terms and conditions upon which this Environmental Permit is granted and agree to abide by the Environmental Protection Act 1996, the Environmental Protection (Amendment) Act 2005 and the Environmental Protection Regulations, 2000 and any forthcoming regulations and standards made under this Act.

NAME	GARY JAMES.
DESIGNATION	Kururaku / North West Reg.
DATE	19/10/2018
SIGNATURE	<i>[Signature]</i>