



**Environmental  
Protection  
Agency**

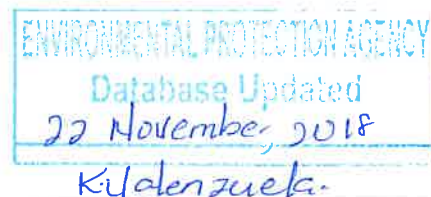
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## Operation Permit

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

Reference No.:	20071114-RADOO
Fees :	Small (C1) US\$500 (5 years) i.e. US\$ 100 per year
Fees Paid:	USD 500 (July, 2018 – June, 2023)

**Address:** Mr Roopnarine & Ms Nicoletta Arnold  
Lot 20- 6, St John Street,  
New Amsterdam  
Berbice.



**Activity:** Operation of a Gas Station

Mr. Roopnarine & Ms. Nicoletta Arnold, hereinafter referred to as the "Permit Holders", are 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 at 12 West Canefield, East Canje Berbice, hereinafter referred to as the "Project", in a manner indicated in the Application submitted January 08, 2018, and subject to the terms and conditions set forth herein and any forthcoming regulations, best practices, guidelines and standards relevant to this project.

Environmental Permit, Reference # 20071114-RADOO, issued on June 06, 2013, which expired on May 31, 2018, has been renewed and now deemed an Operation Permit.

### Terms and Conditions for Operation by Permit Holder:

#### 1.0 OPERATION

- 1.1 Notify the Agency in writing of any proposed changes in the fuel storage 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:

*RA & N.A.*

*K*

- 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 fuel storage.
  - 1.3 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.
  - 1.4 Ensure that corrosion control measures are in place to prevent the corrosion of steel tanks and pipe work.

## 2.0 WATER QUALITY

- 2.1 Ensure that discharges from the oil/water separator into the environment are 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 Gas 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; and
  - Total Dissolved Solid (TDS) < 40 mg/L.
- 2.2 Monitor the parameters listed in condition 2.1 on an annual basis at the point of discharge of the gas station (after effluent has passed through the oil/ water separator) and submit the results to the Agency as a component of the annual report required in condition 7.3. Samples should be obtained when the gas station is fully operational (during / after cleaning).
- 2.3 Maintain an interceptor drain, which must be adequately sloped to collect storm flow.
- 2.4 Ensure that drains are cleared of debris on a regular basis to promote free flow of water.
- 2.5 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.

### 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 institutional limits at a distance of 15 metres (50 ft) from the source or property boundary, whichever is closer.

- Institutional Limits **100 dB** [Day-time (06:00 h -18:00 h)]

3.2 Equip all sound- making devices, e.g. generators 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 At all times utilize the best practicable means of handling, storing and disposing of all waste materials.

4.2 Promote proper solid waste management and disposal practices at your facility. In particular, dispose of waste at the nearest designated waste management site or contract a Disposal Service that services the area to dispose of waste at a designated site. Place covered garbage receptacles at strategic locations around the operation.

4.3 Maintain good house-keeping, sanitary, and hygienic practices and aesthetic quality of your surroundings and regularly clean the surroundings drains of any 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, 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 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 extinguishers, sand buckets ect, 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 Treat and contain spills of even a minor nature with absorbent materials.

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 during refueling exercises.

## 6.0 FUEL, WASTE OIL AND HAZARDOUS WASTE MANAGEMENT

6.1 Store waste oil (recovered from oil-water separator or from servicing of generators) in a covered, bunded area to minimize adverse impacts to the environment in the event of spillage.

6.2 Store all fuel away from ignition sources and have 'No Smoking' signs posted where fuel is handled or stored.

6.3 Dispose of all waste oil in accordance with the Environmental Guidelines, 2011 for the 'Removal, Treatment and Disposal of Oily Sludge' (attached).

6.4 Alternatively 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. Hazardous contaminated absorbent pads can be disposed of by an authorized hazardous waste disposal company.

6.5 All waste oil must be labeled, stored in a bunded area, or disposed by an approved waste oil disposal company or given to chainsaw operators.

6.6 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.

## 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.

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 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.

7.6 Inform the Agency prior to or within **30 days** of any change of name or ownership of the operation.

7.7 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.

## **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 (Authorisations) Regulations, 2000.

8.2 The EPA reserves the right to review/amend the conditions 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.

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

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(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)

8.7 The Permit Holder is obligated to ensure that the Fuel Storages is permitted by other relevant authorities.

8.8 This Operation Permit is effective for the period stipulated herein, **July, 2018 to June, 2023.**

8.9 This Operation Permit shall remain valid until **June 30, 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

8.10 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 **January 31, 2023.**

Signed by  on behalf of the Environmental Protection Agency

Kemraj Parsram  
Executive Director (Ag.)

Date 25.7.2018

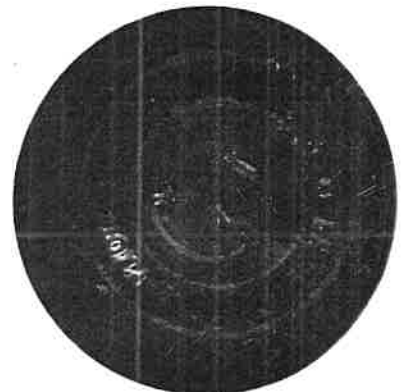
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We hereby accept the above Terms and Conditions upon which this Operation Permit is granted and agree to abide by the Environmental Protection Act, Cap 20:05, Laws of Guyana, the Environmental Protection (Amendment) Act, 2005, the Environmental Protection (Authorisations) Regulations, 2000, and any forthcoming regulations, best practices and standards made under this Act.

NAME	Reep NARIA ARNOZ
DESIGNATION	owner
SIGNATURE	R. Arnold
DATE	2018-11-21

NAME	Nicolette Arnold
DESIGNATION	Owner
SIGNATURE	R. Arnold for Nicolette Arnold
DATE	2018-11-21



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