



**Environmental
Protection
Agency**

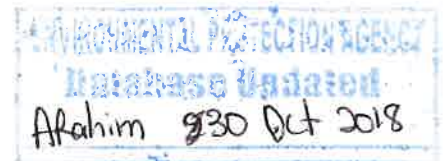
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Operation Permit (Renewed)

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. :	20090624-GOCLO
Fees :	Medium (C2) - US\$4000 (5 years), i.e. US\$800 per year
Fees Paid:	US \$ 4000 (October, 2018 to September, 2023)

Addressee(s): The Guyana Oil Company Limited
191, Camp Street
South Cummingsburg
Georgetown.



Activity: Operation of a Service Station

Palmyra Service Station, trading and operating under the name The Guyana Oil Company Limited, 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 Service Station located at Palmyra Village, East Canje Berbice, hereinafter referred to as the "Project", in a manner indicated in the Renewal Application submitted on February 15, 2018, subject to the terms and conditions set forth herein and any forthcoming regulations made under the said Environmental Protection Act and/or any other applicable laws, best practices, guidelines and standards relevant to this project.

This is a Renewal of the Construction and Operation of a Service Station and Wash Bay Permit, Reference # 20090624-GOCLO, issued on January 14, 2010, and expired on January 31, 2015. This Operation Permit-Renewed is issued pursuant to the Environmental Protection (Authorizations) Regulations, 2000.

Terms and Conditions for the Operation:



Operation Permit (Renewed) - Ref. No.: 20090624-GOCLO

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1.0 OPERATION

- 1.1 Notify the Agency in writing of any proposed changes in operation of the Service 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.

Note: For more information please see **Regulation 20** of the **Environmental Protection (Authorisations) Regulations 2000**.

- 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 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.
- 1.4 Maintain a sump below the fuel dispensers to capture any spillage that may occur from the use of the fuel dispensers.
- 1.5 Ensure that pipe entries under the pump sumps are sealed to prevent fuel leakage into ground and surface water.
- 1.6 In the event that any modification works have to be carried out at the Palmyra Service Station, ensure to route pipelines from tanks to offset filling points, dispensing equipment and vent pipes below the ground surface. Further, ensure that pipelines are not located under buildings. Ensure free access to the pipeline system for easy maintenance.
- 1.7 Continue to maintain an impervious secondary containment wall that should have the capacity to provide at least 110% containment around each above-ground fuel storage tank, creating a temporary holding area in the event of accidental spillage.
- 1.8 Ensure that fuel is stored away from any ignition sources and continue to have 'No Smoking' signs posted where fuel is handled or stored.
- 1.9 Maintain leak detection mechanisms. Maintain at least two (2) of the following leak detection mechanism at the Service Station at all time: overflow alarms on tanks; gauging system; dipstick measurement; water finding paste; sensors on walls of tank and electric shut down buttons.
- 1.10 Ensure that corrosion control measures are in place to prevent the corrosion of under-ground steel tanks and pipe work.

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Operation Permit (Renewed) - Ref. No.: 20090624-GOCLO

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- 1.11 Ensure that fire protection measures are in place and operable in accordance with the requirements of the Guyana Fire Service's (GFS).
- 1.12 Ensure that the connection for the discharge of fuel from oil tank trucks to the fuel storage tanks are properly connected and is done under strict guidance and that the shut-off mechanism is activated in the event of a spill.

2.0 WATER QUALITY

- 2.1 Do 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 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;
 - Total Dissolved Solid (TDS) < 40 mg/L;
- 2.2 Maintain an oil/water separator on site, through which all effluent must pass before final discharge.
- 2.3 Monitor the parameters listed in **condition 2.1** on an annual basis at the point of discharge and submit the results to the Agency as a component of the Annual Environmental Report.
- 2.4 Avoid excessive or inappropriate use of cleaning chemicals. Use of biodegradable/water based cleaning products is encouraged at the Service Station at all times.
- 2.5 Avoid soil and water contamination from fuel, grease, waste oils and other petroleum products. Store all oils, fuel, paints and chemicals in a designated area, 10 m away from watercourses on an impervious base to minimize adverse impacts to the environment in the event of spillage.
- 2.6 Conduct equipment maintenance on an impervious base to prevent fuel spills/leaks. Oil spills should be cleaned-up by the best practicable means, to prevent runoff into the waterways.
- 2.7 Maintain an interceptor drain, which must be adequately sloped to collect storm flow.
- 2.8 Ensure that all the surface drains within the confines of the operation are free-flowing. Regular cleaning of the drainage network and the immediate

environment must be carried-out at all times.

3.0 NOISE ABATEMENT AND AIR QUALITY MANAGEMENT

3.1 Comply with the provisions of the **Environmental Protection (Air Quality) 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*. 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.

Residential Limits: 75 dB during the daytime (06:00 h - 18:00 h)

60 B during the night-time (18:00 h - 06:00 h)

3.3 Ensure 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 and are placed on foundation properly designed to ensure effective damping of vibrations. Additionally, ensure adequate equipment maintenance is provided and obsolete tools and equipment are replaced.

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

3.5 Comply with the *World Health Organisation (WHO) Air Quality Guidelines for Air pollutants in the Environment*, not exceeding the limits below, and not limited to the list of pollutants:

- CO- 9ppm (8h)
- H₂S-10ppm (8h)
- NO₂-0.1ppm
- VOC-100 ppm

3.6 Conduct Air Quality Monitoring for the parameter listed in condition 3.6 on a quarterly basis. Proposed sample points should be submitted to the EPA for approval prior to monitoring and a monitoring report should be submitted to the Agency as part submission of the required annual report referred Monitoring and Compliance to in condition.

4.0 HAZARDOUS WASTE / MATERIALS MANAGEMENT

4.1 Adhere to the provisions of the Environmental Protection (Hazardous Wastes Management) Regulations, 2000.

4.1.1 Establish and maintain a register of hazardous materials or chemicals used or generated as a result of the operation of the Service Station.

4.1.2 There shall be no release of any pollutants (i.e. fuel, waste oil) to ground water or soil from permitted installation. Accidental release of pollutants to soil and ground water should be recorded and be reported within twenty-four (24) hrs to the Agency for further investigation.

4.1.3 Where applicable, 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. The report shall include:

- a) The identification information of the facility.
- b) Type and quantities of hazardous waste generated.
- c) Data concerning off-site shipments of waste.
- d) Any applied treatment standards.
- e) A summary of any accidents that may have occurred and any action taken.
- f) Any waste minimization efforts undertaken by the generator.
- g) A pollution prevention plan for the facility.
- h) 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 of Hazardous Wastes to be controlled.**

4.2 Prepare and submit to the Agency an **Emergency Response Plan** for approval by the Agency within three (3) months of the receipt of the Operation Permit (Renewed). The plan shall include:

- a) The accident prevention procedures.
- b) First person response.
- c) Notification procedures.
- d) Location of clean-up equipment.
- e) An analysis of potential accident and responses.
- f) Material safety data sheets for all materials which could be spilled.

4.3 Keep on site books, documents, records or things showing, as the case may be:

- a) The amount of hazardous wastes generated, stored, treated, transported or disposed of.

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- b) The dates pertinent to the activities referred to above.
 - c) Signed copies of manifests.
 - d) Records of test results, waste analyses, permit and standard conditions required by any authorization.
 - e) And any information as the Agency may require.
- 4.4 Ensure that oil/fuel containment absorbent materials are appropriately stored in slop tanks and disposed of in a manner approved by the Agency.
- 4.5 Store any contaminated fuel in closed leak proof containers and label slop tanks 'Waste Gasoline or Diesel Fuel'.
- 4.6 Ensure that an appropriate spill containment kit is located at the Service Station. The kit should contain absorbent material to absorb spilt oil and other liquids.
- 4.7 Store used oil in a covered, bunded area to minimise adverse impacts to the environment in the event of spillage. The bunded area must be able to provide containment for the maximum volume of used oil stored on site.
- 4.8 Ensure all pumps, underground tanks and dispensers are inspected regularly for leak detection.
- 4.9 Label, store and dispose or reuse oil and batteries in an environmentally acceptable manner.

5.0 WASTE MANAGEMENT

- 5.1 Ensure effective management of recoverable materials and that all waste generated by the project is in accordance with the EP Act, Cap 20:05 part V s. 19(1)(2)(3)(4): s. 20(1)(2).
- 5.2 Ensure good sanitation and solid waste disposal practices are carried-out on site at all times; 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.
- 5.3 Promote waste minimization and the reuse and/or recycling of waste material and other suitable materials when practical.
- 5.4 Maintain a septic tank system on site. 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*.

6.0 COMPLIANCE MONITORING AND REPORTING

- 6.1 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.
- 6.2 Monitor the implementation of the conditions of this **Operation Permit (Renewed)**, insofar as they involve adherence by employees and all third parties under your direction.
- 6.3 Conform to all terms and conditions under which this Permit is granted and shall be liable for any loss or damage which arises from the project as a result of the Permit Holder's activities or breach of any term or condition of this Permit.
- 6.4 Report to the Agency of non-compliance with the **Operation Permit (Renewed)**:
 - 6.4.1 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.
 - 6.4.2 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.
 - 6.4.3 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.
- 6.5 Submit to the EPA, the Petroleum License from the Guyana Energy Agency (GEA) within **one (1) week** of issuance.
- 6.6 Submit **Environmental Annual Reports** to the EPA on or before **March 31** every year on your compliance with this Permit (Please see attached, *Guidelines for the Preparation of Environmental Annual Reports*).
- 6.7 Notify the EPA within **twenty-four (24) hours** of the occurrence of any environmental emergencies such as a sudden onset of 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.
- 6.8 Notify the EPA of non-compliance with this Permit upon becoming aware of violation.
- 6.9 Inform the Agency prior to or within **thirty (30) days** of any change of name or ownership of the operation.

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- 6.10 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.
- 6.11 Notify the EPA within **twenty-four (24)** 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.

7.0 INSTITUTIONAL AUTHORITY AND LIABILITIES

- 7.1 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.
- 7.2 The EPA reserves the right to review and/or amend the conditions and fees attached to this Permit.
- 7.3 The EPA shall have the right to cancel or suspend this Permit for breach of any of the terms and conditions contained herein.
- 7.4 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.
- 7.5 This **Operation Permit (Renewed)** is not the final consent; all relevant permissions should be obtained from other regulatory bodies for continued operation.
- 7.6 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 Authorisation which are attributed to the Project. S. 19(1) EP Act, Cap. 20:05.
- 7.7 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."
- 7.8 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.

Operation Permit (Renewed) - Ref. No.: 20090624-GOCLO

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- 7.9 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).
- 7.10 Should the Permit Holder contravene or is likely to contravene any condition of this Permit, the Agency (EPA) may serve on him an enforcement notice in accordance with s. 26 of the EP Act Cap. 20:05.
- 7.11 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.
- 7.12 Where it appears to the Agency (EPA) that the Permit Holder is engage in any activity that may pose serious threat to natural resources or serious pollution of the Environment or any damage to public health, issue to the Permit Holder a Prohibition Notice Order to immediately cease the offending activity. S. 27 EP Act, Cap. 20:05. Where the Permit Holder in accordance with s. 19(3) is found liable for the contaminant or for the process involving the contaminant or who causes or permits a discharge as aforementioned in relation to above, shall:
- Immediately notify the Agency of the discharge;
 - Concentration and amount of contaminant;
 - Circumstances of the discharge; and
 - What action he/she has taken or intends to take to restore the natural environment; and
 - Be liable to pay for the cost of an independent investigation into the discharge.
- 7.13 Failure to comply with the requirements of this Permit shall render the Permit Holder liable to prosecution and to civil penalties and/or injunctive reliefs prescribed under the Environmental Protection Act, Cap. 20:05, the Environmental Protection (Amendment) Act 2005, and the Environmental Protection (Authorisations) Regulations 2000, including under any existing and forthcoming regulations made under the said Act or any other applicable Laws of Guyana.
- 7.14 This Operation Permit (Renewed) is valid for the period stipulated herein **(October, 2018 to September, 2023)**. This Operation Permit (Renewed) shall remain valid until **September 30, 2023**, unless otherwise suspended or revoked in accordance with the provisions of this Permit or the Environmental Protection Act, Cap. 20:05, the Environmental Protection (Amendment) Act, 2005, and the Environmental Protection (Authorisations) Regulations, 2000.
- 7.15 This Operation Permit (Renewed) 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 01, 2023**

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Signed by Sharifah Lazack on behalf of the Environmental Protection Agency.
for Dr Vincent Adams
Executive Director
Environmental Protection Agency

Date: 2018.10.12

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

NAME:	Allana Heeralall
DATE:	2018-10-23 rd
DESIGNATION:	Health, Safety & Environmental Officer
SIGNATURE:	<i>A. Heeralall</i>

