



## Environmental Protection Agency

Ganges Street, Sophia,  
Georgetown, GUYANA  
Tel.: (592) 225-5467/5468/5469  
Fax: (592) 225-5481  
Email: [epa@epaguyana.org](mailto:epa@epaguyana.org)  
Website: <http://www.epaguyana.org>

# 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, respectively.

Reference No.:	20120829-SIGSO
Fee:	Small (C1) - US\$500 (5 years), i.e. US\$100 per year
Fees Paid:	USD 500 (April, 2018 – March 2023)
Address:	Mr Timothy Fisher Proprietor Slag Inc. 521, Cancas City Wismar Linden
Activity:	Operation of a Gas Station and Supermarket

Timothy Fisher, trading and operating under the name, Slag Inc., 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, respectively, to operate a Gas Station and Supermarket located at Tract Slag, Glass Factory Road, Soesdyke/Linden Highway, hereinafter referred to as the "Project", in a manner indicated in the Application for Environmental Authorisation submitted on August 29, 2012, and subject to the terms and conditions set forth herein and any forthcoming regulations, guidelines, best practices and standards relevant to this project.

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

#### 1.0 GENERAL

- 1.1 The operator shall notify the Agency in writing of any proposed changes in operation of the installation 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. Some Examples may be but not limited to:

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

A KP

- 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 Gas Station in a manner that will cause minimal adverse impact on public health and the environment.
- 1.3 Adopt and comply with the Guyana National Bureau of Standards "*Guidelines 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 good house-keeping, sanitary and hygienic practices, and improvement in the aesthetic quality of the surroundings at all times.

## 2.0 WATER QUALITY

- 2.1 Ensure that effluent discharges from the Service Station into the environment are 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 Service Station and should not be exceeded:
- pH 5.0 - 9.0;
  - Temp <40°C;
  - Total Suspended Solid (TSS) <100 mg/L;
  - Oil & Grease < 20 mg/L.
- 2.2 Monitor the parameters listed in condition 2.1 at the discharge point of the service station into the main drain on an annual basis. The results should be submitted annually as part submission of the annual report.
- 2.3 Maintain an oil/water separator through which all effluent must pass before final discharge.
- 2.4 Maintain an impervious secondary containment walls 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.
- 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 LAND MANAGEMENT/ INFRASTRUCTURE**

#### **Underground Storage Tanks (UST)**

- 3.1 Ensure that each tank has a functionally leak and overfill protection system in place.
- 3.2 All metallic components (such as tanks, piping, and joints) in contact with soil must have corrosion protection.
- 3.3 During temporary or permanent closure of USTs, tanks must follow proper closure requirements.
- 3.4 Consult the Guyana Water Incorporated (GWI) for guidance on siting/designs related to components such as but not limited to the following:
  - Storage tanks
  - Storm water drains

#### **Above -ground storage tanks (AST)**

- 3.5 Ensure that ASTs are located in impervious bunds so as to reduce the risk of groundwater and land contamination. Bund walls should be used to divert storm-water away from storage areas. Storage areas should be located away from waterways and areas prone to flooding.
- 3.6 Ensure that AST have impervious impoundments with a storage capacity of 110% of the largest storage tank.
- 3.7 Buried Piping must be protectively wrapped and/or coated to prevent corrosion, and periodically tested for structural integrity
- 3.8 Routinely monitor AST to ensure they are not leaking. Areas to inspect include tank foundation, connections, coatings, tanks walls, and piping systems.
- 3.9 Construct a sump below the fuel dispensers to capture any spillage that may occur.
- 3.10 Ensure that pipe entries under the pump sumps are sealed to prevent fuel leakage into ground and surface water.
- 3.11 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 pipeline system for easy maintenance.
- 3.12 Maintain all leak detection mechanisms. Overflow alarms on tanks; gauging system; dipstick measurements; sensors on walls of tank and electric shut down buttons.

3.13 Ensure that corrosion control measures are in place to prevent the corrosion of underground steel tanks and pipe work.

3.14 Ensure Fuels and waste oils are managed to ensure safety in handling and the prevention of spills at the storage and operating site(s).

#### 4.0 NOISE MANAGEMENT

4.1 Handle and store liquid fuel in such a manner so as to prevent the emission of offensive odors to the air outside the property boundary.

4.2 Monitor any malfunction or breakdown leading to abnormal emissions promptly and process operations adjusted until normal operations can be restored.

4.3 Ensure visual and odorous assessments of emissions are made frequently during the working day. Remedial action must be taken immediately in the case of abnormal emissions.

4.4 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)]

4.5 Ensure all significant noise-producing equipment, e.g. generators, etc. are equipped with appropriate silencers or mufflers and/or are enclosed in suitable acoustic enclosures where necessary to reduce noise levels impacting the surrounding environment to achieve compliance with GNBS requirement.

4.6 Ensure that the exhaust stacks of the generator are of an appropriate height, above the tallest building nearby, to minimize adverse fumes/soot impacts to surrounding areas.

4.7 Ensure that the generators and machines/equipment are regularly serviced to ensure efficiency and reduce the level of noise produced. Maintenance activities of generators, machines or equipment should be scheduled on a regular basis to avoid inefficiencies and noxious emissions.

#### 5.0 WASTE MANAGEMENT AND HAZARDOUS MATERIALS

5.1 Promote good sanitation and solid waste disposal practices on site. Covered garbage receptacles must be placed at strategic locations at the facility. All wastes (food and others) must be collected and disposed of at an approved waste disposal facility.

5.2 Promote waste minimization and the reuse and/or recycling of waste material and other suitable materials when practical.

- 5.3 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*.
- 5.4 Adhere to the provisions of the Environmental Protection (Hazardous Wastes Management) Regulations, 2000.
- 5.5 Ensure that oil/fuel containment adsorbent materials are appropriately stored in slop tanks and disposed of in a manner approved by the EPA.
- 5.6 Store all fuel away from ignition sources and have 'No Smoking' signs posted where fuel is handled or stored.
- 5.7 Store any contaminated fuel in closed leak proof containers and label slop tanks 'waste fuel'.
- 5.8 Store all fuel waste above ground level to allow easy maintenance and leak detection.
- 5.9 Avoid soil and water contamination from fuel, grease, waste oils and other petroleum products.
- 5.10 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.
- 5.11 Store fuel in a cool, dry place, away from any motor driven machine that can cause sparks.
- 5.12 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.
- 5.13 Ensure environmentally-sound guidelines are followed when cleaning and disposing of oily waste.
- 5.14 Store waste oil in a covered, bunded area to minimize adverse impacts to the environment in the event of spillage. The bunded area must be able to provide containment for the maximum volume of waste oil on site.
- 5.15 Ensure that an appropriate spill containment kit is located at the Gas Station. The kit should contain absorbent material to absorb spilt oil and other liquids.

## **6.0 COMPLIANCE MONITORING AND REPORTING**

- 6.1 Notify the Environmental Protection Agency within 24 hours of the occurrence of any environmental emergencies.
- 6.2 Monitor the implementation of the conditions of this Permit, insofar as they involve adherence by your employees and all other third parties under your direction.
- 6.3 Ensure all employees are trained in good environmental management practices and of their obligations under the Permit.
- 6.4 Notify the Agency of non-compliance with this Permit upon becoming aware of violation.
- 6.5 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.
- 6.6 Submit Environmental 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 reporting format.
- 6.7 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.
- 6.8 Provide adequate fire protection measures in accordance with the requirements for the Guyana Fire Service.
- 6.9 Ensure no recreational activities are conducted on site (i.e bar-b-ques, limes, public gatherings, etc).

## **7.0 INSTITUTIONAL AUTHORITY/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, the Environmental Protection (Amendment) Act, 2005, and the Environmental Protection Regulations, 2000,


respectively.

- 7.2 The EPA reserves the right to review and /or 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.
- 7.3 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.
- 7.4 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 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.
- 7.6 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.”
- 7.7 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.
- 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.
- 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 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.
- 7.11 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.

Operation Permit Ref. No. 20120829-SIGSO

(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, respectively).

- 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.
- 7.13 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, the Environmental Protection (Amendment) Act, 2005, and the Environmental Protection Regulations, 2000.
- 7.14 The Permit Holder is obligated to ensure that the Gas Station is permitted by other relevant authorities.
- 7.15 The Permit is effective for the period stipulated herein **(April, 2018 to March, 2023)**.
- 7.16 This Operation Permit shall remain valid until **March 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 Regulations, 2000, respectively.
- 7.17 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 **September 30, 2022**.

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

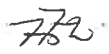
Date 14.5.2018

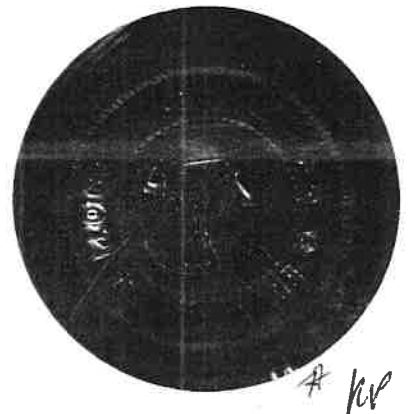


Operation Permit Ref. No. 20120829-SIGSO

(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, respectively).

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

NAME	TIMOTHY FISHER.
DESIGNATION	DIRECTOR / SECRETARY.
DATE	2018 - 06 - 19
SIGNATURE	



# KP