



**Environmental  
Protection  
Agency**

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## **Environmental 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.:	20210422-FIGSF
Fee:	Small (C1) – US \$500 (1 year)
Fee paid:	Small (C1) – US \$ 500 (October , 2021 – September, 2022)
Address:	Feroz Ishawk Proprietor Lot 3-6 No. 6 Village, West Coast, Berbice, Guyana.
Activity	Construction and Operation of a Gas Station and Convenience Store

ENVIRONMENTAL PROTECTION AGENCY  
Database Updated

*E. Galin* 05/07/22

Mr. Feroz Ishawk, 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 (Authorizations’) Regulations, 2000, to construct and operate a Gas Station and Convenience Store located at Lot 5 Public Road, Foulis, East Coast Demerara, hereinafter referred to as the “Project”, in a manner indicated in the Application submitted on May 11, 2021, 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 construction and operation to be adhered to by the Permit Holder, his servant(s), agent(s) and/or sub-contractor(s):

### **1.0 CONSTRUCTION\INFRASTRUCTURE**

- 1.1 Notify the Agency in writing and obtain its approval for **ANY** proposed changes in construction of the Service Station **at least 14 days before making the change**. The notification shall contain **a description of the proposed change in construction**. 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 construction**’ means a change in the nature or functioning, or an extension, of the installation, which may have

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consequences for the environment, including, but not limited to, the following:

- 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 Utilize the land in accordance with the approved site plan, all specifications of location, pathways, reserve and boundary lines must be adhered to, unless otherwise authorized.
  - 1.3 Avoid construction works between 18:00 h and 06:00 h on any day. The Permit Holder must strictly abide with the Part III of the Environmental Noise Management Regulations.
  - 1.4 Ensure that all construction works at the Project site are conducted in accordance with the Drainage & Irrigation Laws of Guyana. Cap.64:03
  - 1.5 Identify suitable areas on the site for material stockpile and equipment during construction.
  - 1.6 Ensure that all building\construction materials stored in tiers are stacked, racked, blocked, interlocked, or otherwise secured to prevent sliding, falling or collapse.
  - 1.7 Remove all construction tools, equipment, machinery and waste material(s) from site on the completion of construction works.
  - 1.8 Construct adequate drainage system at the facility and ensure that the land is level and appropriately built up to avoid floods and contamination of the receiving waters.
  - 1.9 The Service Station shall be constructed on properties that have the minimum required setbacks distance as follows:

Underground Storage Tanks (UST's):

- i. A minimum of fifteen (15) feet away from any building within the compound;
- ii. A minimum of thirty (30) feet away from the property line; and
- iii. Should be covered with a minimum of three (3) feet of earth and six (6) inch thick concrete reinforce powered slab.

Aboveground (Storage) Tanks (AST's):

- i. A minimum of thirty (30) feet away from any building within the compound;
  - ii. A minimum of Three hundred (300) feet away from the property line; and
  - iii. If proposed location is situated within an urban industrial/commercial area and impossible to meet requirements, then the developer must comply with the requirements outlined below with regards to Under Ground Tanks or Vaulted above Ground Tanks.
- 1.10 The Service station must be appropriately designed for its intended purpose, including, for example, but not limited to; safety, life span, corrosion resistance and maintenance, ease of access, ease of refilling and with the least number of environmental impacts possible.
- 1.11 Adopt and strictly comply with the National Standard "Guidance for the Design, Construction, Modification, and Maintenance of Petrol Filling Stations" and any forthcoming code of practice and/or guidelines pertaining to the operation of Gas Stations.
- 1.12 **Prior to installation of the above-ground and under-ground double wall storage tanks the Permit Holder is required to provide information including:**
  - Letter from fabricator confirming that he/she was contracted to fabricate tanks and associated works/services;
  - Detailed design, drawings and specifications of foundation where tanks are resting;
  - Detailed design, drawings, specifications, methodology of tanks being fabricated, pipes used, valves and accessories;
  - Mill Test certificates of all steel used for fabrication of tanks and also pipe specifications;
  - Non- Destructive Test certificate or other test to verify the quality and integrity of the welds; and
  - Pressure test certificate on tanks, pipes and valves.
- 1.13 Construct an impervious secondary containment wall around the above-ground fuel storage tanks, creating a temporary holding area in the event of accidental spillage. The containment wall for areas with multiple tanks should have the capacity to provide at least 110% containment of the largest tank. The containment wall for areas with solitary tank should have the capacity to provide 110% containment of the fuel tank. The containment wall must be fully sealed to prevent spillage into the receiving drainage system.
- 1.14 Ensure that corrosion control measures are in place to prevent the corrosion of Under-ground Storage Tanks (UST's) and Above-ground Storage Tank s (AST's) steel tanks and pipe work.

- 1.15 Construct an interceptor drain, which must be adequately sloped to collect storm flow.
- 1.16 Adopt and strictly comply with the Guyana National Bureau of Standards (GNBS) *Guidelines for the Design, Construction, Modification, and Maintenance of Petrol Filling Stations*, and any forthcoming code of practice and/or guidelines pertaining to the operation of service stations.
- 1.17 Install a sump below the fuel dispensers to capture any spillage that may occur.
- 1.18 Ensure pipe entries under the pump sumps are sealed to prevent fuel leakage into ground and surface water.
- 1.19 Ensure during construction that the 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.
- 1.20 Install leak detection mechanisms. At least two (2) of the following measures should be taken into consideration and adopted:
  - Overflow alarms on tanks;
  - Gauging system;
  - Sensors on walls of tank; or
  - Electric shut down buttons.

## **2.0 EMPLOYEES, OCCUPATIONAL HEALTH AND SAFETY**

- 2.1 Ensure that employees are well equipped with appropriate protective gears during construction such as protective head gear, respirators, safety vests, construction boots, etc. Employees should at all times be well-protected.
- 2.2 Provide a well-equipped first aid kit at all primary work sites and ensure that functional communication and transportation systems are in place to respond to emergencies.
- 2.3 Strictly adhere to the requirements of the Occupational Health and Safety Act. Cap 99:10 to ensure that employees' health and safety are protected.
- 2.4 Practice the use of caution signs to warn against potential hazards or to caution against unsafe practices.
- 2.5 Protect employees from excavated or other materials or equipment that could pose a hazard by falling or rolling into excavations. Protection shall be provided by placing and keeping such materials or equipment at least 2 feet from the edge of excavations, or by the use of retaining devices that are sufficient to prevent

materials or equipment from falling or rolling into excavations, or by a combination of both if necessary.

- 2.6 Ensure all employees and/or third party contractors are aware of the Conditions of this Environmental Permit and provide training on good environmental management practices. Prepare and maintain a training file for employees which should be available upon request by Officers of the Agency during a Compliance Inspection.

### **3.0 SEDIMENT AND EROSION CONTROL MANAGEMENT**

- 3.1 During construction of the gas station the permit holder shall avoid soil and water contamination from fuel, grease, waste oils and other petroleum products that might be used at the construction site. Store all oils, fuel, paints and chemicals in a designated area, away from all watercourses and drainage channels.
- 3.2 Conduct equipment refuelling, maintenance and placement on an impervious base to prevent fuel spills/leaks. Oil spills should be cleaned-up by the best practicable means, to prevent runoff into any watercourse within the project's area of influence.
- 3.3 All waste water shall pass through oil separation and sand traps prior to discharge.
- 3.4 Conduct a baseline sampling and analysis of the above parameters at the final point of discharge of waste water from the facility.
- 3.5 Construct and maintain drainage systems capable of handling the probable maximum precipitation storm event.
- 3.6 Do not discharge waste water effluents directly into receiving waters without prior treatment; maintain an oil-water separator at a strategic location in the area through which all effluent must pass before final discharge.

### **4.0 GROUNDWATER MONITORING WELL INSTALLATION**

- 4.1 Install a **minimum of three (3) groundwater monitoring wells** around the storage facility within **six (6) months** of receipt of this permit. The groundwater monitoring wells shall be inspected to assess any potential leaks and impacts to groundwater. Submit a groundwater monitoring plan which should include location and design of wells, for review and approval by the Agency.
- 4.2 The groundwater monitoring wells shall be installed by a licensed well drilling company.



## 5.0 ROAD DEVELOPMENT AND MANAGEMENT

- 5.1 Avoid road traffic hazards or unnecessary inconveniences to the general public through appropriate planning and management of the construction site.
- 5.2 Maintain all active roads/trails leading to the construction site. Fill in ruts and holes that develop during road/trail use with suitable material (such as compacted fill), to reduce the potential for erosion.
- 5.3 Seek the necessary assistance from the Local Authority and Ministry of Public Infrastructure should the road(s) require upgrade and improvement to withstand foreseeable transport capacities and magnitude.
- 5.4 Ensure that trucks are equipped with the necessary signage to reflect warning of impending danger of parked or moving trucks with construction materials.
- 5.5 Ensure that impassable road conditions during the wet seasons are monitored and alleviated to disallow further degradation of road conditions (e.g. rutting). The frequencies and magnitude of trucking activities or any other heavy machinery should be planned consistent with benign climatic characteristics of the location.

## OPERATION

### 6.0 AIR QUALITY AND NOISE MANAGEMENT

- 6.1 Strictly adhere to the provisions of the Environmental Protection (Air Quality) Regulations 2000 and the Environmental Protection (Noise Management) Regulations, 2000.
- 6.2 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.
- 6.3 Promptly monitor any malfunction or breakdown leading to abnormal emissions. Adjust process until normal operations can be restored.
- 6.4 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 (50ft) 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)

- 6.5 Ensure that all sound-making devices, such as generators, are suitably enclosed 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.

- 6.6 Ensure that the exhaust stacks of the generator(s) are at least 2 meters above the generator house or the tallest building nearby, to minimise adverse fumes/soot impacts to the contiguous areas.
- 6.7 Ensure all equipment and machinery are placed on foundation properly designed to ensure effective damping of vibration.
- 6.8 Implement a vapor recovery system for the off-loading of bulk fuel on site. Measures to reduce loading/offloading emissions include selection of alternate loading methods and application of vapor recovery equipment.
- 6.9 Strictly comply with the *World Health Organization (WHO) Air Quality Guidelines for Particulate Matter in the Environment*, not exceeding the limits below:
- PM<sub>2.5</sub>:** 10µg/m<sup>3</sup> annual mean  
25 µg/m<sup>3</sup> 24-hour mean
- PM<sub>10</sub>:** 20µg/m<sup>3</sup> annual mean  
50 µg/m<sup>3</sup> 24-hour mean

## 7.0 WASTE MANAGEMENT

- 7.1 In accordance with the Environmental Protection (Litter Enforcement) Regulations, 2013, promote good sanitation and solid waste disposal practices on site; covered garbage receptacles must be placed at strategic locations at the facility. Waste must be collected and disposed of by an approved waste disposal facility.
- 7.2 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 tank 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*.
- 7.3 Maintain good housekeeping, sanitary and hygienic practices and the aesthetic quality of your surroundings at all times.
- 7.4 Establish and maintain a waste disposal manifest; details must include:
- i. Type(s) of waste produce;
  - ii. Quantity of waste; storage method, etc.

## 8.0 ENVIRONMENTAL EMERGENCY RESPONSE

- 8.1 Submit to the Agency within three (3) months of receipt of this Permit, an Emergency Preparedness Plan for approval by the Agency. This Plan must be communicated to staff and contractor(s) of the facility and shall include but not limited:
- i. Accident Prevention Procedures;
  - ii. First Person Response;
  - iii. Notification Procedures;
  - iv. Location of clean-up equipment;
  - v. An analysis of potential accidents and response; and
  - vi. Materials safety data sheet for all materials which could be spilled.
- 8.2 Submit to the Agency a notification and Clean-up Plan for the facility in the event of a spill. Clean-up Plan must include details of the location of all materials stored on site as well as notification and clean-up measures for each area of the operation in the event of a spill. This clean-up plan must be updated annually.
- 8.3 Provide adequate fire protection measures such as maintaining and placing serviceable firefighting equipment such as fire extinguisher(s), sand bucket(s), at several visible location on site, in accordance with guidelines established by the Guyana Fire Service; and obtain approval from the said institution.
- 8.4 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.
- 8.5 Ensure that a spill containment kit is on site and easily accessible at the Gas station at all times; which kit should contain absorbent material(s), drain seals, disposal containers and absorbent spilt pads, etc.

## 9.0 COMPLIANCE, MONITORING AND REPORTING

- 9.1 Monitor the implementation of the conditions of this Permit, in so far as they involve adherence by the Permit Holder, his/her employees and all third parties under the Permit Holder's direction.
- 9.2 The permit holder must submit **Annual Reports** to the Agency 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.
- 9.3 Strictly comply with any lawful directions given by the Agency from time-to-time in furtherance of the implementation of any obligations of Guyana under any treaty or international law relating to the environmental protection.
- 9.4 Inform the Agency prior to or within **thirty (30) days** of any change of name or



ownership of the operation.

- 9.5 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.
- 9.6 Notify the Agency **within one (1) hour** 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.

## **10.0 INSTITUTIONAL AUTHORITY \LIABILITIES**

- 10.1 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 this Operation Permit, which are attributed to the Project, pursuant to s. 39 and s. 19 (1) and (2) of the Environmental Protection Act, Cap. 20:05, Laws of Guyana.
- 10.2 The Permit holder shall be guilty of an offence in accordance with s. 39 (1), (2), (3) and (4) of the Environmental Protection Act, Cap. 20:05, Laws of Guyana, which attribute liability for causing 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. If found guilty of an offence the Permit Holder shall be liable to the penalties prescribed under the said Act.
- 10.3 The Permit Holder shall compensate any Party who suffers any loss or damage as a result of the attributed Project (See: s. 19 (3)(e) of the Environmental Protection Act, Cap. 20:05, Laws of Guyana.)
- 10.4 The Permit Holder shall not be indemnified by the Agency for any activity that causes or is likely to cause pollution to the environment, resulting from adverse effects through the discharge, any contaminant in any amount, concentration, ultra hazardous substances, chemicals or otherwise, and shall be rendered liable to prosecution and to penalties prescribed under the Environmental Protection Act and Regulations.
- 10.5 The Permit Holder shall be liable of any gross negligence or willful misconduct caused by the Permit Holder, his Servants and/or Agents, to the environment, biodiversity, protected species and natural habitat with respect to any release, discharge, or spill, of contaminant fluids, oil or lubricants.
- 10.6 The 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's lack of due care or diligence.

- 10.7 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 Section 26 of the Environmental Protection Act, Cap. 20:05, Laws of Guyana.
- 10.8 Where it appears to the Agency 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 may issue to the Permit Holder a Prohibition Notice, which may order him to immediately cease the offending activity, in accordance with Section 27 of the Environmental Protection Act, Cap. 20:05, Laws of Guyana.
- 10.9 The EPA reserves the right to conduct regular inspections of the Permit Holder's construction activities as part of its monitoring and enforcement requirements under the Environmental Protection Act, Cap 20:05, and the Environmental Protection (Amendment) Act, 2005, and Environmental Protection (Authorisations) Regulations, 2000.
- 10.10 The Permit Holder, His Servants and/or Agents 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. Pursuant to Section 38 of the Environmental Protection Act, Cap. 20:05, Laws of Guyana, it is an offence to assault, obstruct or hinder an authorised person in the execution of his/her duty under the said Act or its Regulations and the Permit Holder shall be liable to penalties prescribed under paragraph (c) of the Fifth Schedule for doing so.
- 10.11 The Permit Holder shall provide to the Agency yearly, updated contact information and updated documentations for the Service Station
- 10.12 The EPA shall have the right to cancel or suspend this Permit for breach of any of the terms and conditions contained herein.
- 10.13 The Permit Holder is obligated to ensure that the Gas Station is permitted by other relevant authorities.
- 10.14 This Environmental Permit is effective for the period stipulated herein, **October, 2021 to September, 2022.**
- 10.15 This Environmental Permit shall remain valid until **September 30, 2022**, unless otherwise suspended, cancelled, modified or varied, 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 (Authorisations) Regulations, 2000.
- 10.16 This Permit must be renewed by submitting "an Application for Renewal of Environmental Authorisation to the Agency at least six (6) months before this Permit

**Environmental Permit Ref. No. 20210422-FIGSF**  
**(Issued under of the Environmental Protection Act, Cap. 20:05, Laws of Guyana, Environmental Protection (Amendment) Act, 2005, and the Environmental Protection (Authorisations) Regulations, 2000)**

expires, that is, no later than **April 30, 2022**.

- 10.17 Any late submission of the application required by Condition 10.14 beyond the date specified therein, the agency may require the Permit Holder to pay, in addition to the application fee, a late penalty fee (accruing at the time such obligation was first owed for renewal) at a rate of two thousand dollars (GY\$2,000.00) per day for every business day late, until such application is submitted to the Agency, without prejudice to any other rights of the Permit Holder in connection therewith.
- 10.18 Failure to comply with the requirements of this Permit or with applicable laws and regulations, whether existing or forthcoming, shall render the Permit Holder liable to prosecution and to penalties, inclusive of civil penalties, injunctive relief and imprisonment, as prescribed under the Environmental Protection Act, Cap. 20:05, Laws of Guyana, the Environmental Protection Regulations and other applicable laws of Guyana.

Signed by  
Agency.



\_\_\_\_\_ on behalf of the Environmental Protection

Date

28-9-2021

**I hereby accept the above terms and conditions upon which this Environmental 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, all subsidiary legislations made under the said Act and any forthcoming regulations, best practices and standards made under this Act.**

<b>NAME</b>	FEROZ ISHAWK
<b>DESIGNATION</b>	FEROZ SERVICE STATION
<b>SIGNATURE</b>	
<b>DATE</b>	21-10-2021

