



**Environmental
Protection
Agency**

Ganges Street, Sophia,
Georgetown, GUYANA
Tel.: (592) 225-0506
Fax: (592) 225-5481
Email: epa@epaguyana.org
Website: <http://www.epaguyana.org>

Environmental 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.:	20150416-MRFSO
Fee:	Small (C1) - US\$100 per year
Fee Paid:	US\$500 for Five (5) Years (January, 2022 - December 2026)
Addressee:	Ms. Mary Rogers Director Tristar Industries Inc. 95-99 Commercial Boulevard, Happy Acres, East Coast Demerara.
Activity:	Operation of a Fuel Storage Facility

Ms. Mary Rogers, hereinafter referred to as the "Permit Holder", is hereby authorised in accordance with the Environmental Protection Act, Cap. 20:05, the Environmental Protection (Amendment) Act, 2005, and the Environmental Protection (Authorisations) Regulations, 2000, to operate a Fuel Storage Facility at 95-99 Commercial Boulevard, Happy Acres, East Coast Demerara, hereinafter referred to as the "Project", in a manner indicated in the Application for Environmental Authorisation submitted on June 29, 2021, and subject to the terms and conditions set forth herein under the Environmental Protection Act, Cap. 20:05, existing and/or forthcoming regulations made under the said Act, and/or any other applicable laws, guidelines, best practices and standards relevant to this project.

This is a Renewal of the Operation Permit, Reference No. 20150416-MRFSO, issued on April 26, 2016 and expired on March 31, 2021. This Environmental Permit (Renewed) is issued pursuant to the Environmental Protection (Authorisations) Regulations, 2000.

Terms and Conditions for Operation to be adhered to by Permit Holder, His servant(s), agent(s) and/ or sub- contractor(s):

1.0 OPERATION

- 1.1 Strictly adhere to the **Occupational, Health and Safety (OHS) Act, Cap. 99:10, Laws of Guyana.**
- 1.2 Make an application to the Agency to vary this Environmental Permit (Renewed) in instances where it becomes necessary to:

[Handwritten signature] 3-6-22

Environmental Permit (Renewed) Ref. No. 20150416-MRFSO

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.

- i. Change the construction, operation, structure, or layout of the facility and all associated buildings;
 - ii. Change equipment, machine, apparatus, mechanism, system or technology serving the facility;
 - iii. Change the position and design of any outlet at the point or points of discharge of effluents; or
 - iv. Affect any other change outlined in Regulation 20(3) of the Environmental Protection (Authorisations) Regulations.
- 1.3 Develop and implement an appropriate Operation and Maintenance Standard Operation Procedure (SOP) for the Project. The SOP should address all aspects of the on-going fuel storage facility and its operation including but not limited to:
 - i. maintenance and inspection schedules;
 - ii. monitoring/investigation procedures;
 - iii. emergency response plan;
 - iv. management of waste oil;
 - v. fuel transfer operations; and
 - vi. training of staff on the SOPs.
- 1.4 The Operation and Maintenance Manual shall be submitted to the EPA for review and approval **within three (3) months of receipt** of Environmental Permit.
- 1.5 A register of the types and quantities of fuel and associated hazardous materials stored onsite shall be established and maintained. The registered information shall be submitted to the Agency as a component of the **Annual Environmental Report** required in **condition 7.6**.
- 1.6 Fuel shall at all times be stored above ground, in a cool, dry place and away from ignition sources. **'No Smoking'** signs shall be posted where fuel is handled or stored.
- 1.7 Guyana Fire Service Approval shall be maintained annually and submitted as a component of the **Annual Report**.
- 1.8 The Project shall maintain fire prevention and control equipment in accordance with the Guyana Fire Service Approval.
- 1.9 Emergency spill cleanup kits shall be readily available, accessible and maintained at the Project Site. Kits must contain absorbent materials, drain seals and other appropriate tools for clean-up of potential spills.
- 1.10 Make all employees, and third parties under your direction, aware of the conditions of the Environmental Authorisation and provide training on good environmental practices.

[Handwritten signature] 3-6-22

2.0 FUEL HANDLING AND STORAGE

- 2.1 Adopt and comply with the Guyana National Bureau Standard (GNBS) "*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.
- 2.2 Existing secondary containment around the fuel tank shall be inspected monthly for cracks and breakage to ensure they are liquid tight to withstand hydrostatic pressure of any contained liquid when full. A summarised inspection report shall be submitted to the Agency as a component of the **Annual Report**.
- 2.3 All secondary containment shall remain sealed and all piping must enter or exit the containment over the wall. Secondary containment shall provide total containment, and no part of the tank infrastructure (e.g., dispenser, filling hoses and valves) shall protrude outside the containment.
- 2.4 The base of the secondary containment of the fuel storage facility shall be of impervious material.
- 2.5 Fuel storage tanks shall be visually inspected to verify their integrity regularly as far as practicable. Inspection reports should be kept and provided upon request by the Agency.
- 2.6 Protection measures for fuel storage tanks such as painting and coating shall be maintained to minimise corrosion of fuel tanks.
- 2.7 Maintenance and/or repair of fittings, pipes and hoses shall be conducted in accordance to manufacturer's specifications. A summarised inspection report shall be compiled and submitted to the Agency as part of the **Annual Report**.
- 2.8 Overfill protection shall be maintained on all fuel tanks. This may include an automatic shut off device or an audible or visible overfill alarm.
- 2.9 The safe fill level shall be clearly identified on the gauge and set at 90% to prevent overfilling. In the event of overfilling, all discharges shall be released into the containment bund.
- 2.10 Dispensing equipment shall be designed with the Best Available Technology (BAT) to minimise spills e.g., suction, pressure or gravity systems.
- 2.11 Secondary containment, drip trays or other overflow and drip containment measures shall be installed and maintained at connection points or other possible overflow points.

3.0 WATER QUALITY

- 3.1 Strictly adhere to the provisions of the **Environmental Protection (Water Quality) Regulation, 2000.**
- 3.2 Fuel/lubricants including waste oils shall not be drained from equipment onto the ground or into waterways.
- 3.3 Maintain an interceptor drain, which must be adequately sloped to collect storm flow. Ensure that all drains are maintained and cleared of debris and/or weeds on a regular basis to promote the free flow of water.

4.0 AIR QUALITY AND NOISE MANAGEMENT

- 4.1 Strictly adhere to the provisions of the **Environmental Protection (Air Quality) Regulations, 2000** and the **Environmental Protection (Noise Management) Regulations, 2000.**
- 4.2 Comply with the Guyana National Bureau of Standards (GNBS) Guidelines for Noise Emission into the Environment at a distance of 15 m (50 ft) from the source or at the 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))

Records of each monitoring exercise shall be maintained and results submitted to the Agency as a component of the Project's **Annual Report.**

- 4.3 All significant noise-producing equipment, such as generators, shall be equipped with silencers or mufflers and/or be enclosed in suitable acoustic enclosures where necessary, to reduce noise levels impacting the surrounding environment to achieve compliance with Guyana National Bureau of Standards (GNBS) requirement.
- 4.4 All generators and machines/equipment shall be serviced in accordance to manufacturer's specification to ensure efficiency and reduce the level of noise produced. A summarised maintenance report shall be submitted as a component of the **Annual Report.**

5.0 WASTE MANAGEMENT

- 5.1 In accordance with the **Environmental Protection (Litter Enforcement) Regulation, 2013**, promote good sanitation and solid waste disposal practices on site; covered garbage receptacles shall be placed at strategic locations at the facility. Waste must be collected and disposed of at an approved waste disposal facility.

- 5.2 Waste materials shall not be burnt. All solid waste shall be disposed of, at an approved Solid Waste Disposal Site, by an EPA Authorised Waste Disposal Company.
- 5.3 Good house-keeping, sanitary, and hygienic practices shall be maintained at all times. The facility surroundings shall be kept free of vegetation and litter.
- 5.4 Solid waste receptacles shall be secured when not in use.

6.0 HAZARDOUS WASTE MANAGEMENT

- 6.1 Strictly adhere to the provisions of the **Environmental Protection (Hazardous Waste Management) Regulation 2000**.
- 6.2 All hazardous waste shall be stored in containers appropriate for the waste stream. That is:
- a) Sealed Plastic Containers**
 - i. Water- based wastes;
 - ii. Fountain Solutions, Pre- Press.
 - b) Sealed Metal Containers**
 - i. Solvents and Petroleum- based products;
 - ii. Waste ink, Press wash, Oil and Oily Absorbents.
- 6.3 All hazardous waste containers shall be labelled with the following:
- i. The words “**Hazardous Waste**”;
 - ii. The type of waste; and
 - iii. Beginning of accumulation date.
- 6.4 All waste oil containers shall be labelled with the following:
- i. The words “**Waste Oil or “Used oil”**”;
 - ii. Beginning of accumulation date.
- 6.5 Hazardous waste shall be stored in a covered, bunded area. This area shall include the following:
- i. **Signage – “Hazardous Waste Storage Area”**;
 - ii. Low traffic;
 - iii. No floor drains; and
 - iv. Secondary containment capable of containing 110% of the largest volume therein.
- 6.6 All hazardous waste shall be disposed of by an EPA authorised Hazardous Waste Disposal Facility. All hazardous waste treatment and disposal shall be documented on a Waste Manifest Form which must submitted to the EPA as a component of the **Annual Report**.

7.0 COMPLIANCE MONITORING AND REPORTING

- 7.1 Notify the Environmental Protection Agency **within one (1) hour** of the occurrence of any environmental emergencies (e.g., oil spills, hazardous materials/wastes spills, sudden onset disaster, natural, technological or human- induced factors that cause or threaten to cause severe environmental damage as well as harm to human health or livelihood).
- 7.2 Monitor the implementation of the conditions of this Permit, insofar as they involve adherence by your employees and all third parties under your direction.
- 7.3 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.
- 7.4 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.
- 7.5 Maintain and submit to the Agency records of the type, composition and quantity of contaminant released (i.e., any solid, liquid, gas, odor, sound, vibration, radiation, heat or combination of any of them).
- 7.6 Submit **Annual Report** to the EPA on your compliance with this on or before **March 31, each year**.
- 7.7 Report to the Agency any non-compliance(s) with the Environmental Permit:
 - I. Within **twenty-four (24) hours** of the time the Holder of the Environmental Permit (Renewed) becomes aware of the non-compliance outlining the anticipated manner in which human health or the environment may be impacted.
 - II. Within **seventy-two (72) hours** of the time the Holder of the Environmental Permit (Renewed) becomes aware of the non-compliance, submit to the Agency a written report containing a description of the non-compliance, its cause, the period of non-compliance including exact dates and time and the anticipated time it is expected to continue if the non-compliance(s) has not been corrected.
- 7.8 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.
- 7.9 It is the responsibility of the Permit Holder to ensure the permitted activity and premises are secured and that all practicable steps necessary to prevent fires, explosions, leaks or suspected leaks and spills at the permitted premises are taken.

8.0 INSTITUTIONAL AUTHORITY/ LIABILITIES

- 8.1 The Permit Holder shall be liable for any material environmental harm caused by polluting the environment, pursuant to s. 39 of the Environmental Protection Act, Cap. 20:05, Laws of Guyana.
- 8.2 The Permit Holder shall be liable for any serious environmental harm caused by polluting the environment, pursuant to s. 39 of the Environmental Protection Act, Cap. 20:05, Laws of Guyana.
- 8.3 The Permit Holder shall be liable for any activity that causes or is likely to cause pollution of the environment unless all reasonable and practicable measures are taken to prevent or minimize any resulting adverse effect, pursuant to s. 19 of the Environmental Protection Act, Cap. 20:05, Laws of Guyana.
- 8.4 The Permit Holder shall be liable for discharging, causing or permitting the entry into the environment, of any contaminant in any amount, concentration or level excess of that prescribed by the regulations or stipulated by this Environmental Permit (Renewed), pursuant to s. 19 of the Environmental Protection Act, Cap. 20:05, Laws of Guyana.
- 8.5 The Permit Holder shall be liable to compensate any person who suffers any loss or damage as a result of contravening conditions 7.3 and 7.4 of this Environmental Permit (Renewed), pursuant to s. 19 of the Environmental Protection Act, Cap. 20:05, Laws of Guyana.
- 8.6 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.
- 8.7 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 environment, biodiversity, protected species and natural habitat with respect to any release, discharge, or spill, of contaminant fluids, oil or lubricants.
- 8.8 Should the Permit Holder contravene or be 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.
- 8.9 Where it appears to the Agency that the Permit Holder is engaged in any activity that may pose a serious threat to natural resources or the environment, or a risk of 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.

- 8.10 The Agency (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.
- 8.11 This 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.
- 8.12 The EPA has the right to modify, cancel or suspend this Permit for breach of any of the terms and conditions contained herein.
- 8.13 **The Environmental Permit (Renewed) is not the final consent; all relevant Permissions should be obtained from other regulatory bodies for continued operation.**
- 8.14 This Environmental Permit (Renewed) is effective for the period stipulated herein **(January, 2022 to December, 2026).**
- 8.15 This Environmental Permit (Renewed) shall remain valid until, **December 31, 2026**, unless otherwise cancelled, suspended, 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.
- 8.16 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 **June 30, 2026.**
- 8.17 Any late submission of renewal application(s) after the specified date as stated above, may require the Permit Holder to pay, in addition to the renewal fee, a late penalty fee (accruing at the time such obligation was first owed for renewal) at a rate of two thousand dollars (\$2,000.00) per day for every business day late, until such renewal application is submitted to the Agency, without prejudice to any other rights of the Permit Holder in connection therewith.
- 8.18 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, and the Environmental Regulations including civil

Environmental Permit (Renewed) Ref. No. 20150416-MRFSO

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.

penalties and injunctive relief.

Signed by *Sharifah Razack* on behalf of the Environmental Protection Agency.

for **Kemraj Parsram**
Executive Director

Date

2022. 01. 24

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, the Environmental Protection (Amendment) Act, 2005, and the Environmental Protection (Authorisations) Regulations, 2000, and any existing or forthcoming regulations, guidelines, best practices and standards made under this Act.

NAME	<i>Parsram Pinner</i>
DATE	<i>3 - 6 - 22</i>
SIGNATURE	<i>P Pinner</i>
DESIGNATION	<i>Driver</i>

