



**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 Regulations, 2000.

Reference No.:	20190625- SOMMD
Fee:	Medium (C1) – US\$500 per year
Fee Paid:	US\$1,000 for 2 years (October 2023 to September 2025)
Addressee:	Shaam Outar Proprietor Merchant Marine Services Guyana Inc. 5 'C', New Road, Vreed-en-Hoop, West Coast Demerara
Activity:	Storage of Industrial Chemicals in support of the Oil and Gas Industry

Merchant Marine Services Guyana Inc. hereinafter referred to as the "Permit Holder", is hereby authorised in accordance with the Environmental Protection (Amendment) Act, 2005, and the Environmental Protection (Authorisations) Regulations, 2000, to Store Industrial Chemicals in support of the Oil and Gas Industry at 5 'C', New Road, Vreed-en-Hoop, West Coast Demerara, hereinafter referred to as the "Project", in a manner indicated in the Application for Environmental Authorisation (Renewal) submitted on June 26, 2023, and subject to the terms and conditions set forth herein under the Environmental Protection Act, Cap. 20:05, Laws of Guyana, any existing or forthcoming Regulations made under the said Act, and/or any applicable laws, guidelines, best practices, and standards relevant to this project.

This is a Renewal of Environmental Permit, Reference No. 20190625- SOMMD issued on December 28, 2021, and will expire on December 31, 2023.

The Permit Holder, Her Servants, Agents, and/or Sub- Contractors shall comply with the following Terms and Conditions for Operation:

1.0 GENERAL OPERATION

- 1.1 Make an application to the Agency to vary this Permit in instances where it becomes necessary to:
 - 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. effect any other change outlined in 20(3) of the Environmental Protection (Authorisations) Regulations.
- 1.2 Fire prevention and control equipment shall be maintained at the Project in accordance with Guyana Fire Service Approval.
 - 1.3 Emergency spill clean-up kits shall be maintained for response to spills. Kits shall contain absorbent materials, drain seals, and other appropriate tools for clean-up, and shall be readily available and clearly identified.
 - 1.4 Employees and third parties under the Project's direction shall be made aware of the conditions of the Environmental Authorisation.
 - 1.5 Employees involved in the Management of Oil and Gas Chemicals shall be trained on **Hazardous Material Communication and Emergency Preparedness Response**. Training reports shall be maintained on-site and made available for inspection by the EPA upon request.
 - 1.6 Adhere to the requirements **of the Occupational Safety and Health Act, Cap. 99:01, Laws, of Guyana.**
 - 1.7 Adhere to the **Pesticides and Toxic Chemicals Control Act 2000.**

2.0 STORAGE OF OIL AND GAS CHEMICALS

- 2.1 Flammable materials shall be stored away from ignition sources. **'No Smoking'** signs shall be posted where these materials are handled and stored.
- 2.2 Chemicals stored by the Project shall be in accordance with the List of Chemicals submitted to the EPA on **November 14, 2021.**
- 2.3 A register of the quantities of chemicals stored at the Project shall be established and maintained. Registered information shall be maintained on-site and made available for inspection by the EPA upon request.
- 2.4 Chemical storage areas shall be clearly labeled with **"Danger, Chemical Storage Area- Authorized Personnel Only"** where applicable as a spill control measure.
- 2.5 Chemicals shall be stored in accordance with the manufacturer's directions or Safety Data Sheet instructions.
- 2.6 Safety Data Sheets for all chemicals shall be readily available and easily accessible at all times in chemical storage areas.

- 2.7 Chemical containers shall be clearly labeled in accordance with the Globally Harmonized System of Classification and Labelling. The following must be evident:
- i. Signal Word
 - ii. GHS Symbols - (Hazard Pictograms)
 - iii. Manufacturer Information
 - iv. Precautionary Statements/First Aid
 - v. Hazard Statements
 - vi. Product Name or Identifiers
- 2.8 Chemical storage packages shall be inspected for signs of leakage and damaged containers **must be** replaced **immediately**. Inspection reports shall be maintained on-site and made available for inspection by the EPA upon request.
- 2.9 Chemicals **shall not** be stored on damaged or inadequately secured racking or on damaged pallets to minimize the risk of spills.
- 2.10 Secondary containment (bund area) shall be established and maintained around storage areas of all liquid chemicals. The secondary containment shall have:
- i. A volume equivalent to the volume of liquid stored within the largest storage container and;
 - ii. Walls constructed of impermeable materials.
- 2.11 Adhere to the labeling of all chemicals with regards to incompatibility with other materials stored within the Facility and shall be segregated as indicated below to reduce the risk from mixed spillage and fire:
- i. Acids separate from Caustics
 - ii. Acids separate from Bases
 - iii. Acids separate from Flammables
 - iv. Bases separate from Flammables,
 - v. Oxidizers separate from Compressed Flammable Gases
 - vi. Corrosives separate from Flammables
 - vii. Oxides separate from all other chemicals
 - viii. Organic reactives separate from inorganic reactives (metals)
 - ix. Any other stipulated standards for storage or segregation of chemicals.

3.0 WATER QUALITY

- 3.1 Adhere to the provisions of the **Environmental Protection (Water Quality) Regulations, 2000**.
- 3.2 Direct discharge of untreated wastewater from the Project into the surrounding environment is strictly prohibited.
- 3.3 Any chemical spills occurring during the handling and loading of industrial chemicals shall be immediately cleaned and disposed of as guided by the respective

Safety Data Sheet, at an EPA-authorised disposal facility.

- 3.4 In the event there is an uncontrolled spill within the containment, contaminated wastewater shall be directed to the collection sump and collected and treated by an EPA Authorised Hazardous Waste Disposal Facility.
- 3.5 Flooring and drains shall be maintained with protective coatings to prevent seepage, damage, or deterioration resulting from contact with spilled chemicals.

4.0 WASTE MANAGEMENT

- 4.1 In accordance with the **Environmental Protection (Litter Enforcement) Regulations, 2013**, promote good sanitation and solid waste disposal practices on site.
- 4.2 Covered garbage receptacles must be placed upon an impervious base at strategic locations, both within and outside the facility. Waste must be collected and disposed of at an approved waste disposal facility.
- 4.3 Burning solid waste is **strictly prohibited**. All solid waste shall be disposed of by an EPA Authorised Waste Disposal Company.
- 4.4 Good housekeeping, sanitary, and hygienic practices shall be maintained at all times. The facility's drains and surroundings shall be kept free of vegetation and litter.
- 4.5 Waste collection areas shall be kept clean. Dry methods shall be used when cleaning around waste handling and disposal areas (e.g., sweeping, use of absorbents).
- 4.6 Maintain the septic tank system onsite. Septic Tanks at all times shall be accessible for cleaning and de-sludging. Septic tanks should be installed with a sand and charcoal filter bed, or other appropriate design for further treatment. This must be 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.
- 4.7 Any modification to the Septic Tank (s) 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.

5.0 COMPLIANCE MONITORING AND REPORTING

- 5.1 Notify the Environmental Protection Agency **within one (1) hour** of the occurrence of any environmental emergencies (e.g., oil spills, biohazardous

materials/wastes spill, 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).

- 5.2 Monitor the implementation of the conditions of this Permit, insofar as they involve adherence by your employees and all third parties under your direction.
- 5.3 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.
- 5.4 Notify the Agency **within twenty-one (21) days** in the event of death, bankruptcy, liquidation, or receivership of the Permit Holder or if the Company becomes a party to an amalgamation.
- 5.5 Maintain and submit to the Agency records of the type, composition, and quantity of contaminant released (i.e., any solid, liquid, gas, odour, sound, vibration, radiation, heat, or combination of any of them).
- 5.6 Submit an **Annual Report** to the EPA on your compliance with this Permit on or before **March 31, of each year**.
- 5.7 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 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 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.
- 5.8 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.
- 5.9 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.

6.0 INSTITUTIONAL AUTHORITY/ LIABILITIES

- 6.1 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.

- 6.2 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.
- 6.3 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.
- 6.4 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 in excess of that prescribed by the regulations or stipulated by this Environmental Permit, pursuant to s. 19 of the Environmental Protection Act, Cap. 20:05, Laws of Guyana.
- 6.5 The Permit Holder shall be liable to compensate any person who suffers any loss or damage as a result of contravening conditions 6.3 and 6.4 of this Environmental Permit, pursuant to s. 19 of the Environmental Protection Act, Cap. 20:05, Laws of Guyana.
- 6.6 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, of 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.
- 6.7 The Permit Holder shall be liable for 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.
- 6.8 Shall 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.
- 6.9 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.
- 6.10 The EPA reserves the right to conduct regular inspections of the Permit Holder's

- activities as part of its monitoring and enforcement requirements under the Environmental Protection Act, Cap 20:05, the Environmental Protection (Amendment) Act, 2005, and Environmental Protection (Authorisations) Regulations, 2000.
- 6.11 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.
- 6.12 The EPA has the right to modify, cancel, or suspend this Permit for breach of any of the terms and conditions contained herein.
- 6.13 **This Environmental Permit (Renewed) is not the final consent; all relevant Permissions shall be obtained from other regulatory bodies for continued operation.**
- 6.14 This Environmental Permit (Renewed) is effective for the period stipulated herein; **October 2023 to September 2025.**
- 6.15 This Environmental Permit (Renewed) shall remain valid until **September 30, 2025**, unless otherwise suspended, canceled, 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.
- 6.16 This Permit shall be renewed by submitting a completed *Application Form for Renewal of Environmental Authorization* to the Agency at least six months before this Permit expires, that is, no later than **March 31, 2025.**
- 6.17 Any late submission of a renewal application 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 (GY\$2000.00) 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.
- 6.18 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.

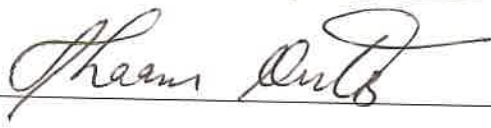
Environmental Permit (Renewed)-Ref. 20190625-SOMMD
Issued under the Environmental Protection Act, Cap. 20:05, Environmental Protection
(Amendment) Act, 2005, and the Environmental Protection (Authorisations) Regulations, 2000.

Signed by  on behalf of the Environmental Protection Agency

Kemraj Parsram
Executive Director

Date: 2023.10.17

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

NAME	SHAAM OUTAR
DESIGNATION	MANAGING DIRECTOR
SIGNATURE	
DATE	20 th October 2023

