



**Environmental
Protection
Agency**

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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.:	20200416-GYSBI
Fee:	Large (C1) - US\$ 1500 per year
Fee Paid:	US\$ 7500 (5 years – April, 2025 to March, 2030)
Addressee:	Schlumberger Guyana Inc. 62 Hadfield and Cross Streets Georgetown
Activity:	Storage of Hazardous and Non-hazardous Materials

Schlumberger Guyana Inc., 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, for the Storage and Transportation of Hazardous and Non-hazardous Chemicals at Tract Gil2 & AM1 Rome, East Bank Demerara, hereinafter referred to as the “Project,” in a manner indicated in the Application for Renewal of Environmental Authorisation submitted on January 3, 2024, and subject to the terms and conditions set forth herein and in any forthcoming regulations, guidelines, best practices and standards relevant to this project.

This is a Renewal of the Environmental Permit (Varied), Reference No. 20200416- GYSBI, issued on May 15 2020, and expiring on April 30, 2025.

Terms and Conditions for Operation to be adhered to by the Permit Holder:

1.0 GENERAL OPERATION

- 1.1 An application shall be made 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 The Storage Facility shall be clearly labelled, secured, and well-illuminated when not used.

- 1.3 Emergency exits **shall not** be obstructed by material storage containers.
- 1.4 Employees involved in the management of hazardous materials shall be trained on Hazardous Material Communication and Emergency Preparedness Response. Training reports shall be maintained on-site and made available to the EPA upon request.
- 1.5 All employees and third parties under the Project's direction shall be made aware of the conditions of the Environmental Authorisation.
- 1.6 Safety and hazardous zones shall be colour-coded in accordance with international best practices and standards.
- 1.7 Signages shall be legible and shall provide directives and/or instructions that are easy to follow.
- 1.8 The storage facility's roof shall provide adequate rain protection and ventilation for heat and smoke in the event of fire.
- 1.9 Emergency spill cleanup kits shall be maintained and readily available on-site for response to potential spills. Kits must contain absorbent materials, drain seals, and other appropriate tools for clean-up.
- 1.10 The Emergency Response Plan (ERP) shall be maintained and adhered to.
- 1.11 Fire prevention and control equipment shall be maintained at the Project in accordance with this Guyana Fire Service Approval.
- 1.12 Forklifts being used to lift and transport packaged materials must have a rated capacity to support the full weight of packages. Forklifts used for lifting packaged dry materials must be free of sharp edges and protrusions.
- 1.13 Materials **shall not** be stored in passageways, including forklift truck routes, other vehicle routes, and pedestrian walkways on site.
- 1.14 The Project shall adhere to the requirements of the **Occupational Safety and Health Act, Cap. 99:01, Laws of Guyana.**

2.0 STORAGE OF HAZARDOUS AND NON-HAZARDOUS MATERIALS

- 2.1 Adhere to the Pesticides and Toxic Chemicals Control Act 2000.
- 2.2 The register of Hazardous Materials stored at the Project shall be maintained on-site and made available for inspection by the EPA upon request.
- 2.3 Hazardous Materials Storage Areas shall be clearly labelled with **"Danger,**

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Hazardous Materials Storage Area- Authorized Personnel Only” where applicable as a spill control measure.

- 2.4 Flammable materials shall be stored away from ignition sources. ‘**No Smoking**’ signs shall be posted where these materials are handled and stored.
- 2.5 Hazardous Materials shall be stored in accordance with the manufacturer's directions or Safety Data Sheet instructions.
- 2.6 Safety Data Sheets for all Hazardous Materials shall be readily available and easily accessible at all times in Hazardous Material Storage Areas.
- 2.7 Hazardous Material storage packages shall be clearly labelled in accordance with the Globally Harmonized System of Classification and Labeling. The following must be evident:
 - i. Signal Word;
 - ii. GHS Symbols- (Hazard Pictograms);
 - iii. Manufacturer Information;
 - iv. Precautionary Statements/ First Aid;
 - v. Hazard Statements; and
 - vi. Product Name or Identifiers.
- 2.8 Hazardous Materials shall be segregated as indicated below to reduce the risk of mixed spillage and fire:
 - i. Bases separate from Flammables;
 - ii. Corrosives separate from Flammables;
 - iii. Oxides separate from all other chemicals;
 - iv. Organic reactive separate from inorganic reactive (metals); andAny other stipulated standards for the storage or segregation of chemicals
- 2.9 Hazardous Material storage packages shall be inspected for signs of leakage or corrosion, and damaged packages **must be** replaced **immediately**. Inspection reports shall be maintained on-site and made available to the EPA upon request.
- 2.10 Hazardous Materials **shall not** be stored on damaged or inadequately secured racking or on damaged pallets to minimize the risk of spills.
- 2.11 Hazardous Materials stored in ton bags and totes shall:
 - a) Be protected from UV rays;
 - b) Be covered to prevent exposure to dirt, dust, and moisture; and
 - c) Do not hang over the side of pallets used for stacking.
- 2.12 Liquid materials stored within drums must:
 - a) Be placed within bunded storage to ensure any leaks or spills are immediately contained;
 - b) Be clearly marked with their contents and any appropriate warning symbols;
 - c) Be regularly inspected to detect rust, leaks or other damage; and

d) Remain covered to protect the integrity of your materials.

- 2.13 Secondary containment (bund area) shall be maintained to minimize the spread/release of liquid material spillage occurring within the storage area. The secondary containment wall shall possess the following characteristics:
- i. Capacity equal to 110% of the volume of liquid stored within the largest storage container;
 - ii. Walls constructed of earth, steel, concrete or solid masonry. Cracks and seams shall be sealed to prevent leakage; and
 - iii. Liners/flooring constructed of asphalt or concrete and designed to withstand foreseeable loading conditions.
- 2.14 Third-party contractor(s) utilized for the transport of Hazardous Materials to and from the Facility shall be authorized by the EPA.

3.0 AIR QUALITY MANAGEMENT

- 3.1 Adhere to the provisions of the **Environmental Protection (Air Quality) Regulations, 2000**.
- 3.2 Ambient air quality monitoring shall be conducted at the boundary of the property during normal operations to assess the levels of the following air pollutants in accordance with the WHO Air Quality Guidelines 2021:

Air Pollutant	Averaging Time	Maximum Permissible Level	Type of Monitoring	Frequency
Carbon Monoxide	24 h	4 mg/m ³	Ambient	Bi-annually
Nitrogen Dioxide	24 h	25 µg/m ³	Ambient	Bi-annually
Sulphur Dioxide	24 h	40 µg/m ³	Ambient	Bi-annually
PM _{2.5}	24h	15 µg/m ³	Ambient	Bi-annually
PM ₁₀	24h	45 µg/m ³	Ambient	Bi-annually

- 3.3 In the event of equipment malfunction or inefficiencies which may result in visible emissions to air or, in the event of the malfunction leads to abnormal emissions, the operator shall:
- 3.3.1. Investigate and undertake remedial action **immediately**;
 - 3.3.2. Adjust the process or activity to minimise those emissions; and
 - 3.3.3. Record the events and actions taken. This shall be submitted in the annual report.

- 3.4 Air Quality monitoring shall be conducted in accordance with the parameters listed

above by trained personnel utilizing calibrated equipment. Records shall be maintained and submitted to the EPA as a component of the Annual Report.

4.0 NOISE MANAGEMENT

4.1 Adhere to the provisions of the **Environmental Protection (Noise Management) Regulations, 2000.**

4.2 Noise emissions shall be monitored at the Project's boundary to determine compliance with Guyana National Bureau of Standards (GNBS) *Guidelines for Noise Emissions into the Environment*, not exceeding the industrial limits listed below:

Industrial Limits: 100 dB during the daytime (06:00 h - 18:00 h)
80 dB during the night-time (18:00 h - 06:00 h)

4.3 Noise Quality monitoring shall be conducted biannually in accordance with the parameters listed above by trained personnel utilizing calibrated equipment. Records of each monitoring exercise shall be maintained and results submitted to the Agency as a component of the Project's Annual Report.

4.4 Significant noise-producing equipment, such as generators, shall be equipped with silencers or mufflers and/or enclosed in suitable acoustic enclosures to reduce noise levels impacting the surrounding environment and to achieve compliance with Guyana National Bureau of Standards (GNBS) requirement.

5.0 WATER QUALITY

5.1 Adhere to the provisions of the **Environmental Protection (Water Quality) Regulations, 2000.**

5.2 Any material spill that occurs during handling or loading operations shall be **immediately** cleaned up, as guided by the respective Material Safety Data Sheet, to prevent discharges into surface or groundwater. Spill materials shall be labelled and disposed of at an authorized facility.

5.3 Discharges from the Hazardous Materials Storage Bond are **strictly prohibited.**

5.4 Chemical spills occurring during the handling and loading of Hazardous Materials **shall be** immediately cleaned as guided by the respective Safety Data Sheet.

6.0 WASTE MANAGEMENT

6.1 In accordance with the **Environmental Protection (Litter Enforcement) Regulations, 2013**, promote good sanitation and solid waste disposal practices on site; covered garbage receptacles shall be placed at strategic locations at the facility.

- 6.2 Burning of waste is **strictly prohibited**. All solid waste shall be disposed of by an EPA Authorised Waste Disposal Company.
- 6.3 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.
- 6.4 Promote waste minimisation and the reuse and/or recycling of waste and other materials where practical.
- 6.5 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).
- 6.6 Hazardous waste (oily rags, waste oil, etc.) generated from the servicing of the vehicles and generator onsite shall be collected, stored, and treated by an EPA Authorized Hazardous Waste Treatment Facility.
- 6.7 The Permit Holder shall construct and maintain a septic tank system on site 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*:
- i) The septic tank shall not be located within 1.5 meters of a building or property boundary;
 - ii) septic tanks shall be installed with a sand and charcoal filter bed or other appropriate design for further treatment; and
 - iii) shall be accessible for cleaning and de-sludging.
- 6.8 Any modification to the Septic tank shall 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*.

7.0 COMPLIANCE MONITORING AND REPORTING

- 7.1 Notify the Environmental Protection Agency within **one (1) hour** of the discovery of the occurrence of environmental emergencies (e.g., oil spills, hazardous 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). Notification as prescribed by Section 19(3)(a) of the Environmental Protection Act, shall be submitted to the EPA **within twenty-four (24) hours** of discovery of the incident occurring.
- 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 the 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).

8.0 Submit an **Annual Report** to the EPA on your compliance with this Environmental Permit on or before **March 31 of each year**.

8.1 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 Authorisation for Operation 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.

8.2 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.

8.3 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.

9.0 INSTITUTIONAL AUTHORITY/ LIABILITIES

9.1 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.

9.2 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.

9.3 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.


9.4 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, pursuant to s. 19 of the Environmental Protection Act, Cap. 20:05, Laws of Guyana.

- 9.5 The Permit Holder shall be liable to compensate any person who suffers any loss or damage as a result of contravening conditions 10.3 and 10.4 of this Environmental Permit, pursuant to s. 19 of the Environmental Protection Act, Cap. 20:05, Laws of Guyana.
- 9.6 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.
- 9.7 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.
- 9.8 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.
- 9.9 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.
- 9.10 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, and the Environmental Protection (Amendment) Act, 2005, and Environmental Protection (Authorisations) Regulations, 2000.
- 9.11 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.
- 9.12 The EPA has the right to modify, cancel, or suspend this Permit for breach of any of

the terms and conditions contained herein.

- 9.13 **This Environmental Permit (Renewed) is not the final consent; all relevant Permissions should be obtained from other regulatory bodies for continued operation.**
- 9.14 This Environmental Permit (Renewed) is effective for the period stipulated herein: **April 2025 to March 2030.**
- 9.15 This Environmental Permit (Renewed) shall remain valid until **April 2030 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.
- 9.16 This Permit must be renewed by submitting a completed Renewal Application Form for Environmental Authorisation to the Agency at least six months before this Permit expires, that is, no later than **October 31, 2029.**
- 9.17 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 (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.
- 9.18 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  on behalf of the Environmental Protection Agency
Kemraj Parsram
Executive Director
Executive Director

Date

12-7-2025

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, 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	Lurii Mozhaev
DATE	6.6.25
SIGNATURE	Mom'
DESIGNATION	HSE Manager

