



**Environmental
Protection
Agency**

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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

Reference No.:	20201216-GYSB4
Fee:	Small (C1) - US\$ 175 per year
Fee Paid:	US\$875: Five (5) years (May, 2021 to April, 2026)
Addressee:	Mr. Rabindranath Muneshwer, Executive Director Guyana Shore Base Inc. Tract GIL2 & AM1 Rome East Bank Demerara.
Activity:	Storage of Equipment, Parts and Tools in support of the Oil and Gas Industry

ENVIRONMENTAL PROTECTION AGENCY
Database Updated

A. Griffith 02-Jun-21

Guyana Shore Base 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 of Equipment, Parts and Tools in support of the Oil and Gas Industry at Tract Gil2 & AM1 Rome, East Bank Demerara, hereinafter referred to as the "Project", in a manner indicated in the Application for Environmental Authorisation submitted on December 16, 2020, and subject to the terms and conditions set forth herein under the Environmental Protection Act, existing and/or forthcoming regulations made under the said Act, and/or any applicable laws, guidelines, best practices and standards relevant to this project.

The Permit Holder, His Servants, Agents and/or Sub-Contractor(s) shall comply with the following Terms and Conditions for Operation:

1.0 OPERATIONS

- 1.1 Notify the Agency in writing and obtain its approval for **ANY** proposed changes in the Project **at least fourteen (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 including but not limited to the following:

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- i. Changes in construction, structure, or layout of the facility and all associated buildings.
 - ii. Installation of new and/or changes to equipment, machine, apparatus, mechanism, system or technology serving the facility.
 - iii. Any technology used or installed at the facility from which effluent may be discharged.
 - iv. Any other circumstance or condition prescribed by Regulation 20(3) of the Environmental Protection (Authorisations) Regulations.
- 1.2 Employees shall be equipped with Personal Protective Equipment (PPE) relevant to their occupational tasks at the operation. PPE should include but not necessarily be limited to:
 - Safety helmets;
 - Safety boots with ankle support;
 - Gloves with reinforced palms and fingers;
 - Non-slag outer clothing appropriate to the prevailing weather conditions and high-visibility clothing; and
 - Eye protections; tightly fitted safety goggles.
- 1.3 The Project shall be clearly labeled, secured and well illuminated when not in use.
- 1.4 Unauthorised access to the Project shall be restricted and informed by signage and security measures.
- 1.5 A well-equipped first aid kit shall be available at the Project and shall include devices for communication and transportation to respond to emergencies.
- 1.6 Emergency exits **shall not** be obstructed by material storage containers.
- 1.7 Materials **shall not** be stored on damaged, or inadequately secured racking or on damaged pallets.
- 1.8 Heavy machinery shall be parked on an impervious base.
- 1.9 Heavy machinery **shall not** be on the Government Reserve.
- 1.10 A clear line of sight shall be established before moving large packaged quantities of materials.
- 1.11 All employees and third parties under your direction shall be made aware of the conditions of the Operation Permit and provide training on good environmental management practices inclusive of emergency response.

- 1.12 Flammable material shall be stored away from ignition sources. 'No Smoking' signs shall be posted where such materials are handled and stored.
- 1.13 The Project shall maintained adequate rain protection and ventilation for heat and smoke in the event of fire.
- 1.14 The Project shall maintained ventilation in accordance with one of the following:
 - i. Gravity ventilation to the outside with a capacity of one cubic foot per minute per square foot or floor space.
 - ii. Mechanical ventilation with on/ off switches at points of ingress that are capable of exhausting to the outside.
- 1.15 Fork lift being used to lift and transport the equipment, parts and tools must have rated capacity to support the full weight of the items.

2.0 MANAGEMENT OF EQUIPMENT, PARTS AND TOOLS

- 2.1 Equipment, parts and tools **shall not** be stored in passageways including forklift truck routes, other vehicle routes and pedestrian walkways on site.
- 2.2 Equipment, parts and tools shall be stored on impervious surfaces.
- 2.3 Equipment, parts and tools storage area shall be clearly demarcated.
- 2.4 Stockpiles of equipment, parts and tools **shall not** exceed three (3) meters in height. Distances between stockpiles shall be six (6) meters wide to allow for easy ingress and egress in storage area.

3.0 TRANSPORTATION OF NON-HAZARDOUS MATERIALS

- 3.1 All vehicles utilized for the transport by the Project shall satisfy the requirements of the **Road Traffic and Maritime** Laws.
- 3.2 Evidence of requirements indicated at ~~2.1~~^{3.1} above shall be submitted to the EPA with the **Annual Report**.
- 3.3 Road traffic hazards or unnecessary inconveniences to the general public shall be avoided (through planning and management) when transporting materials to and from the Project location.
- 3.4 Trucks/containers shall be equipped with reflecting signage to warn the public of impending danger of parked/moving trucks with materials on the public thoroughfare.
- 3.5 Equipment, parts and tools shall be secured to or within the vehicles transporting same.

- 3.6 Equipment, parts and tools shall be transported in a fully enclosed vehicle, or if 'open top', the pipelines shall be packed at least one metre below the height of the vehicle.
- 3.7 A transportation Procedure / Protocol shall be established, maintained and submitted to the EPA for approval by **July 31, 2021**.

4.0 WATER QUALITY

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

- 4.1 All point-source discharges from the Project is **strictly prohibited**.
- 4.2 Equipment, parts and tools stored at the Project Site shall not be contaminated with any waste from the Oil and Gas Industry such as mud containing hydrocarbon.
- 4.3 Storm-water from roofs and clean paved areas shall be directed away from the material storage and handling area (s).
- 4.4 Drainage system shall be kept flowing and free of debris and vegetation. Scheduled cleaning of the drainage network and the immediate environment shall be conducted.
- 4.5 Drainage systems shall be maintained and capable of handling the probable maximum precipitation storm event.
- 4.6 Vehicle/ machinery maintenance activities shall be conducted **at least 15m** away from watercourses and pervious surfaces so as to avoid soil and water contamination from fuel, grease, waste oils and other petroleum products.

5.0 AIR QUALITY NOISE MANAGEMENT

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

- 5.1 The Best Available Technologies or measures; e.g. silencers, mufflers, enclosures or other appropriate devices, shall be utilized to mitigate adverse noise impacts from heavy machinery and generators on the environment.
- 5.2 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.

Industrial Limits: 100 dB (Day-time (06:00 h -18:00 h))
80 dB (Night- time (18:00 h - 06:00 h))

- 5.3 Noise emissions shall be monitored annually during hours of operation; sample points shall be at least 50 ft from noise producing equipment. Keep records of all monitoring exercises and submit data to the Agency within the **Annual Report** or upon request.
- 5.4 Good housekeeping practices shall be implemented to avoid or minimize the accumulation of dusty materials that have the potential to become airborne, and to prompt immediate clean-up of spilled or accumulated materials.
- 5.5 All equipment and machinery shall be placed upon foundations properly designed to ensure effective damping of vibrations.
- 5.6 All equipment e.g. generators, forklifts, etc capable of causing, or preventing, emissions shall be maintained in accordance with the manufacturer's instructions. An annual maintenance schedule shall be submitted with the annual report.
- 5.7 Idling of equipment or vehicles shall be limited, as far as practical and all equipment or vehicles switched off when not in use.
- 5.8 Complaints of excessive noise, dust and vibrations stakeholders shall be recorded, investigated and addressed promptly. Records of complaint investigation shall be submitted to the EPA **within twenty-four (24) hours of investigation**.
- 5.9 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:
- investigate and undertake remedial action **immediately**;
 - adjust the process or activity to minimize those emissions; and
 - record the events and actions taken. This shall be submitted in the annual report.

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. Place covered garbage receptacles, each on an impervious base and at a strategic location, within and outside the storage facility.
- 6.2 Waste material **shall not** be burnt on site. Dispose of solid waste at an EPA authorised Solid Waste Disposal Site.
- 6.3 Good house-keeping, sanitary, and hygienic practices shall be maintained at all times. The Facility's surroundings shall be kept free of vegetation and litter.



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- 6.4 Promote waste minimization and the reuse and/or recycling of waste and other materials where practical.
- 6.5 Solid waste receptacles shall be secured when not in use.
- 6.6 Waste containers shall not be filled with washout water or any other liquid.
- 6.7 Waste storage containers shall be regularly inspected, repaired, and/or replaced.
- 6.8 Wastes such as hazardous wastes, appliances, fluorescent lamps, etc. shall not be disposed of in solid waste containers
- 6.9 All of a product/ material shall be completely used before disposing of the container.
- 6.10 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).

7.0 COMPLIANCE MONITORING AND REPORTING

- 7.1 Notify the Environmental Protection Agency **within 1 hour** of the occurrence of any environmental emergencies (e.g. oil spills, hazardous materials/wastes, materials 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.
- 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 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** each year.
- 7.6 Report to the Agency of non-compliance with the Operation Permit:
 - I. Within **twenty-four (24) hours** of the time the Holder of the Environmental Authorisation for Operation 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.
- 7.7 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.
 - 7.8 Provide fire protection measures such as fire extinguishers and sand buckets in accordance with this approval.
 - 7.9 Ensure all firefighting equipment are maintained and serviced regularly.
 - 7.10 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 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.
- 8.2 The EPA reserves the right to review/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 schedule as determined by the Agency for projects of this nature.
- 8.3 The Permit Holder, His Servants, Agents and/or Sub-Contractors 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 s.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.
- 8.4 The EPA shall have the right to cancel or suspend this Permit for breach of any of the terms and conditions contained herein.



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- 8.5 The Permit Holder shall be strictly liable for 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 any environmental authorisation which are attributed to any Project. In accordance with section 19(1), (2), and (3) of the Environmental Protection Act, Cap. 20:05.
- 8.6 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.”
- 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 marine or terrestrial environment, biodiversity, protected species and natural habitat with respect to any release or discharge, spill, contaminant fluids, oil or lubricants from the fuel storage facility.
- 8.8 The Permit Holder shall compensate any Party who suffers any loss or damage as a result of the attributed project. (s. 19(3)(e) of the Environmental Protection Act Cap. 20:05, Laws of Guyana.
- 8.9 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).
- 8.10 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.
- 8.11 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 Environmental Protection Act, Cap. 20:05, Laws of Guyana.
- 8.12 Where it appears to the Agency (EPA) 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, issue to the Permit Holder a Prohibition Notice, which may include an order to immediately cease the offending activity. S. 27 Environmental Protection Act, Cap. 20:05, Laws of Guyana.
- 8.13 The Permit Holder is obligated to ensure that the Chemical Storage Facility is permitted by other relevant authorities.

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- 8.14 The Permit is effective for the period stipulated herein **May, 2021 to April, 2026.**
- 8.15 This Operation Permit shall remain valid until **April 30, 2026**, unless otherwise suspended, cancelled, modified or varied in accordance with the provisions of this Permit or the Environmental Protection Act, Cap. 20:05, the 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 Environmental Authorisation* (Operation Permit) to the Agency at least six months before this Permit expires, that is, no later than **October 30, 2025.**
- 8.17 Any late submission of renewal application(s) after the specified date as stated above, shall 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 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


Ms. Sharifah Razack
Executive Director

on behalf of the Environmental Protection Agency.

Date

2021. 05.14

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I hereby accept the above terms and conditions upon which this Operational 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	SINDEE HEERALALL
DATE	31 ST MAY, 2021
SIGNATURE	<i>Sindee Heeralall</i> for. R. MUNIESHWER
DESIGNATION	PROJECT SUPPORT OFFICER

