



**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.:	20221026-BWGSF
Fee:	Medium (C1) i.e., US\$ 500 per year
Fee Paid:	US\$2,500 for Five (5) years (January 2023-December 2027)
Addressee:	Ms. Junell Moore Facility Manager Blue Water Guyana Inc. 36 Barima Avenue, Bel Air Park, Georgetown
Activity:	Oilfield Equipment Storage Facility

Blue Water 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, to Construct and Operate an Oilfield Equipment Storage Facility, at 3370 & 249 Block XXVII East Side Public Road, Plantation Friendship, East Bank Demerara, hereinafter referred to as the “Project”, in a manner indicated in the Application for Environmental Authorisation submitted on October 26, 2022, and subject to the terms and conditions set forth herein under the Environmental Protection Act, Cap. 20:05, Laws of Guyana, 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- Contractors shall comply with the following Terms and Conditions for Operation:

1.0 OPERATION

- 1.1 An application to vary this Permit may be made to the Agency in instances where it becomes necessary to:
- change the construction, operation, structure, or layout of the facility and all associated buildings;
 - change equipment, machine, apparatus, mechanism, system or technology serving the facility;
 - change the position and design of any outlet at the point or points of discharge of effluents; or
 - effect any other change outlined in 20(3) of the Environmental Protection (Authorisations) Regulations.

- 1.2 Maintenance of tools, equipment and vehicles at the Facility is **strictly prohibited**.
- 1.3 Guyana Fire Service Approval shall be obtained and a copy of the approval submitted to the EPA for record keeping.

1.3.1 Fire prevention and control equipment shall be maintained in accordance with this Guyana Fire Service Approval.

- 2.1 Employees and third parties under the Project direction shall be made aware of the conditions of the Environmental Authorisation.
- 2.2 The project shall provide training on good environmental practices to employees and third parties. Annual training records shall be maintained on site and made available to the EPA upon request.
- 1.4 Operations shall adhere to the requirements of the Occupational Safety and Health Act, Cap. 99:01, Laws of Guyana.

2.0 WASH BAY

- 2.1 A sump shall be maintained at the wash bay to collect and trap all effluent. Effluent from the sump shall be disposed of by an EPA Hazardous Waste Management Operation.
- 2.2 The floor of the wash bay shall be elevated at a sloped angle, directing all effluent toward the sump.
- 2.3 Best Available Technology shall be utilised to ensure that the sump does not overflow.
- 2.4 The base of the wash bay shall maintain an impervious surface.
- 2.5 Secondary containment shall be maintained around the sump. Secondary containment shall be impervious.

3.0 WATER QUALITY

- 3.1 All operations shall adhere to the provisions of the **Environmental Protection (Water Quality) Regulations, 2000**.
- 3.2 The discharge of wastewater from the Facility into the surrounding environment is **strictly prohibited**.
- 3.3 Drainage systems shall be maintained and capable of handling the probable maximum precipitation during a storm event.



- 3.4 Storm water drains shall be kept flowing and free of debris and vegetation. Scheduled cleaning of the drainage network and the immediate environment shall be conducted.

4.0 AIR QUALITY MANAGEMENT

- 4.1 All operations shall adhere to the provisions of the **Environmental Protection (Air Quality) Regulations, 2000.**
- 4.2 Idling of equipment or vehicles shall be limited, as far as practical and all equipment or vehicles switched off when not in use.
- 4.3 Complaints of excessive noise, dust and vibrations from 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.**
- 4.4 In the event of plant 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:
- 4.4.1 Investigate and undertake remedial action **immediately;**
 - 4.4.2 Adjust the process or activity to minimise those emissions; and
 - 4.4.3 Record the events and actions taken. This shall be submitted in the annual report.

5.0 NOISE MANAGEMENT

- 5.1 All operations shall adhere to the provisions of the **Environmental Protection (Noise Management) Regulations, 2000.**
- 5.2 All significant noise-producing equipment, such as generators, shall be equipped with silencers or mufflers and/or be enclosed in suitable acoustic enclosures to reduce noise levels impacting the surrounding environment to achieve compliance with Guyana National Bureau of Standards (GNBS) requirement.
- 5.3 Noise emissions shall be monitored at the Project's boundary biannually to determine compliance with Guyana National Bureau of Standards (GNBS) *Guidelines for Noise Emissions into the Environment*, not exceeding the commercial limits listed below:

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

The Permit Holder shall determine a noise quality monitoring plan. Monitoring shall be conducted by trained personnel using calibrated Type 2 Sound Level Meters.

- 5.4 The noise quality monitoring plan shall be submitted to the EPA for approval by **April 30, 2023.**

- 5.4 All equipment, e.g. forklifts, etc., capable of causing noise or emissions shall be maintained in accordance with the manufacturer's instructions to ensure efficiency and reduce the level of noise or emissions produced. Inspection and maintenance reports shall be maintained on site and made available to the EPA upon request.

5.0 WASTE MANAGEMENT

- 5.1 In accordance with the **Environmental Protection (Litter Enforcement) Regulations, 2013**, good sanitation and solid waste disposal practices shall be conducted on site. Covered garbage receptacles shall be placed upon an impervious base at strategic locations, both within and outside the facility.
- 5.2 Non-hazardous solid waste shall not be burnt on site. 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's drains and surroundings shall be kept free of vegetation and litter.
- 5.4 Solid waste receptacles shall be secured when not in use.

6.0 COMPLIANCE MONITORING AND REPORTING

- 6.1 Blue Water Guyana Inc. shall notify the Environmental Protection Agency **within one (1) hour** of the occurrence of any 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).
- 6.2 The implementation of the conditions of this Permit shall be monitored insofar as they involve adherence by all employees and all third parties under your direction.
- 6.3 The Agency shall be notified, in writing, of any change of name or ownership of the Permit Holder's facility within **thirty (30) days** after the change occurs.
- 6.4 The Agency shall be notified **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.
- 6.5 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) shall be maintained and submitted to the Agency.
- 6.6 An **Annual Report** shall be submitted to the EPA on your compliance with this on or before **March 31, each year**.

- 6.7 Any non-compliance(s) with the Environmental Permit shall be reported to the Agency:
- i. Within **twenty-four (24) hours** of the time the Holder of the Environmental Authorisation 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.
- 6.8 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.
- 6.9 The Permit Holder shall ensure that 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.

7.0 INSTITUTIONAL AUTHORITY/ LIABILITIES

- 7.1 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.
- 7.2 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.
- 7.3 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.
- 7.4 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.
- 7.5 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 pursuant to s. 19 of the Environmental Protection Act, Cap. 20:05, Laws of Guyana.

- 7.6 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.
- 7.7 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.
- 7.8 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.
- 7.9 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.
- 7.10 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.
- 7.11 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.
- 7.12 The EPA has the right to modify, cancel or suspend this Permit for breach of any of the terms and conditions contained herein.
- 7.13 This Environmental Permit is not the final consent; all relevant Permissions should be obtained from other regulatory bodies for continued operation.
- 7.14 This Environmental Permit is effective for the period stipulated herein; **January**

2023 to December 2027.

- 7.15 This Environmental Permit shall remain valid until **December 31, 2027**, 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.
- 7.16 This Permit must be renewed by submitting a completed Renewed Application Form for Environmental Authorisation to the Agency at least six months before this Permit expires, that is, no later than **June 30, 2027**.
- 7.17 Any late submission of renewal application(s) after the specified date as stated above, the agency may require the Permit Holder to pay, in addition to 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.
- 7.18 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.

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

Kemraj Parsram
Executive Director

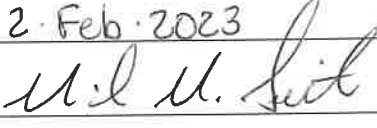
Date

2023. 01. 27



Environmental Permit (Renewed)-Ref. 20221026-BWGSF
Issued under the Environmental Protection Act, Cap. 20:05, Environmental Protection
(Amendment) Act, 2005, and the Environmental Protection (Authorisations) Regulations, 2000.

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	Michael M. Smith
DATE	2 Feb 2023
SIGNATURE	
DESIGNATION	Project Manager