



**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.:	20220412-LSFSP
Fee:	Small (C1) i.e., US\$100 per year
Fee Paid:	US\$ 500 for Five (5) Years (August, 2022- July, 2027)
Addressee:	Lloyd Singh Chairman Clear Waters Inc. Lots 81 & 83, Industrial Site, Eccles, East Bank Demerara.
Activity:	Operation of a Fuel Storage Facility- Diesel ONLY

ENVIRONMENTAL PROTECTION AGENCY
Database Updated

J. John 05/12/22

Mr. Lloyd Singh, operating under the name Clear Waters 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 Store Fuel (Diesel ONLY) at Lots 81 & 83, Industrial Site, Eccles, East Bank Demerara, Guyana, hereinafter referred to as the "Project", in a manner indicated in the Application for Environmental Authorisation submitted on April 12, 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.

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

1.0 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

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- 1.8.1 The containment wall shall be fully sealed to prevent spillage into the receiving drainage system.
- 1.8.2 The containment wall for areas with solitary tank must have the capacity to provide 110% containment of the fuel tank.
- 1.9 All secondary containment shall remain sealed and all piping shall 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.
- 1.10 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 kept and submitted to the Agency upon request.
- 1.11 The base of the secondary containment of the fuel storage facility shall be of impervious material.
- 1.12 Routinely monitor and maintain aboveground storage tanks to prevent leaks. Areas to inspect include tank foundation, connections, coatings, tanks walls, and piping systems.
- 1.13 Route pipelines from tanks to offset filling points, dispensing equipment and vent pipes below the ground surface. Pipelines shall not be located under buildings and shall be accessible for easy maintenance.
- 1.14 At least **two (2)** of the following leak detection mechanisms shall be installed:
 - i. An overflow alarm on tanks;
 - ii. A gauging system;
 - iii. Dipstick measurements; or
 - iv. Sensors installed on walls of tank.
- 1.15 Strictly adhere to the **Occupational, Health and Safety (OHS) Act, Cap. 99:10, Laws of Guyana.**
- 1.16 Make all employees, and third parties under your direction, aware of the conditions of the Environmental Authorisation and provide training on good environmental practices.

2.0 FUEL HANDLING AND STORAGE

- 2.1 Adopt and comply with the National Standard "*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.

3.5 Maintain the integrity of the existing waterways at all times. Discharges into the environment shall be in accordance with the Guyana National Bureau of Standards (GNBS) *Interim Guidelines for Industrial Effluent Discharge into the Environment*. The following are the allowable limits for this type of project and shall not exceed:

- i. Total Suspended Solid (TSS) < 100 mg/L;
- ii. Oil and Grease < 10 mg/L; and
- iii. Total Petroleum Hydrocarbon (TPH) < 40 mg/L.

3.6 The results of the water quality test shall be submitted to the Agency as part of the Annual Report.

3.7 Fuel/lubricants including waste oils shall not be drained from equipment onto the ground or into waterways.

3.8 Avoid soil and water contamination from fuel, grease, waste oils and other petroleum products. Store all oils, fuel, paints and chemicals in a designated area away from watercourses.

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 Emissions into the Environment*. Sound levels from noise-making devices shall not exceed the limits below, at a distance of 15 metres (50ft) from the source or 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))

4.3 Handle and store liquid fuel in such a manner so as to prevent the emission of offensive odours.

4.4 Monitor any malfunction or breakdown leading to abnormal emissions promptly. Adjust process until normal operations can be restored.

4.5 All sound-making devices, such as generators, shall be suitably enclosed and constructed with materials of good insulation properties (e.g., hollow concrete blocks, insulation boards, solid clay bricks, etc.) and equipped with silencers or mufflers to reduce the noise level.

4.6 All generators and sound making machines/equipment shall be serviced in accordance to manufacturer's specification to ensure efficiency and reduce the level of noise produced.

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- 7.3 Discharges of contaminants amounting to **five (5) imperial gallons or more** must be reported to the Agency by submitting an "*Incident Notification Form for Spills in Onshore Operations*" using the most recent template provided by the Agency, **within forty-eight (48) hours** of the incident. A follow-up incident notification form shall be submitted **within seventy-two (72) hours** of the submission of the initial notification form (a total of five days after the discharge of contaminants).
- 7.4 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.
- 7.5 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.
- 7.6 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, heat or combination of any of them).
- 7.7 Submit **Annual Reports** to the EPA on your compliance with this Permit on or before **March 31**, each year.
- 7.8 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 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.
- 7.9 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.

8.0 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,


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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 **This Environmental Permit is not the final consent, all relevant Permissions shall be obtained from other regulatory bodies for continued operation.**
- 8.14 This Environmental Permit is effective for the period stipulated herein; **August, 2022 to July, 2027.**
- 8.15 This Environmental Permit shall remain valid until **July 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.
- 8.16 This Permit shall be renewed by submitting a completed Application form for Renewal of Environmental Authorisation to the Agency at least six (6) months before this Permit expires, that is, no later than **February 28, 2027.**
- 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 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 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.

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