



**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.:	20200730-DSCSC
Fee:	Medium (C1) - US\$500 per year
Fee Paid:	US\$ 2,500 for five (5) years – (February 2022-January 2027)
Addressee:	Demerara Shipping Company Limited 6-12 Water and Schumaker Streets Georgetown.
Activity:	Temporary Storage of Chemicals at Port Facility

Demerara Shipping Company Limited, 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, for Temporary Storage of Chemicals at the Port Facility located at 6-12 Water and Schumaker Streets, Georgetown, hereinafter referred to as the "Project", in a manner indicated in the Application for Environmental Authorisation submitted on July 30, 2020, 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 other 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 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 Adhere to the requirements of the **Occupational Safety and Health Act, Cap. 99:01, Laws of Guyana.**
- 1.3 Adhere to the requirements of the **Pesticide and Toxic Chemical Control Board.**
- 1.4 **The Permit Holder shall submit to the EPA upon receipt, the requisite approvals from the Central Housing and Planning Authority (CH&PA), the relevant Municipality or any other authority with jurisdiction and oversight over the Project.**
- 1.5 The chemical storage area shall be clearly labeled with "Danger, Chemical Storage Area- Authorized Personnel Only" where applicable, as a spill control measure.
- 1.6 Flammable chemicals shall be stored away from ignition sources. 'No Smoking' signs shall be posted where these chemicals are handled and stored.
- 1.7 Fully sealed secondary containment (bund area) shall be maintained around storage areas of all liquid chemicals. The secondary containment (bund area) shall possess 110% of the volume of liquid stored within the largest storage container and walls shall be constructed of impermeable materials.
- 1.8 Chemicals shall be stored in accordance with their manufacturer's directions or Safety Data Sheet (SDS).
- 1.9 Safety Data Sheets for all chemicals shall be readily available and easily accessible at all times at the Project.
- 1.10 Chemicals shall be stored away from non-hazardous materials.
- 1.11 Chemicals shall be segregated according to the following compatibility to reduce the risk from mixed spillages or 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); and
  - ix. Any other stipulated standards for storage or segregation of chemicals.
- 1.12 A Chemical Segregation Chart for the Project shall be submitted to the EPA by **March 31, 2022.**
- 1.13 Chemical storage containers and packages shall be clearly labelled with the following information:

- i. Signal Word;
- ii. Global Harmonization Symbols- (Hazard Pictograms);
- iii. Manufacturer Information;
- iv. Precautionary Statements/ First Aid;
- v. Hazard Statements; and
- vi. Product Name or Identifiers.

- 1.14 Chemicals **shall not** be stored on damaged, or inadequately secured racking or on damaged pallets to minimise the risk of spills.
- 1.15 The project shall maintain a register of chemicals stored and submit such records to the EPA upon request. The register shall document the name of the company/client responsible for the chemical and imported quantity.
- 1.16 Submit an **Emergency Response Plan (ERP)** to the EPA for approval **by March 31, 2022.**
- 1.16.1 The ERP shall include, but not be limited to procedures for addressing all possible emergencies including spills and fires, local emergency response authorities, notification of national and local authorities, coordination of clean-up activities and assessment of health hazards to humans and the environment.
- 1.17 Emergency spill clean-up kits shall be maintained at the Project site 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.
- 1.18 All employees involved in the management of chemicals shall be trained on Hazardous Material Communication and Emergency Preparedness Response. The annual training report shall be kept and provided to the EPA upon request.
- 1.19 Obtain and maintain Guyana Fire Service Approval and submit a copy of the approval for the EPA's records.
- 1.20 Fire prevention and control equipment shall be maintained in accordance with this Guyana Fire Service Approval.
- 1.21 Any chemical spills occurring during handling and loading of chemicals, **shall be** immediately cleaned and disposed as guided by the respective Safety Data Sheet, at an EPA authorised disposal facility.

## **2.0 NOISE QUALITY MANAGEMENT**

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

- 2.2 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))

- 2.3 Noise emissions shall be monitored (frequency to be determined by the Permit Holder and approved by the Agency) during hours of operation; sample points shall be at least 50 ft from noise producing equipment. Keep records of all monitoring exercises and submit to the Agency within the **Annual Report** or upon request.
- 2.4 All equipment and machinery shall be placed upon foundations properly designed to ensure effective damping of vibrations.
- 2.5 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 on the environment.
- 2.6 All machines and equipment such as forklifts and generator shall be serviced in accordance with their manufacturer's specification to ensure efficiency and reduce the level of noise produced. A summarised maintenance report shall be provided to the EPA upon request.

### **3.0 WASTE MANAGEMENT**

- 3.1 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 upon impervious base at strategic locations, both within and outside facility.
- 3.2 All solid waste shall be disposed at an approved Solid Waste Disposal Site. Burning of solid waste is **strictly prohibited**.
- 3.3 Good house-keeping, sanitary, and hygienic practices shall be maintained at all times.
- 3.4 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).

### **4.0 COMPLIANCE MONITORING AND REPORTING**

- 4.1 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, and chemicals 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.

- 4.2 Monitor the implementation of the conditions of this Permit, insofar as they involve adherence by your employees and all third parties under your direction.
- 4.3 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.
- 4.4 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.
- 4.5 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).
- 4.6 Submit an Annual Report to the EPA on your compliance with this permit on or before **March 31, each year**.
- 4.7 Report to the Agency of non-compliance 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.
- 4.8 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.
- 4.9 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.

## **5.0 INSTITUTIONAL AUTHORITY/ LIABILITIES**

- 5.1 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.



- 5.2 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.
- 5.3 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.
- 5.4 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.
- 5.5 The Permit Holder shall be liable to compensate any person who suffers any loss or damage as a result of contravening conditions 5.3 and 5.4 of this Environmental Permit, pursuant to s. 19 of the Environmental Protection Act, Cap. 20:05, Laws of Guyana.
- 5.6 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.
- 5.7 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.
- 5.8 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.
- 5.9 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.
- 5.10 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.


- 5.11 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.
- 5.12 The EPA has the right to modify, cancel or suspend this Permit for breach of any of the terms and conditions contained herein.
- 5.13 **This Environmental Permit is not the final consent; all relevant Permissions should be obtained from other regulatory bodies for continued operation.**
- 5.14 This Environmental Permit is valid for the period stipulated herein **February 2022 to January, 2027.**
- 5.15 This Environmental Permit shall remain valid until **January 31, 2027**, unless otherwise suspended or revoked in accordance with the provisions of this Permit or the Environmental Protection Act, Cap. 20:05, Laws of Guyana, the Environmental Protection (Amendment) Act, 2005, and the Environmental Protection (Authorisations) Regulations, 2000.
- 5.16 This Permit must be renewed by submitting a completed *Application Form for Renewal of Environmental Authorisation* to the Agency at least six months before this Permit expires, that is, no later than **July 31, 2026.**
- 5.17 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 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.
- 5.18 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-Ref. 20200730-DSCSC**  
**Issued under the Environmental Protection Act, Cap. 20:05, Environmental Protection**  
**(Amendment) Act, 2005, and the Environmental Protection (Authorisations) Regulations, 2000.**

Signed by Shanifah Lazack on behalf of the Environmental Protection Agency.  
for **Kemraj Parsram**  
**Executive Director**

Date 2022.02.17

I hereby accept the above terms and conditions upon which this Environmental 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	NALINI JAMUNA
DATE	21 <sup>st</sup> February 2022
SIGNATURE	
DESIGNATION	Admin & Operations Manager

