



**Environmental
Protection
Agency**

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Environmental Permit (Modified)

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.:	20191212-GNICD
Fee:	Medium (C2) - US\$800 per year
Fees Paid:	US\$1,600 for Two (2) years –(June 2021 to May 2023) US\$2,400 for Three (3) years- (June, 2023- May, 2026)
Total Fees Paid:	US\$4000 for Five (5) years- (June 2021 to May 2026)
Addressee:	Mr. Ramgobin Ramkissoo, Special Projects Manager Guyana National Industrial Company Inc. 1-9 Lombard Street, Charlestown Georgetown.
Activity:	Operation of a Container Terminal with Hazardous Material Storage

THE ENVIRONMENTAL PROTECTION AGENCY
Database Updated
Alahim 21 Jan 2022

Guyana National Industrial Company 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 Operate the Container Terminal with Hazardous Material Storage at 1-9 Lombard Street, Charlestown, Georgetown hereinafter referred to as the "Project", in a manner indicated in the Application for Environmental Authorisation submitted on December 12, 2019, 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

Adhere to the requirements of the **Occupational Safety and Health Act, Cap. 99:01, Laws, of Guyana.**

1.1 Make an application to the Agency to vary this Permit in instances where it becomes necessary to:

Handwritten signatures and initials.

- 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 Permit Holder is hereby required to submit to the EPA, an updated **Agreement of Lease of Land and Buildings** for the Project, by **October 31, 2021**.
- 1.3 All employees and sub-contractors involved in the management of hazardous materials, including Forklift and Crane Operators, shall be trained annually on Hazardous Material Communication and Emergency Preparedness Response. The annual training schedule shall be submitted to the Agency as part of the **Annual Report**.
- 1.4 Obtain and maintain Guyana Fire Service Approval and submit a copy of the approval for the EPA's records.
- 1.5 Fire prevention and control equipment shall be maintained in accordance with this Guyana Fire Service Approval. This may include a smoke detection and alarm system, fire extinguishers, fire hydrants or sprinkler systems as appropriate.
- 1.6 An **Emergency Spill Response Procedure/Plan (ERP)** shall be established and maintained. The Procedure shall include, but not be limited to 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.
- 1.7 The ERP shall be submitted to the EPA for approval by **October 31, 2021**.
- 1.8 Make all employees, and third parties under your direction, aware of the conditions of the Environmental Authorisation and provide training on good environmental practices. Annual training schedule shall be submitted in the **Annual Report**.

2.0 OPERATION OF CONTAINER TERMINAL

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

- 2.1 An area shall be segregated and designated for the storage of containers with hazardous materials. A perimeter fence, barrier or other mechanism shall be implemented to restrict access to this area.

- 2.2 Empty containers shall be stacked separately from those with cargoes.
- 2.3 Containers shall be stacked corner post to corner post and the point of contact shall be flush and not off centered.
- 2.4 Stacking of containers shall not exceed six (6) containers on top of each other with the exception of containers with hazardous materials which shall not exceed two (2) containers. .
- 2.5 Monitor noise emissions from the operation at the property boundary to determine compliance with the Guyana National Bureau of Standards (GNBS) Guidelines for Noise Emission into the Environment.

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

80 dB (Night-time (18:00 h – 06:00 h))

Monitoring shall be conducted on a regular basis **(determined by the Permit Holder and approved by the EPA)** by trained personnel using calibrated Type 2 sound Level Meters. Records of all monitoring exercises shall be maintained and submitted as part of the Annual Report.

- 2.6 All significant noise-producing equipment, such as generators, shall be equipped with silencers or mufflers and/or be enclosed in suitable acoustic enclosures where necessary, to reduce noise levels impacting the surrounding environment to achieve compliance with Guyana National Bureau of Standards (GNBS) requirement.
- 2.7 Wetting of the Container Terminal shall be conducted at least three times daily to minimise dust emissions into the environment.
- 2.8 Monitor ambient air quality at the boundary of the property to assess compliance with the requisite standards below:

No.	Air Pollutant	Averaging Time	Maximum Permissible Level	Type of Monitoring
1.	Carbon Monoxide	1 h	35ppm	Ambient
2.	Nitrogen Dioxide	1 h	200µg/m ³	Ambient
3.	Sulphur Dioxide	24 h	20 µg/m ³	Ambient
4.	PM _{2.5}	24 h	25 µg/m ³	Ambient
5.	PM ₁₀	24h	50µg/m ³	Ambient

Monitoring shall be conducted by trained personnel utilizing calibrated equipment. Results of all monitoring exercises should be maintained and submitted in the Annual Report. Frequency of monitoring shall be determined by the Permit Holder and approved by the EPA.

3.0 STORAGE OF HAZARDOUS MATERIALS (Materials that Exhibit Hazardous Characteristics such as Flammability, Corrosivity, Toxicity, Explosiveness, etc.)

- 3.1 Hazardous materials shall be stored in accordance with the manufacturer's directions or Safety Data Sheet (SDS) instructions.
- 3.2 Safety Data Sheets for all hazardous materials shall be readily available and easily accessible at all times at the Project.
- 3.3 The Chemical Storage Area shall be clearly labeled with "Danger, Chemical Storage Area- Authorized Personnel Only" where applicable as a spill control measure
- 3.4 Emergency spill clean-up kits shall be maintained at the Facility for response to spills. Kits must contain absorbent materials, drain seals and other appropriate tools for clean-up. Kits must be readily available and clearly identified at the Project.
- 3.5 A register of the quantities of hazardous materials stored at the Project shall be established and maintained. A summary of the registered information shall be submitted to the Agency as part of the **Annual Report**.
- 3.6 Secondary containment (bunded area) shall be established and maintained around storage areas of all liquid chemicals. The secondary containment (bunded area) shall possess 100% of the volume of liquid stored within the largest storage container and walls shall be constructed of impermeable materials.
- 3.7 Hazardous materials shall be stored away from non-hazardous materials.
- 3.8 Hazardous materials shall be stored according to the following compatibility:
 - 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)
 - ix. Any other stipulated standards for storage or segregation of hazardous materials.
- 3.9 Hazardous material containers shall be clearly labelled in accordance with the Globally Harmonized System of Classification and Labelling. The following must be evident:
 - i. Signal Word
 - ii. GHS Symbols- (Hazard Pictograms)
 - iii. Manufacturer Information

- iv. Precautionary Statements/ First Aid
 - v. Hazard Statements
 - vi. Product Name or Identifiers
- 3.10 Flammable material shall be stored away from ignition sources. **'No Smoking'** signs shall be posted where such materials are handled and stored.
- 3.11 Hazardous materials stored in ton bags and totes shall:
- i. Be protected from UV rays;
 - ii. Be covered to prevent exposure to dirt, dust, and moisture; and
 - iii. Not hang over the side of pallets used for stacking.
- 3.12 Hazardous materials stored within drums shall:
- i. Be placed within banded storage to ensure any leaks or spills are immediately contained;
 - ii. Be clearly marked with their contents, and any appropriate warning symbols;
 - iii. Have scheduled inspection to detect rust, leaks or other damage; and
 - iv. Remain covered to protect the integrity of your chemicals.
- 3.13 Hazardous materials stored within cans shall be tightly sealed and kept off the floor on pallets to minimise the risk of spills.
- 3.14 Hazardous materials **shall not** be stored on damaged, or inadequately secured racking or on damaged pallets to minimise risks of spills.
- 3.15 Hazardous materials **shall not** be stored in passageways including forklift truck routes, other vehicle routes and pedestrian walkways on site.
- 3.16 The Project shall maintain adequate ventilation.

4.0 WATER QUALITY

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

- 4.1 Direct discharge of untreated wastewater from the Facility into the surrounding environment is **strictly prohibited**.
- 4.2 Storm water discharge shall be directed away from hazardous material storage areas.
- 4.3 Any chemical spills occurring during handling and loading of hazardous materials, **shall be** immediately cleaned and disposed as guided by the respective Safety Data Sheet, at an EPA authorised disposal facility.

- 4.4 Hazardous materials shall not be stored in an area where it could potentially enter any waterways. All hazardous materials shall be stored at least **5m** away from any drains on site or waterways.
- 4.5 All equipment re-fuelling shall be conducted on an impervious base to prevent leakage into the soil and surrounding waterways.

5.0 WASTE MANAGEMENT

- 5.1 In accordance with the **Environmental Protection (Litter Enforcement) Regulation, 2013**, promote good sanitation and solid waste disposal practices on site; covered garbage receptacles must be placed at strategic locations at the facility.
- 5.2 Waste materials 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 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 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 Monitor the implementation of the conditions of this Permit, insofar as they involve adherence by your employees and all third parties under your direction.
- 6.3 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.
- 6.4 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.
- 6.5 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).
- 6.6 Submit an **Annual Report** to the EPA on your compliance with this on or before **March 31, each year.**

6.7 Report to the Agency any non-compliance(s) with the Environmental Permit (Modified):

- 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 (Modified) 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.
- 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.

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 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.

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 (Modified), 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 (Modified), 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 (Modified) is not the final consent; all relevant Permissions should be obtained from other regulatory bodies for continued operation.**

Environmental Permit (Modified) - Ref. 20191212-GNICD
Issued under the Environmental Protection Act, Cap. 20:05, Environmental Protection (Amendment) Act, 2005, and the Environmental Protection (Authorisations) Regulations, 2000.

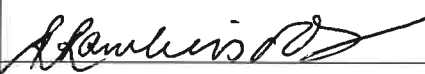
- 7.14 This Environmental Permit (Modified) is effective for the period stipulated herein;
June 2021 to May 2026.
- 7.15 This Environmental Permit (Modified) shall remain valid until **May 31, 2026**, unless otherwise suspended, cancelled, modified or varied, in accordance with the provisions of this 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 **November 30, 2025.**
- 7.17 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.
- 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  on behalf of the Environmental Protection Agency

Kemraj Parsram
Executive Director

Date 6.10.2021

I hereby accept the above terms and conditions upon which this Environmental Permit (Modified) 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 forthcoming regulations, guidelines, best practices and standards made under this Act.

NAME	RAMBOBIN RAMKISDON
DATE	2021-10-12
SIGNATURE	
DESIGNATION	SPECIAL PROJECTS OFFICER

