



**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 Regulations, 2000)

Reference No.:	20230420-TBPRH
Fee:	Small (C1) - US\$100 per year
Fees paid:	US\$500 (5 years) - June, 2024 to May, 2029)

Addressee: Tricia Beepat
Owner
Plasma Rock Resort
42 Soesdyke,
East Bank Demerara

Activity: Operation of Plasma Rock Resort.

Ms. Tricia Beepat, hereinafter referred to as the "Permit Holder", is hereby authorized in accordance with the Environmental Protection Act, Cap. 20:05, Laws of Guyana, the Environmental Protection (Amendment) Act, 2005, and the Environmental Protection Regulations, 2000, to operate a Hotel, Food Restaurant with Malt & Wine Facility and Liquor Restaurant located at Plot 2, Comprising of lots 4, 5, & 6 Block 'B' of Area 'W', Soesdyke, East Bank Demerara, Region 4, Guyana, hereinafter referred to as "the Project", in the manner indicated in the Application submitted on April 20, 2023, subject to the terms and conditions set forth herein under the Environmental Protection Act, existing or forthcoming regulations made under the said Act and/or any other applicable Laws of Guyana, best practices, guidelines and standards relevant to this project.

Terms and Conditions for Operation to be adhered to by the Permit Holder, his servants, agents and sub-contractors:

1.0 GENERAL

1.1 The Permit Holder shall make an application to the Agency to vary this Environmental Permit in instances where it becomes necessary to:

- i. Change the construction, operation, structure, or layout of the facility and all associated buildings;

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- 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. Affect any other change outlined in 20(3) of the Environmental Protection (Authorisations) Regulations.

1.2 The Permit Holder shall adhere to requirements of the **Occupational Health and Safety Act, Cap 99:10, Laws of Guyana.**

1.3 The Permit Holder shall ensure that all pest control applications are conducted by a pest control operative who is trained by the Pesticides and Toxic Chemicals Control Board (PTCCB).

1.4 The Permit Holder shall ensure that all employees are aware of the conditions of this Permit and provide training on good environment management practices.

1.5 The Permit Holder shall employ or designate an employee to the role of an **Occupational Health and Safety (OHS)/Environmental Officer** to be responsible for the implementation and coordination of all safety requirements and terms and conditions stipulated in this Permit, as well as compliance monitoring with the preparation of all required reports.

2.0 AIR AND NOISE QUALITY MANAGEMENT

2.1 The Permit Holder shall adhere to the provisions of the **Environmental Protection (Air Quality) Regulations, 2000** and the **Environmental Protection (Noise Management) Regulations, 2000.**

2.2 The Permit Holder shall comply with Guyana National Bureau of Standards (GNBS) *Guidelines for Noise Emissions into the Environment*, not exceeding the residential limits listed below, at a distance of 15 meters (50 feet) from the source or property boundary.

Residential limits: **75dB** (Day-time (06:00 h-18:00 h))
 60 dB (Night – time (18:00 h - 06:00 h))

2.3 The Permit Holder shall not use sound-making devices and other noisy activities between the hours of 23:00 h to 06:00 h, or unless permission is otherwise granted by the Environmental Protection Agency.

2.4 The Permit Holder shall ensure all significant noise-producing equipment, e.g. generators, etc. are equipped with appropriate silencers or mufflers and/or are enclosed

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in suitable acoustic enclosures where necessary to reduce noise levels impacting the surrounding environment to achieve compliance with GNBS requirement.

- 2.5 The Permit Holder shall ensure that the generator is regularly serviced to ensure efficiency and reduce the level of noise produced.
- 2.6 The Permit Holder shall ensure that the exhaust stack of the generator is of an appropriate height, preferably at least two (2) meters above the tallest building nearby, to minimize adverse fumes/soot impacts to the contiguous areas.
- 2.7 The Permit Holder shall ensure that the air conditioning units are regularly serviced to ensure efficiency and reduce air and noise emissions into the environment.
- 2.8 The Permit Holder shall respond to complaints by any citizen or authority to lower the volume of sound systems and other sound-making equipment, if the noise is excessive.
- 2.9 The Permit Holder shall promote the conservation and efficient use of energy. Options for energy efficiency are described but not limited to the following:
 - 2.9.1 The use of appropriate electrical fixtures and equipment that will allow for the efficient utilisation of energy, for example, replacing incandescent lamps with compact fluorescent lamps, installation of Energy Star labeled or other equivalent appliances where possible and installation of solar water heaters.
 - 2.9.2 The use of occupancy sensors and/or timers for areas of your facility that are less frequently used such as hallways, outdoor areas, or public bathrooms.
 - 2.9.3 Ensure all exterior doors on air-conditioned spaces are properly sealed to avoid losing cool air.

3.0 WATER QUALITY

- 3.1 The Permit Holder shall adhere to the provisions of the **Environmental Protection (Water Quality) Regulations, 2000.**
- 3.2 The Permit Holder shall maintain the integrity of the existing waterways at all times. Discharges into the environment should be in accordance with the Guyana National Bureau of Standards *Interim Guidelines for Industrial Effluent Discharge into the Environment*. The following are the allowable limits for the operation and should not be exceeded:
 - pH 5.0 - 9.0;
 - Temperature <40°C;
 - Biological Oxygen Demand (BOD) <50 mg/L;
 - Chemical Oxygen Demand (COD) <250 mg/L;
 - Total Suspended Solid (TSS) <50 mg/L; and
 - Oil & Grease <10 mg/L.

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- 3.3 The Permit Holder shall not discharge effluent directly into receiving waters without prior treatment.
- 3.4 An oil-water separator should be installed at a strategic location, through which all effluent must pass before final discharge.
- 3.5 The Permit Holder shall 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, at least 10 m away from watercourses on an impervious base to minimize adverse impacts to the environment in the event of spillage.
- 3.6 The Permit Holder shall avoid excessive or inappropriate use of cleaning chemicals. Use of biodegradable/water-based cleaning products is encouraged.
- 3.7 The Permit Holder shall promote the conservation of water resources by minimizing water consumed in the operation of the facility, for example; the installation of low-flow showerheads (0.5 to 2 gpm) and sink aerators (0.25 gpm to 0.5 gpm for hand and face washing and 2.2 gpm for dish washing).
- 3.8 The Permit Holder shall maintain drainage systems capable of handling the probable maximum precipitation storm event.
- 4.0 WASTE MANAGEMENT**
- 4.1 The Permit Holder shall adhere to the provisions of the **Environmental Protection (Litter Enforcement) Regulations, 2013**.
- 4.2 The Permit Holder shall promote proper solid waste management practices in the operation and ensure that all solid waste materials are appropriately stored until such time of disposal in a manner approved by the Agency, or adequately reused, composted and/or recycled.
- 4.3 The Permit Holder shall provide covered garbage receptacles at strategic locations, both within and outside the established buildings of the facility. At all times, garbage receptacles, both inside and outside of the facility, should be emptied, cleaned and maintained on a regular basis, to prevent the fall or flow of garbage in the surrounding environment and attraction of rodents and other vermin.
- 4.4 The Permit Holder shall not discharge or dump solid waste directly into the receiving waters.
- 4.5 The Permit Holder shall direct all waste lines and drains carrying grease, fats, or culinary oil, or similar waste products from kitchens or food processing areas from the facility into one or more grease trap interceptors. All required grease trap interceptors shall comply with the following:
- (i) Grease interceptors shall be constructed of durable corrosion-resistant materials and shall have water-tight covers securely fastened in place.

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- (ii) No grease interceptor shall receive the discharge from a food waste disposal.
- (iii) The flow rate of the interceptor shall be sufficient to handle the maximum demand of the connected system.
- (iv) All interceptors shall be installed in an accessible location to permit the convenient removal of the lid and internal contents.
- (v) All interceptors shall be designed and installed with proper venting so that they do not become air bound.

4.6 The Permit Holder shall eliminate or substantially reduce the use of plastics, e.g., disposable cups and dishes, etc., for special events where feasible. Adequately dispose, reuse and/or recycle all waste materials. Provide evidence (e.g., pictures) of reuse and/or recycle of waste material and present this in the **Environmental Annual Report**.

5.0 HAZARDOUS WASTE MANAGEMENT

5.1 The Permit Holder shall strictly adhere to the provisions of the **Environmental Protection (Hazardous Waste Management) Regulations, 2000**.

5.2 The Permit Holder shall ensure that hazardous waste be treated and/or disposed by an EPA authorized Hazardous Waste Disposal Facility. All hazardous waste treatment and disposal shall be documented on a Waste Manifest Form which shall be submitted to the EPA as a component of the **Environmental Annual Report**.

5.3 The Permit Holder shall designate an area for the storage of fuel, used oil, washing detergents, sanitizers and other hazardous materials. Hazardous materials/ waste storage areas shall be clearly labelled and secured. The following warning signs shall be clearly posted:

- I. "Hazardous Waste Storage Area"
- II. Danger - "Authorized Personnel Only"
- III. No eating, drinking or smoking

5.4 The Permit Holder shall ensure hazardous waste be contained in banded/kerbed storage areas. These areas shall adhere to the following requirements:

- I. Be situated in low traffic areas;
- II. No interceptor drains shall be constructed; and
- III. Be banded to provide 110% containment of the largest volume of hazardous materials stored therein.

5.5 The Permit Holder shall ensure hazardous waste be stored in containers appropriate for the waste stream; that is:

- I. Sealed Plastic Containers
 - a. Water-based waste
- II. Sealed Metal Containers

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- a. Solvents and petroleum-based products
- b. Oil and oily absorbents

- 5.6 The Permit Holder shall ensure hazardous waste/materials storage containers be inspected weekly for signs of leakage, deterioration or corrosion. Damaged containers must be replaced immediately. Inspection reports must be maintained and signed by the appropriately qualified inspecting Officer and his/her supervisor.
- 5.7 The Permit Holder shall conduct refueling, oil changes and maintenance of equipment on an impervious base.
- 5.8 The Permit Holder shall ensure spill equipment be available and utilized for containing and mitigating spills from hazardous materials such as fuel, lubricants etc.

6.0 EMERGENCY MANAGEMENT

- 6.1 The Permit Holder shall maintain approval from Guyana Fire Service and adequate fire protection measures such as fire extinguishers and sand buckets in accordance with this approval.
- 6.2 The Permit Holder shall ensure all firefighting equipment are maintained and serviced regularly and provide training on the use of the equipment.
- 6.3 The Permit Holder shall submit to the Agency, within **sixty (60) working days** of issuance of this Permit, a detailed Emergency Response and Evacuation Plan for the facility.
- 6.4 The Permit Holder shall maintain a regularly updated evacuation plan for the facility. Ensure that the evacuation plan for each floor is posted in a conspicuous location.
- 6.5 The Permit Holder shall install an alarm system and ensure that all employees are aware of the emergency response protocol and their duties and responsibilities according to the evacuation plan.
- 6.6 The Permit Holder shall ensure that the fire escape routes are clearly defined and has emergency lighting in accordance with the requirements of the Guyana Fire Service.

7.0 COMPLIANCE MONITORING AND REPORTING

- 7.1 The Permit Holder shall strictly comply with any lawful directions given by the Agency from time to time in furtherance of the implementation of any international or other obligation for the environmental protection of Guyana.

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- 7.2 The Permit Holder shall monitor the implementation of the conditions of this Environmental Permit, insofar as they involve adherence by employees and all third parties under your direction.
- 7.3 The Permit Holder shall report to the Agency any non-compliance(s) with this Environmental Permit:
- i. Within **twenty-four (24) hours** of the time the Holder of this Environmental Permit becomes aware of the non-compliance, detailing the anticipated manner in which it may endanger 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, via 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.
- 7.4 The Permit Holder shall submit an **Environmental Annual Report** to the EPA on your compliance with this Environmental Permit (Renewed) on or before **March 31, of each year**.
- 7.5 The Permit Holder shall notify the EPA within **twenty-four (24) hours** 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).
- 7.6 The Permit Holder shall 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.
- 7.7 The Permit Holder shall Notify the Agency within **twenty-one (21) days** in the event of death, bankruptcy, liquidation or receivership of the Permit Holder or if the Company becomes a party to an amalgamation.
- 7.8 The Permit Holder shall be responsible to ensure the permitted activity and premises are secured and that all practicable steps necessary to prevent pollution, fires, explosions, leaks or leaks and spills at the permitted premises are taken.

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**.

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- 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, Cap. 20:05, Laws of Guyana.**
- 8.3 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.**
- 8.4 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 (Renewed), pursuant to **s. 19 of the Environmental Protection Act, Cap. 20:05, Laws of Guyana.**
- 8.5 The Permit Holder shall be liable to compensate any person who suffers any loss or damage as a result of contravening conditions 6.3 and 6.4 of this Environmental Permit (Renewed), pursuant to **s. 19 of the Environmental Protection Act, Cap. 20:05, Laws of Guyana.**
- 8.6 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.
- 8.7 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.
- 8.8 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.**
- 8.9 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.**

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- 8.10 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, the **Environmental Protection (Amendment) Act, 2005**, and **Environmental Protection (Authorisations) Regulations, 2000**.
- 8.11 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.
- 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 effective for the period stipulated herein, **June 2024 to May 2029**.
- 8.14 This Environmental Permit shall remain valid until **May 31, 2029**, unless otherwise suspended, cancelled, modified or varied, in accordance with the **Environmental Protection Act, Cap. 20:05, Laws of Guyana, Environmental Protection (Amendment) Act, 2005**, and the **Environmental Protection (Authorisations) Regulations, 2000**.
- 8.15 This Environmental Permit shall be renewed by submitting "an Application for Renewal of Environmental Authorisation to the Agency at least six (6) months before this Permit expires, that is, no later than **November 30, 2028**."
- 8.16 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 fees, 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.
- 8.17 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.**

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20:05, Laws of Guyana, the Environmental Protection Regulations and other applicable Laws of Guyana.

Signed by  on behalf of the Environmental Protection Agency.



Date 10.6.2024.

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, Laws of Guyana, the Environmental Protection (Amendment) Act, 2005, the Environmental Protection (Authorisations) Regulations, 2000, and any forthcoming regulations, best practices, guidelines and standards made under this Act.

NAME:	TRICIA BEEPAT
SIGNATURE:	
DESIGNATION:	OWNER
DATE:	10 th June 2024





Environmental Protection Agency

Head Office - Ganges Street, Sophia-Georgetown, Guyana

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Linden (LEN-Buildings, Mackenzie)

Received From:

Plasma Rock Res. Database Updated

Date:

22 DEC 2005

28179

File Copy

\$105,225.00

PAID

10 JUN 2006

The Sum of: One Hundred Five Thousand and Twenty Five Dollars

For: Environmental Permit small - generation Plasma Rock Res.

Cash Cheques ☒ Wire Transfer ☐

PAID

Balance due

Amt. \$

Signature:

[Signature]

Date: 210.45

