



**Environmental
Protection
Agency**

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Environmental Permit (Renewed)

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.:	20160412-EABRO
Fee:	Small (C1) – US\$500 (5 years) i.e. US\$100 per year
Fees Paid:	US\$500: Five (5) years (June, 2024 to May, 2029)

Addressee: Ms. Nicole Correia
Proprietor
Baganara Island Resort
23 “E” Courida Park, Ogle,
East Coast Demerara

Activity: Operation of a Resort

Ms. Nicole Correia, trading and operating under the name Baganara Island Resort, herein referred to as the “Permit Holder”, is hereby authorised 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, for the operation of a Resort located at Baganara Island Essequibo River, hereinafter referred to as “the Project”, in the manner indicated in the Application submitted on March 17, 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, best practices, guidelines and standards relevant to this project.

This is a Renewal of Environmental Permit, Reference No. 20160412-EABRO issued on June 1, 2018 and expired on March 31, 2023. This Environmental Permit (Renewed) is issued pursuant to the Environmental Protection (Authorisations) Regulations, 2000

Terms and Conditions to be adhered to by the Permit Holder, His Servants, Agents and/or Sub-Contractor(s):


R.P.

Environmental Permit - Ref. No.: 20141119-SMSHO

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1.0 GENERAL

1.1 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;
- 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 Adhere to requirements of the **Occupational Health and Safety Act, Cap 99:10, Laws of Guyana.**

1.3 Submit to the Environmental Protection Agency within three months of issuance of this Environmental Authorisation, the Hydromet Approval and Water Quality test results.

Maintain approval from the Guyana Fire Service and provide fire protection measures in accordance with this approval.

1.4 Employ or designate an employee to serve in the role of **Occupational Health and Safety (OHS)/Environmental Officer** responsible for the implementation and coordination of all safety requirements and terms and conditions stipulated in this Permit, as well as, compliance monitoring and preparation of all EPA-required Reports.

1.5 The working environment shall be monitored at all times for occupational hazards.

1.6 Make all employees, and third-parties under your direction, aware of the conditions of the Environmental Authorisation and provide training on good environmental practices.

1.7 Comply with Regulation **6(1)** of the **Environmental Protection (Expanded Polystyrene Ban) Regulations, 2015**, which states that "*no food service establishment shall sell or provide food for consumption, either on or off the said establishment's premises, in expanded polystyrene food service products.*"



R.P.

2.0 WATER AND SOIL QUALITY MANAGEMENT

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

2.2 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 should not be exceeded:

Total Suspended Solid (TSS) < 100 mg/L;
Total Dissolved Solid (TDS) < 40 mg/L;
Oil and Grease < 20 mg/L.

2.3 Monitor drinking water quality at the storage tanks according to the World Health Organization (WHO) 2006, Guideline for Drinking Water Quality First Addendum to Third Edition, Volume One, not exceeding the limits shown in the table below:

Microbiological Parameters	WHO Standards (2006)
E. coli	0/100 mL
Total Coliform	0/100 mL

2.4 Do not discharge or dump liquid or solid wastes and/or trade effluent directly into receiving waters. Construct and maintain an Oil Water Separator before any liquid is released into existing waterways.

2.5 Ensure that all stormwater drains are regularly maintained and remain in effective operating condition during the life of the permit. Also, ensure they are protected from activities that would reduce their effectiveness. As such, the drainage must be kept free-flowing and free of debris. Maintain oil-water separators at the final discharge points of the facility.

2.6 Avoid soil and water contamination from fuel, grease, waste oils and other petroleum products that might be used at the project site. Ensure all oils, fuel, paints and chemicals are stored in a designated area.

2.7 Store fuel in a secured designated area to prevent accidental release into the surrounding environment, especially in rainy conditions. The designated area should not be within 100 m of surrounding water bodies. Store all chemicals in leak-proof containers that are kept under water-resistant cover and

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- 2.8 surrounded by secondary containment structures (e.g., spill berms, decks, spill containment pallets), OR provide equivalent measures designed and maintained to minimize the potential discharge of treatment chemicals in stormwater and external waterways.
- 2.9 As far as practicable, conduct refuelling, oil changes and maintenance of vehicles machinery and other equipment on an impervious base. Oil spills should be cleaned up by the best practicable means.
- 2.10 Avoid excessive or inappropriate use of cleaning chemicals. The use of biodegradable/water-based cleaning products is encouraged.
- 2.11 Monitor ground water levels and changes. Modify extraction rates as necessary to prevent unacceptable adverse current and future impacts, considering future increases in demand.
- 2.12 Monitor the groundwater well for heavy metals, pH, Total Dissolved Solids (TDS), Nitrates once every five years and for bacteria on a bi-annual basis and ensure that the following parameters are in accordance with the World Health Organisation (WHO) Drinking Water Quality Standards (1993), Guidelines for potable water, not exceeding the limits shown in the following table: Submit the data required to the Agency as a component of the **Environmental Annual Report**

Parameters	WHO Standards (1993)
Heavy metals	mg/L
Iron	0.3
Copper	2.0
Lead	0.01
Zinc	3.0
Manganese	0.4
Parameters to be tested	
pH	(6.0 - 8.5) pH units

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Nitrates	50
Total Dissolved Solids (TDS)	500
Microbiological Parameters Tested twice yearly	WHO Standards (1993)
<i>E. coli</i>	0 count/100ml
Total coliform	0 count/100ml

3.0 AIR QUALITY MANAGEMENT and NOISE ABATEMENT

3.1 Strictly comply with the **Environmental Protection (Air Quality) Regulations, 2000** and the **Environmental Protection (Noise Management) Regulations 2000**.

3.2 Noise emissions shall not exceed the Guyana National Bureau of Standards (GNBS) ***Guidelines for Noise Emissions into the Environment*** as stated below.

Residential Limits: 75 dB (Day-time (06:00 h-18:00 h))
60 dB (Night-time (18:00 h - 06:00 h))

3.3 Ensure generators are situated away from sensitive receptors with their exhaust stacks at a sufficient distance from other buildings. Exhaust stacks should be at least 2 metres higher than the tallest building nearby, so as to minimise adverse fumes/soot impacts to contiguous areas. ***Inform the Agency in writing if this requirement conflicts with the regulations of the Guyana Civil Aviation Authority (GCAA).***

3.4 Monitor ambient air quality to determine compliance with the World Health Organisation (WHO) **Air Quality Guidelines for Particulate Matter in the Environment**, not exceeding the limits below:

PM_{2.5}: 25 µg/m₃ 24-hour mean

PM₁₀: 50 µg/m₃ 24-hour mean

3.5 All equipment capable of causing, or preventing, emissions shall be maintained in accordance with manufacturer's instructions. An Annual maintenance schedule shall be submitted as a component of the **Annual Report**.

- 3.6 Record, investigate and address complaints of excessive noise, dust and vibrations from the public promptly upon receipt. Maintain a record of all complaints received and the action taken. Records of complaint investigation shall be submitted to the Agency within twenty-four (24) hours of investigation.

4.0 FUEL AND HAZARDOUS/ WASTE MANAGEMENT

- 4.1 Strictly adhere to the provisions of the **Environmental Protection (Litter Enforcement) Regulations 2013** and the **Environmental Protection (Hazardous Waste Management) Regulations, 2000**.

- 4.2 Maintain good housekeeping, sanitary and hygienic practices and the aesthetic quality of the surroundings at all times.

- 4.3 Promote proper solid waste management and disposal practices at the project site, place covered garbage receptacles at strategic locations around the project site, and disposed of by a competent disposal company/authority.

- 4.5 Dumping of waste into the surrounding environment is **strictly prohibited**. Waste, inclusive of waste oil and/or fuel, should not be stored within 10 meters of any waterways.

- 4.6 Hazardous waste shall be treated and/or disposed by an EPA authorised 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 **Annual Report**.

- 4.7 Conduct refuelling, oil changes and maintenance of equipment on an impervious base.

- 4.8 Spill equipment shall be available and utilised for containing and mitigating spills from fuel, waste oils, lubricants, paints, etc.

- 4.9 Hazardous contaminated absorbent pads and materials may be disposed of at an incineration operation approved by the Agency or by an approved Waste Disposal Company.

- 4.10 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 labeled and secured. The following warning signs shall be clearly posted:

- a) "Hazardous Waste Storage Area"

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- b) Danger - "Authorised Personnel Only"
 - c) No eating, drinking or smoking
- 4.11 Hazardous waste (e.g. fuel, waste oils, lubricants, etc.) shall be contained in bunded/kerbed storage areas. These areas shall adhere to the following requirements:
 - a) Be situated in low traffic areas.
 - b) No interceptor drains shall be constructed.
 - d) Be bunded to provide 110% containment of the largest volume of hazardous materials stored therein.
- 4.12 Hazardous waste shall be stored in containers appropriate for the waste stream; that is:
 - a) Sealed Plastic Containers
 - i. Water based waste
 - b) Sealed Metal Containers
 - i. Solvents and petroleum-based products
 - ii. Oil and oily absorbents
- 4.13 Adequate toilets, waste disposal and sanitary facilities must be provided at all site(s).

5.0 COMPLIANCE MONITORING AND REPORTING

- 5.1 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.
- 5.2 Monitor the implementation of the conditions of this Environmental Permit, insofar as they involve adherence by employees and all third parties under your direction.
- 5.3 Report to the Agency any non-compliance(s) with this Environmental Permit.
 - 5.3.1 Within **twenty-four (24) hours** of the time the Holder of this Environmental Permit becomes aware of the non-compliance, with the anticipated manner in which it may endanger human health or the environment may be impacted.
 - 5.3.2 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

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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.

5.4 Submit an **Annual Report** to the EPA at the end of the construction year (February - March) on your compliance with this Permit. The report shall include:

- a. the name, location and type of facility;
- b. types and quantities (in metric units) of hazardous waste generated;
- c. manner of storage, use, any applied treatment standards/methods and disposal of these substances;
- d. data concerning off-site shipments of waste, i.e. local disposal facility utilised, country to which hazardous waste is shipped, purpose of shipment and amount of waste shipped;
- e. a summary of any accidents that may have occurred and any action taken; any waste minimisation efforts undertaken by your facility for hazardous material/waste; and any other matter the Agency may require.
- f. any waste minimisation efforts undertaken by your facility for hazardous material/waste; and
- g. any other matter the Agency may require.

The Agency considers all materials listed in Schedules I and II of the **Environmental Protection (Hazardous Waste Management) Regulations, 2000**, to be hazardous.

5.5 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)

5.6 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.

5.7 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.

6.0 INSTITUTIONAL AUTHORITY/LIABILITIES



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- 6.1 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.**
- 6.2 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.**
- 6.3 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.**
- 6.4 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.**
- 6.5 The Permit Holder shall be liable to compensate any person who suffers any loss or damage as a result of contravening conditions 6.3 of this Environmental Permit pursuant to **s. 19** of the **Environmental Protection Act, Cap. 20:05, Laws of Guyana.**
- 6.6 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.
- 6.7 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.
- 6.8 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.**
- 6.9 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

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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.**

- 6.10 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.**
- 6.11 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.
- 6.12 The EPA has the right to modify, cancel or suspend this Permit for breach of any of the terms and conditions contained herein.
- 6.13 This Environmental Permit is not the final consent; all relevant Permissions should be obtained from other regulatory bodies for continued operation.
- 6.14 This **Environmental Permit (Renewed)** is effective for the period stipulated herein, **June 2024 to May 2029.**
- 6.15 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.**
- 6.16 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.**
- 6.17 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 fees, a late penalty fee (accruing at the time such obligation was first owed for renewal) at a rate of **two thousand dollars (GY\$2,000.00) per day for every business day late**, until such renewal application is submitted to the Agency,

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without prejudice to any other rights of the Permit Holder in connection therewith.

- 6.18 Failure to comply with the requirements of this Environmental Permit shall render the Permit Holder liable to prosecution and to penalties prescribed under the **Environmental Protection Act, Cap. 20:05**, Laws of Guyana, the **Environmental Protection (Amendment) Act, 2005**, and the **Environmental Protection Regulations, 2000**, including civil penalties and injunctive relief.

signed by Sharifah Razack on behalf of the Environmental Protection Agency.
fr **Kemraj Parsram**
Executive Director

Date 2024.06.21

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, 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:	RAVENPRA PERSAUD
SIGNATURE:	R. Persaud
DESIGNATION:	3 rd OSH Officer
DATE:	2. July 24

