



**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.:	20210120-HYISR
Fee:	Small (C2) - US\$175 per year
Fees Paid:	US\$875 (5 years - November, 2022 to October, 2027)

Addressee(s): Mr. Havendra Sookraj, Ms. Indira Sookraj and Mr. Yuvindra Sookraj
Proprietor(s)
Outback Adventures
Lot 10-10
Main and Church Streets
New Amsterdam
Berbice.

Activity: Operation of a Family Fun Park and Resort

Mr. Havendra Sookraj, Ms. Indira Sookraj and Mr. Yuvindra Sookraj, trading and operating under the name, Outback Adventures, herein after 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, to operate Outback Adventures Family Fun Park and Resort located at 10 Plantation Goldstone Hall, East Canje, Berbice, hereinafter referred to as "the Project", in the manner indicated in the Application submitted on January 20, 2021, subject to the terms and conditions set forth herein and in any existing or forthcoming regulations made under the said Environmental Protection Act and/or any other applicable laws, best practices, guidelines and standards relevant to this project.

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

1.0 GENERAL

- 1.1 Make an application to the Environmental Protection Agency to vary this Permit in instances where it becomes necessary to:
 - I. Changes in construction, structure, layout of the facility;
 - II. Installation of new and/or changes to equipment, machine, apparatus, mechanism, system or technology serving the facility or operation;
 - III. Any technology used or installed at the facility from which effluent may be emitted from; and
 - IV. Affect any other change outlined in **20(3)** of the **Environmental Protection (Authorisations) Regulations**.
- 1.2 Make all employees, and Third Parties under your direction, aware of the conditions of the Permit and provide training on good environmental management practices.
- 1.3 Assign a person to be responsible for all environmental matters of the facility and ensure the communication of the name, contact details and designation of such person is submitted to the Agency.
- 1.4 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.”*
- 1.5 Maintain good house-keeping, sanitary and hygienic practices, and improvement in the aesthetic quality of the surroundings at all times.
- 1.6 All pest control applications shall be conducted by a pest control operative who is trained by the Pesticides and Toxic Chemicals Control Board (PTCCB).
- 1.7 Adhere to the requirements of the **Occupational Safety and Health Act, Cap. 99:01, Laws, of Guyana**.
- 1.9 Promote the conservation and efficient use of energy.
- 1.10 Renew Fire Safety Certificate annually and submit to Officers of the Agency upon request during compliance inspections and in the **Annual Report**.
 - 1.10.1 Maintain adequate fire protection measures in accordance with this approval.



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- 1.11 The Evacuation Plan for the resort must be posted in a conspicuous location on each floor.
- 1.12 Submit to the Agency, within **thirty (30) working days** of issuance of this Permit, a detailed Waste Management Plan for the facility.

2.0 AIR QUALITY AND NOISE MANAGEMENT

- 2.1. Adhere to the provisions of the **Environmental Protection (Air Quality) Regulations, 2000** and the **Environmental Protection (Noise Management) Regulations, 2000**.
- 2.2. Comply with Guyana National Bureau of Standards (GNBS) *Guidelines for Noise Emissions into the Environment*, not exceeding the recreational limits listed below, at a distance of 15 metres (50 feet) from the source or property boundary.

Residential limits:	75 dB (Day-time (06:00 h-18:00 h))
	60 dB (Night – time (18:00 h - 06:00 h))
- 2.3. Noisy activities and use of sound-making devices, shall not be permitted between the hours of **23:00h to 06:00h**, or unless permission is *otherwise* granted by the Environmental Protection Agency.
- 2.4. Enclose all sound-making devices, such as generators, in structures constructed with materials of good insulation properties (e.g., hollow concrete blocks, insulation boards, solid clay bricks, etc.); equip these devices with silencers/mufflers to reduce the noise level and placed them on foundations adequately designed to effectively dampen vibrations.
- 2.5. Service generator and air conditioning units to ensure efficiency, and to reduce air and noise emissions into the environment. A summarised maintenance report shall be kept and provided to the Agency upon request.
- 2.6. Exhaust stacks of the generator and stove shall be at an appropriate height, preferably at least two (2) metres above the tallest nearby building, to minimize adverse fumes/soot impacts to the contiguous areas.

3.0 WATER QUALITY

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



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3.2 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

3.3 Maintain the integrity of 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.

3.4 Conduct water quality monitoring of effluent generated by the facility for the parameters identified above, on an annual basis and submit reports to the EPA. Sample points should include the final discharge point(s) from the facility, as well as an upstream and downstream sample from the receiving body of water.

3.5 Operate and maintain the swimming pool in a clean, safe and sanitary manner at all times. The bottom and sidewalls of the swimming pool shall be kept free of sediment and debris, and the pool water surface shall be kept free of visible floating matter daily, or as needed.

3.6 Ensure the pool attendant is equipped with adequate Personal Protective Equipment (PPE) when handling chemicals at all times.

3.7 A report on the recirculation and disposal of swimming pool water, shall be prepared clearly detailing the filtration, purification and dilution processes that occur prior to the discharge of water from swimming pool into the drains or environment. Records of tests readings for effluent must be submitted in the Annual Report and be available to Environmental Officers on request during compliance inspections.

3.8 Direct all waste lines and drains carrying grease, fats, or culinary oil, or similar waste products from the resort's kitchen area into one or more grease trap interceptors. All required grease trap interceptors shall:



- Be constructed of durable, corrosion-resistant materials and shall have water-tight covers securely fastened in place.
- Have a flow rate sufficient to handle the maximum demand of the connected system.
- Be installed at strategic locations to allow accessibility for convenient removal of the lid and internal contents.
- Designed and installed with proper venting so that they do not become air bound.

3.9 Do not discharge trade effluent directly into receiving waters without prior treatment. An oil/water separator should be installed at strategic location, through which all effluent must pass before final discharge.

3.10 Conduct daily swimming pool water quality testing for pH and chlorine. These records should be kept for submission in the Annual Report.

3.11 Avoid excessive or inappropriate use of cleaning chemicals. Use of biodegradable/ water-based cleaning products is encouraged.

3.12 Store all oils, fuel, paints and chemicals in a designated area, at least 10 m away from watercourses on an impervious base to minimise adverse impacts to the environment in the event of spillage.

3.13 Promote the conservation of water resources by installation of low-flow fixtures, as far as practicable.

3.14 Maintain the drainage systems to allow for the handling of maximum precipitation during storm event.

4.0 WASTE MANAGEMENT (HAZARDOUS AND NON-HAZARDOUS)

4.1 Adhere to the provisions of the **Environmental Protection (Litter Enforcement) Regulations 2013**.

4.2 Provide covered garbage receptacles at strategic locations, both within and outside the established buildings of the site. 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.

4.3 Waste materials shall not be burnt on site. All solid waste shall be disposed at an approved Solid Waste Disposal Site by an EPA Authorised Waste Disposal Company.

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- 4.4 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.
- 4.5 Maintain a septic system on site at all times. The septic tank should not be located within 1.5 m of a building or property boundary and should be accessible for cleaning and de-sludging. Any modification to the Septic tanks must be in accordance with the Guyana National Bureau of Standards (GNBS) *Code of Practice for the Design and Construction of Septic Tanks and Associated Secondary Treatment and Disposal Systems*.
- 4.6 Adhere to the provisions of **the Environmental Protection (Hazardous Wastes Management) Regulations 2000**.
- 4.7 Prepare and submit to the Agency no later than **forty-five (45) days** after the end of the operating year, a report relating to the activities for the previous year (please see attached form). 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 Wastes Management) Regulations, 2000**, to be hazardous.

- 4.8 Store all fuel away from ignition sources and have '**No Smoking**' signs posted where fuel is handled or stored.
- 4.9 Treat and contain spills of even a minor nature with absorbent materials.
- 4.10 Oil/fuel containment adsorbent materials are appropriately stored in a concrete-based structure and away from water ways and disposed by double wrapping in heavy duty garbage bags and disposed of at an approved solid waste disposal site.

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- 4.11 Maintain an impervious secondary containment bund which should have at least 110% containment capacity around all fuel storage tanks, creating a temporary holding area in the event of spillage.
- 4.12 Store waste oil (recovered from oil-water separator or from servicing of generators) in a covered, bunded area to minimise adverse impacts to the environment in the event of spillage.
- 4.13 Designate areas for the storage of the following:
- Fuel;
 - Chemicals used for pool maintenance;
 - First Aid Kit(s); and
 - Washing detergents; and Sanitizers (J's Fluid, Pine Sol, etc.) for the facility.

5.0 EMERGENCY MANAGEMENT

- 5.1 Notify the Environmental Protection Agency **within one (1) hour** of the occurrence of any environmental emergencies (e.g., oil spills, hazardous materials/wastes, 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).
- 5.2 Submit to the Agency, **within thirty (30) days** of issuance of this Permit, a detailed Emergency Preparedness Plan (EPP) for the Resort. The Company shall respond to all environmental emergencies (e.g., fuel spills, fires, etc.) in accordance with EPP submitted to the EPA. That includes:
- I. The accident prevention procedures.
 - II. First person response.
 - III. Notification procedures.
 - IV. Location of clean-up equipment.
 - V. An analysis of potential accident and responses.
 - VI. Safety Data Sheets (SDS) for all materials which could be spilled.
- 5.3 Maintain the Guyana Fire Service approval for the operation of the facility. Further,
- I. Maintain adequate fire protection measures such as the placement of fighting equipment e.g., fire extinguishers and sand buckets, at visible location on site, in accordance with the guidelines established by the Guyana Fire Service.
 - II. All firefighting equipment **MUST** be regularly maintained and/or serviced and training, on the use of all equipment, **MUST** be provided to all employees.



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- 5.4 All employees shall be trained in emergency procedures and protocol.
- 5.5 Workers shall be trained to use firefighting equipment and firefighting protocols.
- 5.6 Ensure that the fire escape routes are clearly defined and has emergency lighting in accordance with the requirements of the Guyana Fire Service.

6.0 COMPLIANCE MONITORING AND REPORTING

- 6.1 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.
- 6.2 Monitor the implementation of the conditions of this Environmental Permit, insofar as they involve adherence by employees and all third parties under your direction.
- 6.3 Report to the Agency any non-compliance(s) with this Environmental Permit.
 - 6.3.1 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.
 - 6.3.2 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 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.
- 6.4 Notify the Agency 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).
- 6.5 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.
- 6.6 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.



6.7 Submit **Annual Report** to the EPA on your compliance with this Environmental Permit on or before **March 31, each year**.

6.8 It is the responsibility of the Permit Holder to ensure that 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, 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 6.3 and 6.4 of this Environmental Permit, 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.

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- 7.8 Should the Permit Holder contravene or be likely to contravene any condition of this Permit, the Agency 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 Agency 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.**
- 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 is not the final consent; all relevant permissions shall be obtained from other Regulatory Bodies for the operation of the facility.**
- 7.14 This Environmental Permit is effective for the period stipulated herein, **November, 2022 to October, 2027.**
- 7.15 This Environmental Permit shall remain valid until **October 31, 2027**, 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.**
- 7.16 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 **April 30, 2027.**

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- 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 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.
- 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 Laws of Guyana.

Signed by  on behalf of the Environmental Protection Agency.

Executive Director

Date 2022-11-07

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

NAME:	YUVINDRA PERSAUD SOOTHAS
DESIGNATION:	OWNER
SIGNATURE:	Y.P. Soothas
DATE:	2023/03/09



