



**Environmental
Protection
Agency**

Ganges Street, Sophia,
Georgetown, GUYANA
Tel.: (592) 225-0506
Fax: (592) 225-5481
Email: epa@epaguyana.org
Website: <http://www.epaguyana.org>

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.:	20230331-PACRP
Fee:	Small (C2) - US\$175 per year
Fees paid:	US\$875: Five (5) Years (July, 2023 to June, 2028)

Addressee(s): Mr. Fitzroy Sealey
Protected Areas Commission,
National Park
Thomas Lands,
Georgetown.

Activity: Construction and Operation of Recreational Park.

Protected Areas Commission, hereinafter referred to as the "Permit Holder", is hereby authorized in accordance with the Environmental Protection Act, Cap 20:05, Laws of Guyana, Environmental Protection (Amendment) Act, 2005, and the Environmental Protection (Authorizations) Regulations, 2000, to operate a Recreational Park, located at Joe Vieira Park, West Bank Demerara, Guyana, hereinafter referred to as "the Project", in the manner indicated in the Application submitted on March 31, 2023, subject to the terms and conditions set forth herein under the Environmental Protection Act, Cap. 20:05, existing and/or forthcoming regulations made under the said Act and/or any other applicable laws, 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 Notify the Agency in writing of any proposed changes in the construction and operation of the Shore Base and Wharf or dredging plan at least **fourteen (14) days before**

JP WP

Environmental Permit - Ref. No.20230331-PACRP

Issued under of the Environmental Protection Act, Cap 20:05, Laws of Guyana, the Environmental Protection (Amendment) Act, 2005, and the Environmental Protection (Authorisations) Regulations, 2000.

making the change. The notification shall contain a **description of the proposed change in construction**. It is not necessary to make such a notification if an **application to vary** this permit has been made and the Application contains a description of the proposed change. In this condition '**change in construction or operation**' includes but is not limited to, any change in the nature or functioning, or an extension, of the installation, which may have consequences for the environment.

Note: For more details on the application for a variance of an environmental authorisation, please see **Regulation 20** of the **Environmental Protection (Authorisations) Regulations 2000**.

- 1.2 Adhere to requirements of the **Occupational Health and Safety Act, Cap 99:10, Laws of Guyana**.
- 1.3 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
- 1.4 Ensure that employees are always equipped with appropriate protective gear during construction and operation such as protective headgear, respirators, safety vests, construction boots, etc.
- 1.5 Avoid construction works between 20:00 hrs and 06:00 hrs on any day. However, for a continuous concrete pour, prior approval must be sought from the EPA.
- 1.6 Utilize the land in accordance with the plan submitted to the Agency. All specifications of location, pathways, reserve and boundary lines must be adhered to, unless otherwise authorized; evidence of which must be provided to the Agency.
- 1.7 In the event that materials have to be transported to the construction site, ensure that all trucks/vehicles used to transport construction materials to the site are covered.
- 1.8 Identify suitable areas for material stockpiles and equipment during construction and operation.
- 1.9 Avoid any road traffic hazards or unnecessary inconveniences to the general public through appropriate planning and management of the construction site.

2.0 AIR AND NOISE QUALITY 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 residential limits listed below, at a distance of 15 meters (50 feet) from the source or property boundary.

Environmental Permit - Ref. No.20230331-PACRP

Issued under of the Environmental Protection Act, Cap 20:05, Laws of Guyana, the Environmental Protection (Amendment) Act, 2005, and the Environmental Protection (Authorisations) Regulations, 2000.

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

- 2.3 Use of sound-making devices and other noisy activities, 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 Ensure all significant noise-producing equipment, e.g., generators etc. are equipped with appropriate silencers or mufflers and/or are enclosed in suitable acoustic enclosures where necessary to reduce noise levels impacting the surrounding environment to achieve compliance with GNBS requirement.
- 2.5 Ensure that the generator and air conditioning units are regularly serviced to ensure efficiency, and reduce air and noise emissions into the environment. The summarised maintenance report shall be submitted to the Agency as a component of the **Annual Report** referred to within in condition 7.6.
- 2.6 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 Respond to complaints by any citizen or authority to lower the volume of sound-making equipment, if the noise is excessive.

3.0 WATER QUALITY

- 3.1 Adhere to the provisions of the **Environmental Protection (Water Quality) Regulations, 2000**.
- 3.2 Maintain the integrity of the existing waterways at all times. Discharges into the environment must 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.
 - Chloride < 0.2 mg/L
- 3.3 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.

Environmental Permit - Ref. No.20230331-PACRP

Issued under of the Environmental Protection Act, Cap 20:05, Laws of Guyana, the Environmental Protection (Amendment) Act, 2005, and the Environmental Protection (Authorisations) Regulations, 2000.

- 3.4 Take all appropriate and necessary precautions to ensure, avoid and/or mitigate erosion, siltation and sedimentation of the Demerara River during the construction and operation of the project.
- 3.5 Monitor the water storage tanks by sampling one of the taps connecting to each tank for total Coliform and *E. coli* **annually** (*during the dry and wet seasons*) and submit the results to the EPA within the **Annual Report**. Comply with 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)
<i>E. coli</i>	0/100 mL
Total Coliform	0/100 mL

- 3.6 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.
- 3.7 Ensure that the perimeter drainage is kept free-flowing and free of debris and vegetation. Regular cleaning of the drainage network and the immediate environment must be maintained.
- 3.8 Maintain drainage systems capable of handling the probable maximum precipitation storm event.
- 3.9 Do not discharge or dump solid waste and/or trade effluent directly into receiving waters. An oil-water separator should be installed at a strategic location, through which all effluent must pass before final discharge and maintained.
- 3.10 Avoid excessive or inappropriate use of cleaning chemicals. Use of biodegradable/water-based cleaning products is encouraged.

4.0 WASTE MANAGEMENT

- 4.1 Adhere to the provisions of the **Environmental Protection (Litter Enforcement) Regulations, 2013**.
- 4.2 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 Provide covered garbage receptacles at strategic locations, both within and outside the established buildings of the Recreational Park. At all times, garbage receptacles, both inside and outside of the facility, should be emptied, cleaned and maintained on a regular basis, to

Environmental Permit - Ref. No.20230331-PACRP

Issued under of the Environmental Protection Act, Cap 20:05, Laws of Guyana, the Environmental Protection (Amendment) Act, 2005, and the Environmental Protection (Authorisations) Regulations, 2000.

prevent the fall or flow of garbage in the surrounding environment and attraction of rodents and other vermin.

4.4 Direct all waste lines and drains carrying grease, fats, or culinary oil, or similar waste products from kitchens or food processing areas from the Recreational Park into one or more grease trap interceptors. All required grease trap interceptors shall comply with the following:

- (i) Material and covers. Grease interceptors shall be constructed of durable corrosion-resistant materials and shall have water-tight covers securely fastened in place.
- (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.

4.5 Promote the use of collected oils / fats for bio-fuel.

4.6 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 **Annual Report**.

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

5.0 HAZARDOUS WASTE MANAGEMENT

5.1 Strictly adhere to the provisions of the **Environmental Protection (Hazardous Waste Management) Regulations, 2000**.

5.2 Hazardous waste shall 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 **Annual Report**.

5.3 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

Environmental Permit - Ref. No.20230331-PACRP

Issued under of the Environmental Protection Act, Cap 20:05, Laws of Guyana, the Environmental Protection (Amendment) Act, 2005, and the Environmental Protection (Authorisations) Regulations, 2000.

- 5.4 Hazardous waste shall be contained in bunded/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 bunded to provide 110% containment of the largest volume of hazardous materials stored therein.
- 5.5 Hazardous waste shall be stored in containers appropriate for the waste stream; that is:
- I. Sealed Plastic Containers
 - a. Water-based waste
 - II. Sealed Metal Containers
 - a. Solvents and petroleum-based products
 - b. Oil and oily absorbents
- 5.6 Hazardous waste/materials storage containers shall 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 Conduct refueling, oil changes and maintenance of equipment on an impervious base.
- 5.8 Spill equipment shall be available and utilized for containing and mitigating spills from fuel, bitumen, waste oils, lubricants, curing compounds, concrete admixtures, paints, etc.

6.0 EMERGENCY MANAGEMENT

- 6.1 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 Ensure all firefighting equipment are maintained and serviced regularly and provide training on the use of the equipment.
- 6.3 Maintain a regularly updated evacuation plan for the Recreational Park. Ensure that the evacuation plan is posted in conspicuous locations on site.
- 6.4 Maintain 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.
- 6.5 Ensure that the fire escape routes are clearly defined and has emergency lighting in accordance with the requirements of the Guyana Fire Service.

Environmental Permit - Ref. No.20230331-PACRP

Issued under of the Environmental Protection Act, Cap 20:05, Laws of Guyana, the Environmental Protection (Amendment) Act, 2005, and the Environmental Protection (Authorisations) Regulations, 2000.

6.6 Ensure the Fire Safety Certificate is renewed yearly and submitted to Officers upon request during compliance inspections and in the **Annual Report**.

7.0 COMPLIANCE MONITORING AND REPORTING

- 7.1 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.
- 7.2 Monitor the implementation of the conditions of this Operation Permit (Renewed), insofar as they involve adherence by employees and all third parties under your direction.
- 7.3 Report to the Agency any non-compliance(s) with this **Environmental Permit**:
- Within **twenty-four (24) hours** of the time the Holder of the Operation Permit (Renewed) becomes aware of the non-compliance, the anticipated manner in which it may endanger human health or the environment.
 - Within **seventy-two (72) hours**, submit to the Agency a written report containing a description of the non-compliance, its cause and the period of non-compliance including exact dates and time.
- 7.4 Submit a report to the Agency indicating the reasons and the anticipated time it is expected to continue if the non-compliance(s) has not been corrected.
- 7.5 Notify the EPA within **twenty-four (24) hours** of the occurrence of any environmental emergencies such as a sudden onset of disaster, accident, 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 Submit **Environmental Annual Reports** to the EPA on or before **March 31** every year on your compliance with this Permit.
- 7.7 Inform the Agency prior to or within **thirty (30) days** of any change of name or ownership of the project.
- 7.8 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.

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**.

Environmental Permit - Ref. No.20230331-PACRP

Issued under of the Environmental Protection Act, Cap 20:05, Laws of Guyana, the Environmental Protection (Amendment) Act, 2005, and the Environmental Protection (Authorisations) Regulations, 2000.

- 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.**

Environmental Permit - Ref. No.20230331-PACRP

Issued under of the Environmental Protection Act, Cap 20:05, Laws of Guyana, the Environmental Protection (Amendment) Act, 2005, and the Environmental Protection (Authorisations) Regulations, 2000.

- 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, **July 2023 to June 2028**.
- 8.14 This Environmental Permit shall remain valid until **December 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 (Authorizations) 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 **December 31, 2027**."
- 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. 20:05, Laws of Guyana**, the Environmental Protection Regulations and other applicable Laws of Guyana.

Environmental Permit - Ref. No.20230331-PACRP

Issued under of the Environmental Protection Act, Cap 20:05, Laws of Guyana, the Environmental Protection (Amendment) Act, 2005, and the Environmental Protection (Authorisations) Regulations, 2000.

Signed by  on behalf of the Environmental Protection Agency.

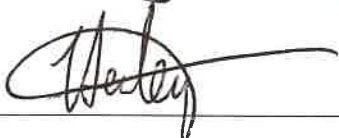
Kemraj Parsram
Executive Director

Date

26.

Executive Director

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 (Authorizations) Regulations, 2000, and any forthcoming regulations, best practices, guidelines and standards made under this Act.

NAME:	Fitzroy Sealey
SIGNATURE:	
DESIGNATION:	Assistant Commissioner
DATE:	27 th July, 2023





Government of the Co-operative Republic of Guyana
Environmental Protection Agency



July 26, 2023

20230331-PACRP

Mr. Fitzroy Sealey
Assistant Commissioner
Protected Areas Commission
National Park
Thomas Lands,
Georgetown.



Dear Mr. Sealey,

Re: Environmental Permit for the Construction and Operation of Guyana
China Friendship Joe Vieira Park Project.

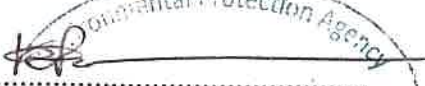

The Environmental Protection Agency (EPA) has prepared an Environmental Permit for the Construction and Operation of a Recreational Park, at Joe Vieira Park, West Bank Demerara, Guyana.

Please sign the Environmental Permit to indicate your acceptance of its terms, conditions and agreement, to comply with the statutory requirements of the Environmental Protection Act, Cap. 20:05, Laws of Guyana, the Environmental Protection (Amendment) Act, 2005, and the Environmental Protection Regulations.

The cost for the Environmental Permit is **US\$875 for five (5) years**. You are required to pay this fee or its equivalent in Guyana dollars, using the Bank of Guyana daily exchange rate. Payment can be made to the Environmental Protection Agency by cash, wire transfer, Manager's or Personal Cheque in Guyana dollars. Please note that Personal Cheque written in United States Dollars will NOT be accepted.

Should you have any questions or need any clarification, please do not hesitate to make contact with **Mr Elon Sooknanan, Head of the Public Infrastructure, Transportation & Tourism**, on telephone number 225-5471 (Ext. 2364) or email esooknanan@epaguyana.org.

Yours Sincerely,


.....
Kemraj Parsram
Executive Director


Ganges St., Sophia, Georgetown, GUYANA.

Tel: (592) 225-5467/5471-5472/6044/6048 | Fax: 225-5481

 epa@epaguyana.org |  www.epaguyana.org |  Environmental Protection Agency - Guyana

"The Environment is Guyana's Business"

