



Environmental Permit (Renewed)

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

Reference No.:	20180124-WJHRM
Fee:	Small (C1) - US \$ 100 per year
Fees:	USD 500 (February, 2024 – January, 2029)

Addressee(s): Mr Wilfred Jagnarain
80, Atlantic Gardens
Montrose
East Coast Demerara

Activity: Operation of a Resort

Lake Mainstay Resort 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 Environmental Protection (Authorisations) Regulations, 2000, to operate the Resort, located at Mainstay/Whyaka Village Essequibo Coast Region#2, hereinafter referred to as the “Project”, in a manner indicated in the Application submitted on August 09, 2023 and subject to the terms and conditions set forth herein and any forthcoming regulations, best practices, guidelines and standards relevant to this Project.

Terms and Conditions for Operation:

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:
 - 1.1.1 change the construction, operation, structure, or layout of the facility and all associated buildings;
 - 1.1.2 change equipment, machine, apparatus, mechanism, system or technology serving the facility;

- 1.1.3** change the position and design of any outlet at the point or points of emissions or discharge of effluents; or
- 1.1.4** affect any other change outlined in 20(3) of the Environmental Protection (Authorisations) Regulations.

- 1.2** Notify the Agency in writing of any proposed changes in the operation of the Resort **at least 14 days before making the change**. The notification shall contain a **description of the proposed change in operation**. 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 operation'** means a change in the nature or functioning, or an extension, of the installation, which may have consequences for the environment, including but not limited to the following:
- I. Changes in construction, structure, or 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 discharged.
- 1.3** Utilize the land in accordance with the Central Housing and Planning Authority
- 1.4** (CH&PA) approved site plan submitted to the Agency. All specifications of location, pathways, reserve and boundary lines must be adhered to, unless otherwise authorized.
- 1.5** Obtain and submit to the Agency approval from the Guyana Fire Service within **thirty (30) days** of receipt of this Operation Permit. Further, maintain compliance with the Provisions of the Guyana Fire Service Approval.
- 1.6** Maintain good house-keeping, sanitary and hygienic practices and improvements in the aesthetic quality of your surroundings.
- 1.7** Provide a well-equipped first aid kit at work site and ensure that communication and transportation systems are in place to respond to emergencies.
- 1.8** Make all employees aware of the Conditions of the Operation Permit and provide training **on** good environmental management practices, inclusive of emergency response.

2.0 WATER QUALITY MANAGEMENT

- 2.1** Avoid discharging or disposing untreated effluent directly into the Mainstay Lake. All waste water shall be treated prior to discharge.

2.2 Maintain the grease traps and soak away systems located throughout the Resort i.e., consistent cleaning and damage assessments. Further, any new construction of grease traps shall comply with the following:

- I. Have a flow rate sufficient to handle the maximum demand of the connected system.
- II. Be designed and installed with proper venting to prevent becoming air bound.

2.3 Continue to ensure that waste water from the grease traps is directed into the vegetated area for further treatment by natural filtration.

2.4 Maintain a good drainage system and ensure the land is appropriately prepared to reduce the impacts of flooding.

2.5 Promote water conservation by implementing measures that will restrict wastage and encourage recycling or re-use of wastewater emanating from Project Activities.

2.6 Not wash vehicles or equipment within the Lake.

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

3.0 AIR QUALITY AND NOISE MANAGEMENT:

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

3.2 Maintain a height of not less than 2 meters for the exhaust stacks of the generator to minimise adverse fumes/soot impacts to contiguous areas.

3.3 Ensure operation of all mechanical equipment is done in accordance with manufacturer's specifications. Additionally, ensure that all mechanical equipment and vehicles are regularly maintained and operated at their optimal levels.

3.4 Comply with the *Guyana National Bureau of Standards (GNBS) Guidelines for Noise Emissions into the Environment*, not exceeding the Recreational Limits at a distance of 15 m (50 ft) from the source or at the property boundary, whichever is closer.

- Recreational Limits: Day-time (06:00 h -18:00 h) - **100 dB**
Night-time (18:00 h - 01:00 h) -**70 dB**

3.5 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.

- 3.6 Ensure all equipment and machinery is placed on foundation properly designed to ensure effective damping of vibrations.

4.0 WASTE MANAGEMENT

- 4.1 Promote waste reduction by purchasing only what the facility needs.
- 4.2 In accordance with the Litter Enforcement Regulations, 2013 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 Ensure that the management of solid waste is in-keeping with international best practice, as far as practical. Toward this end, promote the reuse/recycling of solid waste by adapting any or a combination of the following (but not limited to): (i) composting of all organic waste which can be used as manure for the kitchen garden; (ii) burial of non-organic waste at least 100 meters from water sources; and (iii) adopt any other internationally recognized best practices for reusing or recycling of solid waste.
- 4.4 Ensure that mechanisms are in place to facilitate waste separation. Organic waste should be composted and used as fertilizer in the kitchen garden.
- 4.5 Maintain a monthly record of the type, quantity and reuse/disposal method of solid waste produced by the facility. This information must be submitted in the Annual Report.
- 4.6 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 Bureau of Standards (GNBS) Code of Practice for the Design and Construction of Septic Tanks and Associated Secondary Treatment and Disposal Systems.

5.0 HAZARDOUS MATERIALS

- 5.1 Comply with the provisions of the Environmental Protection (Hazardous Wastes Management) Regulations, 2000.

- 5.2 Ensure that waste oil is clearly labeled and stored within a covered, bunded area to minimize adverse impacts to the environment in the event of spillage. The bunded area must be able to provide containment for the maximum volume of waste oil on site.
- 5.3 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. The report shall include:
- The identification information of the facility.
 - Type and quantities of hazardous waste generated.
 - Data concerning off-site shipments of waste
 - Any applied treatment standards
 - A summary of any accidents that may have occurred and any action taken.
 - Any waste minimization efforts undertaken by the generator.
 - A pollution prevention plan for the facility.
 - Any other matter the Agency may require.

The Agency considers all materials listed in Schedule I and II of the Environmental Protection (Hazardous Wastes Management) Regulations, 2000, to be hazardous. Please see attached list of hazardous wastes to be controlled and reporting form.

6.0 COMPLIANCE MONITORING & REPORTING

- 6.1 Notify the Agency within 24 hours of the occurrence of any spills or accidental release of an environmental contaminant.
- 6.2 Establish and maintain a Record of Incidents which should include but not be limited to:
- Date and time of incident;
 - Description of incident;
 - Persons involved in incident;
 - Response measures employed;
 - Remedial measures taken/put in place to prevent the recurrence of incident.
- 6.3 Include a copy of the Incident Record within the **Annual Report** which should be submitted to Officers during Compliance Inspections.
- 6.4 Monitor the conditions of this Permit, insofar as they involve adherence by your employees and all third parties associated with the implementation (operation) of the Project.
- 6.5 Assign an individual responsible for coordinating environmental management,

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monitoring for compliance, reporting to the EPA, implementing the conditions of this Permit.

- 6.6 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.
- 6.7 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.
- 6.8 Submit to the EPA, the **Environmental Annual Reports** on the status of the project, progress of the implementation of the monitoring activities and compliance with the conditions contained herein by **March 31** every year (Please see attached, the *Guidelines for the preparation of Environmental Annual Reports*).
- 6.9 Notify the Agency of non-compliance with this Permit upon becoming aware of any violation.
- 6.10 Comply with any lawful directions given by the EPA from time-to-time in furtherance of the implementation of any international or other obligations for the environmental protection of Guyana.

7.0 INSTITUTIONAL AUTHORITY/LIABILITIES


- 7.1 The Agency reserves the right to conduct regular inspections of the Permit Holder's operation as part of its monitoring and enforcement requirements under the Environmental Protection Act, Cap. 20:05, Laws of Guyana, the Environmental Protection (Amendment) Act, 2005, and the Environmental Protection (Authorisations) Regulations, 2000.
- 7.2 The Agency reserves the right to review/amend the conditions attached to this Permit, which also includes the review and/or amendment of permit fees in consideration of any changes in fee structure as determined by the Agency for projects of this nature.
- 7.3 The Agency shall have the right to cancel or suspend this Permit for breach of any of the terms and conditions contained herein.
- 7.4 The Permit Holder shall, at all times, allow entry to the permitted facility to any Officer designated by the Agency for the purposes of conducting inspections or any other legitimate business of the Agency.
- 7.5 This Environmental Permit is not the final consent; all relevant permissions should be obtained from other regulatory bodies for continued operation.



- 7.6 The Permit Holder shall be strictly liable for any loss or damage to the environment through any act caused intentionally or recklessly, through the adverse effect of any discharge or release, or cause or permit the entry of pollution, contaminant in any amount, concentration or level in excess of that prescribed by the regulations or stipulated by any Environmental Authorization which are attributed to the Project. S. 19(1) EP Act, Cap. 20:05.
- 7.7 The Permit Holder shall compensate any Party who suffers any loss or damage as a result of the attributed project. (Part V, s. 19(3)(e)) EP Act Cap. 20:05.
- 7.8 The Permit Holder shall be responsible for the payment of all costs related to the assessment of damage and costs for the independent assessor (s).
- 7.9 The Agency shall notify the Permit Holder immediately of any written claim or notice sent by any Complainant seeking loss or damage for negligence as a result of the Permit Holder lack of due care and diligence.
- 7.10 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 or discharge, spill, contaminant fluids, oil or lubricants from the fuel storage.
- 7.11 Failure to comply with the requirements of this 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 (Authorisations) Regulations, 2000, including civil penalties and injunctive relief.
- 7.12 The Permit is effective for the period stipulated herein **(February, 2024 to January, 2029)**.
- 7.13 This Environmental Permit shall remain valid until **January 31, 2029**, unless otherwise suspended or revoked in accordance with the provisions of this Permit or the Environmental Protection Act, 1996, the Environmental Protection (Amendment) Act, 2005, and the Environmental Protection (Authorisations) Regulations, 2000.
- 7.14 This Permit must be renewed by submitting a completed *Application Form for Renewal of Environmental Authorisation* to the Agency at least six months before this Permit expires, that is, no later than **July 31, 2028**.

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Signed by  on behalf of the Environmental Protection Agency
for Kemraj Parsram
Executive Director
Executive Director

Date 2024.02.20

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, and the Environmental Protection (Authorisations) Regulations, 2000, and any forthcoming regulations, best practices, guidelines and standards made under this act.

NAME	Muri-Muri
DESIGNATION	Admin. Asst.
SIGNATURE	Muri-Muri
DATE	20 Feb, 2024

