



**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.:	20001010-AJ000
Fees:	Medium (C1) - US\$500 per year
Fee Paid:	US\$2500 for Five (5) years (May 2024 – April 2029)
Addressee:	Mrs. Barbara Jerrick 38, Paradise Village, East Coast Demerara.
Activity:	Operation of Funeral Home

Mrs. Barbara Jerrick operating under the name “Jerrick’s Funeral Home Inc.,” hereinafter referred to as the “Permit Holders,” are hereby authorised in accordance with the Environmental Protection Act, Cap. 20:05, Laws of Guyana, the Environmental Protection (Amendment) Act, 2005, and the Environmental Protection (Authorisations) Regulations, 2000, to operate the Funeral Home located at 23 Paradise Public Road, East Coast Demerara, hereinafter referred to as the “Project,” in a manner indicated in the Application for Renewal of Environmental Authorisation submitted on January 24, 2024, and subject to the terms and conditions set forth herein and any forthcoming regulations made under the said Environmental Protection Act and/or any other applicable laws, best practices, guidelines and standards relevant to this project.

This is a Renewal of Environmental Permit, Reference Number - 20001010-AJ000, issued to Jerrick Funeral Home for the period June 03, 2019, and expired on May 31, 2024.

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

1.0 OPERATION

- 1.1 An application shall be made to the Agency to vary this Permit in instances where it becomes necessary to:
- i. Change the construction, operation, structure, or layout of the Project and all associated buildings;
 - ii. Change equipment, machine, apparatus, mechanism, system, or technology serving the Project;
 - iii. Change the position and design of any outlet, at the point or points of discharge of effluents; or
 - iv. Effect any other change outlined in Regulation 20(3) of the Environmental Protection (Authorisations) Regulations
- 1.2 Cleaning agents (sanitizing solutions/surfactants, disinfectants, chlorine bleaches, detergents) shall be used in a 1:10 dilution with water i.e., 1 part cleaning agent to 9 parts water.
- 1.3 The preparation table (for the deceased) shall be smooth, impervious, and free from cracks and crevices.
- 1.4 Personal Protective Equipment (apron, gown, waterproof safety shoes, etc.) shall be worn by employees during the preparation of the cadaver.
- 1.5 Personal Protective Equipment shall be cleaned, sterilized, and stored separately from the viewing/display area.
- 1.6 Liquid hand soap along with hot air dryers or paper towel dispensers shall be mounted on the walls of the preparation room and detergents and germicidal solutions shall be placed next to hand washing sinks for use by all personnel.
- 1.7 A register of the hazardous materials used shall be established and maintained. This registered information shall be maintained and made available for inspection by the EPA upon request.
- 1.8 Safety Data Sheets for all hazardous materials shall be readily available and easily accessible at all times at the Facility.
- 1.9 All containers and parcels containing hazardous materials shall be clearly labeled with the chemical name, chemical manufacturer, major hazard(s), and date received and/or prepared.
- 1.10 Waste contaminated by dead bodies shall be disposed of by incineration.
- 1.11 Funeral Services related activities shall occur between 06:00 hrs. to 18:00 hrs. and maintain compliance with the working hours approved by the **Ministry of Labour**.



- 1.12 The Guyana Fire Service approval shall be maintained and fire protection measures such as fire extinguishers and sand buckets shall be provided in accordance with this approval.
- 1.13 All firefighting equipment shall be maintained and serviced according to the Guyana Fire Service requirements.
- 1.14 The operations of the funeral home shall be guided by the guidelines established by the Central Board of Health on Funeral Homes.
- 1.15 Adhere to the requirements of the **Occupational Safety and Health Act, Cap. 99:06, Laws of Guyana.**

2.0 STORAGE OF CADAVERS

- 2.1 A separate storage facility shall be maintained for cadavers.
- 2.2 The Refrigeration Unit's temperature shall be maintained between 2°C and 4°C.
- 2.3 The freezing compartment's temperature for decomposed bodies' storage shall be maintained at 0°C.
- 2.4 Body or body parts shall be kept in body bags or appropriately wrapped during storage.
- 2.5 Dry Ice shall be used by the Funeral Home for the following instances:
 - i. Dry Ice (carbon dioxide (CO₂) frozen at – 78.5 °C) may be suitable for short-term storage;
 - ii. Dry Ice shall not be placed on top of cadavers, even when wrapped. This is to prevent damage to cadavers;
 - iii. Build a low wall of dry ice (0.5 m high) around the cadavers which shall be covered with a plastic sheet, tarpaulin, or tent.

3.0 AIR QUALITY AND NOISE MANAGEMENT

- 3.1 Adhere to the **Environmental Protection (Air Quality) Regulations, 2000**, and the **Environmental Protection (Noise Management) Regulations, 2000.**



- 3.2 Comply with the Guyana National Bureau of Standards (GNBS) Guidelines for Noise emission into the Environment, not exceeding the limits at a distance of 15 meters (50 ft) from the source or property boundary, whichever is closer.

Commercial Limits -

- i. **80 dB [Day-time (06:00 h -18:00 h)]**
- ii. **65 dB [Night-time (18:00 h - 06:00 h)]**

Monitoring shall be conducted **annually** by trained personnel using calibrated Type 2 Sound Level Meters. Records of all monitoring exercises shall be maintained and submitted as a component of the Project's **Annual Report**.

- 3.3 All significant noise-producing equipment such as generators, etc. shall be equipped with silencers or mufflers to reduce noise levels and enclosed in structures constructed with materials of good noise insulation properties e.g. hollow concrete blocks, insulation boards, solid clay bricks, etc.
- 3.4 All equipment and machinery used for joinery work shall be placed on a foundation properly designed to ensure effective damping of vibration.
- 3.5 The height of the Generator's exhaust stack from the base to the point of emission shall not be less than 2.5 meters above the tallest building within an 800-meter radius of the Generator's house.

4.0 WATER QUALITY MANAGEMENT

- 4.1 Adhere to the provisions of the **Environmental Protection (Water Quality) Regulations 2000**.
- 4.2 A waste treatment holding tank for the collection of all effluent generated, except human excrement, shall be maintained.
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- 4.3 Contaminated effluent shall be treated/decontaminated using formalin or a hypochlorite solution at a 1:10 ratio before final discharge. Effluent shall be tested before discharge into the environment according to the parameters listed in **condition 4.4**.
- 4.4 Discharges from the holding tank shall be in accordance with the *Guyana National Bureau of Standards Interim Guidelines for Industrial Effluent Discharge into the Environment*, whose limits are listed below. Further, effluent from the holding tank shall be tested before discharge into the environment according to the parameters listed **below**:

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Parameter	Daily Maximum Concentration	Units	Sample Type	Frequency of Analysis
pH	5.0 – 9.0		Grab	Before each discharge from the Holding Tank.
Temperature	40	°C	Grab	
BOD	<50	mg/L	Grab	
COD	<250	mg/L	Grab	
TSS	<50	mg/L	Grab	
N as HN_3	<10	Mg/L	Grab	
P	<2	Mg/L	Grab	
CN Tol.	<1	Mg/L	Grab	
Phenols	<0.5	Mg/L	Grab	
Coliform	<400	MPN/100mL	Grab	

4.5 Grab samples of effluent from the holding tank shall be collected and processed by a certified laboratory before each discharge into the environment.

4.6 The results of each analysis shall be submitted to the EPA upon receipt.

The frequency of effluent analysis shall be amended upon the EPA's determination that there is consistency with the results submitted.

4.7 Any chemical spill that occurs during handling shall be immediately cleaned, as guided by the respective Safety Data Sheet, and appropriately disposed of to prevent discharges into any waterways.

4.8 The effluent generated from washing of floors and drains shall be directed to the holding tank.

4.9 The drainage system on site shall be kept flowing and free of debris and vegetation. Scheduled cleaning of the drainage network and the immediate environment shall be conducted.

5.0 HAZARDOUS MATERIAL AND WASTE MANAGEMENT

5.1 Adhere to the **Environmental Protection (Hazard Wastes Management) Regulations, 2000.**

- 5.2 In accordance with the **Environmental Protection (Litter Enforcement) Regulations, 2013**, promote good sanitation and solid waste disposal practices on site. Covered garbage receptacles must be placed at strategic locations at the project.
- 5.3 Burning of solid waste is **strictly prohibited**. All solid waste shall be disposed of by an EPA-Authorised waste disposal company.
- 5.4 Waste collection areas shall be kept clean. Dry methods shall be used when cleaning around waste handling and disposal areas (e.g., sweeping, use of absorbents).
- 5.5 The Permit Holder shall maintain a septic tank system on site 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*:
- i) The septic tank shall not be located within 1.5 meters of a building or property boundary;
 - ii) septic tanks shall be installed with a sand and charcoal filter bed or other appropriate design for further treatment; and
 - iii) shall be accessible for cleaning and de-sludging.
- 5.6 Any modification to the Septic tank shall 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*

6.0 COMPLIANCE MONITORING AND REPORTING

- ~~6.1~~ Notify the Environmental Protection Agency within ~~one (1) hour~~ of the discovery of the occurrence of 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). Notification, as prescribed by Section 19(3)(a) of the Environmental Protection Act, shall be submitted to the EPA within **twenty-four (24) hours** of discovery of the incident occurring.
- 6.2 Monitor the implementation of the conditions of this Permit insofar as they involve adherence by your employees and all third parties under your direction.
- 6.3 Notify the Agency in writing of any change of name or ownership of the Permit

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Holder's facility within **thirty (30) days** after the change occurs.

- 6.4 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.
- 6.5 Maintain and submit to the Agency records of the type, composition, and quantity of contaminant released (i.e., any solid, liquid, gas, odor, sound, vibration, radiation, heat, or combination of any of them).
- 6.6 Submit an **Annual Report** to the EPA on your compliance with this Environmental Permit on or before **March 31 of each year**.
- 6.7 Report to the Agency any non-compliance(s) with the Environmental Permit (Renewed):
- i. Within **twenty-four (24) hours** of the time the Holder of the Environmental Authorisation for Operation becomes aware of the non-compliance outlining the anticipated manner in which 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, 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.
- 6.8 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.
- 6.9 It is the responsibility of the Permit Holder to ensure 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.

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- 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 7.3 and 7.4 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 of any contaminant in any amount, concentration, ultra-hazardous substances, chemicals or otherwise, and shall be rendered liable to prosecution and penalties prescribed under the Environmental Protection Act and Regulations.
- 7.7 The Permit Holder shall be liable for 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.
- 7.8 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.
- 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

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- 7.10 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.
- 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 offense to assault, obstruct, or hinder an authorized 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 (Renewed) is not the final consent; all relevant Permits should be obtained from other regulatory bodies for continued operation.**
- 7.14 This Environmental Permit (Renewed) is effective for the period stipulated herein: **May 2024 to April 2029.**
- 7.15 This Environmental Permit (Renewed) shall remain valid until **April 30, 2029**, unless otherwise suspended, canceled, modified, or varied, in accordance with the provisions of this Permit or 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 Permit Shall be renewed by submitting a completed Renewal Application Form for Environmental Authorisation to the Agency at least six months before this Permit expires, that is, no later than **October 31, 2028.**
- 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 fee, 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

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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

Kemraj Parsram
Executive Director

Date 2024.05.17

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

NAME	<i>Jeremy Gerrich</i>
DATE	<i>28th May 2024</i>
SIGNATURE	<i>J Gerrich</i>
DESIGNATION	<i>Director</i>

