



**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.:	20070613- PHAFH
Fees:	Small (C2) i.e. US\$ 175 per year
Fee Paid:	US\$525 for Three (3) Years (June 2022 - May 2025)
Addressee:	Ms. Pearl Arokium P. Arokium Funeral Home 30 Philadelphia Street New Amsterdam Berbice
Activity:	Operation of a Funeral Home & Joinery Workshop

ENVIRONMENTAL PROTECTION AGENCY
Database Updated
P. Arokium 7/13/22

Ms. Pearl Arokium, trading and operating under the name P. Arokium Funeral Home, hereinafter referred to as the "Permit Holder", is hereby authorised in accordance with the Environmental Protection Act, Cap. 20:05, the Environmental Protection (Amendment) Act, 2005, and the Environmental Protection (Authorisations) Regulations, 2000, to operate the Funeral Home at 30 Philadelphia Street, New Amsterdam, Berbice hereinafter referred to as the "Project", in a manner indicated in the Application for Renewal of Environmental Authorisation submitted on March 01, 2022, and subject to the terms and conditions set forth herein under the Environmental Protection Act, Cap. 20:05, Laws of Guyana, existing and/or forthcoming regulations made under the said Act, and/or any applicable laws, guidelines, best practices, and standards relevant to this project.

This is a Renewal of Operation Permit, Reference No. 20070613- PHAFH issued in April 2021 and expired in March 2022.

The Permit Holder, His Servants, Agents, and/ or Sub- Contractors, shall comply with the following Terms and Conditions for Operation:

P. Arokium
2022-06-16

1.0 OPERATION

- 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. effect 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 this Environmental Permit and provide training on good environmental practices.
- 1.3 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.
- 1.4 Staff shall be fully vaccinated with the required dosage of Tetanus, Hepatitis B, etc. The vaccination record of staff shall be submitted to the Agency as part of the **Annual Report**.
- 1.5 The preparation table (for the deceased) shall be smooth, impervious, and free from cracks and crevices.
- 1.6 Adhere to the requirements of the **Occupational Safety and Health Act, Cap. 99:01, Laws, of Guyana**.
- 1.6.1 Personal Protective Equipment (apron, gown, waterproof safety shoes, etc.) shall be worn by employees during the preparation of cadavers.
 - 1.6.2 Personal Protective Equipment shall be cleaned, sterilized, and stored separately from the viewing/display area.
- 1.7 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 handwashing sinks for use by all personnel.
- 1.8 Funeral Services related activities shall take place between **06:00 h to 18:00 h**.
- 1.9 Maintain Guyana Fire Service Approval and submit a copy of the approval for the EPA's records.
- 1.1.1 Fire prevention and control equipment shall be maintained in accordance with this Guyana Fire Service Approval.

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 Each body or body part shall be kept in body bags or appropriately wrapped during storage.
- 2.4 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 cadavers which shall be covered with a plastic sheet, tarpaulin, or tent.

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 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 metres (50 ft) from the source or property boundary, whichever is closer.

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

- 3.3 Enclose all sound-making devices, such as generators and machinery used for joinery work, 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.
- 3.4 Service generator and machines/equipment 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.

4.0 WATER QUALITY

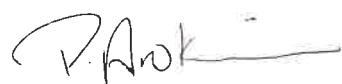

- 4.1 Strictly comply with the provisions of the **Environmental Protection (Water Quality) Regulations 2000**.

4.2 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:

Parameter	Daily Maximum Concentration	Units
pH	5.0 – 9.0	mg/L
Temperature	40	°C
BOD	<50	mg/L
COD	<250	mg/L
TSS	<50	mg/L
N as HN ₃	<10	Mg/L
P	<2	Mg/L
CN Tol.	<1	Mg/L
Phenols	<0.5	Mg/L
Coliform	<400	MPN per 100mL

A Water Quality Monitoring Plan shall be submitted to the EPA for approval by August 31, 2022. Monitoring shall be conducted in accordance to the approved plan and the results shall be submitted to the Agency as part of the Annual Report.

- 4.3 A waste treatment holding tank for collection of all effluent generated with the exception of human excrement shall be maintained.
- 4.4 Contaminated effluent shall be treated/decontaminated using formalin or a hypochlorite solution at a 1:10 ratio before final discharge. Effluent shall be tested prior to discharge into the environment according to parameters listed in **condition 4.2**.
- 4.5 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.


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

5.0 WASTE MANAGEMENT

5.1 In accordance with the ***Environmental Protection (Litter Enforcement) Regulations***, 2013, promote good sanitation and solid waste disposal practices at the Funeral Parlour and joinery workshop; covered garbage receptacles must be placed at strategic locations at the facility.

5.2 Burning of solid waste is **strictly prohibited**. All solid waste shall be disposed of at an approved Solid Waste Disposal Site.

5.3 Solid waste receptacles shall be secured when not in use.

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 Waste minimization and the reuse and/or recycling of waste and other materials from the Joinery Workshop shall be promoted where practical.

6.0 HAZARDOUS WASTE MANAGEMENT

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

6.2 All hazardous waste containers shall be labelled with the following:

- i. The words "**Hazardous Waste**"
- ii. The type of waste
- iii. Beginning accumulation date- Date when the container was first placed in Hazardous Waste Storage Area. Should the hazardous waste container be reused, the date hazardous waste was first placed in the container shall be recorded on the container.

6.3 All waste oil containers shall be labelled with the following:

- i. The words "**Waste Oil** or "**Used oil**"
- ii. Beginning accumulation date

6.4 All hazardous waste shall be stored in a covered, bunded area. This area shall include the following:

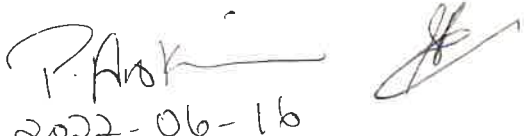
- i. Signage- "**Hazardous Waste Storage Area**"
- ii. Low traffic
- iii. No floor drains
- iv. Secondary containment capable of containing 110% of the largest volume therein.

- 6.5 All hazardous waste shall be disposed of by a Hazardous Waste Disposal Facility that has been authorized by the EPA. All hazardous waste treatment and disposal shall be documented on a **Waste Manifest Form** which must be submitted to the EPA as a component of the **Annual Report**.
- 6.6 A Register of the types and quantities of Hazardous and Non -hazardous Materials in accordance with the United Nations Classification of hazardous and non-hazardous materials, shall be established and maintained on-site. A summary of the registered information shall be submitted to the Agency as part of the **Annual Report**.
- 6.7 Hazardous materials used at the Project shall be stored on an impervious base within a bunded area.
- 6.8 Hazardous materials storage area shall be secured and well ventilated.
- 6.9 Safety Data Sheets for all hazardous materials shall be readily available and easily accessible at all times on-site.
- 6.10 All containers and parcels containing chemicals shall be clearly labeled with the chemical name, chemical manufacturer, major hazard(s), and date received and/or prepared.
- 6.11 Waste contaminated by dead bodies shall be buried with cadavers.

7.0 COMPLIANCE, MONITORING, AND REPORTING

- 7.1 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.
- 7.2 Notify the Environmental Protection Agency within one (1) hour 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).
- 7.3 Monitor the implementation of the conditions of this Environmental Permit (Renewed), insofar as they involve adherence by employees and all third parties under your direction.
- 7.4 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.

P. Anon
2022-06-16



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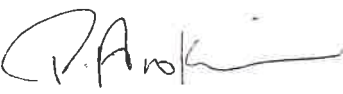
- 7.5 Notify the Agency **within twenty-one (21) days** in event of death, bankruptcy, liquidation, or receivership of the Permit Holder or if the Company becomes a party to an amalgamation.
- 7.6 Submit an **Annual Report** to the EPA on your compliance with this Environmental Permit on or before **March 31, each year**
- 7.7 Report to the Agency any non-compliance(s) with this Environmental Permit (Renewed).
- i. Within **twenty-four (24) hours** of the time the Holder of this Environmental Permit (Renewed) becomes aware of the non-compliance, with the anticipated manner in which it may endanger human health or the environment may be impacted.
 - ii. Within **seventy-two (72) hours** of the time the Holder of the Environmental Permit (Renewed) 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.
- 7.8 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.

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.
- 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.

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- 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 8.3 and 8.4 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.
- 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


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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 (Renewed) is not the final consent; all relevant Permissions should be obtained from other regulatory bodies for continued operation.**
- 8.14 This Environmental Permit (Renewed) is effective for the period stipulated herein; **June 2022 to May 2025.**
- 8.15 This Environmental Permit (Renewed) shall remain valid until **May 31, 2025**, unless otherwise suspended, cancelled, 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.
- 8.16 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 **November 30, 2024.**
- 8.17 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 therewith.
- 8.18 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.

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2022-06-16


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Signed by  on behalf of the Environmental Protection Agency.

Kemraj Parsram
Executive Director

Date 2022-05-25

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	Pearl Alexes Arokium
DATE	2022-06-16
SIGNATURE	
DESIGNATION	Manager


2022-06-16

