



**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.

<b>Reference No.:</b>	<b>20181204-APCFB</b>
<b>Fee:</b>	<b>Small (C1) i.e. US \$100 per year</b>
<b>Fees Paid</b>	<b>US \$100 for one (1) year (September 2024 to August 2025)</b>
<b>Addressee:</b>	<b>Mr. Umanath Katwaroo Chief Executive Officer (CEO) Architectural &amp; Protective Coatings MFG 65-66 Public Road Friendship, East Bank Demerara</b>
<b>Activity:</b>	<b>Operation of a Paint Blending Facility</b>

Architectural & Protective Coatings MFG, hereinafter referred to as the "Permit Holder", is 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 a Paint Blending Facility at 65-66 Public Road Friendship, East Bank Demerara, hereinafter referred to as the "Project", in a manner indicated in the Renewal Application for Environmental Authorisation submitted on January 04, 2024, and subject to the terms and conditions set forth herein and in 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 Operation Permit (Varied and Modified), Reference No. 20181204-APCFB issued in March 03, 2022 and expired on August 31, 2024.

The Permit Holder, his servants, agents, and/or sub-contractor(s) shall comply with the following terms and conditions for operation:

### **1.0 OPERATION**

- 1.1 An application shall be made to the Agency to vary this Permit in instances where it becomes necessary to:

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- 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 Regulation 20(3) of the Environmental Protection (Authorisations) Regulations.

1.2 Employees and third parties under the Project's direction shall be made aware of the conditions of the Environmental Authorisation.

1.3 The Project shall provide training on good environmental practices. Annual training records shall be maintained on-site and made available for inspection by the EPA upon request.

1.4 Emergency spill clean-up kits shall be maintained at the Project site for response to spills. Kits shall contain absorbent materials, drain seals, and other appropriate tools for clean-up and shall be readily available and identified at the Project.

1.5 Employees involved in the management of paint blending chemicals shall be trained on Hazardous Material Communication and Emergency Preparedness Response. Training report shall be maintained on-site and made available for inspection by the EPA upon request.

1.6 Fire prevention and control equipment shall be maintained in accordance with this **Guyana Fire Service Approval**.

1.7 Adhere to the requirements of the **Occupational Safety and Health Act, Cap.99:01, Laws, of Guyana**.

**2.0 STORAGE OF PAINT AND SOLVENT**

2.1 Solvent stored by the Project shall be in accordance with the List of Solvents submitted to the EPA on **November 11, 2021**.

2.2 A register of the quantities of the paint and solvent stored onsite shall be maintained. Registered information shall be maintained on-site and made available for inspection by the EPA upon request.

2.3 Paint and solvent shall be stored in accordance with the manufacturer's directions or Safety Data Sheet instructions.

2.3.1 Safety Data Sheets for all paint and solvent shall be readily available

and easily accessible at all times at the Project.

- 2.4 The Paint and Solvent Storage Area shall be clearly labelled with “**Danger, Hazardous Storage Area- Authorized Personnel Only**” where applicable as a spill control measure by **September 30, 2024**.
- 2.5 Flammable Paints and Solvents shall be stored away from ignition sources. ‘**No Smoking**’ signs shall be posted where these materials are handled and stored.
- 2.6 A mechanical ventilation system such as an air conditioning unit shall be maintained in the Paints and Solvents Storage area.
- 2.7 Secondary containment (bund area) shall be established and maintained around storage areas of all liquid chemicals. The secondary containment shall have:
  - i. A volume equivalent to the volume of liquid stored within the largest storage container and;
  - ii. Walls constructed of impermeable materials
- 2.8 Paint and Solvent containers shall be clearly labelled in accordance with the Globally Harmonized System of Classification and Labelling. The following must be evident:
  - i. Signal Word;
  - ii. GHS Symbols- (Hazard Pictograms);
  - iii. Manufacturer Information;
  - iv. Precautionary Statements/ First Aid;
  - v. Hazard Statements; and
  - vi. Product Name or Identifiers.
- 2.9 Paint and solvent stored within drums and totes shall:
  - i. Be placed within bund storage to ensure any leaks or spills are immediately contained;
  - ii. Be clearly marked with their contents, and any appropriate warning symbols;
  - iii. Have scheduled inspection to detect rust, leaks or other damage; and
  - iv. Remain covered to protect the integrity of your chemicals.
- 2.10 Paint and solvent **shall not** be stored on damaged, or inadequately secured racking or on damaged pallets to minimise risks of spills.
- 2.11 Paint and solvent containers shall be inspected for signs of leakage or corrosion and damaged containers must be replaced immediately. Inspection reports shall be maintained on-site and made available for inspection by the EPA upon request.

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**3.0 PAINT BLENDING**

- 3.1 All paint blending activities shall be conducted within the confines of the secondary containment.
- 3.2 Paint blending equipment shall at all times be operated, serviced and maintained in accordance with manufacturer's specification. Maintenance records shall be maintained on-site and made available for inspection by the EPA upon request.
- 3.3 Standard Operating Procedures (SOPs) for safe use of equipment shall be maintained on-site and made available for inspection by the EPA upon request.
- 3.4 A trained operator or carrier shall at all times supervise, monitor and control the blending of paint to prevent overfill and spill during the entire period of blending.
- 3.5 A mechanical ventilation system such as an air conditioning unit shall be maintained in the Paint Blending area.

**4.0 WATER QUALITY**

- 4.1 Adhere with the provisions of the **Environmental Protection (Water Management) Regulations, 2000.**
- 4.2 Direct discharge of untreated wastewater into the surrounding environment is strictly prohibited.
- 4.3 Any spills occurring during handling and loading of chemicals and paint blending shall be immediately cleaned and disposed as guided by the respective Safety Data Sheet, at an EPA authorised disposal facility.
- 4.4 Flooring and drains shall be maintained with protective coatings to prevent seepage, damage or deterioration resulting from contact with spilt chemicals.
- 4.5 Drainage systems shall be maintained and capable of handling the probable maximum precipitation during a storm event.

**5.0 AIR QUALITY**

- 5.1 Adhere to the provisions of the **Environmental Protection (Air Management) Regulations, 2000.**
- 5.2 Extractor fans consisting of charcoal filters shall be established and maintained in the Paint-Blending area by October **31, 2024.**
- 5.3 An exhaust stack shall be installed on the vent of the capturing hood.

- 5.4 Containers or mixing tanks shall remain covered while awaiting transfer of chemical, paint or coating to required packaging to reduce leakage of vapours.
- 5.5 In the event of equipment malfunction or inefficiencies which may result in visible emissions to air or, in the event of the malfunction leads to abnormal emissions, the operator shall:
- 5.5.1 Investigate and undertake remedial action immediately;
  - 5.5.2 Adjust the process or activity to minimise those emissions; and
  - 5.5.3 Record the events and actions taken. This shall be submitted in the annual report.

## **6.0 NOISE QUALITY**

- 6.1 Adhere to the provisions of the **Environmental Protection (Noise Management) Regulations, 2000.**
- 6.2 Noise emissions shall be monitored at the Project's boundary to determine compliance with Guyana National Bureau of Standards (GNBS) Guidelines for Noise Emissions into the Environment, not exceeding the residential limits listed below:

**Residential Limits: 75 dB** during the daytime (06:00 h - 18:00 h)  
**60 dB** during the night-time (18:00 h - 06:00 h)

Noise Quality monitoring shall be conducted in accordance with the parameters listed above by trained personnel utilizing calibrated equipment. Records of each monitoring exercise shall be maintained and results submitted to the Agency as a component of the Project's **Annual Report.**

- 6.3 The generators and paint blending machine shall be equipped with appropriate silencers or mufflers and/or are enclosed in suitable acoustic enclosures where necessary, to reduce, to reduce noise levels impacting the surrounding environment to achieve compliance with Guyana National Bureau of Standards (GNBS) requirement.
- 6.4 Equipment and machinery shall be placed upon foundations properly designed to ensure effective damping of vibrations.

## **7.0 WASTE MANAGEMENT**

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- 7.1 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, both in and outside of Project site.
- 7.2 Burning solid waste is **strictly prohibited**. All solid waste shall be disposed of by an EPA Authorised Waste Disposal Company.
- 7.3 Promote waste minimisation and the reuse and/or recycling of waste materials and other suitable materials where practical.
- 7.4 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).
- 7.5 Maintain the septic tank system onsite. Septic Tanks at all times shall be accessible for cleaning and de-sludging. Septic tanks should be installed with a sand and charcoal filter bed, or other appropriate design for further treatment. This must be in accordance with the Guyana National Bureau of Standards Code of Practice for the Design and Construction of Septic Tanks and Associated Secondary Treatment and Disposal Systems.
- 7.6 Any modification to the Septic Tank (s) 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.

**8.0 HAZARDOUS WASTE MANAGEMENT**

- 8.1 Adhere to the provisions of the **Environmental Protection (Hazardous Waste Management) Regulations, 2000**.
- 8.2 Empty chemical/material containers or drums shall be managed as outlined below and are subjected to the Safety Data Sheets (SDSs) for each material:
  - 8.1.1 Empty containers contaminated with hazardous material shall be destroyed prior to disposal at a landfill authorised by the EPA or reused, provided that the empty containers are not a hazard to human health or the environment.
  - 8.1.2 Empty containers may be reused to store the same hazardous material and/or waste.
  - 8.1.3 Containers may be reused to store non-hazardous material and/or

waste, if all hazardous waste residuals have been removed and the container thoroughly cleaned.

8.3 Hazardous waste areas shall be bunded/ kerbed to contain any spilled hazardous wastes. This area shall satisfy the following requirements:

- i. Low traffic
- ii. No floor drains
- iii. The bunded area shall provide 110% containment of the largest volume stored therein.

8.4 The Hazardous Waste Storage areas shall be clearly labelled with the following warning signs:

- i. "Hazardous Waste Storage Area"
- ii. Danger- "Authorized Personnel Only"
- iii. No Smoking

8.5 Hazardous waste containers shall be labelled with the following:

- i. The words "**Hazardous Waste**"
- ii. The type of waste
- iii. Beginning accumulation date- The date when the container was first placed in the 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.

8.6 Hazardous waste storage containers shall remain closed during storage, except when it is necessary to add or remove waste.

8.7 Hazardous waste storage containers shall be inspected weekly for signs of leakage, deterioration, or corrosion and damaged containers **must be** replaced **immediately**. A summarised inspection report shall be compiled and made available for inspection by the EPA upon request.

8.8 Hazardous waste shall be treated and/or disposed of by an EPA authorised Hazardous Waste Disposal Facility.

## **9.0 COMPLIANCE MONITORING AND REPORTING**

9.1 Notify the Environmental Protection Agency **within one (1) hour** of the occurrence of any environmental emergencies (e.g., oil spills, biohazardous materials/wastes spill, sudden onset disaster, natural, technological, or human-



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induced factors that cause or threaten to cause severe environmental damage as well as harm to human health or livelihood).

- 9.2 Monitor the implementation of the conditions of this Permit, insofar as they involve adherence by your employees and all third parties under your direction.
- 9.3 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.
- 9.4 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.
- 9.5 Maintain and submit to the Agency records of the type, composition, and quantity of contaminant released (i.e., any solid, liquid, gas, odour, sound, vibration, radiation, heat, or combination of any of them).
- 9.6 Submit an **Annual Report** to the EPA on your compliance with this Permit on or before **March 31, of each year**.
- 9.7 Report to the Agency any non-compliance(s) with the Environmental Permit:
  - i. Within **twenty-four (24) hours** of the time the Holder of the Environmental Permit 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.
- 9.8 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.
- 9.9 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.

#### **10.0 INSTITUTIONAL AUTHORITY/ LIABILITIES**

- 10.1 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.
- 10.2 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.
- 10.3 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.
- 10.4 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 in 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.
- 10.5 The Permit Holder shall be liable to compensate any person who suffers any loss or damage as a result of contravening conditions 6.4 and 6.5 of this Environmental Permit, pursuant to s. 19 of the Environmental Protection Act, Cap. 20:05, Laws of Guyana.
- 10.6 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 to penalties prescribed under the Environmental Protection Act and Regulations.
- 10.7 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.
- 10.8 Shall the Permit Holder contravene or be likely to contravene any condition of

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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.

- 10.9 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.
- 10.10 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.
- 10.11 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 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.
- 10.12 The EPA has the right to modify, cancel or suspend this Permit for breach of any of the terms and conditions contained herein.
- 10.13 **This Environmental Permit (Renewed) is not the final consent; all relevant Permissions shall be obtained from other regulatory bodies for continued operation.**
- 10.14 This Environmental Permit (Renewed) is effective for the period stipulated herein; **September 2024 to August 2025.**
- 10.15 This Environmental Permit (Renewed) shall remain valid until **August 31, 2025**, 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.

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- 10.16 This Permit shall be renewed by submitting a completed *Application Form for Renewal of Environmental Authorization* to the Agency at least six months before this Permit expires, that is, no later than **February 28, 2025**.
- 10.17 Any late submission of a renewal application after the specified date as stated above may require the Permit Holder to pay, in addition to the 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.
- 10.18 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 18.9.2024

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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:	BOBBY DAVID KATWAROO
DATE:	2024-11-25
SIGNATURE:	
DESIGNATION:	GENERAL MANAGER

