



**Environmental
Protection
Agency**

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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.:	20230426-MDL SB
Fees Paid:	Small (C1)- US \$ 500 Per Year US \$ 1500 for Three Years (January 2024 to December 2026)
Addressee:	Messers. Looknarine Basdeo & Shastri Shivaram Basdeo Owners The Paint Palace 79 Blankenberg West Coast Demerara
Activity:	Storage of Water-based Paint and the Blending of Aggregates and Water-Based Paint to Produce Duratex.

The Paint Palace hereinafter referred to as the “Permit Holder”, is hereby authorised in accordance with the Environmental Protection (Amendment) Act, 2005, and the Environmental Protection (Authorisations) Regulations, 2000, for the Storage of Water-based Paint and the Blending of Aggregates and Water-Based Paint to Produce Duratex at Block N, Lot E, La Union, West Coast Demerara, hereinafter referred to as the “Project”, in a manner indicated in the Application for Environmental Authorisation and Application for Environmental Authorisation submitted on April 26, 2023, respectively and subject to the terms and conditions set forth herein under the Environmental Protection Act, Cap. 20:05, Laws of Guyana, any existing or forthcoming Regulations made under the said Act, and/or any applicable laws, guidelines, best practices, and standards relevant to this project.

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

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1.0 CONSTRUCTION

- 1.1 Land clearing and disturbance shall be limited to areas where immediate work is taking place.
- 1.2 Areas for construction material stockpiles and equipment shall be identified. Stockpile areas shall be downwind to avoid materials being dispersed by wind to sensitive areas. Loading and offloading activities shall, as far as possible, also be confined to this location.
- 1.3 Temporary stockpiles of construction materials, including excavated waste shall be stored in a secured, designated area, and protected from wind and watererosion.
 - 1.2.1 Materials shall not be placed within **3m** of any canal, drain or river, providing the installment of a silt fence adequately designed and constructed to retain the stockpile.
 - 1.2.2 Stockpiles shall not exceed two (2) meters in height.
 - 1.2.3 Temporary stockpiles shall not exceed **twenty-four (24) hours** before being removed, or transferred to the appropriate designated stockpile areas established by **Condition 1.2.**
- 1.3 Install a silt fence **at least 3 meters** from the boundary of any canal, drain, or river to prevent any possible contamination from construction material. The height of the silt fence shall be **no less than 3 meters**; the distance between fence posts shall **not exceed 1.2 meters (4 ft.)**, and fence posts shall be installed at a depth of **at least 0.6 meters (24 inches)**.
- 1.4 Material stockpiles, including dusty materials transported to, from, and within the site shall be enclosed or covered to reduce airborne emissions. Where this is not practical owing to frequent usage, employ wet suppression methods such as watering or erecting dust screens/fences to control emissions.
- 1.5 Where feasible, pre-mixed, 'ready-mixed' concrete shall be used to reduce dust emissions caused by on-site preparation.
- 1.6 All oils, lubricants, and fuel shall be handled, managed (including refueling of equipment and machinery), and stored on impervious surfaces within secondary contained areas.
- 1.7 Implement measures for the removal of any contamination and or siltation of drains during construction.
- 1.8 All construction equipment and machinery shall be maintained in accordance to the manufacturer's specifications to avoid mechanical failures and abnormal noise pollution. Logs and records signed by the appropriate inspecting personnel shall



be maintained and made available for inspection by the EPA upon request.

- 1.9 All cutting of wood and mixing of cement shall be conducted at least 15m from perimeter drains to minimise pollution.

2.0 GENERAL OPERATION

- 2.1 Make an application to the Agency to vary this 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 effect any other change outlined in 20(3) of the Environmental Protection (Authorisations) Regulations.
- 2.2 Emergency spill clean-up kits shall be obtained and 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.
- 2.3 All employees involved in the management of paint blending chemicals shall be trained on Hazardous Material Communication and Emergency Preparedness Response. Training reports shall be maintained on-site and made available to the EPA upon request.
- 2.4 Fire prevention and control equipment shall be obtained and maintained in accordance with Guyana Fire Service Approval.
- 2.5 All employees and third parties under the Project's direction shall be made aware of the conditions of the Environmental Authorisation.
- 2.6 Adhere to the requirements **of the Occupational Safety and Health Act, Cap. 99:01, Laws, of Guyana.**
- 2.7 Adhere to the **Pesticide and Toxic Chemicals Control Act 2000, Cap. 68:09, Laws, of Guyana.**

3.0 STORAGE OF PAINT MIXING AGGREGATES AND WATER-BASED PAINTS

- 3.1 All paint and paint products shall be stored in accordance with the manufacturer's directions or Safety Data Sheet instructions:
- 3.1.1 Safety Data Sheets for all chemicals shall be readily available and easily accessible at all times during the Project.

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- 3.2 The Paint Storage Area shall be clearly labeled with “**Danger, Hazardous Storage Area- Authorised Personnel Only**” where applicable as a spill control measure.
- 3.3 Paints with Highly Flammable levels shall be stored away from ignition sources. ‘No Smoking’ signs shall be posted where these materials are handled and stored.
- 3.4 Secondary containment (bund area) shall be established and maintained around storage areas of paints. 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.
- 3.5 Water-based paint containers shall be clearly labeled 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.
- 3.6 Water- based Paint stored within drums shall:
- i. Be placed within bund storage to ensure any leaks or spills are immediately contained;
 - ii. Be 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.
- 3.7 Water-based paint stored within cans shall be tightly sealed and kept off the floor on pallets to minimise the risk of spills.
- 3.8 Water-based paint **shall not** be stored on damaged or inadequately secured racking or on damaged pallets to minimise risks of spills.
- 3.9 Paint containers shall be inspected for signs of leakage or damage and must be replaced immediately. Inspection reports shall be maintained on-site and made available to the EPA upon request.
- 3.10 A register of the quantities of the paint stored on site shall be established. Registered information shall be maintained and made available to the EPA upon

request.

4.0 PAINT BLENDING

- 4.1 All paint blending activities shall be conducted within the confines of the secondary containment at the Paint Storage Area.
- 4.2 Paint blending equipment shall at all times be operated in accordance with manufacturer's specification.
- 4.3 Standard Operating Procedures (SOPs) for safe use of equipment shall be established and maintained on-site and made available to the EPA upon request.
- 4.4 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.

5.0 AIR QUALITY MANAGEMENT

- 5.1 Adhere to the provisions of the **Environmental Protection (Air Quality) Regulations, 2000.**
- 5.2 Ambient air quality monitoring shall be conducted at the boundary of the property during normal operations to assess the levels of the following air pollutants, in accordance with the WHO Air Quality Guidelines 2005:

Air Pollutant	Averaging Time	Maximum Permissible Level	Frequency	Monitoring Site
PM _{2.5}	24h	15 µg	Bi-annual	Downwind Boundary of the facility.
PM ₁₀	24h	45 µg	Bi-annual	

- 5.3 Monitoring of the parameters above shall be conducted at the boundary of the property and the results analyzed at a certified laboratory or by trained personnel using calibrated equipment. The analysis shall be submitted to the Agency as part of the Annual Report.
- 5.4 Volatile Organic Compounds monitoring shall be tested and compared with results from within the facility against the results to the outside at the extractor fan and at the boundary to determine dispersal concentration and distance, in accordance with the Australian EPA Air Quality Policy 2016:

List of Ingredients	Averaging Time	Maximum Concentration Level (ppm)	Frequency
Ethylene Glycol	3min	2.2 mg/m ³	Annual
Xylene	3min	2.7 ppm	Annual

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Toluene	3min	3.2 ppm	Annual
Acetone	3min	16.7 ppm	Annual
Methyl Ethyl Ketone	3min	4.9 ppm	Annual
Propylene Glycol	3min	3.3 ppm	Annual
Formaldehyde	3min	0.033 ppm	Annual
Styrene	3min	1.64 ppm	Annual

5.5 Particulate matter and dust suppression methods shall be maintained around the stockpiles:

- 5.5.1 Stockpiles of sand and other dusty materials shall be located in an area of low winds as far as possible from nearby residents;
- 5.5.2 Storage of sand and stone and other aggregates on the roadway and government reserves is **strictly prohibited**;
- 5.5.3 Stockpiles should be relatively flat on top, and shall not exceed a height of two (2) meters;
- 5.5.4 Cover stockpiles of sand and other dusty materials with tarpaulin or other suitable material, when not in use for extended periods, to prevent particles from becoming airborne;

6.0 NOISE MANAGEMENT

- 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 industrial 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)

A noise quality monitoring plan shall be submitted to the EPA for approval on February 29, 2023. Once the noise quality monitoring plan is approved, the noise monitoring results shall be submitted to the Agency upon request.

- 6.3 All equipment and machinery shall be placed upon foundations properly designed to ensure effective damping of vibrations.
- 6.4 All significant noise-producing equipment, such as generators, shall be 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 Guyana National Bureau of Standards (GNBS) requirement.

7.0 WASTE MANAGEMENT

- 7.1 In accordance with the **Environmental Protection (Litter Enforcement) Regulations, 2013**, promote good sanitation and solid waste disposal practices on site.
- 7.2 Covered garbage receptacles shall be placed upon an impervious base at strategic locations, both within and outside the facility. Waste must be collected and disposed of at an approved waste disposal facility.
- 7.3 Burning solid waste is **strictly prohibited**. All solid waste shall be disposed of by an EPA Authorised Waste Disposal Company.
- 7.4 Good housekeeping, sanitary, and hygienic practices shall be maintained at all times. The facility surroundings shall be kept free of vegetation and litter.
- 7.5 Promote waste minimization and the reuse and/or recycling of waste and other materials where practical.
- 7.6 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).
- 7.7 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.
- 7.8 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 COMPLIANCE MONITORING AND REPORTING

- 8.1 Notify the Environmental Protection Agency within **one (1) hour** of the occurrence of any environmental emergencies (e.g. oil spills, hazardous materials/wastes spills, 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).

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- 8.2 Monitor the implementation of the conditions of this Permit, insofar as they involve adherence by your employees and all third parties under your direction.
- 8.3 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.
- 8.4 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 party to an amalgamation.
- 8.5 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).
- 8.6 Submit Annual Reports to the EPA on your compliance with this Environmental Permit (Varied and Modified) on or before **March 31, each year**.
- 8.7 Report to the Agency any non-compliance(s) with the Environmental Permit (Varied & Modified):
 - 8.7.1 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.
 - 8.7.2 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.
- 8.8 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.
- 8.9 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.

9.0 INSTITUTIONAL AUTHORITY AND LIABILITIES

- 9.1 The EPA reserves the right to conduct regular inspections of the Permit Holder's



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operation as part of its monitoring and enforcement requirements under the Environmental Protection Act, Cap. 20:05, the Environmental Protection (Amendment) Act, 2005, and the Environmental Protection Regulations, 2000.

- 9.2 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.
- 9.3 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.
- 9.4 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 (Varied and Modified), pursuant to s. 19 of the Environmental Protection Act, Cap. 20:05, Laws of Guyana.
- 9.5 The Permit Holder shall be liable to compensate any person who suffers any loss or damage as a result of contravening conditions 10.4 and 10.5 of this Environmental Permit (Varied and Modified), pursuant to s. 19 of the Environmental Protection Act, Cap. 20:05, Laws of Guyana.
- 9.6 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.
- 9.7 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.
- 9.8 Should the Permit Holder contravene or be likely to contravene any condition of this Permit, the Agency may serve on him an Enforcement Notice in accordance with Section 26 of the Environmental Protection Act, Cap. 20:05, Laws of Guyana.
- 9.9 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.
- 9.10 The EPA reserves the right to conduct regular inspections of the Permit Holder's

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activities as part of its monitoring and enforcement requirements under the Environmental Protection Act, Cap 20:05, and the Environmental Protection (Amendment) Act, 2005, and Environmental Protection (Authorisations) Regulations, 2000.

- 9.11 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.
- 9.12 The EPA has the right to modify, cancel or suspend this Permit for breach of any of the terms and conditions contained herein.
- 9.13 This Environmental Permit is not the final consent; all relevant Permissions should be obtained from other regulatory bodies for continued operation.
- 9.14 This Environmental Permit is effective for the period stipulated herein; **January 2024 to December 2026.**
- 9.15 This Environmental Permit shall remain valid until **December 31, 2026**, 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.
- 9.16 This Permit must 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 **July 31, 2026.**
- 9.17 Any late submission of renewal application after the specified date as stated above, the Agency 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.
- 9.18 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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Signed by Ashrafah Razack on behalf of the Environmental Protection Agency.
for **Mr. Kemraj Parsram**
Executive Director

Date 2024-01-17

I hereby accept the above terms and conditions upon which this Permit (Varied and Modified) 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 existing or forthcoming regulations, best practices, guidelines and standards made under this Act.

NAME	LOOKNARINE BASDEO
DESIGNATION	PROPRIETOR
SIGNATURE	Looknaine Basdeo
DATE	22.01.2024



