



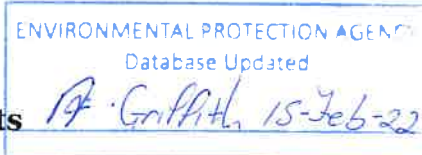
**Environmental
Protection
Agency**

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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.:	20210429-CCCSC
Fee:	Small(C2) i.e. US\$175 per year
Fees Paid:	US\$875 for Five (5) years (September 2021 – August 2026)
Addressee:	Mr. Mata Persaud Company Secretary Caricom Cement Company Inc. Lot 29-30 High & Drysdale Streets Charlestown Georgetown
Activity:	Storage of Cement



Caricom Cement Company Inc., 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 Environmental Protection Regulations, 2000, to store cement at Lot 29-30 High & Drysdale Streets, Charlestown, Georgetown, hereinafter referred to as the “Project”, in the manner indicated in the Application, the Monitoring Programme and the Environmental Management Plan and subject to the terms and conditions set forth herein under the Environmental Protection Act, existing and/or forthcoming regulations made under the said Act, and/or any applicable laws, guidelines, best practices and standards relevant to this project.

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

1.0 GENERAL OPERATION

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

- 1.1 Notify the Agency in writing of **ANY** proposed changes in the Project at least **fourteen (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,

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including but not limited to the following:

- i. Changes in operation, structure, or layout of the facility and all associated buildings.
 - ii. Installation of new and/or changes to equipment, machine, apparatus, mechanism, system or technology serving the facility.
 - iii. Any technology used or installed at the facility from which effluent may be discharged.
 - iv. Any other circumstance or condition prescribed by Regulation 20(3) of the Environmental Protection (Authorisations) Regulations.
- 1.2 Packaged cements shall be stored in accordance with the manufacturer's directions or Safety Data Sheet (SDS) instructions.
- 1.3 Safety Data Sheets for packaged cements shall be readily available and easily accessible at all times at the Project.
- 1.4 The Permit Holder is required to submit to the EPA upon receipt, the requisite approvals from the **Central Housing and Planning Authority (CH&PA)**, the relevant Municipality or any other authority with jurisdiction and oversight over the Project.
- 1.5 The Permit Holder shall obtain and maintain Guyana Fire Service Approval and submit a copy of the approval for the EPA's records.
- 1.6 Fire prevention and control equipment shall be maintained in accordance with this Guyana Fire Service Approval. This may include a smoke detection and alarm system, fire extinguishers, fire hydrants or sprinkler systems as appropriate.
- 2.0 OPERATION OF CEMENT STORAGE BOND**
 - 2.1 All equipment used in the Project shall be monitored and maintained in accordance with the manufacturer's specifications. A maintenance schedule shall be submitted to the Agency as a component of the Project's **Annual Report**.
 - 2.2 Servicing of machinery and transport equipment at the Project, including but not limited to forklift and trucks, shall be **STRICTLY PROHIBITED**.
 - 2.3 Emergency exits **shall not** be obstructed by material storage containers.
 - 2.4 Packaged Cements **shall not** be stored on damaged, or inadequately secured racking or on damaged pallets.
 - 2.5 Packaged Cements **shall not** be stored in passageways including forklift truck

routes, other vehicle routes and pedestrian walkways on site.

2.6 Cements stored in ton bags and Totes shall:

1. Be covered to prevent exposure to dirt, dust, and moisture;
2. Not hang over the side of pallets used for stacking;

2.10 Stacking options for cements stored in ton bags and totes shall be in accordance with one of the following:

1. **Pyramid Stacking** – each bag/tote above the first layer must sit on at least four (4) lower bags. Each layer is subsequently tiered inwards forming a pyramid structure.
2. **Supported Stacking** – stacked bags/ totes formed against two (2) retaining walls of sufficient strength.

2.11 Fork Lifts used for lifting packaged cements must be free of sharp edges and protrusions.

3.0 WATER QUALITY MANAGEMENT

Adhere to the provisions of the **Environmental Protection (Water Quality) Regulations, 2000.**

3.1 Storm water drains shall be kept flowing and free of debris and vegetation. Scheduled cleaning of the drainage network and the immediate environment shall be conducted.

3.2 The discharge of untreated effluent directly into the receiving waters is strictly prohibited.

4.0 AIR AND NOISE QUALITY MANAGEMENT

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

2.1 Noise emissions shall be monitored at the Project's boundary **annually to determine compliance with Guyana National Bureau of Standards (GNBS) *Guidelines for Noise Emissions into the Environment*, not exceeding the industrial limits listed below:**

Industrial Limits: 100 dB (Day-time (06:00 h -18:00 h))
80 B (Night-time (18:00 h – 06:00 h))

Records of each monitoring exercise shall be maintained and results submitted to the Agency as a component of the Project's **Annual Report.**

- 4.1 All machines and equipment shall be serviced in accordance with manufacturer's specification to ensure efficiency and reduce the level of noise produced. A summarised maintenance report shall be submitted to the Agency as a component of the **Annual Report**.
- 4.2 Implement and maintain the **Best Available Technique (BAT)** to reduce particulate matter (PM) emissions into the environment from the handling and storage of packaged cements.
- 4.1 The impervious surface roadways (including driveways into and out of the plant) and any other areas shall be maintained where there is a regular movement of vehicles, to reduce dust emissions.

5.0. WASTE MANAGEMENT

- 5.1 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 at the facility. Waste must be collected and disposed of at an approved waste disposal facility.
- 5.2 Non-hazardous solid waste shall not be burnt on site. All solid waste shall be disposed at an approved Solid Waste Disposal Site, by an EPA Authorised Waste Disposal Company.
- 5.3 Good house-keeping, sanitary, and hygienic practices shall be maintained at all times. The facility's drains and surroundings shall be kept free of vegetation and litter.
- 5.4 Hazardous wastes including appliances, fluorescent lamps, pesticides, etc. shall not be disposed of in non-hazardous waste containers.
- 5.5 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).

6.0 HAZARDOUS WASTE MANAGEMENT

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

- 6.1 Empty chemical/material containers or drums shall be managed as outlined below and are subjected to the Safety Data Sheets (SDSs) for each chemical:
 - 6.1.1 Empty containers contaminated with laboratory chemicals shall be destroyed prior to disposal at a landfill authorised by the EPA or reused, provided that the empty containers is not a hazard to human health or the environment.
 - 6.1.2 Empty containers may be reused to store the same laboratory chemical

- and/or waste.
- 6.1.3 Containers may be reused to store non-hazardous material and/or waste, if all chemical residuals have been removed and the container thoroughly cleaned.
- 6.2 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 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.
- 6.3 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.
- 6.4 Hazardous waste shall be recorded, collected, treated and disposed of by an EPA authorised hazardous waste disposal facility. 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**.

7.0 COMPLIANCE MONITORING AND REPORTING

- 7.1 Notify the Environmental Protection Agency **within one (1) hour** of the occurrence of any environmental emergencies (e.g. oil spills, hazardous materials/wastes, chemicals 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).
- 7.2 Make all employees, and third parties under your direction, aware of the conditions of this Operation Permit (Renewed) and provide training on environmental practices.
- 7.3 Monitor the implementation of the conditions of this Permit, insofar as they involve adherence by your employees.
- 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.
- 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.

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- 7.6 Submit **Annual Reports** to the EPA on the progress of the operation and compliance with the conditions under which this Permit was granted on or before **March 31** each year.
- 7.7 Report to the Agency any non-compliance(s) with the Operation 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, the anticipated manner in which it may endanger human health or the environment.
 - II. Within **seventy-two (72) hours**, submit to the Agency a written report containing a description of the non-compliance, its cause and the period of non-compliance including exact dates and time.
 - III. Submit a report to the Agency indicating the reasons and the anticipated time it is expected to continue if the non-compliance has not been corrected.
- 7.8 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.
- 7.9 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.
- 8.0 INSTITUTIONAL AUTHORITY/ LIABILITIES**
- 8.1 The EPA 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, the Environmental Protection (Amendment) Act, 2005, and the Environmental Protection Regulations, 2000.
- 8.2 The EPA 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 schedule as determined by the Agency for projects of this nature.
- 8.3 The Permit Holder 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 s.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.
- 8.4 The EPA shall have the right to cancel or suspend this Permit for breach of any of

the terms and conditions contained herein.

8.5 The Permit Holder, his Servants, Agents and/or Sub-Contractors shall be strictly jointly and severally liable as follows:

- a. For any activity that causes, or is likely to cause pollution of the environment, unless the person takes all reasonable and practicable measures to prevent or minimise any resulting adverse effect, in accordance with Section 19(1)(a) of the Environmental Protection Act, Cap. 20:05, Laws of Guyana.
- b. For any activity which results in the discharge, release or 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 Permit, in accordance with Section 19(1)(b) of the Environmental Protection Act, Cap. 20:05 Laws of Guyana.
- c. The discharge or release of contaminants, such as hydraulic fluids, lubricants, fuel, or other industrial fluids relative to the Project, which are not stipulated herein, or by Regulations under the Environmental Protection Act, are strictly prohibited. Any such discharge or release shall be a violation of Section 19(1)(b) of the Environmental Protection Act.
- d. For the compensation of any Party who suffers any loss or damage as a result of the project. (s.19(3)(e)) Environmental Protection Act, Cap. 20:05, Laws of Guyana.
- e. For any material or serious environmental harm caused by pollution of the environment intentionally or recklessly in accordance with section 39 (1), (2), (3) and (4) of the Environmental Protection Act, 20:05, Laws of Guyana.
- f. Any gross negligence or willful misconduct resulting in serious risk, or adverse effects to the marine environment, biodiversity, protected species and natural habitat with respect to any release or discharge, spill, contaminant fluids, oil, or lubricants from any facilities permitted under this project.
- g. For the payment of all costs and expenses related to the assessment of damage and investigations required, as result of any pollution incidents attributable to the activity for which this Permit has been issued.

8.6 The Agency (EPA) 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's lack of due care and diligence.

- 8.7 Should the Permit Holder contravene or is likely to contravene any condition of this Permit, the Agency (EPA) may serve him an enforcement notice in accordance with s. 26 of the Environmental Protection Act, Cap. 20:05, Laws of Guyana.
- 8.8 Where it appears to the Agency that the Permit Holder is engaged in any activity that may pose serious threat to natural resources or serious pollution of the Environment or any damage to public health, issue to the Permit Holder a Prohibition Notice, which may include an order to immediately cease the offending activity. See: s. 27 of the Environmental Protection Act, Cap. 20:05, Laws of Guyana.
- 8.9 This Environmental Permit is effective for the period stipulated herein; **September 2021 to August 2026.**
- 8.10 This Environmental Permit shall remain valid until **August 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.
- 8.11 This Permit must be renewed by submitting a completed Renewed Application Form for Environmental Authorisation (Operation Permit) to the Agency at least six months before this Permit expires, that is, no later than **March 31, 2026.**
- 8.12 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.
- 8.13 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.

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

Date 13.9.2021

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I hereby accept the above terms and conditions upon which this Operation 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 forthcoming regulations, guidelines, best practices and standards made under this Act.

NAME	MATA PERSAUD.
DESIGNATION	COMPANY SECRETARY / DIRECTOR.
SIGNATURE	<i>Mata Persaud</i>
DATE	13 th September 2021



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