



**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.:	20240118-MRRCP
Fee:	Medium (C1) - US\$500 per year
Fees to be Paid:	US\$1000 for Two (2) years (May, 2024 – April, 2026)
Addressee:	Mr. Meer Ryan Rahaman Director Guycrete Inc. Lot 3 Sandy Babb Street Kitty, Georgetown
Activity:	Manufacturing of Concrete Utility Poles and Trenching

Guycrete 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 (Authorisations) Regulations, 2000, for the Manufacturing of Concrete Utility Poles and Trenching at Lot 5 ‘E’ Enmore, East Coast Demerara, hereinafter referred to as the “Project,” in the manner indicated in the Application for Environmental Authorisation submitted on January 18, 2024, and subject to the terms and conditions set forth herein under the Environmental Protection Act, Cap. 20:05, existing and/or forthcoming regulations made under the said Act and/or any other 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 OPERATIONS

- 1.1 An application shall be made to the Agency to vary this Permit in instances where it becomes necessary to:
- change the construction, operation, structure, or layout of the facility and all associated buildings;
 - change equipment, machine, apparatus, mechanism, system or technology serving the facility;
 - change the position and design of any outlet at the point or points of discharge of effluents; or
 - effect any other change outlined in Regulation 20(3) of the Environmental

Protection (Authorisations) Regulations.

- 1.2 Standard Operating Procedures (SOPs) for the safe operation of the Concrete Mixer (Ransom) and other associated equipment shall be established, maintained, and submitted for inspection by the EPA upon request.
- 1.3 All employees shall be trained on these SOPs outlined in **condition 1.2** above. Training records shall be maintained and submitted for inspection by the EPA upon request.
- 1.4 All employees and third parties under the Project's direction shall be made aware of the conditions of the Environmental Authorisation.
- 1.5 The Permit Holder shall provide training on good environmental practices.
- 1.6 Servicing and maintenance of the Concrete Mixer (Ransom), generator(s), and other equipment shall be conducted in accordance with the manufacturer's specifications. Summarised maintenance records shall be maintained and submitted to the EPA upon request.
- 1.7 An automated system shall be installed to support the manual shut-off of the Concrete Mixer (Ransom) in cases of emergencies.
- 1.8 The Concrete Mixer (Ransom), trucks, generator, and other associated equipment shall at all times be mounted or parked on impervious bases to prevent fuel spills and leaks from entering the soil
- 1.9 Adhere to the requirements of the **Occupational Safety and Health Act, Cap. 99:06, Laws of Guyana.**

2.0 AIR QUALITY MANAGEMENT

- 2.1 Adhere to the provisions of the **Environmental Protection (Air Quality) Regulations, 2000.**
- 2.2 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

Air Pollutant	Averaging Time	Maximum Permissible Level	Type of Monitoring
PM _{2.5}	24h	15 µg/m ³	Ambient
PM ₁₀	24h	45 µg/m ³	Ambient

accordance with the WHO Air Quality Guidelines 2021:

Air Quality monitoring shall be conducted **annually** in accordance with the

parameters listed above by trained personnel utilizing calibrated equipment. Records shall be maintained and submitted to the EPA as a component of the **Annual Report**.

2.3 Particulate matter and dust suppression methods shall be maintained around the stockpiles and the concrete panel production facility, which include but are not limited to:

- 2.3.1 Wet suppression/watering shall be implemented to control dust emissions from material stockpiles and other components of the operation that contribute to dust emissions by a schedule;
- 2.3.2 Stockpiles of sand and other dusty materials shall be located in an area of low winds as far as possible from nearby sensitive receptors;
- 2.3.3 Stockpiles shall be relatively flat on top and not exceed a height of eight (8) feet;
- 2.3.4 Material shall be removed from the stockpile on the leeward side.
- 2.3.5 All stockpiles of sand and other dusty materials shall be covered with tarp or other suitable material when not used for extended periods to prevent particles from becoming airborne.

3.0 NOISE MANAGEMENT

- 3.1 Adhere to the provisions of the **Environmental Protection (Noise Management) Regulations, 2000**.
- 3.2 All significant noise-producing equipment, such as generators, shall be equipped with silencers or mufflers and/or be 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.

Noise emissions shall be monitored 15 meters from 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:

Residential Limits:

- **75 dB** (Daytime Limits (06:00 h- 18:00 h))
- **60 dB** (Nighttime Limits (18:00 h – 06:00 h))

Noise Quality monitoring shall be conducted **annually**, 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**.

4.0 HAZARDOUS WASTE (oily rags, waste oil, steel cuttings, pvc pipe cuttings, etc.) MANAGEMENT

- 4.1 Adhere to the provisions of the **Environmental Protection (Hazardous Waste Management) Regulation 2000**.
- 4.2 Fuel/lubricants, including waste oils, shall not be drained from the equipment onto the ground or into waterways.
- 4.3 Hazardous waste (Oily rags, waste oil, etc.) generated from the servicing of the vehicles and generator onsite shall be collected, stored, and treated by an EPA Authorized Hazardous Waste Treatment Facility.
- 4.4 Hazardous waste (Oily rags, waste oil, etc.) shall be stored in containers appropriate for the waste stream.

a) Sealed Metal Containers

- i. Solvents and Petroleum-based products
 - ii. Oil and Oily Absorbents
- 4.5 Hazardous waste containers shall be labelled with the following:
 - i. The words "**Hazardous Waste**"
 - ii. The type of waste
 - iii. Beginning accumulation date, i.e., 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.
- 4.6 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. Bunded area shall provide 110% containment of the largest volume stored therein.
- 4.7 Hazardous waste shall be treated and/ or disposed of by an EPA authorised Hazardous Waste Disposal Facility. All hazardous waste treatment and disposal shall be documented and submitted to the EPA as a component of the **Annual Report**.
- 4.8 Waste oil shall be transported in **sealed containers** appropriate for the waste.

- 4.9 Solid hazardous wastes shall be packed and strapped at least one meter below the height of the vehicle.
- 4.10 Each transport of hazardous waste shall generate a manifest. The manifest shall contain the following:
- i. The name and address of the waste generator;
 - ii. The name and description of the waste and hazardous class;
 - iii. The number and type of containers;
 - iv. The quantity of waste being transported; and
 - v. The name and address of the facility designated to receive the waste.
- 4.11 All vehicles utilized for the transport of hazardous and non-hazardous waste shall satisfy the requirements of the **Road Traffic** Laws. Evidence of this requirement shall be made available for inspection by the EPA upon request.

5.0 WASTE MANAGEMENT

- 5.1 Adhere to the provisions of the **Environmental Protection (Hazardous Waste 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 shall be placed upon impervious bases at strategic locations, both within and outside the facility.
- 5.3 Burning of waste is **strictly prohibited**.
- 5.4 The Project shall promote waste minimisation and the reuse and/or recycling of waste and other materials where practical.
- 5.6 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).
- 5.7 The Permit Holder shall construct and 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.

- 5.8 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 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).
- 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 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:
- 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.
- 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 any contaminant in any amount, concentration, ultrahazardous substances, chemicals, or otherwise, and shall be rendered liable to prosecution and to penalties prescribed under the Environmental Protection Act and Regulations.
- 7.7 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.
- 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 Environmental Protection Act, Cap. 20:05, Laws of Guyana.
- 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, and 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 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.
- 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 is not the final consent; all relevant Permissions should be obtained from other regulatory bodies for continued operation.**
- 7.14 This Environmental Permit is effective for the period stipulated herein: **May 2024 to April 2026.**
- 7.15 This Environmental Permit shall remain valid until **April 30, 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.
- 7.16 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 **October 31, 2025.**
- 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**

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late, until such renewal application is submitted to the Agency, without prejudice to any other rights of the Permit Holder in connection 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 *Shanifah Razack* on behalf of the Environmental Protection Agency



Date: 2024.05.13

I hereby accept the above terms and conditions upon which this Environmental Permit is granted and agree to abide by the Environmental Protection Act, Cap, 20;05, Laws of Guyana, Environmental Protection (Amendment) Act, 2005, the Environmental Protection (Authorisations) Regulations, 2000, and any existing or forthcoming regulations, guidelines, best practices and standards made under this Act.

NAME:	<i>Meer Ryan Kalamani</i>
DESIGNATION:	<i>Director</i>
SIGNATURE:	<i>Kalamani</i>
DATE:	<i>23/05/24</i>



