



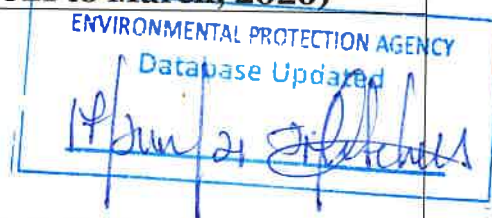
**Environmental
Protection
Agency**

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Operation 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.:	20190625-TPSQI
Fee:	Extra Large - US\$3,100, per year
Fee Paid:	US\$15,500: Five (5) Years (April, 2021 to March, 2026)
Addressee:	Mr. Rajesh Persaud Director Toolsie Persaud Quarries Inc. Lot 10-12 Lombard Street Georgetown.
Activity:	Operation of a Stone Quarry



Mr. Rajesh Persaud, trading and operating under the name Toolsie Persaud Quarries 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 the Environmental Protection (Authorisations) Regulations, 2000, to operate a quarry located at St Mary's, Essequibo River, Region No. 07, hereinafter referred to as the "Project", in the manner indicated in the Application for Renewal of Environmental Authorisation submitted on October 15, 2020, 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, any other applicable laws, best practices, standards, guidelines, codes of practice or other regulatory instruments relevant to this project.

This is a Renewal of the Operation Permit, Reference No. 20190625-TPSQI, issued on November 29, 2019 and expired on September 31, 2020.

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

1.0 GENERAL

- 1.1 Notify the Agency in writing and obtain its approval for **ANY** proposed changes to the operation of the Quarry **at least fourteen (14) days prior** to making the change. The notification shall contain a **description of the proposed change in the 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, or any additional installation, which may have consequences for the environment, including but not limited to the following:
- i. Changes in construction, structure, layout of the facility;
 - ii. Installation of new and/or changes to equipment, machine, apparatus, mechanism, system or technology serving the facility or operation; and
 - iii. Any technology installed at the facility from which effluent may be discharged.
- 1.2 Adhere to the Revised Environmental Management Plan (EMP) submitted on February 10, 2021.
- 1.3 Ensure mining activities do not occur outside the boundaries of **Point A**, located at geographical coordinates of longitude **58°35'21.523"W** and latitude **6°14'46.511"**, thence at true bearing of **359.37°**, for a distance of approximately **1 mile 150.268 yards**, to **Point B**, located at geographical coordinates of longitude **58°35'22.15"W** and latitude **6°15'43.06"**, thence at true bearing of **89.48°**, for a distance of approximately **1 mile 112.24 yards**, to **Point C**, located at geographical coordinates of longitude **58°34'26.393"W** and latitude **6°15'43.564"**, thence along the left bank of Essequibo River, for a distance of approximately **1 mile 961 yards**, to **Point D**, located at geographical coordinates of longitude **58°34'43.356"W** and latitude **6°14'46.014"**, thence at true bearing of **270.75°**, for a distance of approximately **1281.7 yards**, to the point of commencement at **Point A**
- 1.4 Maintain demarcated property boundary limits as provided in condition 1.3 for the site claim.
- 1.5 The Permit Holder shall not undertake any development activity which may significantly affect the environment other than those activities covered by this Permit (blasting, extraction, processing and storage of Quarry materials) without prior approval from the EPA.

- 1.6 Adhere to the stipulations within the **Mining Act, No. 20 of 1989**, the **Mining Regulations** including the **Mining (Amendment) Regulations, 2005**, the **Explosives Act, Cap 16:06**, the **Blasting Operations Act, Cap 65:03**, and **Regulations of the Maritime Administration Department of the Ministry of Public Infrastructure**.
- 1.7 Ensure proper signage and security measures to keep unauthorized persons from accessing restricted and high-risk areas.
- 1.8 Ensure that transportation of quarry materials by tugs and/or barges to and from the project site does not encumber traffic on the Essequibo River, and is done in accordance with the requirements of the **Maritime Administration Department**.

2.0 OCCUPATIONAL HEALTH AND SAFETY

- 2.1 Adhere to the provisions of the **Occupational Safety and Health Act, Cap. 99:01, Laws of Guyana**.
- 2.2 Provide employees with training on good environmental management practices, occupational health and safety and of their obligations under this Permit on a regular basis.
- 2.3 Prepare and maintain a training file for all employees and third-party contractors, which should be available upon request to Officers of the Agency during an inspection.
- 2.4 Employees shall be equipped with Personal Protective Equipment relevant to the occupational tasks during operation. These Personal Protective Equipment (PPE) must include but not be limited to:
 - I. Safety helmets;
 - II. Protective respiratory devices
 - III. Safety boots with ankle support;
 - IV. Gloves with reinforced palms and fingers; and
 - V. Safety goggles.


(Employees shall at all times be well protected)

- 2.5 Prepare and maintain an employee log of distribution of Personal Protective Equipment, which should be available upon request to Officers of the Agency during an inspection.

- 2.6 Ensure that proper prophylactic or other acceptable measures are implemented to protect workers and other persons from malaria and other harmful diseases at the project site.
- 2.7 Provide and maintain adequate fire protection measures, in accordance with guidelines established by the Guyana Fire Service.
- 2.8 Provide first aid at the work site.
- 2.9 Ensure that communication and transportation systems are in place to respond to emergencies.

3.0 VEGETATION CLEARING, TOP SOIL STRIPPING AND RECLAMATION

- 3.1 Maintain natural vegetative cover as far as practical, especially in the vicinity of steep slopes occurring at project site and re-vegetate areas from which vegetation were removed.
- 3.2 Not store topsoil (overburden) within three meters (3m) of natural vegetation or mine face. Top soil and vegetation should be carefully stripped and stockpiled in an allocated area marked by a sign, so that it can be used for reclamation and re-vegetation as mining finishes.
- 3.3 Practice alternative methods of vegetation clearing rather than burning, such as, manual or mechanical felling or bulldozing.
- 3.4 ✓ Employ practical measures, such as growing of vegetation such as shrubs and grasses on stockpiles of topsoil to reduce erosion, and dust nuisance to surrounding ecosystems.
- 3.5 Store overburden stockpiles away from the drainage system at least **Two Hundred (200) meters** away from any water courses. Runoff from this overburden must be directed to the sedimentation/settling pond for treatment before discharge.
- 3.6 Maintain the integrity of areas where riparian vegetation is located to aid in mitigating erosion/sedimentation impacts at the site.
- 3.7 ✓ Where possible, topsoil should be placed directly onto an area being rehabilitated to reduce double handling of soil.
- 3.8 Consider the weather pattern before initiating major earthworks. Monitor areas of exposed soil during periods of heavy rainfall.

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- 3.9 Take necessary precautions to avoid soil compaction, erosion, rutting, siltation and sedimentation during operation by limiting the size of the disturbed area, slope length and gradient, and the duration of soil exposure.

4.0 DRILLING AND BLASTING

- 4.1 Adhere to the Blasting Plan and Procedures plan submitted on October 06, 2020; any modification of the said Plan must be approved by the Guyana Geology and Mines Commission and submitted to the Agency within **two (2) weeks** from date of approval.
- 4.2 Ensure the use, storage, transport, handling, and general management of explosives are done in accordance with relevant laws and regulations including the **Explosives Act, 1989**, and subsequent amendments and the requirements of the Guyana Geology and Mines Commission and the Guyana Police Force.
- 4.3 Employ and utilise a drilling and blasting supervisor, who is certified and licensed by the Guyana Geology and Mines Commission (GGMC).
- 4.4 Ensure the appropriate blast design parameters are in place prior to the actual blasting. Attain minimum ground vibration by the utilisation of:
- Appropriate delay intervals for charge ignition.
 - Appropriate pattern.
 - Orientation of blast holes.
 - Confinement of the charge.
- 4.5 Ensure secondary blasting is avoided as much as possible, rather, drop balling, using a heavy mass operated by a dragline should be considered.
- 4.6 Ensure that a review of the blast design is undertaken where necessary including the size of the Maximum Instantaneous Charges (MICs) and detonating sequence and that the correct stemming is in place.
- 4.7 Ensure that all measures such as the use of deck charges are utilised to reduce ground vibrations.
- 4.8 Ensure that all sites are evacuated and guarded before shots are fired. A distinctive **audible warning signal** must be given before firing and at the all-clear. In addition, notify nearby communities and homesteads of blasting times.

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- 4.9 After the firing of Blast pattern a Post Blast inspection must be conducted by a Certified Blaster/Shotfirer to identify any potential hazards or evidence of a misfire and/or the associated corrective action required to make the area safe before an "ALL Clear" is given prior to personnel and/or equipment being allowed back into blast radius.
- 4.10 Blast Pattern should be allowed a "Post Blast Fume Dispersion" time of **30-40 minutes** to allow prevailing winds or air currents enough time to readily dilute and dissipate to the atmosphere any gases generated in open pit blasting before the Re-entry of Personnel to this area.
- 4.11 After entering Blast radius any person experiencing sudden acute effects of coughing, shortness of breath or irritation of the mucous membranes of the eyes, nose or throat following post-blast Nitric Oxide (NOx) events must be examined by a medical practitioner without delay, even if no NOx smell was noticed or symptoms are mild.

5.0 CRUSHING PLANT

- 5.1 Ensure that the crushing plant and ancillary equipment are operated in strict compliance with the manufacturer's specifications.

6.0 ROADS

- 6.1 Construct and maintain all roads to ensure good drainage and dust management. The running surface of the roads should be crowned with a compacted layer and possess good drainage on both sides to catch and direct water to the local drainage system.
- 6.2 Ensure that adequate and appropriate road signage is installed with provisions for safe line of sight along all access roads and tracks. Signs should inform users of dangerous bends, crossing of haul trucks, vehicle speed limits, etc.
- 6.3 Ensure that activities as they relate to operation and maintenance of roads, drainage ditches, culverts and or berms, etc. are done in a manner that results in minimal impact on public health and the environment.
- 6.4 Ensure that all reasonable and practical measures such as the provision of turnout drains at regular intervals are implemented to prevent erosion of roads. Runoff from roads, stockpile areas, etc., should not be discharged directly to natural water ways such as the Essequibo River and/ **St Mary's Creek, Klinepera Creek/** tributaries within or contiguous to the Project site.

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- 6.5 Ensure roads are sloped and constructed to minimise the likelihood of soil erosion.

7.0 WATER QUALITY MANAGEMENT

- 7.1 Adhere to the provisions of the **Environmental Protection (Water Quality) Regulations, 2000.**
- 7.2 Maintain the integrity of the existing waterways at all times. Discharges from sediment ponds or the operation into the **Essequibo River, St Mary's Creek, Klinepera Creek and surrounding environment** should be in accordance with the Guyana National Bureau of Standards Interim *Guidelines for Industrial Effluent Discharge into the Environment* (IFC), US EPA and World Bank Water Quality Standards. The following maximum allowable limits should not be exceeded:

Parameter(s)	Maximum Allowable Limits	Frequency of Monitoring
pH	5.0 – 9.0	Bi- Annual
Temperature	<40°C	Bi- Annual
Biological Oxygen Demand (BOD)	<50 mg/L	Bi- Annual
Chemical Oxygen Demand (COD)	< 250 mg/L	Bi- Annual
Total Suspended Solids (TSS)	<50 mg/L	Bi- Annual
Oil and Grease (O&G)	<20 mg/L	Bi- Annual
Turbidity (NTU)	<50mg/L	Bi- Annual
Total coliform	< count/100ml	Bi- Annual
N as NH ₃	<50mg/L	Bi- Annual

- 7.3 Monitor the water quality for the parameters listed in above 7.2 above within the **St Mary's Creek, Klinepera Creek and Essequibo River** on a biannual basis, (once in the wet season and once in the dry season). Grab samples should be obtained from the following sample points:
- At the point of discharge from the quarry into sediment ponds;
 - Fifteen (15) meters** Upstream of sediment pond discharge point; and
 - Fifteen (15) meters** Downstream of sediment pond discharge point.
- 7.4 Ensure that sediment control structures such as soak ways, settlement/water detention ponds and silt fences, are implemented at the site(s) to prevent the direct inflow of sediments to surface water.


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- 7.5 Ensure that waste/spoil piles are surrounded by perimeter berms to manage discharges of sediment; all runoff from this area shall be directed to a settling pond.
- 7.6 Ensure erosion susceptible areas are sloped, benched or lined with erosion control structures to manage surface runoff.
- 7.7 Establish and maintain a vegetative **two hundred (200) meters** buffer zone between the rock deposit and the **St Mary's Creek** and **Klinepera Creek** to reduce erosion.
- 7.8 Construct and maintain a good drainage system capable of handling the probable maximum precipitation storm event at all facilities. Storm water discharge should be directed into appropriately designed sediment ponds before discharge into surrounding waterways.
- 7.9 Maintain the settling ponds at the project site. The pond should allow for maximum retention time of waste water to allow for settling of suspended solids and natural degradation of possible contaminants prior to water being released to the natural environment.
- 7.10 Silt fences should be installed at discharge points of drainage systems to reduce the sediment loads entering sediment ponds.
- 7.11 As far as possible, divert surface water runoff from higher mine benches to prevent it from reaching lower workings. Where possible, strategically place low permeability materials to restrict water flow into mining areas.
- 7.12 As far as possible, implement practical measures to prevent pollution of the **Essequibo River, St Mary's Creek** and **Klinepera Creek**. Domestic waste water shall not be discharged directly into watercourses. Install a filter treatment system at the domestic water discharge point for further treatment before discharge.
- 8.0 FUEL, HAZARDOUS MATERIALS AND HAZARDOUS WASTE MANAGEMENT**
- 8.1 Adhere to the provisions of the **Environmental Protection (Hazardous Waste Management) Regulations, 2000**.
- 8.2 Prepare and submit to the Agency no later than **forty-five (45)** days after the end of the operating year, a report relating to the activities for the previous year. The report shall include:

- The name, location and type of facility.

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- Types and quantities (in metric units) of hazardous waste generated.
- Manner of storage, use, any applied treatment standards/methods and disposal of these substances.
- Data concerning off-site shipments of waste, i.e. local disposal facility utilised, country to which hazardous waste was shipped, purpose of shipment and amount of waste shipped.
- A summary of any accidents that may have occurred and any action taken.
- Any waste minimisation efforts undertaken by your facility for hazardous material/waste.
- Any other matter the Agency may require.

The Agency considers all materials listed in Schedules I and II of the **Environmental Protection (Hazardous Waste Management) Regulations, 2000**, to be hazardous.

- 8.3 Notify the Agency of the company's intention to utilise any hazardous chemicals at the operation site and/or submit the approvals obtained from the **Guyana Geology and Mines Commission (GGMC)** and/or **Pesticides & Toxic Chemicals Control Board (PTCCB)** for the use of such chemicals.
- 8.4 Obtain, under the Pesticides and Toxic Chemicals Regulations, a separate licence for the use of poisonous substances.
- 8.5 Store all lubricants, coolant, acid-generating materials, waste oil and any material contaminated with hydrocarbons such as used filters and oily rags in an approved manner, such as in drums or surface tanks with impervious bunds to contain spillage. Ensure that the areas assigned for storage of the aforementioned materials are located away from operating areas, drainage lines and major waterways.
- 8.6 All hazardous materials should be stored in accordance with their specific Material Safety Data Sheet (MSDS).
- 8.7 Establish and maintain a register of hazardous materials or chemicals at the operations sites along with the Material Safety Data Sheet (MSDS). The register should be made available to the EPA upon request and available to all personnel.
- 8.8 Construct and maintain adequate containment with an impervious surface for the storage and handling of all hazardous materials, oils, lubricants and fuels. Containment should be constructed to store 110% of the total volume of the largest tank. Oil-water separators must be installed where necessary.

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- 8.9 Ensure that all fuel or hazardous materials and waste are stored away from ignition sources and have **"No Smoking"** signs posted where fuel is handled or stored.
- 8.10 Ensure all potential spills of fuel, oil, or other hazardous materials are prevented or cleaned up in accordance with Revised Environmental Management Plan (Emergency Response plan) submitted February 10, 2021.
- 8.11 Maintain emergency spill cleanup kits and equipment on site for response to potential spills.
- 8.12 Refrain from draining fuel/lubricants including used/waste oils of any quantity from equipment onto the ground or into waterways.
- 8.13 Petroleum/chemicals containers must be suspended or placed on stands so that leaks are easily identifiable.
- 8.14 All chemical storage containers should be kept in well-sealed and individually labeled containers and properly stored in an impervious and well-ventilated room/bond.
- 8.15 Take the necessary precautionary measures during the transport and use of fuel and other chemicals/hazardous materials.
- 8.16 Implement a programme to ensure regular and preventative maintenance of machinery and equipment to prevent leaks and minimise air emissions and hydrocarbon releases.
- 8.17 Ensure that every precaution is taken to avoid spillage during fuel transfers. Establish a dispensing area and utilize equipment such as drip trays and liner to collect spilled product during transfer.

9.0 WASTE MANAGEMENT

- 9.1 Adhere to the provisions of the **Environmental Protection (Litter Enforcement) Regulations, 2013.**
- 9.2 Promote proper solid waste management and disposal practices at your facility. Waste shall not be disposed of in or near the waterways. Reduction and reuse of waste should be promoted.
- 9.3 Ensure that solid waste pits are located at least **one hundred (100) meters** away from watercourses, or habitation. The waste sites should be constructed

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above the ground water table and lined to the floor with an impervious earthen or other material to prevent leaching to ground water.

9.4 Maintain good house-keeping, sanitary and hygienic practices and the aesthetic quality of the surroundings at all times.

9.5 Ensure that garbage receptacles are placed in strategic locations within the project site. Have separate bins to facilitate the collection and sorting of waste according to liquid and solids; organic and inorganic; degradable and non-degradable. Used tyres and batteries should be re-used or disposed of in a manner approved by the EPA.

9.6 Ensure that all pit latrines onsite are modified to facilitate improved ventilation in keeping with **Guyana National Bureau of Standards (GNBS)**.

9.7 Maintain the septic tank system at all times, ensuring adequate cleaning and de-sludging. 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*.

9.8 All on-board waste from the tugs and barges should be collected and disposed of at the intended destination. **At no time, should waste be dumped over-board.**

10.0 AIR QUALITY MANAGEMENT

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

10.2 Comply with the *World Health Organisation (WHO) Air Quality Guidelines for Particulate Matter in the Environment*, not exceeding the limits below:

Air Pollutant	Maximum Pollutant Level
PM _{2.5}	10 µg/m ³ annual mean
	25 µg/m ³ 24-hour mean
PM ₁₀	20 µg/m ³ annual mean
	50 µg/m ³ 24-hour mean

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- 10.3 Conduct monitoring for the parameters listed in condition 10.2 on an annual basis and submit results to the EPA as a component of the Environmental Annual Report required in **condition 13.2**. Readings shall be obtained at the following locations, but not limited to:
- Haul Roads;
 - Overburden Stockpiles;
 - Finished product stockpile;
 - Aggregate processing area;
 - Quarry pit; and
 - Housing Area
- 10.4 All internal roads on the project site should be soaked as needed in areas close to housing to not exceed ambient dust conditions.
- 10.5 Establish and maintain the vegetative buffer zone of **two hundred (200) meters** between the Quarry and the St Mary's Creek and Klinepera Creek and other contiguous land uses to buffer noise and fugitive dust emissions.
- 10.6 Ensure measures are taken to avoid or reduce dust pollution from the mines. Dust suppressants i.e. water soaking etc. shall be used during dry season and as necessary.
- 10.7 Install enclosures and dust suppression systems on the mobile and fixed crushing plant, screening plant and other equipment.
- 10.8 Respond to equipment malfunction or **inefficiencies** which may result in visible emissions to air. In the event of malfunction leading to abnormal emissions the operator shall:
- a) investigate and undertake remedial action **immediately**;
 - b) adjust the process or activity to minimise those emissions; and
 - c) record the events and actions taken.
- 10.9 As far as possible, site and orient material stockpiles and storage areas to reduce wind exposure.
- 10.10 Ensure that the exhaust stack of the generator is of an appropriate height, preferably at least **two (2) meters** above the tallest building nearby, to minimise adverse fumes/soot impacts to contiguous areas.
- 10.11 Employ all practical measures along haul roads, stockpile areas, and other necessary areas to control and prevent fugitive dust impacts during operation of the plant. Dust-suppression methods, such as wetting, should be used, as necessary. Special consideration should also be taken of prevailing wind direction, where necessary.

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11.0 NOISE MANAGEMENT

- 11.1 Adhere to the provisions of the **Environmental Protection (Noise Management) Regulations, 2000.**
- 11.2 Comply with the Guidelines for Noise Emissions into the Environment for Guidelines for Noise Emissions into the Environment, not exceeding the limits below at a distance of 15 m (50 ft) from the source or property boundary, whichever is closer.

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

- 11.3 Equip all sound - making devices, e.g. generators, planers, etc. with silencers or mufflers to reduce noise level and/ or enclose all sound making devices in structures constructed with materials of good insulation properties (e.g. hollow concrete blocks, insulation boards, solid clay bricks, etc.)
- 11.4 Ensure that the exhaust stack of the generator is of an appropriate height, preferably above the tallest building nearby, to minimise adverse fumes/soot impacts to contiguous areas.
- 11.5 Ensure that all equipment and machinery are placed on foundations properly designed to ensure effective damping of vibrations.
- 11.6 Operate and service all mechanical equipment in accordance with manufacturer's specifications at all times. Additionally, ensure that mechanical equipment and vehicles are regularly maintained and work at their optimal levels to minimise atmospheric emissions.

12.0 BIODIVERSITY PROTECTION

- 12.1 Establish vegetation around production facilities and along access roads to mitigate the impact on terrestrial resources.
- 12.2 Avoid blasting/intense construction activities during sensitive biodiversity seasons of the year as advised by the Guyana Wildlife Commission.
- 12.3 Undertake construction, including clearing of vegetation at a pace slow enough to ensure that terrestrial animals and aquatic life can move to other locations.
- 12.4 Report all occurrences of illegal wildlife trapping and trading to the EPA and Wildlife Management Authority.

- 12.5 Communicate to employees that the capture, trading and/or removal of endangered and vulnerable wildlife from the project area and surrounding areas is forbidden, in accordance with the **Wildlife Conservation and Management Act, 2016**, and any of its applicable forthcoming Regulations. The said Regulations will replace the **Environmental Protection (Wildlife Management and Conservation) Regulations, 2009**; the provisions of which will be adhered to by all parties until such time.

13.0 COMPLIANCE MONITORING AND REPORTING

- 13.1 Monitor the implementation of the conditions of this **Operation Permit (Renewed)**, insofar as they involve adherence by employees and all third parties under your direction.
- 13.2 Submit **Environmental Annual Reports** to the EPA on or before **March 31** every year on your compliance with this Permit.
- 13.3 Ensure the reports and records of monitoring include the following:
- The names of the individuals and designations, who conducted sampling, prepared and compiled the reports;
 - The date, place/location, time, weather conditions, techniques and methods used in sampling;
 - The date the measurements were compiled or analysed and the names of the individuals who compiled the information;
 - Observations, readings, calculations, benchmarks, bench data, the results of analyses;
 - Limitations of the sampling process and all other occurrence at the time of study, which may affect the results;
 - Photographs and drawings of all relevant aspects of the operation; and
 - The state of operation of facilities at the time of measurement, including planned and unplanned shutdowns, production levels and achievement of design capacity, identification of release point, source of release and substances being released.
- 13.4 Comply with any lawful directions given by the EPA from time-to-time in furtherance of the implementation of any international or other obligations for the environmental protection.
- 13.5 Inform the Agency prior to or within **thirty (30) days** of any change of name or ownership of the operation.

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- 13.6 Notify the Agency within **twenty-one (21) days** in event of bankruptcy, liquidation or receivership of the Permit Holder or if the Company becomes a party to an amalgamation.
- 13.7 Notify the EPA **within one (1) hour** of the occurrence of any environmental emergencies such as a sudden disaster, accident, natural, technological or human induced factors that cause or threaten to cause severe environmental damage as well as harm to human health or livelihood.
- 13.8 Report to the Agency of non-compliance with the **Operation Permit (Renewed)**:
- 13.8.1 Within **twenty-four (24) hours** of the time the Holder of the Operation Permit (Renewed) becomes aware of the non-compliance, the anticipated manner in which it may endanger human health or the environment.
 - 13.8.2 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.
 - 13.8.3 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.
- 13.9 Implement relevant measures/agreements to avoid conflicts with other land users/communities. Conflicts should be reported to the relevant authorities if they occur.
- 13.10 Inform the **National Trust and Walter Roth Museum** if any artefacts of archaeological and anthropological significance are unearthed during St Mary's Quarries Inc. operations.
- 13.11 Submit to the EPA the results of all periodic audits conducted by the GGMC.
- 13.12 Immediately notify the EPA within **twenty (24) hours** of any accidental release of contaminants or incidence of pollution into the environment. The Permit Holder shall provide the financial, equipment and technical capacity to adequately respond to any emergency that may occur on site and emergency response shall be immediate.
- 13.13 Submit to the Agency a detailed **Project Closure Plan** for approval **two (2) years** prior to closure. Thereafter, the closure plan will be updated and reviewed at a frequency agreed to with the Agency, as needed.

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14.0 INSTITUTIONAL AUTHORITY/LIABILITIES

- 14.1 The Permit Holder shall be strictly liable for any loss or damage to the environment through any act caused intentionally or recklessly, through the adverse effect of any discharge or release, or cause or permit the entry of pollution, contaminant in any amount, concentration or level in excess of that prescribed by the regulations or stipulated by any environmental authorisation which are attributed to any Project (and more specifically petroleum activities). S. 19(1) and (2) of the Environmental Protection Act, Cap. 20:05, Laws of Guyana.
- 14.2 The Permit Holder shall comply strictly with section 39 (1), (2), (3) and (4) of the Environmental Protection Act Cap 20:05, Laws of Guyana.
- 14.3 The Permit Holder shall strictly observe section 19 (3) of the Environmental Protection Act Cap 20:05, Laws of Guyana.
- 14.4 The Permit Holder may be liable for environmental damage due to pollution from its activities within Guyana.
- 14.5 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, Laws of Guyana, the Environmental Protection (Amendment) Act, 2005, and the Environmental Protection (Authorisations) Regulations, 2000.
- 14.6 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 Environmental Protection Act, Cap. 20:05, 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 be liable to penalties prescribed under paragraph (c) of the Fifth Schedule for doing so.
- 14.7 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 structure as determined by the Agency for projects of this nature.
- 14.8 The EPA shall have the right to cancel or suspend this Permit for breach of any of the terms and conditions contained herein.
- 14.9 This Operation Permit (Renewed) is not the final consent; all relevant permission should be obtained from other regulatory bodies for continued operation.

- 14.10 The Permit Holder shall compensate any Party who suffers any loss of damage as a result of the attributed project. (Part V, s.19 (3) (e) of the Environmental Protection Act, Cap. 20:05, Laws of Guyana.
- 14.11 The Permit Holder shall be responsible for the payment of all cost related to the assessment of damage and costs for the independent assessor(s).
- 14.12 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 lack of due care and diligence.
- 14.13 Should the Permit Holder contravene or is likely to contravene any condition of this Permit, the Agency (EPA) may serve on him an enforcement notice in accordance with s. 26 of the Environmental Protection Act, Cap.20:05, Laws of Guyana.
- 14.14 Where it appears to the Agency (EPA) 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, the Permit Holder shall be issued with a Prohibition Notice Order to immediately cease the offending activity in accordance with s. 27 Environmental Protection Act, Cap. 20:05, Laws of Guyana.
- 14.15 The Permit Holder shall be liable of any gross negligence or willful misconduct caused by the Permit Holder and/or Agents, to the marine environment, biodiversity, protected species and natural habitat with respect to any release or discharge, spill, contaminant fluids, oil or lubricants from the fuel storage at any facilities permitted under this project.
- 14.16 This Permit is effective for the period stipulated herein **April, 2021 to March, 2026.**
- 14.17 This Operation Permit (Renewed) shall remain valid until **March 31, 2026** **unless** otherwise cancelled, suspended, modified or varied in accordance with the provisions of this Permit or the Environmental Protection Act, Cap. 20:05, Laws of Guyana, the Environmental Protection (Amendment) Act, 2005, and the Environmental Protection (Authorisation) Regulations, 2000.
- 14.18 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 **September 30, 2025.**
- 14.19 Any late submission of renewal application(s) after the specified date as stated above, shall 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 (\$2,000.00) per 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.

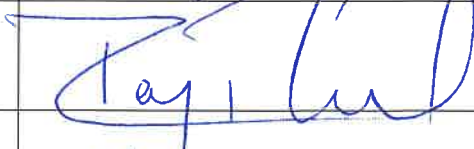
- 14.20 Failure to comply with the requirements of this Permit shall render the Permit Holder liable to prosecution and to civil penalties and/or injunctive reliefs prescribed under the Environmental Protection Act, Cap. 20:05, Law of Guyana, the Environmental Protection (Amendment) Act 2005, and the Environmental Protection (Authorisations) Regulations 2000, including under any existing and forthcoming regulations made under the said Act or any other applicable Laws of Guyana.

Signed by  on behalf of the Environmental Protection Agency.

Ms. Sharifah Razack
Executive Director (a.g)

Date: 2021. 04. 26

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, Laws of Guyana, the Environmental Protection (Amendment) Act, 2005, the Environmental Protection (Authorisations) Regulations, 2000, and any existing or forthcoming regulations, best practices, guidelines and standards made under this Act.

NAME:	RAJESH PERSAUD
DESIGNATION:	COMPANY DIRECTOR
SIGNATURE:	
DATE:	May 14, 2021

