



**Environmental  
Protection  
Agency**

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## **Environmental Permit (Transferred)**

**Issued under the Environmental Protection Act, Cap. 20:05, Laws of Guyana, the Environmental Protection (Amendment) Act, 2005, and the Environmental Protection (Authorisation) Regulations, 2000.**

<b>Reference No.:</b>	<b>20180326-SEMSL</b>
<b>Fee:</b>	<b>Small (C2) – US\$ 175 per year</b>
<b>Fee Paid:</b>	<b>US\$875: Five (5) years (February, 2020 to February, 2025)</b>
<b>Addressee:</b>	<b>Mr. Collis Baveghems Lot 2 Station Street, Kitty Georgetown.</b>
<b>Activity:</b>	<b>Establishment and Operation of a Sand and Loam Mine</b>

Mr. Collis Baveghems, hereinafter referred to as the “Permit Holder”, is hereby authorised in accordance with the Environmental Protection Act, Cap. 20:05, Laws of Guyana, the Environmental Protection (Amendment) Act, 2005, and the Environmental Protection (Authorisation) Regulations, 2000, to construct and operate a Sand and Loam Mine located within Block E-37/MP/000, Hauraruni Creek, Linden-Soesdyke Highway, hereinafter referred to as the “Project”, in the manner indicated in the Application submitted on March 26, 2018, subject to the terms and conditions set forth herein and any existing and forthcoming regulations made under the said Environmental Protection Act and/or any other applicable laws, best practices, guidelines and standards relevant to this project.

This is a Transfer of the Operation Permit, Reference #20180326-SEMSL, issued in February, 2020 and expires on February, 2025, in accordance with the Environmental Protection (Authorisations) Regulations, 2000.

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

## **1.0 OPERATION**

1.1 Notify the Agency in writing and obtain its approval for **ANY** proposed changes to the operation **at least fourteen (14) days** prior to 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, including but not limited to the following:

- Changes in construction, structure, layout of the facility, plant or building;
- Installation of new and/or changes to equipment, machine, apparatus, mechanism, system or technology serving the facility or operation; or
- Any technology installed at the facility from which effluent may be discharged.

1.2 Ensure mining activities do not occur outside the boundaries of Point A, located at geographical coordinates of longitude 58°13'7"W and latitude 6°23'1"N, thence at true bearing of 90°, for a distance of approximately 1151 yards to Point B, located geographical coordinates of longitude 58°12'32"W and latitude 6°23'1"N, thence at true bearing of 180°, for a distance of approximately 207 yards to Point C, located at geographical coordinates of longitude 58°12'32"W and latitude 6°22'55"N, thence at true bearing of 270°, for a distance of approximately 1151 yards, to Point D, located at geographical coordinates of longitude 58°13'7"W and latitude 6°22'55"N, thence at true bearing of 360°, for a distance of approximately 207 yards, to the point of commencement at Point A.

1.3 Not undertake any development activity which may significantly affect the environment other than those activities covered by this Permit without prior approval by the EPA.

1.4 Ensure proper signage and security measures to keep unauthorized persons from accessing restricted and high-risk areas.

1.5 Use benchmarks to determine depth achieved during mining operations.

1.6 Conduct excavation to a depth that leaves 2 m above the water table. No mining is allowed at or below the water table.

## **2.0 OCCUPATIONAL HEALTH AND SAFETY**

- 2.1 Provide adequate fire protection measures, in accordance with guidelines established by the Guyana Fire Service.
- 2.2 Adhere to the requirements of the Occupational Health and Safety Act to ensure that employees' health and safety are protected.
- 2.3 Ensure all employees are aware of the Conditions of this Operation Permit and provide training on good environmental management practices. Prepare and maintain a training file for employees which should be available upon request by Officers of the Agency.

## **3.0 VEGETATION CLEARING AND TOP SOIL STRIPPING**

- 3.1 Ensure vegetative debris is incorporated and stored with top soil to keep active for reuse in reclamation. In addition, practical measures, such as growing of vegetation such as shrubs and grasses on stockpiles of topsoil should be employed to reduce erosion.
- 3.2 Where possible, topsoil should be placed directly onto an area being rehabilitated to reduce double handling of soil.
- 3.3 Stockpile topsoil in suitable storage sites, where reuse can be accomplished easily.
- 3.4 Conduct reclamation activities at mined out sites/pits, in accordance with the stipulations of the Environmental Codes of Practice for Sand and Loam Mining (*Guyana Geology and Mines Commission, Environmental Management Codes of Practice 2010, Mining Amendment Regulations, 2005*).
- 3.5 Progressively rehabilitate the site, allocating at least one metre of the top soil to be used as backfill material. Rehabilitation will include reduction of slopes to prevent landslides and/or erosion and re-vegetation.

## **4.0 ROADS AND BUFFER ZONE MANAGEMENT**

- 4.1 Utilise only one access road to the sand mine from the main access road.
- 4.2 Ensure that all measures such as grading and compacting of the access road are carried out as is necessary to maintain the road.



- 4.3 Maintain the access road to provide for good drainage and dust management. The running surface of the road should be crowned with a compacted layer and with good drainage on both sides to catch and direct water to local drainage system. In addition, the road should be wetted as needed to meet ambient dust conditions.
- 4.4 Ensure that transportation to and from the operation do not impede Road traffic.
- 4.5 Demarcate and maintain boundary limits for the sand mine. Ensure proper signage and security measures are in effect to keep unauthorized persons from accessing restricted and high-concern areas.
- 4.6 Maintain a non-extractable, vegetated buffer zone at least 20 m around any water source/spring located within the property.
- 4.7 Re-vegetate and maintain a non-extractable vegetated buffer zone 20 m wide from the access road junction towards the mine.

## **5.0 FUEL, AND HAZARDOUS WASTE MANAGEMENT**

- 5.1 Comply with the provisions of the **Environmental Protection (Hazardous Wastes Management) Regulations, 2000.**
- 5.2 Establish and maintain a designated area for refuelling and oil changes. The designated area should be surfaced with an impervious material such as concrete and so designed as to allow for easy cleanup of accidental fuel and oil spills.
- 5.3 Waste oil generated on site should be stored in closed containers and disposed of in a manner approved by the EPA.
- 5.4 Take the necessary precautionary measures during the transport and use of fuel and other chemicals/hazardous materials.
- 5.5 Maintain and/or construct adequate containment with an impervious surface for the storage of all hazardous materials, oils, lubricants and fuels. Containment should be constructed to store 110% of the total of the largest tank volume of stored material. Oil/water separators must be installed where necessary.

## **6.0 WASTE MANAGEMENT**

- 6.1 Comply with the provisions of the **Environmental Protection (Litter Prevention) Regulations, 2013.**



- 6.2 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.
- 6.3 Ensure that solid waste pits are located at least one hundred (100) metres away from watercourses, or habitation. The waste sites should be constructed above the ground water table and lined to the floor with an impervious earthen or other material to prevent leaching to ground water.
- 6.4 Maintain good house-keeping, sanitary and hygienic practices and the aesthetic quality of the surroundings at all times.
- 6.5 Ensure that garbage receptacles are placed in strategic locations within the project site. Both employees and the general public are strictly prohibited from disposing any garbage, of any quantity and type, within the mining site. Used tyres and batteries should be re-used or disposed of in a manner approved by the EPA.

#### **7.0 DUST AND NOISE MANAGEMENT**

- 7.1 Comply with the Environmental Protection (Noise Management) Regulations, 2000, and the Environmental Protection (Air Quality) Regulations, 2000.
- 7.2 Comply with the Guyana National Bureau of Standards (GNBS) Interim Guidelines for the Measurements and Assessment of Noise 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 **100 dB** (Day-time (06:00 – 18:00h))  
**80 dB** (Night-time (18:00-06:00h))

- 7.3 Take all necessary precautions to reduce any instances of air emissions into the environment from the operation.
- 7.4 Ensure that all equipment and machinery are placed on foundations properly designed to ensure effective damping of vibrations.
- 7.5 Maintain and observe maintenance schedules of all equipment/machinery.

#### **8.0 COMPLIANCE MONITORING AND REPORTING**

- 8.1 Submit to the EPA, the **Environmental Annual Reports** on the progress of the operation and compliance with the conditions under which this Authorisation

was granted on or before **March 31** each year (Please see attached, the *Guidelines for the preparation of Environmental Annual Reports*).

- 8.2 Submit to the EPA, the Mining License from GGMC within **one (1) month** from the issuance of the finalised Permit.
- 8.3 Implement relevant measures/agreements to avoid conflicts with other land users/communities. Conflicts should be reported to the relevant authorities if they occur.
- 8.4 Notify the Agency of non-compliance with this Permit upon becoming aware of violation.
- 8.5 Monitor the implementation of the conditions of this Permit, insofar as they involve adherence by your employees and all third parties under your direction.
- 8.6 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.
- 8.7 Inform the Agency prior to or within **30 days** of any change of name or ownership of the operation.
- 8.8 Notify the Agency within **21 days** in event of death, bankruptcy, liquidation or receivership of the Permit Holder or if the Company becomes a party to an amalgamation.
- 8.9 Notify the EPA within **24 hours** of the occurrence of any environmental emergencies such as a sudden onset 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.
- 8.10 Report to the Agency of non-compliance with the Environmental Permit:
  - 8.10.1 Within **twenty-four (24) hours** of the time the Holder of the Operation Permit becomes aware of the non-compliance, the anticipated manner in which it may endanger human health or the environment.
  - 8.10.2 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.

## **9.0 INSTITUTIONAL AUTHORITY AND LIABILITIES**

- 9.1 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 (Authorisation) Regulations, 2000, respectively.
- 9.2 The EPA reserves the right to review/amend the conditions and permit fees attached to this Permit in consideration of any changes in fee structure as determined by the Agency for projects of this nature.
- 9.3 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 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.
- 9.4 The EPA shall have the right to cancel or suspend this Permit for breach of any of the terms and conditions contained herein.
- 9.5 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 to 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 authorization which are attributed to the Project. S. 19(1) EP Act, Cap. 20:05, Laws of Guyana.
- 9.6 The Permit Holder shall be guilty of any offence in accordance with s. 39(1), (2), (3), (4) of the EP Act, Cap. 20:05, which states respectively – "every person who causes material or serious environmental harm by polluting the environment intentionally or recklessly and with the knowledge that material and/or serious environmental harm will or might result is guilty of an offence and shall be liable to the penalties prescribed under the Act."
- 9.7 The Permit Holder shall compensate any Party who suffers any loss or damage as a result of the attributed project. (s. 19(3)(e)) EP Act Cap. 20:05, Laws of Guyana.
- 9.8 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, his Servants and/or Agents lack of due care and diligence.

- 9.9 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 EP Act Cap. 20:05.
- 9.10 Where it appears to the Agency (EPA) that the Permit Holder is engage 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 Order to immediately cease the offending activity. S. 27 EP Act, Cap. 20:05.
- 9.11 The Permit is effective for the period stipulated herein **February, 2020 to February, 2025.**
- 9.12 This Operation Permit shall remain valid until **February 28, 2025**, unless otherwise varied, cancelled, suspended or modified 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.
- 9.13 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 **July 31, 2024.**
- 9.14 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 day** for every day late, until such renewal application is submitted to the Agency, without prejudice to any other rights of the Permit Holder in connection therewith.
- 9.15 Failure to comply with the requirements of this Permit shall render the Permit Holder liable to prosecution and to penalties prescribed under the Environmental Protection Act, Cap. 20:05, the Environmental Protection (Amendment) Act, 2005, and the Environmental Protection (Authorisation) Regulations, 2000, respectively.






Signed by  on behalf of the Environmental Protection Agency.

**Kemraj Parsram**  
**Executive Director**

Date: 2024.10.17

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

<b>NAME:</b>	COLLIS D. BAVEGHEMS
<b>DESIGNATION:</b>	Permit Holder
<b>SIGNATURE:</b>	
<b>DATE:</b>	18-10-2024



