



**Environmental
Protection
Agency**

Ganges Street, Sophia
Georgetown, GUYANA
Tel.: (592)-225-5467-9
Fax: 225-5841
Email: epa@epaguyana.org
Website: www.epaguyana.org

Environmental 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.:	20151202-LSHSL
Fee:	Small (C1) – US\$ 500 (5 years), i.e., US\$ 100 per year
Fee Paid:	US\$ 500 (July, 2023 – June, 2028) – Five (5) Years
Addressee:	Mr. Lakeram Singh Harridat Proprietor L.S.H Mines 5, Unity Parika East Bank Essequibo.
Activity:	Storage of a Sand, Loam and Laterite

Mr. Lakeram Singh Harridat, 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 (Authorisations) Regulations, 2000, to store Sand, Loam and Laterite at Plantation Orangestein, East Bank Essequibo, hereinafter referred to as the “Project”, in the manner indicated in the Application for Renewal of Environmental Authorisation submitted on February 10, 2023, 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 applicable laws, best practices, guidelines and standards relevant to this project.

This is a Renewal of the Environmental Permit, Reference # 20151202-LSHSL, issued on September 19, 2018 and expired on June 30, 2023. This Operation Permit (Renewed) is issued pursuant to 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 Operation:

L.S.H.

1.0 OPERATION

1.1 Notify the Agency in writing and obtain its approval for **ANY** proposed changes in operation of the Storage Facility 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, including but not limited to the following:

- i. Change 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;
- iii. Any technology installed at the facility from which effluent may be discharged; and
- iv. Any other circumstance prescribed by Regulation 20(3) of the Environmental Protection (Authorisations) Regulations.

1.2 Ensure all stockpiling activities are conducted within the boundaries of Plot 'A' being a portion of the westernmost portion of Plantation Orangestien, situate on the East Bank of the Essequibo River.

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

1.4 Maintain good housekeeping, sanitary and hygienic practices, and the aesthetic quality of your surroundings at all times.

2.0 EMPLOYEES, OCCUPATIONAL HEALTH AND SAFETY

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

2.2 Employees shall at all times be well protected and 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. Tightly fitted safety goggles.

- 2.3 Prepare and maintain an employee log of distribution of Personal Protective Equipment.
- 2.4 Ensure all employees/third party contractors are aware of the Conditions of this Environmental Permit (Renewed) (**20151202-LSHSL**) and provide training on the requirements of the Permit and good environmental management practices.
- 2.5 Prepare and maintain a training file of all employees/Contractors of training completed. This list should be available upon Officers request during Compliance Inspection of the storage site.
- 2.6 Provide and install firefighting equipment such as fire extinguishers, sand buckets, at visible locations on site, in accordance with guidelines established by the Guyana Fire Service.
- 2.7 Ensure all firefighting equipment are maintained and serviced regularly and provide training on the use of the equipment

3.0 WATER QUALITY MANAGEMENT

- 3.1 Comply with the provisions of the **Environmental Protection (Water Quality) Regulations, 2000.**
- 3.2 Implement practical measures where applicable to prevent pollution of the nearby water way (Atlantic Ocean) found immediately north of storage site. This should include the establishment of siltation fences, sedimentation berms or other sediment control structures in erosion prone areas or areas where there is high probability of runoff from stockpiles.
- 3.3 Ensure that stockpiles of Sand, Loam and Laterite are stored away from the Atlantic Ocean.

4.0 ROADS

- 4.1 Ensure that all trucks transporting Sand, Loam or Laterite are covered with tarpaulin and does not exceed the established speed limit of the roads so as to minimise dust generation on the East Bank Essequibo Public Road or any other roadway.
- 4.2 Ensure that trucks are equipped with the necessary reflecting signage to warn the

public of impending danger of parked/moving trucks on the public thoroughfare.

- 4.3 Ensure that activities of the operation do not impede road traffic.

5.0 NOISE QUALITY MANAGEMENT

- 5.1 Comply with the **Environmental Protection (Noise Management) Regulation, 2000.**

- 5.2 Comply with *Guyana National Bureau of Standards (GNBS) Guidelines Noise Emissions into the Environment*, not exceeding the limits below at a distance of 15 meters (50 feet) from the source or property boundary, whichever is closer.

- Mixed Zone (Residential/Commercial)
Limits: **100 dB** [Daytime Limits (06:00 h-18:00 h)]
80 dB [Night-time Limits (18:00 h – 06:00h)]

- 5.3 Ensure all significant noise-producing equipment, e.g., generators etc. are equipped with appropriate silencers or mufflers and/or are enclosed in suitable acoustic enclosures where necessary to reduce noise levels impacting the surrounding environment to achieve compliance with GNBS requirement.
- 5.4 Best Available Technologies (BATs) shall be implemented at all time to prevent noise emission from the loading and offloading of Sand, Loam and Laterite onto the transportation vessels.
- 5.5 All sound-making equipment shall be placed on concrete foundations to ensure effective damping of vibrations.
- 5.6 Service and operate all mechanical equipment in accordance with manufacturer's specifications. All mechanical equipment, vehicles, should be regularly maintained and operated at their optimal levels to ensure efficiency and reduce the noise levels produced and emission into the atmosphere.

6.0 AIR QUALITY MANAGEMENT

- 6.1 Comply with the provisions of the **Environmental Protection (Air Quality) Regulations, 2000.**

- 6.2 Stockpiles shall be relatively flat on top, and shall not exceed a height of two (2) meters.
- 6.3 Cover stockpiles of sand and other dusty materials with tarpaulin or other suitable material, when not in use for extended periods, to prevent particles from becoming airborne.
- 6.4 Employ dust suppression methods such as watering, erecting dust screens/fences to control dust emissions from material stockpiles and other components that would generate dust.
- 6.5 Maintain an inventory of all sources of air contaminants e.g., Generators, Heavy duty equipment, trucks etc. on site. The Inventory should be submitted in the Project's Environmental annual report.

7.0 WASTE MANAGEMENT

- 7.1 Adhere to the provisions of the **Environmental Protection (Litter Enforcement) Regulations, 2013.**
- 7.2 Do **not** dispose waste in or near the waterways (Atlantic Ocean).
- 7.3 Dispose all solid waste into garbage bin(s). Garbage bin(s) shall be emptied, cleaned and maintained.
- 7.4 Burning is prohibited at all-time unless otherwise approved by the Environmental Protection Agency.
- 7.5 Maintain a septic system on site at all times. The septic tank should not be located within 1.5 m of a building or property boundary and should be accessible for cleaning and de-sludging. Any modification to the Septic tanks must be in accordance with the ***Guyana National Bureau of Standards (GNBS) Code of Practice for the Design and Construction of Septic Tanks and Associated Secondary Treatment and Disposal Systems.***

8.0 STORAGE OF HAZARDOUS MATERIALS (Fuel, Waste-oil, etc)

- 8.1 Adhere to the provisions of the **Environmental Protection (Hazardous Waste Management) Regulations, 2000.**
- 8.2 There shall be no release of any pollutants (i.e., fuel, waste oil, etc) to ground water or soil from permitted installation. Accidental release of pollutants to soil and

ground water should be recorded and be reported within twenty-four (24) hours to the Agency for further investigation.

- 8.3 In the event that fuel is stored onsite, ensure that the fuel containment bund has a 110 % percent containment capacity of the largest storage tank/container, which must have an impervious surface for the handling of all oils, lubricants and fuels.

9.0 COMPLIANCE MONITORING AND REPORTING

- 9.1 Comply with any directions given by the EPA from time-to-time in furtherance of the implementation of any international or other obligations for the environmental protection of Guyana.
- 9.2 Submit to the EPA, the **Environmental Annual Reports** on the status of the project, progress of the implementation of the monitoring activities and compliance with the conditions contained herein by **March 31** each year (Please see attached, the *Guidelines for the preparation of Environmental Annual Reports*).
- 9.3 Inform the Agency prior to or within **thirty (30) days** of any change of name or ownership of the operation.
- 9.4 Notify the Agency **within twenty-one (21) days** in event of death, bankruptcy, liquidation or receivership of the Permit Holder or if the Company becomes a party to an amalgamation.
- 9.5 Notify the EPA **within one (1) hour** 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.
- 9.6 Report to the Agency any non-compliances with the Environmental Permit (Renewed):
- 9.6.1 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.
 - 9.6.2 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.

9.6.3 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.

10.0 INSTITUTIONAL AUTHORITY/ LIABILITIES

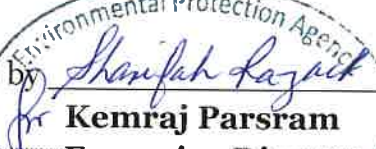
- 10.1 The EPA reserves the right to review and/or amend the conditions and fees attached to this Permit, which also includes the review and/or amendment of Permit Fees in consideration of any changes in fee structure as determined by the Agency for projects of this nature.
- 10.2 The EPA shall have the right to cancel or suspend this Permit for breach of any of the terms and conditions contained herein.
- 10.3 The Permit Holder, His Servants, Agents and/or Sub-Contractors 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.
- 10.4 This Environmental Permit (Renewed) is not the final consent; all relevant permission should be obtained from other regulatory bodies for continued operation.
- 10.5 The Permit Holder, his Servants and/or Agents 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 authorisation which are attributed to the Project. Section 19(1) and (2) of the Environmental Protection Act, Cap. 20:05, Laws of Guyana.
- 10.6 The Permit Holder, his Servants and/or Agents shall be guilty of any offence in accordance with Section 39(1), (2), (3), (4) of the Environmental Protection Act, Cap. 20:05, which states respectively that 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.

- 10.7 The Permit Holder shall be liable to any gross negligence or wilful misconduct caused by the Permit Holder, his Servants and/ or Agents, to the marine environment, biodiversity, protected species and natural habitat.
- 10.8 The Permit Holder shall compensate any Party who suffers any loss or damage as a result of the attributed project. (Section 19(3)(e)) of the Environmental Protection Act Cap. 20:05, Laws of Guyana.
- 10.9 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 Section 26 of the Environmental Protection Act Cap. 20:05, Laws of Guyana.
- 10.10 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 Agency may issue to the Permit Holder a Prohibition Notice, which may include an order to immediately cease the offending activity (See: Section 27 of the Environmental Protection Act, Cap. 20:05, Laws of Guyana).
- 10.11 This Environmental Permit (Renewed) is valid for the period stipulated herein **July, 2023 to June, 2028.**
- 10.12 This Environmental Permit (Renewed) shall remain valid until **June 30, 2028**, unless otherwise suspended or revoked 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 (Authorisations) Regulations, 2000.
- 10.13 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 **January 31, 2028.**
- 10.14 Any late submission of renewal application(s) after the specified date as stated above, the agency may require the Permit Holder to pay, in addition to the renewal fee, a late penalty fee (accruing at the time such obligation was first owed for renewal) at a rate of two thousand dollars (GY\$2,000.00) 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.

- 10.15 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 and its Regulations, including under any forthcoming regulations made under the said Act or any other applicable Laws of Guyana.

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

Date: 2023.07.21

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

NAME:	L.S. Hamidat
DESIGNATION:	owner
SIGNATURE:	L.S. Hamidat
DATE:	31-07-2023



