



Environmental Protection Agency

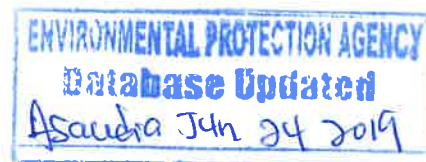
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Operation Permit (Renewed)

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.:	20030609 – FFM00
Fee:	Small (C1) – US \$500 (for 5 years) i.e. US\$100 per year
Fees Paid:	US\$500 (June, 2019 to May, 2024)

Addressee(s): Mr Fazal and Fazir Mohamed
Mohamed Trucking Service
85, Mon Repos,
East Coast Demerara



Activity: Storage and Stockpiling of Loam

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Mr Fazal and Fazir Mohamed, trading and operating under the name, Mohamed Trucking Service, 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 store and stockpile loam at Right Bank of the Dakara Creek, Left Bank Madewini River, Right Bank of the Demerara River, Western side Soesdyke/Linden Highway, hereinafter referred to as the "Project", in the manner indicated in the Application submitted on May 15, 2019, subject to the terms and conditions set forth herein and any existing or 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 Renewal of the Environmental Permit, Reference#20030609 – FFM00, issued on October 16, 2003, and expired on October 31, 2004, in accordance with the Environmental Protection (Authorisations) Regulations, 2000.

Terms and Conditions for the Operation to be adhered to by the Permit Holder:

1.0 GENERAL

- 1.1 Notify the Agency in writing and obtain its approval for **ANY** proposed changes in operation of the stockpiling of loam at least **fourteen (14) days**

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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. 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 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.
 - 1.3 Ensure proper signage and security measures are installed at the Project Site to keep unauthorised persons from accessing restricted and high-risk areas.
 - 1.4 Provide adequate fire protection measures at the Project Site, in accordance with guidelines established by the Guyana Fire Service.
 - 1.5 Ensure that adequate provisions are in place for ingress to and egress from the site. Secondary trails should be free of debris or any other potential hazards which can cause potential obstruction.
 - 1.6 Ensure that trucks and other equipment used on site (such as excavators) are equipped with the necessary reflecting signage to warn the public of impending danger of parked/moving trucks with sand on the public thoroughfare.
 - 1.7 Discharge loam safely through the use of appropriate equipment ensure loam does not free fall from loading trucks / excavators or sections of pit with heavy overburdens to the ground causing vibration and excessive damage to soils and on vegetation etc.
 - 1.8 Ensure proper signage and security measures to keep unauthorised persons from accessing restricted and high-risk areas.



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2.0 EMPLOYEES, OCCUPATIONAL HEALTH AND SAFETY

- 2.1 Provide employees with the necessary protective equipment to fit their job specification such as: hi-visibility vests, respirator, hard hats, gloves, and appropriate footwear and ensure appropriate utilisation of these gear. Prepare and maintain an employee log of distribution of Personal Protective Equipment.
- 2.2 Strictly ensure that no employee operates under unsafe conditions and prevent unstable mine faces so as to avoid the risks of collapse and subsidence of earth.
- 2.3 Provide well-equipped first aid kit at the work site and ensure that functional communication and transportation systems are in place to respond to emergencies.
- 2.4 Adhere to the requirements of the Occupational Health and Safety Act to ensure that employees' health and safety are protected.
- 2.5 Ensure all employees/third party contractors 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 Officers' request during Compliance Inspection.
- 2.6 Ensure that the prohibition of capture, trading and removal of wildlife be a term of employment for all third party contractors and employees.
- 2.7 Ensure proper signage and security measures to keep unauthorised persons from accessing restricted areas.

3.0 ROADS

- 3.1 Utilise only one access road/trail to the loam storage from the main access road.
- 3.2 Ensure that all measures such as grading and compacting of the access roads be carried out as necessary to maintain road.
- 3.3 Maintain the active road/trail so as to provide for good drainage and dust management. The running surface of the road should be crowned with a compacted layer and have good drainage on both sides to catch and direct water to local drainage system. In addition, the road should be wet as needed to meet ambient dust conditions.

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- 3.4 Ensure that adequate and appropriate **road signage** is installed with provisions for safe line of site along all access road.

4.0 VEGETATION CLEARING AND TOP SOIL STRIPPING

- 4.1 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.
- 4.2 Maintain at all times a 50m buffer zone between the loam storage and the road (loam trail in close proximity), to ensure the integrity of the environment is kept intact, and to also act as a noise buffer for the adjacent residential housing scheme.

5.0 BUFFER ZONES AND SITE ACCESS MANAGEMENT

- 5.1 Maintain demarcated boundary limits for the site claim. Ensure proper signage and security measures are in place to keep unauthorised persons from accessing restricted and high-risk areas.
- 5.2 Maintain a non-extractable, vegetated buffer zone at least **20 metres** wide between your sand and loam mine and other different contiguous land use existing around your operation.
- 5.3 Establish and maintain a vegetated buffer zone of **15 metres** wide from the centre line of the access road to the edge of the pit.
- 5.4 Ensure to re-contour mined-out areas within your concession to address the effects such as erosion, wildlife movement, landslide and Occupational Health and Safety hazards.

6.0 HAZARDOUS MATERIALS/WASTE MANAGEMENT

- 6.1 Adhere to the provisions of the Environmental Protection (Hazardous Waste Management) Regulations 2000.
- 6.2 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.
- 6.3 Waste oil generated on site should be stored in closed containers which

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should be labelled and disposed of in accordance with the Environmental Guidelines, 2011 for the 'Removal, Treatment and Disposal of Oily Sludge' (attached).

- 6.4 Refrain from draining fuel/lubricants including waste oils of any quantity from equipment onto the ground or into waterways.
- 6.5 Take the necessary precautionary measures during the transport and use of fuel and other chemicals/hazardous materials. In addition, implement a programme to ensure regular and preventative maintenance of machinery and equipment to prevent leaks and minimise air emissions and hydrocarbon releases.

7.0 WASTE MANAGEMENT

- 7.1 Adhere to the provisions of the Environmental Protection (Litter Enforcement) Regulations, 2013.
- 7.2 Maintain good sanitary and hygienic practices and the aesthetic quality of your surroundings at all times.
- 7.3 Promote proper solid waste management and disposal practices at your facility. Provide covered garbage receptacles at strategic locations, and ensure that all solid waste materials are appropriately stored until such time of disposal. Waste shall not be disposed of in or near the waterways. Further, adequately reuse, recycle and compost waste materials.
- 7.4 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.
- 7.5 The environs of the receptacles should be cleaned and maintained at all times, to prevent the fall or flow of garbage in the surrounding environment and/or attraction of rodents and other vermin.
- 7.6 Strictly prohibit all persons, both employees and general public, from disposing all garbage matter at mining site. Appropriate signage must be erected communicating such prohibition.
- 7.7 A Solid Waste Pit should be constructed at least **100 metres** away from waterways and above the water table.
 - 7.7.1 Storm water should be diverted from the waste pit. Pits should be maintained and covered on a regular basis to avoid fly and rodent

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infestations as well as mal-odour from leachate.


- 7.7.2 When the maximum capacity is reached, the solid waste pit should be covered with at least 0.3 metres of soil and a suitable site determined for another.
- 7.8 Construct and maintain a septic system on site at all times. The septic tank should be located 100 m away from waterways, 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 AIR QUALITY AND NOISE MANAGEMENT

- 8.1 Adhere to the provisions of the **Environmental Protection (Air Quality) Regulations 2000 and the Environmental Protection (Noise Management) Regulations, 2000**.
- 8.2 Comply with the *Guyana National Bureau of Standards (GNBS) Interim Guidelines for the Measurement 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 (06:00-18:00 h))

- 8.3 Employ all practical measures along primary, secondary roads (within the pit), and other areas to control and prevent fugitive dust impacts during operation. Dust suppression methods such as watering should be used in dry periods and as necessary.
- 8.4 Take all necessary precautions to reduce any instances of air emissions into the environment from the operation.
- 8.5 Reduce speed limit for hauling trucks. Further, all hauling trucks should be covered to prevent release of fugitive dust.
- 8.6 Continue to 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.


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9.0 COMPLIANCE MONITORING AND REPORTING

- 9.1 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.
- 9.2 Monitor the implementation of the conditions of this Permit, insofar as they involve adherence by your employees and all third parties under your direction.
- 9.3 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** every year (Please see attached, the *Guidelines for the preparation of Environmental Annual Reports*).
- 9.4 Inform the Agency prior to or within **30 days** of any change of name or ownership of the operation.
- 9.5 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.
- 9.6 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.
- 9.7 Report to the Agency of non-compliance with the Operation Permit (Renewed):
 - 9.7.1 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.
 - 9.7.2 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.
 - 9.7.3 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.

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- 9.8 Report all occurrences of illegal wildlife trapping and trading to the Guyana Wildlife Conservation and Management Commission and EPA. The Permit Holder shall discourage the targeting, hunting and use of wildlife by its staff.

10.0 INSTITUTIONAL AUTHORITY/LIABILITIES

- 10.1 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, Laws of Guyana, the Environmental Protection (Amendment) Act, 2005, and the Environmental Protection Regulations, 2000.
- 10.2 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.
- 10.3 The EPA shall have the right to cancel or suspend this Permit for breach of any of the terms and conditions contained herein.
- 10.4 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.
- 10.5 This Operation Permit (Renewed) is not the final consent; all relevant permissions should be obtained from other regulatory bodies for continued operation.
- 10.6 The Permit Holder shall be strictly liable for the adverse effect of any discharge or release into the environment, or for causing or permitting the entry of any pollutant or contaminant into the environment, in any amount, concentration or level in excess of that prescribed by the regulations or stipulated by this environmental authorisation or as are attributed to projects of this nature. This is in accordance with section 19(1), (2), and (3) of the Environmental Protection Act, Cap. 20:05.
- 10.7 The Permit Holder shall compensate any Party who suffers any loss or damage as a result of the attributed Project (s. 19 (3) (e) of the Environmental Protection Act, Cap. 20:05.

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- 10.8 The Permit Holder shall be responsible for the payment of all costs related to the assessment of damage and costs for the independent assessor (s).
- 10.9 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.
- 10.10 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 biodiversity, protected species and natural habitat.
- 10.11 If the Agency (EPA) is of the opinion that the Permit Holder is contravening, or is likely to contravene, any condition of this Permit, the Agency may serve on the Permit Holder an Enforcement Notice in accordance with s.26 of the Environmental Protection Act, Cap. 20:05.
- 10.12 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, the Agency may 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)
- 10.13 The Operation Permit (Renewed) is effective for the period stipulated herein **June, 2019 to May, 2024**.
- 10.14 This Operation Permit (Renewed) shall remain valid until **May 31, 2024**, 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, the Environmental Protection (Amendment) Act, 2005, and the Environmental Protection (Authorisation) Regulations, 2000.
- 10.15 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 **November 30, 2023**.
- 10.16 Any late submission of renewal application (s) after the specified date as stated above, shall 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 (\$2000.00) 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.

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10.17 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 any other applicable laws of Guyana.

Signed by  on behalf of the Environmental Protection Agency.

Vincent Adams
Executive Director

Date:

June 19, 2019

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 (Authorisation) Regulations, 2000, respectively and any existing or forthcoming regulations, best practices, guidelines and standards made under this Act.

NAME	<i>Fazal Mohamed</i>
DESIGNATION	<i>Owner</i>
SIGNATURE	<i>Fazal Mohamed</i>
DATE	<i>18-06-2019</i>

