Environmental Protection Agency

Ganges Street, Sophia,
Georgetown, GUYANA
Tel.: (592) 225-0506
Fax: (592) 225-5481
Email: epa@epaguyana.org
Website: http://www.epaguyana.org

Operation Permit

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

Reference No.:	**20201106- LWOWT**
Fee:	**Medium (C3) i.e. US$975 per year**
Fee Paid:	**US$4,875 for Five (5) years (April 2021- March 2026)**
Addressee:	**Lester Woolward, Company Secretary, Oilfield Waste Management Services Lot 24 Howes Street Charlestown Georgetown.**
Activity:	**Operation of a Waste Treatment Plant (with Fuel Storage)**

ENVIRONMENTAL PROTECTION AGENCY
Database Updated
20/05/21

Oilfield Waste Management Services, 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 Waste Treatment Plant at Block No: VIII, Plantation Little Diamond, East Bank Demerara, hereinafter referred to as the "Project", in a manner indicated in the Application for Environmental Authorisation submitted on November 06, 2020, and subject to the terms and conditions set forth herein under the Environmental Protection Act, Cap. 20:05, Laws of Guyana, any existing or forthcoming Regulations made under the said Act, and/or any applicable laws, guidelines, best practices and standards relevant to this project.

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

1.0 OPERATION

1.1 Notify the Agency in writing and obtain its approval for **ANY** proposed changes in the Operation of the Waste Treatment Plant **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 submitted to the EPA, 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, or layout of the facility and all associated buildings.

ii. Installation of new and/or changes to equipment, machine, apparatus, mechanism, system or technology serving the facility.

iii. Any technology used or installed at the facility from which effluent may be discharged.

iv. Any other circumstance or condition prescribed by Regulation 20(3) of the Environmental Protection (Authorisations) Regulations.

1.2 Operation, inspection, maintenance and repair of Thermal Desorption Plant, shall be in accordance with manufacturer's specification. A summarised copy of the inspection and maintenance report shall be submitted to the Agency as a component of the **Annual Report.**

1.3 Employees shall be equipped with Personal Protective Equipment relevant to the occupational tasks during operation. These Personal Protective Equipment may 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;
v. Tightly fitted safety goggles
vi. Chemical resistant coveralls/ overalls.

(Employees should at all times be well protected)

1.4 Emergency spill clean-up kits shall be maintained on site for response to spills. Kits must contain absorbent materials, drain seals and other appropriate tools for clean-up. Kits must be readily available and clearly identified at the Project.

1.5 A fully stocked first- aid kit shall be readily available and easily accessible at the Project.

1.6 Eye wash stations and emergency showers shall be installed and maintained at the Project **by June 30, 2021**.

1.7 Unauthorised access to the Project shall be prohibited, and signs shall be posted to inform of restrictions **by June 30, 2021**.

1.8 All employees involved in the management of hazardous waste and operation of the Project shall be trained on Hazard Communication and Emergency Preparedness Response. The annual training schedule shall be submitted to the Agency as part of the **Annual Report.**

L.W

1.9 Guyana Fire Service Approval shall be maintained annually and shall be submitted as a component of the **Annual Report.** The Project shall maintain fire prevention and control equipment in accordance with this approval.

2.0 TRANSPORTATION OF HAZARDOUS WASTE

2.1 A Transportation Plan/ Protocol for collection and transportation of hazardous waste to and from the Project shall be established and maintained.

2.2 The Transportation Plan shall be submitted to the EPA for review and approval by **June 30, 2021.**

2.3 A highly visible and legible label should be affixed to the vehicle transporting the waste and shall include the following information:

Danger
Contains Hazardous Material

2.4 **"No Smoking"** signs shall be posted on the vehicle.

2.5 All hazardous waste shall be stored in appropriately sealed and labelled metal containers appropriate for the waste stream during transport.

2.6 A trained operator or carrier shall supervise, monitor and control the collection and transportation of hazardous waste.

2.7 Emergency spill cleanup kits shall be maintained on the vehicle for response to potential spills. Kits should contain absorbent materials, drain seals and other appropriate tools for clean-up.

2.8 A register or manifest of the quantities of waste collected and transported shall be established and maintained. The registered information shall be submitted to the Agency as a component of **the Annual Report**.

2.9 An incident spill report shall document **EVERY** occurrence of spills during collection and/or transportation of hazardous waste. A copy of the spill report shall be submitted to the Agency **within twenty-four (24) hours of the incident**.

2.10 Clearly marked routes for vehicle movements shall be delineated at the Project. This route must be kept clear of waste material and free of obstacles, surface water drainage systems and equipment.

3.0 HAZARDOUS WASTE HANDLING AND STORAGE

3.1 A register of the types and quantities of hazardous waste accepted and stored onsite shall be established and maintained. The register must also record the source of waste generation for each waste type accepted. A summary of the registered information shall be submitted to the Agency as part of the **Annual Report.**

L.W

3.2 Hazardous waste shall be contained in bunded/ kerbed storage areas. This area shall be provided with the following:

i. Low traffic
ii. No floor drains
iii. Bunded area which shall provide 110% containment of the largest volume stored therein.

3.3 The Hazardous Waste Storage areas shall be clearly labeled, secured and well illuminated when not in use. The following warning signs shall be clearly posted:

i. "Hazardous Waste Storage Area"
ii. Danger- "Authorized Personnel Only"
iii. No Smoking
iv. No Eating or Drinking

3.4 Where applicable, hazardous waste storage areas shall possess ventilation in accordance with one of the following:

i. Gravity ventilation to the outside with a capacity of one cubic foot per minute per square foot or floor space
ii. Mechanical ventilation with on/ off switches at points of ingress that are capable of exhausting to the outside.
iii. Natural ventilation

3.5 Hazardous waste shall be stored away from ignition sources.

3.6 Hazardous waste shall be stored in containers appropriate for the waste stream. That is:

a) Sealed Plastic Containers
i. Water- based wastes
ii. Fountain Solutions, Pre- Press

b) Sealed Metal Containers
i. Solvents and Petroleum- based products
ii. Waste ink, Press-wash, Oil and Oily Absorbents

3.7 Hazardous waste containers shall be labelled with the following:

i. The words **"Hazardous Waste"**
ii. The type of waste
iii. Beginning accumulation date- Date when the container was first placed in the Hazardous Waste Storage Area. Should the hazardous waste container be reused, the date hazardous waste was first placed in the container shall be recorded on the container.

3.8 Waste oil containers shall be labelled with the following:

i. The words **"Waste Oil or "Used oil"**
ii. Beginning accumulation date

3.9 Hazardous waste shall not be stored in containers made of, or lined with materials with which it is incompatible so that the integrity of the container is not impaired or compromised.

3.10 Hazardous waste storage containers shall remain closed during storage, except when it is necessary to add or remove waste.

3.11 Hazardous waste storage containers shall be inspected weekly for signs of leakage, deterioration or corrosion and damaged containers **must be** replaced **immediately.** Inspection reports must be maintained and signed by the appropriately qualified inspecting officer and his/her supervisor.

3.12 Waste container inspection reports shall be summarised and submitted to the Agency as part of the **Annual Report.**

3.13 Standard Operating Procedures (SOPs) for safe transfer operations (from storage containers to the treatment plant), maintenance of containers and filling of storage containers shall be established and maintained. Copies of these SOPs shall be submitted to the Agency as a component of the **Annual Report.**

3.14 All employees shall be trained on these SOPs outlined in **condition 3.13**. An Annual training schedule shall be submitted to the Agency as a component of the **Annual Report.**

4.0 THERMAL DESORPTION HAZARDOUS WASTE TREATMENT AND POST- TREATMENT REQUIREMENTS

4.1 The Thermal Desorption Plant shall undergo a trial/verification test prior to commencement of Operations at the Project. The Agency shall be notified of the proposed date for this trial test.

4.2 The Thermal Desorption Plant shall only be used for the treatment of waste identified in the Waste Acceptance Criteria submitted to the Agency. These are

i. Used Drilling Fluids
ii. Drill Cutting
iii. Tank Bottoms

4.3 The following waste shall not be treated with the Unit:

i. Liquid wastes and inorganic contaminants
ii. Non- volatile metals
iii. Corrosives
iv. Inorganic Cyanides
v. Reactive oxidisers and reducers
vi. Wastes containing asbestos

vii. Compounds that decompose upon heating and release dangerous gases such as oxidizing, explosive or toxic gases
viii. Waste that may polymerise during the treatment process

4.4 The Project shall maintain a clearly defined acceptance and rejection criteria for waste treated by the thermal desorption process, including consideration of the following factors:

i. Concentration, boiling and flash point of volatile organic contaminants
ii. Water content, pH and physical characteristics of waste material
iii. Presence of inorganic contaminants, chlorinated compounds and odorous materials

4.5 Hazardous wastes accepted for treatment by the Project shall be profiled in accordance to the EPA approved Waste Profile Sheet. Hazardous waste generators profile sheet shall:

i. Be current and available for review upon request by the Agency.
ii. Contain the waste designation and the necessary information for how that designation was determined.

4.6 Representative samples of new waste streams and new waste generation sources shall be taken and analyzed in the laboratory to characterize the waste material and identify contaminants prior to treatment.

4.7 Sample size and numbers shall be large enough to adequately represent the range of waste characteristics and contaminants contained in the waste material.

4.8 All treatment cycles shall be operated in accordance with the optimum operating criteria for the treatment plant, specifically maximum and minimum temperature range, waste feed rate, residence time and air flow determined by the waste trial.

4.9 The Project shall establish and maintain a Waste Analysis Plan in accordance to the EPA requirements. This Plan shall include, but not be limited to:

i. All hazardous wastes accepted from off site for treatment or generated onsite, by a treatment process or other means, must receive a detailed physical and chemical analysis.

ii. At a minimum, the analysis must provide enough information to safely and effectively treat and store the waste onsite.

iii. Documented analysis procedures.

4.10 This Waste Analysis Plan shall be submitted for the EPA approval **by June 30, 2021**.

4.11 Automatic system alarms and/or trips shall be installed for relevant operating

L.W

parameters such as temperature, pressure, thermal oxidizer temperature, fan/ air flow temperature, waste feed and condenser failure.

4.12 The following records shall be maintained at the Project:

1. Waste treatment verification results
2. Operating logs
3. Shutdown events
4. Monitoring process parameters
5. Emission monitoring results
6. Failed batches and their re- treatment

4.13 The records outlined in condition 4.12 shall be submitted to the EPA as a component of the **Annual Report**.

4.14 All treated material shall be cooled prior to transfer from the contained system in order to prevent fugitive releases and to ensure the temperature of the material is safely below the auto- ignition temperature of any potential residual volatile contaminants.

4.15 Recaptured oil from the treatment process **shall remain** stored within the oil recovery tank prior to reuse. This oil shall only be reused in the Liquid Mud Plant process at an EPA Authorised Facility.

4.16 Records or Manifests of all recaptured oil collected or removed from the Project shall be maintained and submitted to **the EPA quarterly**.

4.17 Solid wastes generated from the treatment process **shall be** subjected to Toxicity Characteristic Leaching Procedures prior to reuse or disposal.

4.18 Solid wastes generated from the treatment process **shall only** be reused in the bitumen manufacturing process at an EPA Authorised Facility.

4.19 Records or Manifests of solid wastes collected or removed from the Project shall be maintained and submitted **to the EPA quarterly**.

4.20 Recovered water from the treatment process **shall only** be reused in the Thermal Desorption Plant. Discharge of recovered water into drains and surrounding water ways is **strictly prohibited.**

4.21 All hazardous waste collection, transportation, treatment, offsite shipment and disposal shall be documented on **Waste Manifest Forms** which must submitted to the **EPA quarterly.**

5.0 FUEL HANDLING AND STORAGE

5.1 Adopt and comply with the National Standard "Guidance for the Design, Construction, Modification, and Maintenance of Petrol Filling Stations" and any

forthcoming code of practice/guidelines pertaining to the operation of fuel storage.

5.2 An Operation and Maintenance Manual shall be developed and maintained. The Manual shall address all aspects of the on-going operation, including the required maintenance and inspection schedule, loss monitoring/ investigation procedures, emergency response and requirements for review of the Manual.

5.3 The Operation and Maintenance Manual shall be submitted to the EPA for review and approval **by July 31, 2021.**

5.4 A register of the types and quantities of fuel and associated hazardous materials stored onsite shall be established and maintained. A summary of the registered information shall be submitted to the Agency as a component of the **Annual Report**.

5.5 Fuel shall at all times be stored above-ground, in a cool, dry place and away from ignition sources. **'No Smoking'** signs shall be posted where fuel is handled or stored.

5.6 Protection measures such as painting and coating shall be maintained to minimise corrosion of the fuel tanks.

Secondary Containment

5.7 Secondary containment around fuel storage tanks shall provide containment sufficient to contain at least 110% of the contents of the largest storage tank.

5.8 Secondary containment around the fuel tanks shall be inspected monthly for cracks and breakage to ensure they are liquid tight to withstand hydrostatic pressure of any contained liquid when full. A summarised inspection report shall be submitted to the Agency as a component of the **Annual Report**.

5.9 Containment bunds shall remain sealed and all piping must enter or exit the bund over the wall. Bunds shall provide total containment, and no part of the tank infrastructure (e.g. dispenser, filing hoses and valves) shall protrude outside the bund.

Fuel Tank and Pipeline Maintenance

5.10 All fuel storage tanks shall be tested by competent persons to verify their integrity once every five years. All tests should be documented including a clear indication of the scope, type and results of the tests. The test methods and results shall be submitted to the Agency as a component of the **Annual Report.**

5.11 Visual inspections of the fuel tank shall be conducted in accordance with the specifications outlined below. These results shall be submitted to the Agency as part of the **Annual Report.**

i. Quarterly inspections internally by OWMS
ii. Formal External Inspection by a certified inspector quarterly

5.12 Maintenance and/ or repair of fittings, pipes and hoses shall be conducted in accordance to manufacturer's specifications. A summarised inspection report shall be compiled and submitted to the Agency as part of the **Annual Report**.

Overfill Protection & Leak Detection

5.13 Overfill protection shall be installed and maintained on all fuel tanks by **August 31, 2021.** This may include an automatic shut off device or an audible or visible overfill alarm.

5.14 The safe fill level shall be clearly identified on the gauge and set at 90% to prevent overfilling. In the event of overfilling, all discharges shall be released into the containment bund.

5.15 Dispensing equipment shall be designed with the Best Available Technology (BAT) to minimise spills e.g. suction, pressure or gravity systems.

Fuel Transfer

5.16 The Best Available Technology/ Technique (BAT) shall be employed to capture fuel lost during the unloading of fuel to storage tanks and refuelling of equipment.

5.17 Secondary containment, drip trays or other overflow and drip containment measures shall be installed and maintained at connection points or other possible overflow points.

5.18 A Standard Operating Procedure (SOP) for fuel transfer operations including a checklist of measures to follow during filling operations shall be established and maintained. A copy of this SOP shall be submitted to the EPA as a component of the **Annual Report**.

5.19 All employees shall be trained on the SOP outlined in **condition 5.18.** An Annual training schedule shall be submitted to the EPA as a component of the **Annual Report**.

6.0 WATER QUALITY

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

6.1 Point source discharge of effluent from the Project (Thermal Desorption Plant) into the surrounding environment is **Strictly Prohibited**.

6.2 Point source discharge of effluent from the secondary containment for fuel tanks into the surrounding environment is **Strictly Prohibited**.

6.3 Effluent from the secondary containment for the fuel storage facility shall be pumped into a holding area for treatment and disposed by an EPA Authorised Waste Disposal Facility. Records or manifests of collection and treatment of this effluent shall be maintained and submitted **to the EPA quarterly**.

6.4 Storm water discharge shall be directed away from the Project and hazardous waste storage areas.

6.5 Hazardous waste shall not be stored in an area where it could potentially enter any waterways as a result of heavy rainfall or high winds. All hazardous waste shall be stored at least **5m** away from any drains on site.

6.6 All equipment re-fuelling shall be conducted on an impervious base to prevent leakage into the soil and surrounding waterways.

7.0 AIR AND NOISE QUALITY MANAGEMENT

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

7.1 Noise emissions shall be monitored at the property boundary biannually to determine compliance with Guyana National Bureau of Standards (GNBS) *Guidelines for Noise Emissions into the Environment*, not exceeding the commercial limits listed below:

Commercial Limits: 80 dB (Day-time (06:00 h -18:00 h))
65 dB (Night- time (18:00 h - 06:00 h))

7.2 Measurement shall be done with a calibrated Type 2 Noise Meter, at least 3.5 metres from any reflecting surface and 1.5 above ground. Records of each monitoring exercise shall be maintained and results submitted to the Agency as a component of the project's **Annual Report.**

7.3 All machines and equipment including generators shall be serviced in accordance to manufacturer's specification to ensure efficiency and reduce the level of noise produced. A summarised maintenance report shall be submitted to the Agency as a component of the **Annual Report.**

7.4 Emissions from the Project stacks shall be in accordance **Table 2** below as stipulated in **condition 7.5.**

7.5 Ambient air quality monitoring shall be conducted and maintained during normal operations to assess the levels of the following air contaminants, in accordance to

L.W

the WHO Air Quality Guidelines 2005 and US EPA National Ambient Air Quality standards (NAAQs): carbon monoxide, nitrogen dioxide, sulphur dioxide and particulate matter and total suspended particles.

Table 2. – A list of Air pollutants, parameters and permissible levels for required assessment within a given period.

No.	Air Pollutant	Averaging Time	Maximum Permissible Level	Type of Monitoring	Frequency of Monitoring
1.	Carbon Monoxide	1 h	35ppm	Ambient	Quarterly
2.	Nitrogen Dioxide	1 h	200µg/m3	Ambient	Quarterly
3.	Sulphur Dioxide	24 h	20 µg/m3	Ambient	Quarterly
4.	$PM_{2.5}$	24	25 µg/m3	Ambient	Quarterly
5.	PM_{10}	24h	50µg/m3	Ambient	Quarterly
6.	Total Suspended Particles (TSP)	24h	20 µg/m3	Ambient	Quarterly

7.6 Ambient air quality monitoring shall be conducted quarterly at the boundary (ies) of the project for all pollutants listed in **Table 2.**

7.7 The results from the monitoring exercises inclusive of the GPS point (s) of each monitoring location shall be submitted **Thirty Days (30)** following the exercise and cumulatively as a component of the project's **Annual Report.**

7.8 The calibration reports and certificates shall be submitted to the Agency as a component of the project's **Annual Report.**

7.9 The Permit Holder shall immediately respond to any visible (opaque) emissions that exceeds six minutes.

8.0 WASTE MANAGEMENT

8.1 In accordance with the **Environmental Protection (Litter Enforcement) Regulations, 2013,** promote good sanitation and solid waste disposal practices on site. Covered garbage receptacles shall be placed upon impervious base at strategic locations, both within and outside facility.

8.2 Non-hazardous solid waste shall not be burnt on site. All solid waste shall be disposed at an approved Solid Waste Disposal Site, by an EPA Authorised Waste Disposal Company.

8.3 Good house-keeping, sanitary, and hygienic practices shall be maintained at all times. The facility's drains and surroundings shall be kept free of vegetation and litter.

8.4 Solid waste receptacles shall be secured when not in use.

8.5 Hazardous wastes including appliances, fluorescent lamps, pesticides, etc. shall not be disposed of in non-hazardous waste containers.

8.6 Waste collection areas shall be kept clean. Dry methods shall be used when cleaning around waste handling and disposal areas (e.g. sweeping, use of absorbents).

9.0 ENVIRONMENTAL EMERGENCY RESPONSE MANAGEMENT

9.1 The Project shall be equipped with the following:

i. An internal communications or alarm system capable of providing immediate emergency instruction to facility personnel.

ii. Portable fire extinguishers, fire control equipment (including special extinguishing equipment, such as that using foam, inert gas, or dry chemicals), spill control equipment, and decontamination equipment.

iii. Water at adequate volume and pressure to supply water hose streams, foam producing equipment, automatic sprinklers, or water spray systems.

9.2 Standard Operating Procedures (SOPS) shall be established for inspecting and maintaining safety and emergency equipment, security devices, and operating and structural equipment that are important to preventing, detecting, or responding to environmental or human health hazards.

9.3 All facility communications or alarm systems, fire protection equipment, spill control equipment, and decontamination equipment, must be tested and maintained as necessary to assure its proper operation in time of emergency.

9.4 Aisle space must be maintained at the Facility to allow the unobstructed movement of personnel, fire protection equipment, spill control equipment, and decontamination equipment to any area of facility operation in an emergency.

9.5 A Contingency Procedure/Plan shall be established and maintained for the Project. The Procedure shall include, but not be limited to:

i. Procedures to be followed in the event of Plant malfunction.

ii. The actions facility personnel must take to respond to fires, explosions, or any unplanned sudden or non-sudden release of hazardous waste or hazardous waste constituents to air, soil, or surface water at the facility.

iii. Systems for notification of national and local emergency response authorities

iv. The names and contact information of all persons qualified to act as emergency coordinators.

v. A list of all emergency equipment at the facility (such as fire extinguishing systems, spill control equipment, communications and alarm systems (internal and external), and decontamination equipment), where this equipment is required.

vi. An evacuation plan for facility personnel where there is a possibility that evacuation could be necessary. This plan must describe signal(s) to be used to begin evacuation, evacuation routes, and alternate evacuation routes (in cases where the primary routes could be blocked by releases of hazardous waste or fires).

9.6 All employees shall be trained on the Contingency Plan outlined in condition **9.5.**

10.0 COMPLIANCE MONITORING AND REPORTING

10.1 Notify the Environmental Protection Agency **within one (1) hour** of the occurrence of any environmental emergencies (e.g. oil spills, hazardous materials/wastes spill, sudden onset disaster, natural, technological or human-induced factors that cause or threaten to cause severe environmental damage as well as harm to human health or livelihood).

10.2 Make all employees, and third parties under your direction, aware of the conditions of the Environmental Authorisation and provide training on good environmental practices. Annual training schedule shall be submitted in the **Annual Report**.

10.3 Monitor the implementation of the conditions of this Permit, insofar as they involve adherence by your employees.

10.4 Notify the Agency in writing of any change of name or ownership of the Permit Holder's facility within **thirty (30) days** after the change occurs.

10.5 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.

10.6 Maintain and submit to the Agency records of the type, composition and quantity of contaminant released (i.e. any solid, liquid, gas, odour, sound, vibration, radiation, heat or combination of any of them).

10.7 Submit an **Annual Report** to the EPA on the progress of the operation and compliance with the conditions under which this Permit was granted on or before **March 31, each year.**

10.8 Report to the Agency any non-compliance(s) with the Operation Permit:

i. Within **twenty-four (24) hours** of the time the Holder of the Environmental Authorisation for Operation becomes aware of the non-compliance, the anticipated manner in which it may endanger human health or the environment.

ii. 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.

iii. 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.

10.9 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.

10.10 It is the responsibility of the Permit Holder to ensure the permitted activity and premises are secured and that all practicable steps necessary to prevent fires, explosions, leaks or suspected leaks and spills at the permitted premises are taken.

11.0 INSTITUTIONAL AUTHORITY/ LIABILITIES

11.1 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 Regulations, 2000.

11.2 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 schedule as determined by the Agency for projects of this nature.

11.3 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 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.

11.4 The EPA shall have the right to cancel or suspend this Permit for breach of any of the terms and conditions contained herein.

L.W

11.5 The Permit Holder, his Servants and/or Agents shall be strictly jointly and severally liable as follows:

a. For any activity that causes, or is likely to cause pollution of the environment, unless the person takes all reasonable and practicable measures to prevent or minimise any resulting adverse effect, in accordance with Section 19(1)(a) of the Environmental Protection Act, Cap. 20:05, Laws of Guyana.

b. For any activity which results in the discharge, release or entry into the environment of any contaminant in any amount, concentration or level in excess of that prescribed by the regulations or stipulated by this Permit, in accordance with Section 19(1)(b) of the Environmental Protection Act, Cap. 20:05 Laws of Guyana.

c. The discharge or release of contaminants, such as hydraulic fluids, lubricants, fuel, or other industrial fluids relative to the Project, which are not stipulated herein, or by Regulations under the Environmental Protection Act, are strictly prohibited. Any such discharge or release shall be a violation of Section 19(1)(b) of the Environmental Protection Act.

d. For the compensation of any Party who suffers any loss or damage as a result of the project. (s.19(3)(e)) Environmental Protection Act, Cap. 20:05, Laws of Guyana.

e. For any material or serious environmental harm caused by pollution of the environment, whether intentionally or recklessly, in accordance with section 39 (1), (2), (3) and (4) of the Environmental Protection Act, 20:05, Laws of Guyana.

f. Any gross negligence or wilful misconduct resulting in serious risk, or adverse effects to the marine environment, biodiversity, protected species and natural habitat with respect to any release or discharge, spill, contaminant fluids, oil, or lubricants from any facilities permitted under this project.

g. For the payment of all costs and expenses related to the assessment of damage and investigations required, as result of any pollution incidents attributable to the activity for which this Permit has been issued.

11.6 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's lack of due care and diligence.

11.7 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 Environmental Protection Act, Cap. 20:05, Laws of Guyana.

11.8 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, 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, Laws of Guyana.

11.9 This Operation Permit is effective for the period stipulated herein; **April 2021 to March, 2026.**

11.10 This Operation Permit shall remain valid until **March 31, 2026**, unless otherwise suspended, cancelled, modified or varied, in accordance with the provisions of this Permit or the Environmental Protection Act, Cap. 20:05, Laws of Guyana, Environmental Protection (Amendment) Act, 2005, and the Environmental Protection (Authorisations) Regulations, 2000.

11.11 This Permit must be renewed by submitting a completed Renewed Application Form for Environmental Authorisation (Operation Permit) to the Agency at least six months before this Permit expires, that is, no later than **September 30, 2025.**

11.12 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 (GY$2000.00) per 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.

11.13 Failure to comply with the requirements of this Permit or with applicable laws and regulations, whether existing or forthcoming, shall render the Permit Holder liable to prosecution and to penalties, inclusive of civil penalties, injunctive relief and imprisonment, as prescribed under the Environmental Protection Act, Cap. 20:05, Laws of Guyana, the Environmental Protection Regulations and other applicable.

Signed by Sharifah Razack on behalf of the Environmental Protection Agency.

Sig: **Ms. Sharifah Razack**
Executive Director (Ag.)

Date 2021.04.22

LW

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

NAME	LESTER WOOLWARD
DATE	23/04/2021
SIGNATURE	
DESIGNATION	DIRECTOR

L.W