



## Environmental Protection Agency

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# Environmental Permit (Varied)

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.:	20190620-MDADD
Fees:	Large C2 – i.e. USD \$2,500 per year
Total Fees:	US \$ 12,500 (April 2021 to March 2026)
Addressee:	Demerara Distillers Ltd Plantation Block A, Diamond, East Bank Demerara Guyana.
Activities:	Operation of the Demerara Distillers Limited Distillery (Manufacturing of Spirits)
Varied Activity	Construction of 2 Barrel Warehouse for Storage of Finished Products (Alcohol)



Demerara Distillers Ltd hereinafter referred to as the “Permit Holder”, is hereby authorised in accordance with the Environmental Protection (Amendment) Act, 2005, and the Environmental Protection (Authorisations) Regulations, 2000, to Operate a Distillery at Plantation Diamond, East Bank Demerara, hereinafter referred to as the “Project”, in a manner indicated in the Application for Environmental Authorisation and Application for Variance of Environmental Authorisation submitted on June 20, 2019, and April 26, 2022, respectively 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.

This is a Variance of Operation Permit, Reference No. 20190620-MDADD issued in April 2021 and expired in March 2026.

Terms and Conditions for Operation to be adhered to by Permit Holder, His Servants, Agents, and/or Sub-Contractor(s):

### 1.0 CONSTRUCTION

- 1.1 Land clearing and disturbance shall be limited to areas where immediate work is taking place.
- 1.2 Areas for construction material stockpiles and equipment shall be clearly identified. Stockpile areas shall be downwind to avoid materials being dispersed by wind to

sensitive areas. Loading and offloading activities shall, as far as possible, also be confined to this location.

- 1.3 Temporary stockpiles of construction materials, including excavated waste shall be stored in a secured, designated area, and protected from wind and watererosion.
- 1.4 Materials shall not be placed within **3m** of any canal, drain or river, providing the installment of a silt fence adequately designed and constructed to retain the stockpile.
- 1.5 Stockpiles shall not exceed two (2) meters in height.
  - 1.5.1 Temporary stockpiles shall not exceed **twenty-four (24) hours** before being removed, or transferred to the appropriate designated stockpile areas established by Condition 1.2.
  - 1.5.2 Install a silt fence **at least 3 meters** from the boundary of any canal, drain or river to prevent any possible contamination from construction material. The height of the silt fence shall be **no less than 3 meters**; the distance between fence posts shall **not exceed 1.2 meters (4 ft.)**, and fence posts shall be installed at a depth of **at least 0.6 meters (24 inches)**.
- 1.6 Material stockpiles, including dusty materials transported to, from and within the site shall be enclosed or covered to reduce airborne emissions. Where this is not practical owing to frequent usage, employ wet suppression methods such as watering or erect dust screens/fences to control emissions.
- 1.7 Where feasible, pre-mixed, 'ready-mixed' concrete shall be used to reduce dust emissions caused by on- site preparation.
- 1.8 All oils, lubricants and fuel shall be handled, managed (including refueling of equipment and machinery) and stored on impervious surfaces within secondary contained areas.
- 1.9 Implement measures for the removal of any contamination and or siltation of drains during construction.
- 1.10 All construction equipment and machinery shall be maintained in accordance to manufacturer's specification to avoid mechanical failures and abnormal noise pollution. Logs and records signed by the appropriate inspecting personnel shall be maintained and made available for inspection by the EPA upon request.
- 1.11 All cutting of wood and mixing of cement shall be conducted at least 15m from perimeter drains to minimise pollution.

## **2.0 GENERAL OPERATION**

- 2.1 Make an application to the Agency to vary this Permit in instances where it becomes necessary to:

- i. Change the construction, operation, structure, or layout of the facility and all associated buildings;
  - ii. Change equipment, machine, apparatus, mechanism, system or technology serving the facility;
  - iii. Change the position and design of any outlet at the point or points of discharge of effluents; or
  - iv. Effect any other change outlined in 20(3) of the Environmental Protection (Authorisations) Regulations.
- 2.2 A Health, Safety and Environmental (HS&E) Officer (or similarly designated Officer) shall oversee the implementation, monitoring and reporting of the conditions of this Permit. The Agency shall be notified **within 21 days** of any change in representative.
- 2.3 The Agency shall be provided with the name, qualifications and contact information for the HS&E Officer (or similarly designated Officer), and shall be notified of any change in the company's representative in accordance with **condition 2.2**.
- 2.4 Guyana Fire Service Approval shall be maintained annually and shall be submitted as a component of the project's **Annual Report**.
- 2.5 DDL shall maintain fire protection measures such as the placement of fighting equipment e.g. fire extinguishers and sand buckets, at visible location on site, in accordance with the guidelines established by the Guyana Fire Service.
- 2.6 All firefighting equipment shall be regularly maintained and/or serviced and training, on the use of all equipment, must be provided to all employees.
- 2.7 A reporting mechanism shall be developed and maintained to allow stakeholders to register their concerns regarding the operation of the Plants. A copy of the reporting mechanism shall be submitted to the Agency as a component of the project's **Annual Report**.
- 2.8 An Operation and Maintenance Schedule submitted on **April 30, 2021**, shall be maintained and made available upon request.
- 2.9 All exit routes and emergency doors **shall** be free from obstruction at **all times**.
- 2.10 Safety and hazardous zones within the facility's layout shall be color-coded in accordance with international best practices and standards. All signs shall be legible and shall provide directives and/or instructions that are easy to follow.
- 2.11 All pipes and valves shall be labeled with the contents and color-coded in keeping with safety procedures and pipes shall be marked with directional arrows depicting a directional flow.
- 2.12 Employees shall be equipped with Personal Protective Equipment (PPE) relevant to the occupational tasks. The following PPE shall meet the requirement of the U.S OSHA requirements and should 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. Non-snag outer clothing appropriate for the prevailing weather conditions and high-visibility clothing; and
- vi. Eye protections; tightly fitted safety goggles.

- 2.13 A well-equipped first aid kit shall be provided at work site, and all communication and transportation systems shall be in place to respond to emergencies.
- 2.14 Emergency eye-wash stations and showers shall be maintained where corrosive materials/chemicals are stored to enable immediate emergency response.
- 2.15 Unauthorised access to the facility shall be prohibited, and signs shall be posted to inform of restrictions.

### **3.0 OPERATION OF THE DISTILLERY**

- 3.1 Conduct scheduled inspections and maintenance of all tanks to detect and prevent leakages and overfilling. A summary of scheduled inspection shall be submitted in the **Annual Report**.
- 3.2 An overflow protection measures shall be maintained on all finished product tanks.
- 3.3 All electrical equipment shall be explosion-proof, and storage containers of flammable liquids and/or spirits shall be well vented in electrically classified hazardous areas.
- 3.4 Secondary containment (bund area) shall be maintained under the molasses storage tanks and shall possess the following characteristics:
- 3.4.1 The capacity shall be at least 110% of the volume of the largest storage container in which liquid materials are to be stored;
  - 3.4.2 The walls shall be constructed of earth, steel, concrete or solid masonry which should be sealed and impermeable;
  - 3.4.3 The liners/flooring constructed of asphalt or concrete and designed to withstand foreseeable loading conditions;
  - 3.4.4 Cracks and seams shall be sealed to prevent leakage.
- 3.5 All storage tanks shall be tested by competent persons to verify their integrity. All tests shall be documented including a clear indication of scope, type and results of tests. The results of tests shall be submitted to the EPA within the project's **Annual Report**.

#### 4.0 WATER QUALITY MANAGEMENT

- 4.1 Adhere to the provisions of the **Environmental Protection (Water Quality) Regulations, 2000.**
- 4.2 Direct Discharge of any effluent from the distillery into the environment is **strictly PROHIBITED.**
- 4.3 Spent wash (waste) generated from the Distillery shall be directed to the Biomethanisation Plant for treatment and subsequent discharge.
- 4.4 All storm-water drainage networks shall be maintained to handle the maximum precipitation of storm events. They must be kept free-flowing and free of debris and vegetation.
- 4.5 Discharge at point sources shall be in accordance with the Guyana National Bureau of Standards (GNBS) *Interim Guidelines for Industrial Effluent Discharge into the Environment*. The following allowable limits shall not be exceeded:

**Table 1:** Parameter and limits for water quality assessments at the point sources.

Parameter	Daily Maximum Concentration	Units	Sample Type	Frequency of Analysis
1. pH	5.0 – 9.0		Grab	Quarterly
2. Temperature	<40	°C	Grab	
3. Chemical Oxygen Demand (COD)	<250	mg/L	Grab	
4. Total Suspended Solids (TSS)	<500	mg/L	Grab	
5. Biological Oxygen Demand (BOD)	<500	mg/L	Grab	
6. Phenols	<0.5	mg/L	Grab	
7. Phosphorous (P)	<2	mg/L	Grab	
8. Ammonical Nitrogen (as NH <sub>3</sub> -N)	<10	mg/L	Grab	
9. Oil & Grease	<10	mg/L	Grab	
10. Total Petroleum Hydrocarbon (TPH)	<40	mg/L	Grab	

In accordance with the parameters in Table 1 of **condition 4.5**, grab samples of effluent shall be collected **quarterly** at the final discharge points located at the GPS points below:

- i. Discharge Point #1 (perimeter drain, northwest of distillery) – **21N 030368386 UTM 0742563**
  - ii. Discharge Point #2 (Boiler Room) – **21N 0368389 UTM 074249**
  - iii. Discharge Point # 3 (cooling towers) – **21N 0368386 UTM 074577**
- 4.6 **Annually**, samples shall be collected from containments below molasses holding tanks, **GPS 21N 0368549 UTM 0742537** for analysis of parameters (1 -6, 7 & 9).
- 4.7 Grab samples shall be taken at such time to be representative of the quality of the effluent discharged. The following information shall be recorded and submitted to the EPA in a **Quarterly Water Quality Monitoring Report** for each suite of sampling done in accordance with this Permit:
- i. The exact place, date and time of sampling;
  - ii. The person(s) who performed the sampling;
  - iii. The results of all the analyses;
  - iv. Copies of original laboratory analytical reports
- 4.8 The results from the analysis shall be submitted within **thirty (30) days** after the analysis was completed.
- 4.9 Sampling shall be conducted in accordance with the EPA-approved methodology.
- 4.10 The analysis of the samples shall be conducted by an accredited and certified laboratory.

## **5.0 HAZARDOUS MATERIALS MANAGEMENT**

- 5.1 The Hazardous Material Storage areas shall be clearly labeled, secured and well illuminated when not in use. The following warning signs shall be clearly posted:
- i. Danger- Chemical Storage Area “Authorized Personnel Only”
  - ii. Read and Follow all labelled directions posted in the projects area.
  - iii. No Smoking
  - iv. No Eating or Drinking
- 5.2 All flammable materials shall be stored away from ignition sources. ‘**No Smoking**’ signs shall be posted where these materials are handled and stored.
- 5.3 The secondary containment (bund area) shall be maintained to minimise the spread/ release of liquid material spillage occurring within the storage area. The secondary containment wall shall possess the following characteristics:
- i. Capacity of the secondary containment facility shall be equal to 110% of the greatest volume of liquid stored within the largest storage container;
  - ii. Walls of the secondary containment facility shall be constructed of earth, steel, concrete or solid masonry.

- iii. Cracks and seams shall be sealed to prevent leakage;
  - iv. Liners/flooring of secondary containment facility shall be constructed of asphalt or concrete and designed to withstand foreseeable loading conditions.
- 5.4 Hazardous materials shall be stored in accordance with the manufacturer's directions or Safety Data Sheet (SDS) instructions.
- 5.5 Safety Data Sheets for all hazardous materials shall be readily available and easily accessible at all times at the Facility.
- 5.6 Hazardous materials shall be stored away from non-hazardous materials.
- 5.7 All hazardous materials shall be stored according to the following compatibility:
- i. Acids separate from Caustics
  - ii. Acids separate from Bases
  - iii. Acids separate from Flammables
  - iv. Bases separate from Flammables,
  - v. Oxidizers separate from Compressed Flammable Gases
  - vi. Corrosives separate from Flammables
  - vii. Oxides separate from all other chemicals
  - viii. Organic reactives separate from inorganic reactives (metals)
  - ix. Any other stipulated standards for storage or segregation of chemicals.
- 5.8 Hazardous material containers shall be clearly labelled in accordance with the Globally Harmonized System of Classification and Labelling. The following must be evident:
- i. Signal Word
  - ii. GHS Symbols- (Hazard Pictograms)
  - iii. Manufacturer Information
  - iv. Precautionary Statements/ First Aid
  - v. Hazard Statements
  - vi. Product Name or Identifiers
- 5.9 Material storage containers shall be inspected weekly for signs of leakage 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.
- 5.10 Material Container Inspection reports shall be summarised and submitted to the Agency as part of the Company's **Annual Report**.
- 5.11 Hazardous materials stored in ton bags and totes shall:
- i. Be protected from UV rays;
  - ii. Be covered to prevent exposure to dirt, dust, and moisture; and
  - iii. Not hang over the side of pallets used for stacking.



5.12 Hazardous materials stored within drums shall:

- i. Be placed within banded storage to ensure any leaks or spills are immediately contained;
- ii. Be clearly marked with their contents, and any appropriate warning symbols;
- iii. Have scheduled inspections to detect rust, leaks or other damages; and
- iv. Remain covered to protect the integrity of all chemicals.

5.13 All containers that have held or shall hold hazardous materials shall be stored or sealed in a manner to prevent rainwater from getting into contact with the container contents.

5.14 Hazardous materials **shall not** be stored on damaged, or inadequately secured racking or damaged pallets.

5.15 Hazardous materials **shall not** be stored in passageways including forklift truck routes, other vehicle routes and pedestrian walkways on site.

5.16 Hazardous material 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.

5.17 Forklifts utilised to lift and transport packaged hazardous materials shall have rated capacity to support the full weight of packages.

5.18 Forklift tines used for lifting packaged dry chemicals shall be free of sharp edges and protrusions.

5.19 A register of the quantities of hazardous materials stored onsite shall be established and maintained. A summary of the registered information shall be submitted to the Agency as part of the Company's **Annual Report**.

5.20 All employees involved in the management of hazardous materials shall be trained on Hazardous Material Communication, Emergency Preparedness and Response. The annual training schedule shall be submitted to the Agency as part of the Company's **Annual Report**.

5.21 Approval for the use and management of toxic chemicals shall be obtained from the Pesticide and Toxic Chemical Control Board. A copy of the Approval shall be submitted to the Agency upon receipt.

5.22 The Permit Holder shall ensure that all vehicles transporting hazardous materials, including those operated and/or owned by third party contractor(s), satisfy the following minimum requirements:

- i. use of labels and placards indicating Signal Word – Hazard and/or Danger,



GHS Symbols (Hazard Pictograms);

- ii. operated by suitably certified personnel;
- iii. each vehicle must contain a copy of an Spill Prevention Control Countermeasures Plan (SPCCP) and spill kits including, but not limited to, absorbent materials, temporary containment materials as well as PPEs
- iv. A fully stocked first-aid kit.
- v. Fire prevention and control equipment
- vi. Emergency Contact Numbers

5.23 Standard Operating Procedures (SOPs) for safe transfer operations (from one container to the next), 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 Company's **Annual Report**.

5.24 All employees shall be trained on these SOPs outlined in **condition 5.23**. An Annual training schedule shall be submitted to the Agency as a component of the Company's **Annual Report**.

## **6.0 HAZARDOUS WASTES MANAGEMENT**

6.1 Adhere to the provisions of the **Environmental Protection (Hazardous Wastes Management) Regulations, 2000**.

6.2 Empty chemical/material containers or drums shall be managed as outlined below and are subjected to the Safety Data Sheets (SDSs) for each material:

6.2.1 Empty containers contaminated with hazardous material shall be destroyed prior to disposal at a landfill authorised by the EPA or reused, provided that the empty containers is not a hazard to human health or the environment

6.2.2 Empty containers may be reused to store the same hazardous material and/or waste.

6.2.3 Containers may be reused to store non-hazardous material and/or waste, if all hazardous waste residuals have been removed and the container thoroughly cleaned.

6.3 All hazardous waste containers shall be labelled with the following:

- i. The words "**Hazardous Waste**"
- ii. The type of waste
- iii. Beginning accumulation date- the date hazardous waste was first placed in the container shall be recorded on the container.
- iv. Date container was filled.

6.4 All hazardous waste shall be stored in a covered, bunded area. This area shall adhere to the following:

- i. Signage- "**Hazardous Waste Storage Area**"
- ii. Low traffic
- iii. No floor drains

iv. Secondary containment capable of containing 110% of the largest volume therein.

- 6.5 All obsolete and expired materials shall be returned to source for treatment and/or disposal.
- 6.6 All hazardous wastes shall be recorded, collected, treated, and disposed of by an EPA authorised hazardous waste disposal facility. All hazardous waste treatment and disposal shall be documented on a **Waste Manifest Form**, which must be submitted to the EPA as a component of the project's **Annual Report**.

## **7.0 AIR QUALITY AND NOISE MANAGEMENT**

- 7.1 Adhere to the provisions of the **Environmental Protection (Noise Management) Regulations, 2000** and the **Environmental Protection (Air Quality) Regulations, 2000**.
- 7.2 All significant noise-producing equipment shall be equipped with silencers or mufflers, and/or be enclosed in suitable acoustic enclosures where necessary; to reduce noise levels impacting the surrounding environment to achieve compliance with Guyana National Bureau of Standards (GNBS) requirement.
- 7.3 All machines and equipment shall be serviced in accordance with manufacturer's specification and specified operating hours to ensure efficiency and to reduce the level of noise produced.
- 7.4 Record, investigate and address complaints of excessive noise, dust, and vibrations reported by residents. A copy of the report and outcomes shall be submitted to the Agency as a component of the Company's **Annual Report**.
- 7.5 Implement and maintain **Best Available Technique (BAT)** to reduce particulate matter (PM) emissions into the environment especially from:
- 1.2.1 Raw material receiving and handling;
  - 1.2.2 Preliminary cleaning;
  - 1.2.3 Cleaning House;
  - 1.2.4 Packaging;
  - 1.2.5 Storage; and
  - 1.2.6 Bulk loading;
- 7.6 The **Best Available Technology (BAT)** shall be installed to treat emissions from the distillery's boilers prior to release into the environment by **October 31, 2022**.
- 7.7 DDL shall submit to the Agency for approval the specifications for the technology, referenced in **condition 7.5**, to be used to treat air emissions from the boilers by **August 31, 2022**.



- 7.8 Emissions from the boiler stacks shall be in accordance **Table 2** below as stipulated in **condition 7.9**.
- 7.9 Ambient air quality monitoring shall be conducted and maintained during normal operations to assess the levels of the following air contaminants, in accordance to 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/m <sup>3</sup>	Ambient	Quarterly
3.	Sulphur Dioxide	24 h	20 µg/m <sup>3</sup>	Ambient	Quarterly
4.	PM <sub>2.5</sub>	24	25 µg/m <sup>3</sup>	Ambient	Quarterly
5.	PM <sub>10</sub>	24h	50µg/m <sup>3</sup>	Ambient	Quarterly
6.	Total Suspended Particles (TSP)	24h	20 µg/m <sup>3</sup>	Ambient	Quarterly

- 7.10 Ambient air quality monitoring shall be conducted quarterly at the boundary (ies) of the project for all pollutants listed in **Table 2**.
- 7.11 An assessment of Air Pollutants shall be conducted annually as stipulated in **Table 2** at the Boiler location.
- 7.12 The Permit Holder shall immediately respond to any visible (opaque) emissions that exceeds six minutes.
- 7.13 The pollution episodes identified in accordance with **condition 7.17** shall be recorded and resolved immediately.
- 7.14 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**.
- 7.15 The calibration reports and certificates shall be submitted to the Agency as a component of the project's **Annual Report**.
- 7.16 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 industrial limits listed below,

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

- 7.17 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. Maintain records of each monitoring exercise and submit results to the Agency as a component of the project's **Annual Report**.
- 7.18 All current stacks height shall be maintained at a height of least two (2) meters above the tallest building in the surrounding area, so as to effectively disperse exhaust fumes into the atmosphere.
- 7.19 **All future stack installation shall be in accordance with the requirements below:**

Stack heights and configurations shall be determined using the Good Engineering Practice Stack Height ( $H_{GEP}$ ) Formula to avoid excessive ground-level concentrations of contaminants:

$$H_{GEP} = H + 1.5 L$$

$H_{GEP}$  = good engineering practice stack height, measured from the ground-level elevation at the base of the stack

H = height of nearby structure(s) measured from ground-level elevation at the base of the stack

L = lesser dimension, height (H) or projected width, of nearby structure(s)

Proposed stack height as determined by the  $H_{GEP}$  (inclusive of calculations and Google map image showing the buildings under consideration) shall be submitted to the EPA for approval.

## **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. Place covered garbage receptacles, each on an impervious base and at a strategic location, within and outside the storage facility.
- 8.2 Burning of waste is **strictly prohibited**.
- 8.3 Good housekeeping, 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 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).



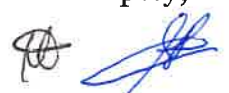


## **9.0 EMERGENCY MANAGEMENT**

- 9.1 Notify the Environmental Protection Agency within **one hour** of the occurrence of environmental emergencies (e.g oil spills, hazardous materials/wastes, and chemicals 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). Notification as prescribed by Section 19(3)(a) of the Environmental Protection Act, shall be submitted to the EPA within **twenty-four (24) hours** of the incident occurring.
- 9.2 The Company shall respond to all environmental and/or medical emergencies (e.g. fuel spills, fires, etc.) in accordance with the Environmental Response Plan (ERP) submitted to the EPA. This should include:
- i. The accident prevention procedures.
  - ii. First person response.
  - iii. Notification procedures.
  - iv. Location of clean-up equipment.
  - v. An analysis of potential accident and responses.
  - vi. Safety Data Sheets (SDS) for all materials handled or have the potential to spill.
- 9.3 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.
- 9.4 A fully stocked first- aid kit shall be readily available at the facility.
- 9.5 All employees shall be trained in emergency response procedures and protocols.
- 9.6 Workers shall receive training in firefighting protocols and in the use of firefighting equipment.

## **10.0 COMPLIANCE MONITORING AND REPORTING**

- 10.1 Notify the Environmental Protection Agency **within 24 hours** of the occurrence of any environmental emergencies (e.g. oil spills, hazardous materials/wastes, chemicals 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 Monitor the implementation of the conditions of this Permit, insofar as they involve adherence by your employees and all third parties under your direction.
- 10.3 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.
- 10.4 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.

- 10.5 Maintain and submit to the Agency records of the type, composition and quantity of contaminant released (i.e., any solid, liquid, gas, odor, sound, vibration, radiation, heat or combination of any of them).
- 10.6 Submit an **Annual Report** to the EPA on your compliance with this Environmental Permit on or before **March 31, each year**.
- 10.7 Report to the Agency any non-compliance(s) with the Environmental Permit:
- i. Within **twenty-four (24) hours** of the time the Holder of the Environmental Authorisation for Operation becomes aware of the non-compliance outlining the anticipated manner in which human health or the environment may be impacted.
  - ii. Within **seventy-two (72) hours** of the time the Holder of the Environmental Permit becomes aware of the non-compliance, submit to the Agency a written report containing a description of the non-compliance, its cause, the period of non-compliance including exact dates and time and the anticipated time it is expected to continue if the non-compliance(s) has not been corrected.
- 10.8 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.
- 10.9 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 Permit Holder shall be liable for any material environmental harm caused by polluting the environment, pursuant to s. 39 of the Environmental Protection Act, Cap. 20:05, Laws of Guyana.
- 11.2 The Permit Holder shall be liable for any serious environmental harm caused by polluting the environment, pursuant to s. 39 of the Environmental Protection Act, Cap. 20:05, Laws of Guyana.
- 11.3 The Permit Holder shall be liable for any activity that causes or is likely to cause pollution of the environment unless all reasonable and practicable measures are taken to prevent or minimize any resulting adverse effect, pursuant to s. 19 of the Environmental Protection Act, Cap. 20:05, Laws of Guyana.
- 11.4 The Permit Holder shall be liable for discharging, causing or permitting the entry into

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the environment, of any contaminant in any amount, concentration or level excess of that prescribed by the regulations or stipulated by this Environmental Permit, pursuant to s. 19 of the Environmental Protection Act, Cap. 20:05, Laws of Guyana.

- 11.5 The Permit Holder shall be liable to compensate any person who suffers any loss or damage as a result of contravening conditions 11.3 and 11.4 of this Environmental Permit, pursuant to s. 19 of the Environmental Protection Act, Cap. 20:05, Laws of Guyana.
- 11.6 The Permit Holder shall not be indemnified by the Agency for any activity that causes or is likely to cause pollution to the environment, resulting from adverse effects through the discharge, any contaminant in any amount, concentration, ultra-hazardous substances, chemicals or otherwise, and shall be rendered liable to prosecution and to penalties prescribed under the Environmental Protection Act and Regulations.
- 11.7 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 environment, biodiversity, protected species and natural habitat with respect to any release, discharge, or spill, of contaminant fluids, oil or lubricants.
- 11.8 Should the Permit Holder contravene or be likely to contravene any condition of this Permit, the Agency (EPA) may serve on him an Enforcement Notice in accordance with Section 26 of the Environmental Protection Act, Cap. 20:05, Laws of Guyana.
- 11.9 Where it appears to the Agency that the Permit Holder is engaged in any activity that may pose a serious threat to natural resources or the environment, or a risk of serious pollution of the environment or any damage to public health, the EPA may issue to the Permit Holder a Prohibition Notice, which may order him to immediately cease the offending activity, in accordance with Section 27 of the Environmental Protection Act, Cap. 20:05, Laws of Guyana.
- 11.10 The EPA reserves the right to conduct regular inspections of the Permit Holder's activities as part of its monitoring and enforcement requirements under the Environmental Protection Act, Cap 20:05, and the Environmental Protection (Amendment) Act, 2005, and Environmental Protection (Authorisations) Regulations, 2000.
- 11.11 The Permit Holder, His Servants and/or Agents 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 Section 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.
- 11.12 The EPA has the right to modify, cancel or suspend this Permit for breach of any of the terms and conditions contained herein.
- 11.13 **This Environmental Permit (Varied) is not the final consent; all relevant**



**Permissions should be obtained from other regulatory bodies for continued operation.**

- 11.14 This Environmental Permit (Varied) is effective for the period stipulated herein; **April 2021 to March 2026.**
- 11.15 This Environmental Permit (Varied) 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.
- 11.16 This Permit must be renewed by submitting a completed Renewal Application Form for Environmental Authorisation to the Agency at least six months before this Permit ~~expires, that is, no later than~~ **October 30, 2025.**
- 11.17 Any late submission of renewal application (s) after the specified date as stated above, 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\$2000.00) 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.
- 11.18 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 laws of Guyana.

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


Date 2022.07.13



**Environmental Permit (Varied) Ref. No. 20190620-MDADD**

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

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, Laws of Guyana, 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	SHARON SUE - HANG
DESIGNATION	DIRECTOR - TECHNICAL SERVICES
SIGNATURE	
DATE	2022-07-18



