




**Environmental
Protection
Agency**

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Environmental 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.:	20201112-DKBGD
Fee:	Medium (C1) i.e., US\$500 per year
Fee Paid:	US\$2,500 for Five (5) Years (November, 2021-October, 2026)
Addressee:	Messrs. Dennis and Kristofer Beepat Proprietors D&K Rental Lot 48 Bel Air Gardens Greater Georgetown 
Activity:	Operation of an Automobile Workshop and Fuel Storage Facility (Diesel and Gasoline)

D&K Rental, 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 Mechanic Workshop and Fuel Storage Facility (Diesel and Gasoline) at R1 H1 Dennis Street, Sophia, Greater Georgetown, hereinafter referred to as the "Project", in a manner indicated in the Application for Environmental Authorisation submitted on November 12, 2020, and subject to the terms and conditions set forth herein under the Environmental Protection Act, Cap. 20:05, existing and/or forthcoming regulations made under the said Act, and/or any other applicable laws, guidelines, best practices and standards relevant to this project.

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

1.0 OPERATION

- 1.1 Adhere to the requirements of the **Occupational Safety and Health Act, Cap. 99:01, Laws, of Guyana.**
- 1.2 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

- iii. 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.
- 1.3 **The Permit Holder is required to submit to the EPA upon receipt, and updated planning permission for the Project from the Central Housing and Planning Authority (CH&PA) to include the automobile workshop and the fuel storage operation, and all other requisite approval from the relevant Municipality or any other authority with jurisdiction and oversight over the Project.**
- 1.4 Obtain and maintain Guyana Fire Service approval and submit a copy to the EPA.
- 1.5 Fire prevention and control equipment shall be maintained in accordance with this Guyana Fire Service approval. This may include a smoke detection and alarm system, fire extinguishers, fire hydrants or sprinkler systems as appropriate.
- 1.6 Maintenance activities of equipment, tools and machineries including vehicles and the generator shall at all times be conducted on impervious bases.
- 1.7 The automobile workshop including the wash bay area shall be contained via ramps, berms by **January 31, 2022.**

Spray Painting

- 1.8 A spray booth or room constructed of non- flammable materials, such as steel, concrete or brick shall be established by **January 31, 2022.**
- 1.9 The spray booth/ room shall be ventilated with booth fans or other best Available Technology (BAT) to provide a continuous, uniform and evenly distributed supply of air flow throughout the spray-painting area to exhaust outlets.
- 1.10 Spray boot walls shall be smooth without edges to avoid the trapping of residue.
- 1.11 The Best Available Technology (BAT) shall be implemented to vent vapours from the spray booth so as to minimise the release of fugitive emissions to the environment.
- 1.12 Spray painting activities shall NOT be conducted outdoors. All spray-painting activities shall be conducted in the spray booth/room outlined in **condition 1.12.**
- 1.13 In the event that Dry Sanding is conducted at the Project, the following shall be implemented:
- i. Sanding shall only be conducted in designated areas to minimise the spread of waste.
 - ii. Dust shall be collected as sanding tasks are completed to prevent tracking

outside the designated area.

- iii. Avoid excessive sweeping to minimise dust emissions into the atmosphere.
- iv. Do not wash dust to the ground outside the workshop or into storm drains.

1.14 In the event that Wet Sanding is conducted at the Project, the following shall be implemented:

- i. Sanding shall only be conducted in designated areas to minimise the spread of waste.
- ii. Use a spray bottle to wet a small surface area and collect the waste in a drip pan.
- iii. Do not sweep or wash sanding dust to storm drains or areas outside the workshop.

2.0 STORAGE OF INDUSTRIAL CHEMICALS (Grease, Lube Oil, Coolant, Paint and all other chemicals used at the Project)

- 2.1 Liquid chemicals shall be stored in secondary containment (bunded) area. The secondary containment shall possess 110% of the volume of liquid stored within the largest storage container and walls shall be constructed of impermeable materials.
- 2.2 Chemical storage areas shall be clearly labeled with "Danger, Chemical Storage Area- Authorized Personnel Only" where applicable as a spill control measure.
- 2.3 Flammable chemicals shall be stored away from ignition sources. 'No Smoking' signs shall be posted where these materials including fuel are handled and stored.
- 2.4 Chemicals shall be segregated according to hazard characteristics compatibility e.g., flammable, corrosive, etc.
- 2.5 Chemicals shall be stored in accordance with the manufacturer's directions or Safety Data Sheet (SDS) instructions.
- 2.6 The SDS shall be available and easily accessible in automobile workshop by **January 31, 2022**.
- 2.7 A register of the quantities of chemicals and fuel stored at the Project shall be established and maintained. A summary of the registered information shall be submitted to the Agency upon request.
- 2.8 Where applicable, chemical storage areas shall have ventilation in accordance with at least one of the following:
 - i. Gravity ventilation to the outside with a capacity of one cubic foot per minute per square foot of floor space;
 - ii. Mechanical ventilation with on/ off switches at points of ingress that are capable of exhausting to the outside; or

iii. Natural ventilation.

- 2.9 Chemicals **shall not** be stored on damaged, or inadequately secured racking or on damaged pallets to minimise the risk of spills.
- 2.10 Chemical storage containers shall be inspected for signs of leakage. Deterioration or corrosion and damaged containers **shall be replaced immediately**. Inspection reports shall be maintained and signed by the appropriately qualified inspecting officer and his/her supervisor.
- 2.11 Chemical storage container inspection reports shall be summarised and submitted to the Agency as part of the **Annual Report**.

3.0 FUEL HANDLING AND STORAGE

- 3.1 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.
- 3.2 Fuel shall at all times be stored away from ignition sources.
- 3.3 Existing secondary containment around the fuel tank shall be inspected 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**.
- 3.4 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, filling hoses and valves) shall protrude outside the bund.
- 3.5 Secondary containment bund shall be constructed around the fuel dispenser by **January 31, 2022**.
- 3.6 All opening, cracks and damages found on the secondary containment bund shall be sealed by **February 25, 2022**.
- 3.7 Fuel storage tanks shall be visually inspected to verify their integrity. A summarised inspection report shall be compiled and submitted to the EPA as part of the **Annual Report**.
- 3.8 Protection measures for fuel storage tanks such as painting and coating shall be maintained to minimise corrosion of fuel tanks.
- 3.9 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**.



- 3.10 Underground fuel storage tank shall be situated in a secondary containment bund made of impervious material or shall be double-walled.
- 3.11 Cathodic protection (or equivalent rust protection) shall be maintained on the underground tank to minimise corrosion.
- 3.12 Underground fuel storage tank 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**.
- 3.13 Overfill protection shall be maintained on all fuel tanks. This may include an automatic shut off device or an audible or visible overfill alarm.
- 3.14 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.
- 3.15 Dispensing equipment shall be designed with the Best Available Technology (BAT) to minimise spills e.g., suction, pressure or gravity systems.

4.0 WATER QUALITY

- 4.1 Adhere to the provisions of the **Environmental Protection (Water Quality) Regulation, 2000**.
- 4.2 An oil-water separator shall be installed at the final discharge point located at the southern boundary (GPS Coordinate: 6°48'35.8"N 58°07'29.8"W) of the automobile workshop by **January 31, 2022**.
- 4.3 A sump with a pump for the discharge of effluent from within the containment of the fuel storage facility shall be installed by **January 31, 2022**. There shall be no release valve on the secondary containment.
- 4.4 Effluent contained in the sump mentioned in **Condition 4.2** shall be directed to the oil-water separator.
- 4.5 Effluent from the oil-water separator and the groundwater monitoring activity 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 should not be exceeded:

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Parameter	Maximum Concentration	Units
Oil and Grease	Total Petroleum Hydrocarbon (TPH) < 40	mg/L

The method of sampling the parameter above and its frequency shall be determined by the Permit Holder. Sampling shall be conducted at the final discharge point and analyzed by a certified laboratory, submit the results to the EPA as a component of the Annual Report.

- 4.6 A Plan for ground water monitoring detailing the methodology, frequency and equipment specifications shall be established and submitted to the EPA for approval by **January 31, 2022**.
- 4.7 Fuel/lubricants including waste oils shall not be drained from equipment onto the ground or into waterways.
- 4.8 Drainage systems shall be maintained to handle the probable maximum precipitation storm event.

5.0 NOISE MANAGEMENT

- 5.1 Adhere to the provisions of the **Environmental Protection (Noise Management) Regulations, 2000**.
- 5.2 Equip all significant noise-producing equipment, such as generators, with silencers or mufflers and/or enclose in suitable acoustic enclosures where necessary, to reduce noise levels impacting the surrounding environment.
- 5.3 Inspection, maintenance and repairs of all equipment or tools used at the Project, shall be conducted in accordance with Manufacturer's Specification. A summarised maintenance report shall be submitted as a component of the **Annual Report**.
- 5.4 Noise emissions shall be monitored at the Project's boundary 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))

Permit holder shall determine frequency of monitoring. Records of each monitoring exercise shall be maintained and results submitted to the Agency as a component of the Project's **Annual Report**.

6.0 WASTE MANAGEMENT

- 6.1 In accordance with the **Environmental Protection (Litter Enforcement) Regulation, 2013**, promote good sanitation and solid waste disposal practices on site; covered garbage receptacles shall be placed at strategic locations at the facility.
- 6.2 Waste materials shall not be burnt on site. All solid waste shall be disposed by an EPA Authorised Waste Disposal Company.
- 6.3 Good house-keeping, sanitary, and hygienic practices shall be maintained at all times. The facility surroundings shall be kept free of vegetation and litter.
- 6.4 Solid waste receptacles shall be secured when not in use.

7.0 HAZARDOUS WASTE (Waste oil, Oily rags, Paint and Chemical containers, etc.) MANAGEMENT

- 7.1 Drip containment measures such as drip pans shall be utilised to capture waste oil spills during maintenance activities.
- 7.2 Hazardous waste shall be stored in containers appropriate for the waste stream.
That is:

a) Sealed Plastic Containers

- i. Water- based wastes; and
- ii. Fountain Solutions, Pre- Press.

b) Sealed Metal Containers

- i. Solvents and Petroleum- based products; and
- ii. Waste ink, Press-wash, Oil and Oily Absorbents.

- 7.3 Hazardous waste containers shall be labelled with the following:
- i. The words **“Hazardous Waste”**;
 - ii. The type of waste; and
 - 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.
- 7.4 Waste oil containers shall be labelled with the following:
- i. The words **“Waste Oil or “Used oil”**; and
 - ii. Beginning accumulation date.
- 7.5 Hazardous waste shall be stored in a covered, bunded area. This area shall include the following:
- i. Signage- **“Hazardous Waste Storage Area”**;
 - ii. Low traffic;

- iii. No floor drains; and
- iv. Secondary containment capable of containing 110% of the largest volume therein.

7.6 Hazardous waste shall be treated and/ or disposed 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 **Annual Report**.

8.0 COMPLIANCE MONITORING AND REPORTING

8.1 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.

8.2 Monitor the implementation of the conditions of this Environmental Permit, insofar as they involve adherence by your employees and all third parties under your direction.

8.3 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 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 (Renewed) 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.

8.4 Submit an **Annual Report** to the EPA on your compliance with this on or before **March 31, each year**.

8.5 Notify the EPA within **twenty-four (24) hours** 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).

8.6 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.

8.7 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.

- 8.8 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).
- 8.9 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.

9.0 INSTITUTIONAL AUTHORITY/ LIABILITIES

- 9.1 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.
- 9.2 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.
- 9.3 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.
- 9.4 The Permit Holder shall be liable for discharging, causing or permitting the 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 Environmental Permit (Renewed), pursuant to s. 19 of the Environmental Protection Act, Cap. 20:05, Laws of Guyana.
- 9.5 The Permit Holder shall be liable to compensate any person who suffers any loss or damage as a result of contravening conditions 7.3 and 7.4 of this Environmental Permit (Renewed), pursuant to s. 19 of the Environmental Protection Act, Cap. 20:05, Laws of Guyana.
- 9.6 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.
- 9.7 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.

- 9.8 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.
- 9.9 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.
- 9.10 The EPA reserves the right to conduct regular inspections of the Permit Holder's construction 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.
- 9.11 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.
- 9.12 The EPA has the right to modify, cancel or suspend this Permit for breach of any of the terms and conditions contained herein.
- 9.13 **This Environmental Permit (Renewed) is not the final consent; all relevant Permissions should be obtained from other regulatory bodies for continued operation.**
- 9.14 This Environmental Permit is valid for the period stipulated herein **November, 2021 to October, 2026.**
- 9.15 This Environmental Permit (Renewed) shall remain valid until October 31, 2026, unless otherwise suspended or revoked in accordance with the provisions of this Permit or the Environmental Protection Act, Cap. 20:05, Laws of Guyana, the Environmental Protection (Amendment) Act, 2005, and the Environmental Protection (Authorisations) Regulations, 2000.
- 9.16 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 April 30, 2026.
- 9.17 Any submission of the application required by Condition 7.15 beyond the date

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specified therein, the agency may require the Permit Holder to pay, in addition to the application fee, a late penalty fee (accruing at the time such obligation was first owed for renewal) at a rate of two thousand dollars (GY\$2,000.00) per day for every business day late, until such application is submitted to the Agency, without prejudice to any other rights of the Permit Holder in connection therewith.

- 9.18 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 *Shamifah Razak* on behalf of the Environmental Protection Agency.

Kemraj Parsram
Executive Director

Date 2021-11-18

I hereby accept the above terms and conditions upon which this Environmental Permit is granted and agree to abide by the Environmental Protection Act, Cap. 20:05, 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	<i>Roger Thomas</i>
DATE	<i>2021 11 26</i>
SIGNATURE	<i>Roger Thomas</i>
DESIGNATION	<i>Chief security officer</i>

