



**Environmental
Protection
Agency**

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Operation Permit (Renewed and 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.:	20110816-RGFDO
Fee:	Small (C2) - US\$4000 (5 years), i.e. US\$800 per year
Fee paid:	US \$4000 (March 2019-February 2024)
Addressee(s)	Mr. Inderpaul Kunjbehari Proprietor Big Kiss Marine Gas Station 162, Parika East Bank Essequibo.
Activity:	Operation of a Fuel Station and Ice Factory

Mr. Inderpaul Kunjbehari, trading and operating as, Big Kiss Marine Fuel Station, hereinafter referred to as the "Permit Holder", is hereby authorised in accordance with the Environmental Protection Act, Cap. 20:05, Laws of Guyana, the Environmental Protection (Amendment) Act, 2005, and the Environmental Protection Regulations, 2000, to operate a Fuel Station and Ice Factory located at 127, Parika, East Bank Essequibo, hereinafter referred to as the "Project," in a manner indicated in the Application for Renewal and Variance of Operation Permit submitted on February 06, 2017 and May 10, 2017 respectively, and subject to the terms and conditions set forth herein and any existing or forthcoming regulations made under the said Environmental Protection Act and/or any other applicable laws , best practices, guidelines and standards relevant to this project.

This is a Renewal and Variance of the Operation Permit Reference No. 20110816-RGFDO, issued on March 19, 2012, which expired on February 28, 2017. This Operation Permit (Renewed and Varied) is issued pursuant to the Environmental Protection (Authorisations) Regulations, 2000.

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

1.0. GENERAL

- 1.1 Notify the Agency in writing and obtain its approval for **ANY** proposed changes

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to the operation **at least 14 days prior** to making the change. The notification shall contain a description of the proposed change in operation. **It is not necessary to make such a notification if an application to vary this permit has been made and the application contains a description of the proposed change.** In this condition 'change in operation' means a change in the nature or functioning, or an extension, or any additional installation, which may have consequences for the environment, including but not limited to the following:

- Changes in construction, structure, or layout of the facility, plant or building;
- Installation of new and/or changes to equipment, machine, apparatus, mechanism, system or technology serving the facility or operation; or
- Any technology used or installed at the facility from which effluent may be discharged.

- 1.2 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 service stations.
- 1.3 Maintain a sump below the fuel dispensers to capture any spillage that may occur.
- 1.4 Ensure that pipe entries under the pump sumps are sealed to prevent fuel leakage into ground and surface water.
- 1.5 Route pipelines from tanks to offset filling points, dispensing equipment and vent pipes below the ground surface. Pipelines should not be located under buildings. Ensure free access to the pipeline system for easy maintenance.
- 1.6 Maintain leak detection mechanisms. At least two (2) of the following measures should be taken:
 - i. Overflow alarms on tanks;
 - ii. Gauging system;
 - iii. Dipstick measurements;
 - iv. Sensors on walls of tanks or;
 - v. Electric shut down buttons.
- 1.7 Maintain an impervious secondary containment bund that should have the capacity to provide at least 110% containment around the fuel storage tank, creating a temporary holding area in the event of accidental spillage.
- 1.8 Maintain double skinned/walled underground fuel storage tanks. Tanks should be on an impermeable base made of concrete.
- 1.9 Ensure that corrosion control measures are in place to prevent the corrosion of steel tanks and pipe work.

- 1.10 Take necessary precautions to avoid erosion, siltation and sedimentation of drains and canals.

Ice Factory

- 1.11 At all times operate the ice factory in a manner that will cause minimal adverse impact on public health and the environment.
- 1.12 Ensure the ice factory is of adequate size to provide proper separation and inspection of the materials and to permit adequate maintenance, maximum utilisation of space, easy access to stored perishables, and an environment that minimises the deterioration of the perishables.
- 1.13 Maintain the exposed internal surface of the Facility which must be constructed with materials that are impervious and free from depressions, pits, cracks, and crevices; easily cleaned and sanitised; resistant to corrosive substances and fracture; durable and capable of withstanding low temperatures; and high moisture.
- 1.14 Maintain the floor which must be built with proper insulation and ventilation underground in order to prevent gradual build up of ice which has potential to distort the floor and hence wreck the building over time.
- 1.15 Ensure ceilings and overhead fixtures are positioned in such a way to minimise the build-up of dirt and the shedding of particles.
- 1.16 Ensure racks, shelves or similar supports are made of corrosion resistant smooth and easily cleaned non-absorbent materials.
- 1.17 Ensure that all doors are fitted with a rubber or similar seal to prevent the escape of cold air or the entry of warm air when the door is closed; and keep the seal clean and disinfected.
- 1.18 Equip the ice factory with a thermometer accurate to $\pm 1^{\circ}\text{C}$ to indicate/record the temperature in the warmest part of the room and located so that it is easily readable. Also lighting in the cold store must be of a sufficient intensity and quality to enable satisfactory performance of all operations.
- 1.19 Ensure that the water within the footbath has a sanitiser and is changed every day. Household bleach can be used based on the label specified on the container.

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2.0. WATER QUALITY

- 2.1 Comply with and adhere to the provisions of the **Environmental Protection (Water Quality) Regulations 2000**.
- 2.2 Maintain an oil-water separator on site, through which all effluent must pass before final discharge.
- 2.3 Not discharge waste water effluent directly into receiving waters without prior treatment. Discharges from the oil water separator into the environment should be in accordance with the Guyana National Bureau of Standards (GNBS) *Interim Guidelines for Industrial Effluent Discharge into the Environment*. The following are the allowable limits for a Service Station and must not be exceeded:
 - pH 5.0-9.0;
 - Temperature < 40 °C;
 - Total Suspended Solid (TSS) < 100 mg/L;
 - Oil and Grease < 10 mg/L; and
 - Total Dissolved Solid (TDS) < 40 mg/L.
- 2.4 Monitor the parameters listed in condition 2.3 on an **Annual** basis at the point of discharge and submit the results to the Agency as a component of the annual report required in condition 7.7.
- 2.5 Maintain an interceptor drain, which must be adequately sloped to collect storm flow.
- 2.6 Ensure that drains are cleared of debris on a regular basis to promote free flow of water.

3.0. AIR QUALITY AND NOISE MANAGEMENT

- 3.1. Comply with and adhere to the provisions of the Environmental Protection (Air Quality) Regulations 2000 and the Environmental Protection (Noise Management) Regulations, 2000
- 3.2. Comply with the *Guyana National Bureau of Standards (GNBS) Guidelines for Noise Emissions into the Environment*, not exceeding the residential limits at a distance of 15 metres (50 ft) from the source or property boundary, whichever is closer.

Commercial limits: **80 dB** [Day-time (06:00 h -18:00 h)]
 65 dB [Night-time (18:00 h - 06:00 h)]

- 3.3 Ensure that all significant noise-producing equipment, e.g. generators, etc. are equipped with appropriate silencers or mufflers and/or are enclosed in suitable enclosures (e.g. hollow concrete blocks, insulation boards, solid clay bricks) where necessary, to reduce noise levels impacting the surrounding environment, to achieve compliance with *Guyana National Bureau of Standards* (GNBS) requirement.
- 3.4 Ensure all noise-making equipment is maintained in accordance with manufacture's specifications.
- 3.5 Ensure that the exhaust stacks of the generator are at a height of at least two (2) meters above the tallest building in the surrounding area, so as to effectively disperse exhaust fumes into the atmosphere.
- 3.6 Ensure that all equipment and machinery are placed on foundations properly designed to ensure effective damping of vibrations.
- 3.7 Ensure all Refrigerant gases comply with the specification stipulated by the Guyana National Bureau of Standard use and Handling of Refrigerants and the Ministry of Agriculture, Hydromet Unit.
- 3.8 Ensure all Refrigerants are handled and transported in accordance to good industrial hygiene and safety practice. When handling, HCDCs wear Personal Protective Equipment, do not eat or drink, store cylinders in an upright position.
- 3.9 Ensure that all Refrigerants used by the operation were legally imported and authorised for use by the Ministry of Agriculture Hydromet Unit.

4.0. WASTE MANAGEMENT

- 4.1. Comply with or adhere to the provisions of the **Environmental Protection (Litter Enforcement) Regulation 2013**.
- 4.2. Promote good sanitation and solid waste disposal practices on site. Covered garbage receptacles must be placed at strategic locations at the facility. Wastes must be collected and disposed of at an approved waste disposal facility.
- 4.3. Promote waste minimisation and the reuse and/or recycling of waste materials and other suitable materials where practical.
- 4.4. Maintain a septic system on site at all times. The septic tank should not be located within 1.5 m of a building or property boundary and should be accessible for cleaning and de-sludging. Any modification to the Septic tanks must be in accordance with the *Guyana National Bureau of Standards (GNBS) Code of Practice for the Design and Construction of Septic Tanks and Associated Secondary Treatment and Disposal Systems*.

5.0. HAZARDOUS MATERIALS MANAGEMENT

- 5.1 Comply and adhere to the provisions of the **Environmental Protection (Hazardous Wastes Management) Regulations 2000**.
- 5.2 Establish and maintain a register of hazardous materials or chemicals used or generated by your operation.
- 5.3 Prepare and submit to the Agency no later than **forty-five (45) days** after the end of the operating year, a report relating to the activities for the previous year. The report shall include:
- i. The identification information of the facility.
 - ii. Type and quantities of hazardous waste generated.
 - iii. Data concerning off-site shipments of waste.
 - iv. Any applied treatment standards.
 - v. A summary of any accidents that may have occurred and any action taken.
 - vi. Any waste minimisation efforts undertaken by the generator.
 - vii. A pollution prevention plan for the facility.
 - viii. Any other matter the Agency may require.

The Agency considers all materials listed in **Schedules I and II** of the **Environmental Protection (Hazardous Wastes Management) Regulations, 2000**, to be hazardous. Please see attached list of Hazardous Wastes to be controlled.

- 5.4 Store waste oil, and any other hazardous waste on site, in covered containers and in a bunded area to minimise adverse impacts to the environment in the event of spillage. The bunded area must be able to provide containment for the maximum volume of waste oil on site until ready for disposal in a manner approved by the EPA.
- 5.5 Ensure that oil/fuel containment absorbent materials are appropriately stored and disposed of in a manner approved by the EPA.
- 5.6 Store all fuel away from ignition sources and have 'No Smoking' signs posted where fuel is handled or stored.
- 5.7 Store any contaminated fuel in closed leak-proof containers and label slop tanks 'waste fuel'.
- 5.8 Store all fuel waste above ground level to allow easy maintenance and leak detection.
- 5.9 Avoid soil and water contamination from fuel, grease, waste oils and other petroleum products.

- 5.10 Store all oils, fuel, paints and chemicals in a designated area, 10 m away from watercourses on an impervious base to minimise adverse impacts to the environment in the event of spillage.
- 5.11 Store fuel in a cool, dry place, away from any motor driven machine that can cause sparks.
- 5.12 Ensure environmentally-sound guidelines are followed when cleaning and disposing of oily waste.
- 5.13 Label, store and submit the method of disposal of waste oil to the Agency for approval.

6.0 ENVIRONMENTAL EMERGENCY

- 6.1 Maintain approval from the Guyana Fire Service and adequate fire protection and safety measures such as fire extinguishers and sand buckets in accordance with this approval.
- 6.2 Ensure all firefighting equipment are maintained and serviced regularly.
- 6.3 Treat and contain spills of even a minor nature with absorbent materials.
- 6.4 Maintain a supply of oil-absorbent materials such as absorbent pads, sand, etc., at the site for the clean-up of spills.
- 6.5 Ensure that appropriate clean-up equipment such as spill trays, oil spill clean-up recover pump, oil spill dispersant spray system or sorbent pads are readily accessible during refueling exercises.

7.0 COMPLIANCE MONITORING AND REPORTING

- 7.1 Notify the Agency within **24 hours** of the occurrence of any environmental emergencies (e.g. oil spills, accidental discharge of hazardous materials/wastes, chemicals, etc.).
- 7.2 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.
- 7.3 Make all employees, and third parties under your direction, aware of the conditions of the Permit and provide training on good environmental practices.
- 7.4 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.

- 7.5 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).
- 7.6 Report to the Agency of non-compliance with the Operation Permit (Renewed and Varied):
- i. Within **twenty-four (24) hours** of the time the Holder of the Operation Permit (Renewed) becomes aware of the non-compliance, the anticipated manner in which it may endanger human health or the environment.
 - 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.
- 7.7 Submit **Annual Reports** to the Agency on the progress of the operation and compliance with the conditions under which this Permit was granted on or before **March 31** of each year. Please see attached Guidelines for the Preparation of Environmental Annual Reports.
- 7.8 Comply with any lawful directions given by the Agency from time-to-time in furtherance of the implementation of any international or other obligation for the environmental protection of Guyana.

8.0 INSTITUTIONAL RESPONSIBILITIES/LIABILITIES

- 8.1 The EPA reserves the right to conduct regular inspections of the Permit Holder's operation as part of its monitoring and enforcement requirements under the Environmental Protection Act, Cap. 20:05, Laws of Guyana, the Environmental Protection (Amendment) Act, 2005, and the Environmental Protection (Authorisations) Regulations, 2000.
- 8.2 The EPA reserves the right to review and/or amend the conditions and fees attached to this Permit, which also includes the review and/or amendment of Permit Fees in consideration of any changes in fee structure as determined by the Agency for projects of this nature.
- 8.3 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.37 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.

- 8.4 The EPA shall have the right to cancel or suspend this Permit for breach of any of the terms and conditions contained herein.
- 8.5 The Permit Holder shall compensate any Party who suffers any loss or damage as a result of the attributed project. (s. 19(3)(e)) EP Act Cap. 20:05.
- 8.6 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.
- 8.7 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 or discharge, spill, contaminant fluids, oil or lubricants from the fuel storage.
- 8.8 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 EP Act Cap. 20:05.
- 8.9 Where it appears to the Agency (EPA) that the Permit Holder is engaged in any activity that may pose serious threat to natural resources or serious pollution of the Environment or any damage to public health, the (EPA) shall issue to the Permit Holder a Prohibition Notice Order to immediately cease the offending activity. S. 27 EP Act, Cap. 20:05.
- 8.10 Failure to comply with the requirements of this Permit shall render the Permit Holder liable to prosecution and to penalties prescribed under the Environmental Protection Act, Cap. 20:05, Laws of Guyana, the Environmental (Amendment) Act, 2005, and the Environmental (Authorisations) Regulations, 2000, including civil penalties and injunctive relief.
- 8.11 The Permit Holder is obligated to ensure that the Gas Station is permitted by all other relevant authorities.
- 8.12 This Operation Permit (Renewed) is effective for the period stipulated herein; **March, 2019 to February, 2024.**
- 8.13 This **Operation Permit (Renewed)** shall remain valid until **February 29, 2024**, unless otherwise suspended, cancelled, modified, or varied in accordance with the provisions of this Permit or the Environmental Protection Act, Cap 20:05, Laws of Guyana, Environmental Protection (Amendment) Act, 2005, and the Environmental Protection (Authorisations) Regulations, 2000.
- 8.13 This **Operation Permit** must be renewed by submitting a completed *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, 2023.**

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8.15 Any late submission of renewal application(s) after the specified date as stated above, shall 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 (\$2,000.00) per day** for every day late, until such renewal application is submitted to the Agency, without prejudice to any other rights of the Permit Holder in connection therewith.

Signed by _____ on behalf of the Environmental Protection Agency.



Date

04/04/2019

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

NAME	Dhanmattie Kunbehari
DATE	2019/04/01
SIGNATURE	Kunbehari