



**Environmental
Protection
Agency**

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Operational Permit

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

Reference No :	20170719 - NLCWG
Fee :	Small (C2) - US\$ 875 (5 years), i.e. US\$175 per year
Fees Paid:	US\$875 (January, 2018 to December, 2023)
Addressee:	Mr. Nandeshwar Loknath 2, Spingland Corriverton Berbice.
Activity:	Operation of a Gas Station

Mr. Nandeshwar Loknath, hereinafter referred to as the “Permit Holder” is hereby authorized in accordance with the Environmental Protection Act 1996, the Environmental Protection (Amendment) Act 2005 and the Environmental Protection Regulations 2000 to operate a Gas Station located 22-23, Area ‘B’, Springland, Corriverton, Berbice, hereinafter referred to as the “Project” in a manner indicated in the application submitted on July 19, 2017 and subject to the terms and conditions set forth herein and any forthcoming regulations and standards relevant to this project.

Terms and Conditions for Construction and Operation:

The “Permit Holder” shall:

1. INFRASTRUCTURE

- 1.1 Notify the Agency in writing of any proposed changes 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. Changes to operation may include but not limited to the following:

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- 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 At all times operate the Gas Station in a manner that will cause minimal adverse impact on Public Health and the environment.
- 1.3 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.
- 1.4 Not undertake any modifications to the facility, which include the Gas Station without the written approval of the EPA.
- 1.5 Install a fuel dispenser on each fuel dispensing unit to minimise spills.
- 1.6 Maintain a sump below the fuel dispensers to capture any spillage that may occur.
- 1.7 Ensure that pipe entries under the pump sumps are sealed to prevent fuel leakage into ground and surface water.
- 1.8 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.
- 1.9 Construct and maintain an impervious secondary containment wall that should have the capacity to provide at least 110% containment around each fuel storage tank, creating a temporary holding area in the event of accidental spillage.
- 1.10 Store all fuel away from ignition sources and have 'No Smoking' signs posted where fuel is handled or stored.
- 1.11 Ensure that corrosion control measures are in place to prevent the corrosion of underground steel tanks and pipe work.
- 1.12 Construct and maintain an interceptor drain, which must be adequately sloped to collect storm flow.
- 1.13 Utilize silt traps and or other appropriate measures in the perimeter drainage system to ensure erosion and sedimentation control.
- 1.14 Provide adequate fire protection measures in accordance with the requirements of the Guyana Fire Service.

2. CONSTRUCTION:

- 2.1. Ensure that appropriate measures are in place to minimize the impacts of air borne emissions from vehicles offloading and/or loading building materials.
- 2.2. Remove all construction tools, equipment, machinery, and waste material from site on the completion of construction works.
- 2.3. Avoid any road traffic hazards or unnecessary inconveniences to the general public through appropriate planning and management at the construction site.
- 2.4. Identify suitable areas for materials stockpile and equipment. Ensure that no materials are stockpiled on road reserve.

3.0 WATER QUALITY

- 3.1 Maintain the Integrity of the existing waterways at all times. Discharges 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 Gas Station and should not be exceeded:
 - pH 5.0-9.0,
 - Temperature < 40 °C;
 - Biological Oxygen Demand (BOD₅) < 50 mg/L;
 - Chemical Oxygen Demand (COD) < 250 mg/L;
 - Total Suspended Solid (TSS) < 100 mg/L;
 - Oil and Grease < 20 mg/L; and
 - Total Dissolved Solid (TDS) < 40 mg/L.
- 3.2 Conduct a baseline sampling and analysis of the above parameters at the final point of discharge of waste water from the facility.
- 3.3 Not discharge waste water effluent directly into receiving waters without prior treatment. An oil/water separator should be in place at a strategic location in the area through which all effluent must pass before final discharge. Recovered oil must be stored and disposed of in an environmentally acceptable manner.

4.0 NOISE ABATEMENT

- 4.1 Comply with the Guyana National Bureau of Standards (GNBS) *Guidelines for Noise Emissions into the Environment*. Sound levels from noise-making devices should not exceed the limits below, at a distance of 15 metres (50 ft) from the source or property boundary, whichever is closer.

Commercial Limits: **80 dB** during the daytime (06:00 h - 18:00 h)
 65 B during the night-time (18:00 h - 06:00 h)

- 4.2 Ensure that sound-making devices such as generators are suitably enclosed and constructed with materials of good insulation properties (e.g. hollow concrete blocks, insulation boards, solid clay bricks, etc.) and are equipped with silencers or mufflers to reduce the noise level.
- 4.3 Ensure that the exhaust stacks of the generator (s) are at least 2 metres above the tallest building nearby, to minimise adverse fumes/soot impacts to the contiguous areas.

5.0 HAZARDOUS WASTE / MATERIALS MANAGEMENT

- 5.1 Comply with the provisions of the Environmental Protection (Hazardous Wastes Management) Regulations, 2000.
- 5.2 Ensure that oil/fuel containment absorbent materials are appropriately stored in slop tanks.
- 5.3 Store used oil in a covered, 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 used oil stored on site.
- 5.4 Ensure all pumps and dispensers are inspected regularly for leak detection.
- 5.5 Label, store and dispose of or reuse oil and batteries in an environmentally acceptable manner.
- 5.6 Ensure that oil/fuel containment adsorbent materials are appropriately stored and disposed of in a manner approved by the Agency.

6.0 WASTE MANAGEMENT

- 6.1 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.
- 6.2 Promote waste minimisation and the reuse and/or recycling of waste material and other suitable materials when practical.
- 6.3 Establish a well maintained septic tank system on site. Septic tanks must be installed and fitted with a sand and charcoal filter bed or an acceptable treatment design technology in accordance with the Guyana National Bureau of Standards Code of Practice for Design and Construction of Septic Tanks and Associated Secondary Treatment and Disposal Systems.

7.0 COMPLIANCE MONITORING AND REPORTING

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- 7.1 Notify the Environmental Protection 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:
 - I. Within twenty-four (24) hours of the time the Holder of the Operation Permit becomes aware of the non-compliance, the anticipated manner in which it may endanger human health or the environment.
 - 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 EPA 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 EPA from time-to-time in furtherance of the implementation of any international or other obligation for the environmental protection of Guyana.
- 7.9 Compensate any affected party for any loss or damage to the environment that arises from the implementation of this project.
- 7.10 Obtain approval from the Guyana Fire Service and provide fire protection measures such as fire extinguishers and sand buckets in accordance with this approval.
- 7.11 Ensure all firefighting equipment are maintained and serviced regularly.

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8.0 INSTITUTIONAL AUTHORITY/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, the Environmental Protection (Amendment) Act, 2005, and the Environmental Protection Regulations, 2000.
- 8.2 The EPA reserves the right to review / amend the conditions attached to this Permit.
- 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.
- 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 be strictly liable for any loss or damage to the environment through any act caused intentionally or recklessly, through the adverse effect of any discharge or release, or cause to permit the entry of pollution, contaminant in any amount, concentration or level in excess of that prescribed by the regulations or stipulated by any environmental authorization which are attributed to the Project. S. 19(1) EP Act, Cap. 20:05.
- 8.6 The Permit Holder shall compensate any Party who suffers any loss or damage as a result of the attributed project. (Part V, s. 19(3)(e)) EP Act Cap. 20:05.
- 8.7 The Permit Holder shall be responsible for the payment of all costs related to the assessment of damage and costs for the independent assessor (s).
- 8.8 The Agency (EPA) shall notify the Permit Holder immediately of any written claim or notice sent by any Complainant seeking loss or damage for negligence as a result of the Permit Holder lack of due care and diligence.
- 8.9 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, the Environmental Protection (Amendment) Act, 2005, and the Environmental Protection Regulations, 2000.
- 8.10 The Permit Holder is obligated to ensure that the Gas Station is permitted by other relevant authorities.
- 8.11 The Permit is effective for the period stipulated herein **(January, 2018 to December, 2023)**.

This Operational Permit shall remain valid until **December 31, 2023**, 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 Regulations,

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- 8.12 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 **June 30, 2023**.

Signed by Kemraj Parsram on behalf of the Environmental Protection Agency

Kemraj Parsram
Executive Director (Ag.)

Date 23.1.2018

I hereby accept the above terms and conditions upon which this Environmental Permit is granted and agree to abide by the Environmental Protection Act 1996, the Environmental Protection (Amendment) Act 2005 and the Environmental Protection Regulations, 2000 and any forthcoming regulations and standards made under this Act.

NAME	Nandeshwar Loknath
DESIGNATION	OWNER
DATE	2018-03-06
SIGNATURE	Nandeshwar Loknath

