



**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 Regulations, 2000)

Reference No.:	20220912-NSCOF
Fee:	Small C1 – US \$100 per year
Fees Paid:	US\$100 for one (1) year – June 2023 to May 2024

Addressee: Mr. Nyron Sookram,
Lot F & E Vlissengen Road
Georgetown,
Guyana.

Activity: Construction and Operation of Water Well.

Mr. Nyron Sookram, hereinafter referred to as the “Permit Holder”, is hereby authorized 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 Water Well located at 447 Silverhill Soesdyke Linden Highway, hereinafter referred to as the “Project”, in a manner indicated in the Application submitted on September 12, 2022, and subject to the terms and conditions set forth herein under the Environmental Protection Act, existing or forthcoming regulations made under the said Act and/or any other applicable Laws of Guyana, best practices, guidelines and standards relevant to this project.

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

1.0 General Construction and Operation

- 1.1 Notify the Agency in writing of any proposed changes in the construction and operation of the Well at least fourteen (14) days before making the change. The notification shall contain a description of the proposed change in construction. 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 construction’ includes but is not limited to, any change in

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the nature or functioning, or an extension, of the installation, which may have consequences for the environment.

- 1.2 Adhere to requirements of the **Occupational Health and Safety Act, Cap 99:10, Laws of Guyana.**
- 1.3 Employ or designate an employee to the role of an **Occupational Health and Safety (OHS)/Environmental Officer** to be responsible for the implementation and coordination of all safety requirements and terms and conditions stipulated in this Permit, as well as compliance monitoring with the preparation of all required reports.
- 1.4 Make all employees, and third parties under your direction, aware of the conditions of the Environmental Authorisation and provide training on good environmental practices.
- 1.5 Obtain and maintain approval from the Guyana Fire Service and provide fire protection measures in accordance with this approval.
- 1.6 Take all necessary precautions to prevent contamination of any aquifer and the exchange of waters between aquifers.
- 1.7 Inspect the well cap regularly for damaged, cracked or dislocated casings and make repairs as soon as issues are detected to prevent insects and other organisms from contaminating the well.
- 1.8 Ensure that pumps, piping and equipment are thoroughly disinfected before going back into the well and the well should be shock chlorinated after any repairs/modifications.
- 1.9 Ensure that Well surging is adequately done before Well use.
- 1.10 Ensure that employees are equipped with appropriate protective gear at all times during construction activities. These include protective headgear, respirators, safety vests, safety boots, etc.

2.0 Water Quality Management

- 2.1 Comply with and adhere to the provisions of the **Environmental Protection (Water Quality) Regulations, 2000.**
- 2.2 Monitor ground water levels and changes. Modify extraction rates as necessary to prevent unacceptable adverse current and future impacts, considering future increases in demand.
- 2.3 Monitor the groundwater well for heavy metals, pH, Total Dissolved Solids (TDS), Nitrates once every five years and for bacteria on a bi-annual basis and ensure that

the following parameters are in accordance with the World Health Organisation (WHO) Drinking Water Quality Standards (1993), Guidelines for potable water, not exceeding the limits shown in the following table:

Parameters	WHO Standards (1993)
Heavy metals	mg/L
Iron	0.3
Copper	2.0
Lead	0.01
Zinc	3.0
Manganese	0.4
Parameters to be tested	
pH	(6.0 - 8.5) pH units
Nitrates	50
Total Dissolved Solids (TDS)	500
Microbiological Parameters	WHO Standards (1993)
Tested twice yearly	
<i>E. coli</i>	0 count/100ml
Total coliform	0 count/100ml

- 2.4 Submit the data required in condition 2.3 to the Agency as a component of the **Environmental Annual Report required.**

3.0 NOISE ABATEMENT AND AIR QUALITY MANAGEMENT

- 3.1 Strictly comply with the Environmental Protection (Air Quality) Regulations, 2000 and the Environmental Protection (Noise Management) Regulations 2000.
- 3.2 Monitor noise emissions to determine compliance with the Guyana National Bureau of Standards (GNBS) Guidelines for Noise Emissions into the Environment. Sound levels from noise-making devices shall not exceed the limits below, at a distance of 15 metres (50 ft) from the source or property boundary, whichever is closer.
- (i) Construction Limits: 90 dB during the daytime (06:00 h - 18:00 h)
 - (ii) dB during the night-time (18:00 h - 06:00 h)
- 3.3 Cover materials susceptible to wind erosion e.g., sand at all times during storage and transport (to and from the construction site) to prevent material loss and reduce emission of particulate matter into the environment.

4.0 COMPLIANCE MONITORING AND REPORTING

- 4.1 Strictly 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.
- 4.2 Monitor the implementation of the conditions of this Environmental Permit (Renewed), insofar as they involve adherence by employees and all third parties under your direction.
- 4.3 Report to the Agency any non-compliance(s) with this Environmental Permit (Renewed):
- (i) Within **twenty-four (24) hours** of the time the Holder of this Environmental Permit (Renewed) becomes aware of the non-compliance, with the anticipated manner in which it may endanger 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.
- 4.4 Submit an **Environmental Annual Report** to the EPA on your compliance with this Environmental Permit (Renewed) on or before **March 31, each year**.

- 4.5 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).
- 4.6 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.
- 4.7 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.
- 4.8 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.

5.0 INSTITUTIONAL AUTHORITY/LIABILITIES

- 5.1 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.**
- 5.2 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.**
- 5.3 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.**
- 5.4 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 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.**
- 5.5 The Permit Holder shall be liable to compensate any person who suffers any loss or damage as a result of contravening conditions 6.3 and 6.4 of this Environmental Permit (Renewed), pursuant to **s. 19 of the Environmental Protection Act, Cap. 20:05, Laws of Guyana.**

- 5.6 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.
- 5.7 The Permit Holder shall be liable of any gross negligence or wilful 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.
- 5.8 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**.
- 5.9 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**.
- 5.10 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, the **Environmental Protection (Amendment) Act, 2005**, and **Environmental Protection (Authorisations) Regulations, 2000**.
- 5.11 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.
- 5.12 The EPA has the right to modify, cancel or suspend this Permit for breach of any of the terms and conditions contained herein.
- 5.13 **This Environmental Permit is not the final consent; all relevant Permissions shall be obtained from other regulatory bodies before commencing construction activities.**

- 5.14 This Environmental Permit is effective for the period stipulated herein, **June 2023 to May 2024**. This Environmental Permit (Renewed) shall remain valid until **May 31, 2024**, unless otherwise suspended, cancelled, modified or varied, in accordance with the **Environmental Protection Act, Cap. 20:05, Laws of Guyana, Environmental Protection (Amendment) Act, 2005**, and the **Environmental Protection (Authorisations) Regulations, 2000**.
- 5.15 This Environmental Permit (Renewed) shall be renewed by submitting "an Application for Renewal of Environmental Authorisation to the Agency at least six (6) months before this Permit expires, that is, no later than **November 30, 2023**."
- 5.16 Any late submission of renewal application(s) after the specified date as stated above, may require the Permit Holder to pay, in addition to renewal fees, 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.
- 5.17 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.


Date

21. 6. 2023



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

I hereby accept the above Terms and Conditions upon which this Environmental 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, the Environmental Protection (Authorisations) Regulations, 2000, and any forthcoming regulations, best practices, guidelines and standards made under this Act.

NAME:	Nyron Sookram
SIGNATURE:	
DESIGNATION:	Research Assistant
DATE:	21-06-2023