



**Environmental
Protection
Agency**

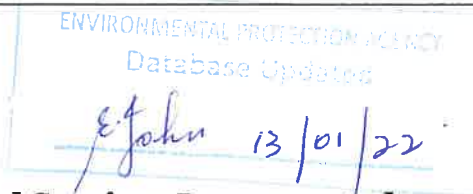
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Environmental Permit

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.:	20210914-GCGSW
Fee:	Large (C3) – US\$2,500 per year
Fees Paid:	US\$12,500 - Five (5) years – December 2021 to November 2026

Addressee(s): Mr Komal Singh
Director
GAICO Construction and General Services Incorporated
Lot 225, New Market Street, North Cummingsburg
Georgetown, Guyana.



Activity: Construction and Operation of a Laydown Yard and Wharf

GAICO Construction and General Services Incorporated, 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 (Authorisations) Regulations, 2000, for the construction and operation of a Laydown Yard and Wharf, located at Tract 'KS' being Plantations Nismes and Toevlugt situated on the West Bank of Demerara, hereinafter referred to as the "Project", in a manner indicated in the Application dated September 10, 2021, 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 applicable laws, best practices, guidelines and standards relevant to this project.

Terms and Conditions to be adhered to by the Permit Holder, his Servants, Agents and Sub-Contractors:

1.0 GENERAL

- 1.1 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;

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- 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.
- 1.2 Adhere to the requirements of the **Occupational Safety and Health Act, Cap. 99:01, Laws, of Guyana.**
- 1.2.1 Provide employees with the necessary protective equipment to fit their job specification.
- 1.3 **The Permit Holder is required to submit to the EPA upon receipt, approved planning permission from the Central Housing and Planning Authority (CH&PA) and No-Objection from the La Grande Neighbourhood Democratic Council (NDC).**
- 1.4 Removal of Mangroves is strictly prohibited. If there is need to remove Mangroves, permission **shall** be sought from the EPA and other relevant Agencies where applicable, prior to removal.
- 1.5 Construction and operation of activities at the project site shall be in accordance with Maritime; Sea and River Defence and Drainage & Irrigation, Laws of Guyana, and any applicable guidelines.
- 1.6 Identify suitable areas for material stockpile and equipment during construction and operation.
- 1.7 If dredging is required during construction and operation, disposal of dredged materials into the Demerara River is strictly prohibited. Prepare and submit to the EPA for approval, locations to be dredged indicated on a plan, method and management and disposal of dredged materials.
- 1.8 Secure, adhere to, and maintain approval from the Guyana Fire Service, and submit a copy to the EPA.
- 1.9 Make all employees/third party contractors aware of the Conditions of the Environmental Permit and provide training on good environmental management practices.

2.0 WATER AND SOIL QUALITY MANAGEMENT

- 2.1 Adhere to the provisions of the **Environmental Protection (Water Quality)**

Regulations, 2000.

- 2.2 Protect susceptible sloped surfaces with suitable revetment and appropriate cover to ensure stability of slopes, avoid erosion, and sedimentation of the Demerara River.
- 2.3 Maintain the integrity of the Demerara River and other existing waterways at all times. Discharges into the environment shall 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 this type of project and should not be exceeded:
- Biological Oxygen Demand (BOD) < 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.
- 2.4 Ensure appropriate measures are implemented to avoid and/or mitigate erosion of the bank of Demerara River at the project site, and siltation/sedimentation of the Demerara River during the construction and operation of the project.
- 2.5 Avoid soil and water contamination from fuel, grease, waste oils and other petroleum products that might be used at the construction site.
- 2.6 Store all oils, fuel, paints and chemicals in a designated area at least 100 meters away from the Demerara River or other water bodies.
- 2.7 Conduct refuelling, oil changes and maintenance of all equipment on an impervious base. Spills shall be mitigated by the best practicable means.
- 2.8 Store and or cover temporary stockpiles, excavated waste and fuel in a secured designated area to prevent accidental release into the Demerara River, especially in rainy conditions. The designated area shall not be placed within 100 m of the Demerara River or other water bodies.
- 2.9 Provide adequate sanitary facilities for such as portable toilets or construct a septic tank system. The septic tank shall not be located within 1.5 m of a building or property boundary and shall 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*.

3.0 NOISE ABATEMENT AND AIR QUALITY MANAGEMENT

3.1 Comply with 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*. 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.

- **Residential Limits:** **75 dB** during the daytime (06:00 h - 18:00 h)
 60 dB during the night-time (18:00 h - 06:00 h)

3.3 Implement appropriate and practical measures or best practices for management of noise from all sound-making devices, such as generators, machinery.

3.4 Prevent, minimise, control and or avoid adverse noise nuisance to the surrounding environment from activities on site. Implement appropriate and practical measures/ best practices for management of noise from all sound-making devices, such as generators, and construction machinery etc.

3.5 Implement appropriate and practicable measures to prevent and mitigate impact of emissions from any generator(s).

3.6 Where applicable, employ dust suppression methods such as watering, erecting dust screens/fences to control dust emissions from material stockpiles and other components of the development that would generate dust.

3.7 Ensure all trucks (including third parties) used to transport sand, loam or aggregate to the site shall be covered to prevent fugitive dust.

3.8 Comply with the *World Health Organisation (WHO) Air Quality Guidelines for Particulate Matter in the Environment*, not exceeding the limits below:

PM_{2.5}: 10 µg/m³ annual mean
 25 µg/m³ 24-hour mean

PM₁₀: 20 µg/m³ annual mean
 50 µg/m³ 24-hour mean

3.9 Comply with the *World Health Organisation (WHO) Air Quality Guidelines for Air pollutants in the Environment*. The following parameters shall not exceed limits as indicated below :

- CO – 9 ppm (8h)
- NO₂ - 0.1 ppm

- VOC - 100 ppm

4.0 HAZARDOUS WASTE MATERIAL / WASTE MANAGEMENT

- 4.1 Comply with the **Environmental Protection (Litter Enforcement) Regulations, 2013** and the **Environmental Protection (Hazardous Waste Management) Regulations, 2000**.
- 4.2 Utilise the best practicable means of handling, storing and disposing of all waste materials.
- 4.3 Promote proper solid waste management and disposal practices on site.
 - 4.3.1 The Demerara River and project site and surrounding areas shall not be littered with any form of wood, concrete, plastic, glass and metallic waste or any form of waste that will affect humans, flora and fauna and related biodiversity;
 - 4.3.2 Place covered garbage receptacles at strategic locations;
 - 4.3.3 Dispose of solid waste at an approved waste management facility, dumping of waste (Domestic and Construction) into the Demerara River is strictly **prohibited**; and
 - 4.3.4 Reuse, recycle and compost waste material as much as practicable.
- 4.4 Ensure adequate spill prevention and control.
- 4.5 Employees or designated employee shall be trained to respond to spills and be aware of spill alert and reporting procedures; deployment of spill control equipment, and the emergency care/treatment of people and animals impacted by the spill.

5.0 COMPLIANCE MONITORING AND REPORTING

- 5.1 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.
- 5.2 Monitor the implementation of the conditions of this Environmental Permit, insofar as they involve adherence by employees and all third parties under your direction.
- 5.3 Report to the Agency of non-compliance(s) with this **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.

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- 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.
- 5.4 Submit **Annual Reports** to the EPA on your compliance with this Permit on or before **March 31, each year**.
- 5.5 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).
- 5.6 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.
- 5.7 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.

6.0 INSTITUTIONAL AUTHORITY/LIABILITIES

- 6.1 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.
- 6.2 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.
- 6.3 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.
- 6.4 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, pursuant to s. 19 of the Environmental Protection Act, Cap. 20:05, Laws of Guyana.
- 6.5 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, pursuant to s. 19 of the Environmental Protection Act, Cap. 20:05, Laws of Guyana.

- 6.6 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.
- 6.7 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.
- 6.8 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.
- 6.9 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.
- 6.10 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.
- 6.11 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.
- 6.12 The EPA has the right to modify, cancel or suspend this Permit for breach of any of the terms and conditions contained herein.
- 6.13 All relevant Permissions should be obtained from other regulatory bodies for construction and operation.**
- 6.14 This Environmental Permit is effective for the period stipulated herein, **December 2021 to November 2026.**

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- 6.15 This **Environmental Permit** shall remain valid until **November 30, 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.
- 6.16 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**.
- 6.17 Any late submission of renewal application(s) after the specified date as stated above, may require the Permit Holder to pay, in addition to 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.
- 6.18 Failure to comply with the requirements of this Permit shall render the Permit Holder liable to prosecution and to civil penalties and/or injunctive relief prescribed under the Environmental Protection Act, Cap. 20:05, Laws of Guyana and its Regulations, including any forthcoming regulations made under the said Act or any other applicable Laws of Guyana.

Signed by  on behalf of the Environmental Protection Agency.

Kemraj Parsram
Executive Director

Date 10.12.2021

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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, Laws of Guyana, the Environmental Protection (Amendment) Act, 2005, the Environmental Protection (Authorisations) Regulations, 2000, and any existing or forthcoming regulations made under the said Environmental Protection Act and/or any applicable laws, best practices, guidelines and standards relevant to this project.

NAME:	Komal Singh
SIGNATURE:	Ganesh Hari Singh Komal Singh
DESIGNATION:	Managing Director
DATE:	December 13, 2021

