



Environmental Protection Agency

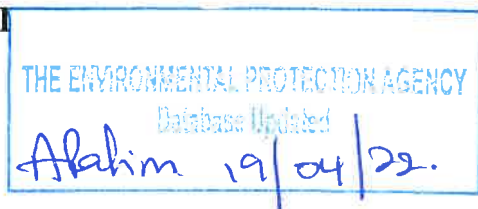
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Environmental Permit

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.:	20210816-RSMRR
Fee:	Small (C1) - US\$175 per year
Fees Paid:	US\$ 875 for for five (5) years – December, 2021 to November, 2026

Addressee: Ramesh Singh & Meenawattie Ramphal
Parcel 519, Plantation Providence,
E.B.D, Guyana.



Activity: Construction and Operation of Residential Apartment Building

Ramesh Singh & Meenawattie Ramphal, herein referred to as the "Permit Holder", is hereby authorised 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, to construct and operate a residential apartment building at Parcel 519, Plantation Providence, E.B.D, Guyana, hereinafter referred to as "the Project", in a manner indicated in the Application dated August 16, 2021, 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 applicable laws, best practices, guidelines and standards relevant to this project.

The Permit Holder, her Servants, Agents and Sub-Contractors shall comply with the following Terms and Conditions of this Environmental Permit:

1.0 GENERAL CONSTRUCTION AND OPERATION

- 1.1 Notify the Agency in writing of any proposed changes in the construction and operation of the apartment building at least **fourteen (14) days before** making the change. The notification shall contain a **description of the proposed change in construction or operation**. It is not necessary to make such a notification if an **Application to vary** this permit has been made and the said 'Application for Variance' contains a description of the proposed change. In this condition '**change**

type of materials which are stored or any other changes which may have consequences for the environment.

Note: For more information please see **Regulation 20** of the **Environmental Protection (Authorisations) Regulations 2000**.

- 1.2 Construction activities are not permitted between 22:00 hrs and 06:00 hrs on any day unless prior EPA approval has been requested and granted. Large concrete pours that require activities in the early morning or late evening, are exempt from this condition.
- 1.3 Adhere to the requirements of **the Occupational Safety and Health Act, Cap. 99:01, Laws of Guyana**.
- 1.4 Ensure that employees are at all times, equipped with appropriate protective gear during construction and operation such as protective headgear, respirators, safety vests, safety boots, etc.
- 1.5 Ensure that all excavated materials are managed safely to avoid negative impacts to habitats or any risk to human health and the environment.
- 1.6 Remove all construction tools, equipment, machinery, and waste material from site on the completion of construction works.

2.0 WATER AND SOIL QUALITY MANAGEMENT

- 2.1 Adhere to the provisions of the **Environmental Protection (Water Quality) Regulations, 2000**.
- 2.2 Maintain the integrity of the existing waterways adjacent and within the project site at all times. Any discharges into the environment must 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:
 - pH 5.0-9.0;
 - Temperature < 40 °C;
 - Biological Oxygen Demand (BOD) < 50 mg/L;
 - Chemical Oxygen Demand (COD) < 250 mg/L;
 - Total Suspended Solid (TSS) < 50 mg/L;
 - Oil and Grease < 10 mg/L; and
 - Chloride < 0.2 mg/L.
- 2.3 Monitor the parameters specified above, in Condition 2.2, **annually**; sample points

should include the final discharge point(s) from the project site, as well as, an upstream and downstream sample from the receiving body of water. The results should be compiled and incorporated into the project's Annual Report submission. The Agency reserves the right to request an independent analysis from an EPA-approved certified laboratory.

- 2.4 Take all practicable precautions to prevent erosion, siltation and sedimentation of existing water bodies/drains within the vicinity of the project site during the construction and operation phases.
 - 2.5 Avoid soil and water contamination from fuel, grease, waste oils and other petroleum products that might be used at the project site during construction. Ensure that all oils, fuel, paints and chemicals are stored in a designated area, at least 10 meters away from waterways.
 - 2.6 As far as practicable, conduct refueling, oil changes and maintenance of vehicles, machinery and other equipment on an impervious base. Spills should be cleaned-up immediately utilising the best practicable means.
 - 2.7 Adequately store and/or cover temporary stockpiles of construction materials and excavated waste in a secured designated area to prevent releases into the surrounding environment, especially in rainy conditions. The designated area should not be placed within 10 m of any water body.
 - 2.8 Disposal of excavated materials into surrounding drains is strictly prohibited.
 - 2.9 Do not discharge or dump solid waste and/or trade effluent directly into receiving waters without prior treatment. Install and maintain grease trap/ an oil-water separator(s) at the final discharge point of the on site sewage facility through which all effluent must pass before final discharge.
 - 2.10 Prevent excessive or inappropriate use of cleaning chemicals. The use of biodegradable/water-based cleaning products is encouraged.
 - 2.11 Construct and maintain drainage systems capable of handling the probable maximum precipitation storm event.
- 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 should not

- 3.2 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.

During Construction

- **Construction Limits:** **90 dB** during the daytime (06:00 h - 18:00 h)
75 dB during the night-time (18:00 h - 06:00 h)

During Operation

- **Residential Limits:** **100 dB** during the daytime (06:00 h - 18:00 h)
80 dB during the night-time (18:00 h - 06:00 h)

- 3.3 Ensure that all construction and operation activities are carried out in such a manner that potential noise disturbance to the surrounding environment is avoided, minimised or controlled.
- 3.4 Ensure that all sound-making devices, such as generators, are housed in enclosures constructed using materials with good insulation properties (e.g. hollow concrete blocks, insulation boards, solid clay bricks, etc.); are equipped with silencers/mufflers to reduce the noise level; and placed on foundations properly designed to ensure effective damping of vibrations. Additionally, consistent equipment maintenance must be done and obsolete tools and equipment should be replaced.
- 3.5 Implement appropriate and practical measures/ best practices for management of noise from all sound-making devices, such as generators, and construction machinery etc.
- 3.6 Ensure minimised adverse fumes/soot impacts to the contiguous areas by installing the exhaust stack of any generator on site at least 2 metres above the tallest building nearby.
- 3.7 Comply with the *World Health Organisation (WHO) Air Quality Guidelines for Particulate Matter in the Environment*, not exceeding the limits below:
- PM_{2.5}:** 25 µg/m³ 24-hour mean
- PM₁₀:** 50 µg/m³ 24-hour mean
- 3.8 Employ dust suppression methods such as watering or erecting dust screens/fences to control dust emissions from material stockpiles and other components of the development that would generate dust.

- 3.9 Ensure stockpiles are stored downwind to avoid being transported by wind to sensitive areas (e.g. residences, schools, etc). Loading and offloading activities should, as far as possible, also be confined to this location.
 - 3.10 Minimise the potential of particles from becoming airborne by keeping drop heights at a minimum when loading and/or offloading materials such as sand, aggregates, etc.
 - 3.11 Ensure that materials susceptible to wind erosion e.g. sand are covered 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.
 - 3.12 Ensure that engine idling during on- and off-loading activities is minimum during construction and operation.
 - 3.13 Record, investigate and address complaints of excessive noise, dust and vibrations from the public promptly upon receipt.
- 4.0 FUEL AND HAZARDOUS/ WASTE MANAGEMENT**
- 4.1 Comply with the **Environmental Protection (Litter Enforcement) Regulations, 2013 and the Environmental Protection (Hazardous Waste Management) Regulations, 2000.**
 - 4.2 Maintain good house-keeping, sanitary and hygienic practices and the aesthetic quality of the surroundings at all times.
 - 4.3 Promote proper solid waste management and disposal practices at the project site. In particular, dispose of waste at the nearest designated waste management site or contract a Disposal Service that collects waste generated in the area for disposal at an authorised designated site. Place covered garbage receptacles at strategic locations around the project site.
 - 4.4 Domestic waste should be placed in covered receptacles and disposed by a competent disposal company/authority.
 - 4.5 Reuse waste materials where practical during and after construction activities, where practicable.
 - 4.6 Dumping of waste (Construction or otherwise) into the surrounding environment is strictly **prohibited**.
 - 4.7 Construct and 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.

- 4.8 Prepare and submit to the Agency a report on the hazardous waste activities during the construction period **no later than forty-five (45) days after construction is completed**; and, for the pervious year, by March 31 every year after that (see Condition 6.5). The report must include the following:
- (a) the name, location and type of project;
 - (b) types and quantities (in metric units) of hazardous waste generated;
 - (c) manner of storage, use, any applied treatment standards/methods and disposal of these substances;
 - (d) data concerning off-site shipments of waste, i.e. local disposal facility utilised, country to which hazardous waste is shipped, purpose of shipment and amount of waste shipped;
 - (e) a summary of any accidents that may have occurred and any action taken; any waste minimisation efforts undertaken by the project for hazardous material/waste; and any other matter the Agency may require.
 - (f) Any waste minimisation efforts undertaken by the project for hazardous material/waste; and
 - (g) Any other matter the Agency may require.

The Agency considers all materials listed in Schedules I and II of the Environmental Protection (Hazardous Waste Management) Regulations, 2000, to be hazardous.

- 4.9 In the event that waste oil (from the oil-water separator or generator servicing) is stored on site, it must be stored in a covered, bunded area to minimise adverse impacts to the environment resulting from accidental spills.
- 4.10 All waste oil shall be disposed of in accordance with the Environmental Guidelines, 2011 for the 'Removal, Treatment and Disposal of Oily Sludge' or reuse waste oil as lubricant for chainsaw or other equipment/machinery.
- 4.11 All fuel shall be stored in a designated area during the operation phase. This area must be away from ignition sources and have 'No Smoking' signs posted where fuel is handled or stored .
- 4.12 Ensure that absorbent materials for the containment of fuel and oil and other hazardous substances are appropriately stored in a concrete-based structure and are not exposed to moisture. Once used the materials should be double wrapped in heavy duty garbage bags and disposed of at an authorised waste disposal site or at an EPA-approved incineration facility.

- 4.13 An impervious secondary containment bund shall be maintained and have at least 110% containment capacity around all fuel storage tanks, creating a temporary holding area in the event of spillage.
- 4.14 Limit access to hazardous waste storage areas to employees who are authorised and have received proper training to execute emergency response protocols in the event of a spill.
- 4.15 Record and include in a summary table the following information:
 - (a) Name and description (e.g. composition of a mixture) of the hazardous materials;
 - (b) Classification (e.g. code, class or division) of the hazardous materials;
 - (c) Quantity of hazardous materials used per month; and
 - (d) Characteristic(s) that make(s) the materials hazardous (e.g. flammability, toxicity).
- 4.16 Treat and contain spills with absorbent materials, whether or not they are minor in nature.
- 4.17 Designate an area for the storage of First Aid Kit(s); and Washing detergents; and Sanitizers (J's Fluid, Pine Sol, etc.) for the project.

5.0 EMERGENCY MANAGEMENT

- 5.1 Employ or designate an employee to the role of an Occupational Health and Safety (OHS)/Environmental Officer who would be responsible for the implementation and coordination of all safety requirements and terms and conditions stipulated in this Permit, as well as monitoring, compliance and making all required reports to the EPA.
- 5.2 Obtain approval from the Guyana Fire Service and provide fire protection measures such as fire extinguishers and sand buckets in accordance with this approval.
- 5.3 Ensure at all times the working environment is monitored for occupational hazards relevant to the specific construction and operation activities of the storage bond.
- 5.4 All employees must be equipped with and trained in the use of personal protective equipment (PPE) to fit their job specification such as hi-visibility vests, respirator, hard hats, gloves, and appropriate footwear and ensure appropriate utilisation of these gears. A log for the distribution of Personal Protective Equipment to employees must be maintained. Evidence of distribution log must be presented to officer of the Agency upon request during compliance inspections.

- 5.5 A first aid kit equipped according to the Guyana Red Cross standards must be located on site at times. Additionally, communication and transportation systems must be in place to respond to emergencies.
- 5.6 Ensure the Fire Safety Certificate is renewed annually and all firefighting equipment are maintained and serviced regularly. Fire Safety Certificate should be submitted to Officers of the Agency upon request during compliance inspection and in the Annual Report.
- 5.7 Ensure all employees are trained in the use of firefighting equipment, such as, fire extinguishers and understand the firefighting protocol.
- 5.8 Make all employees/third party contractors aware of the conditions of the Environmental Permit and provide training on good environmental management practices. Prepare and maintain a training file for employees which should be available upon EPA Officers' request during a Compliance Inspection.

6.0 COMPLIANCE MONITORING AND REPORTING

- 6.1 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.
- 6.2 Monitor the implementation of the conditions of this Environmental Permit, insofar as they involve adherence by employees and all third parties under your direction.
- 6.3 Report to the Agency any non-compliance(s) with this **Environmental Permit**:
 - 6.3.1 Within **twenty-four (24) hours** of the time the Holder of the Environmental Permit becomes aware of the non-compliance, the anticipated manner in which it may endanger human health or the environment.
 - 6.3.2 Within **seventy-two (72) hours**, submit to the Agency a written report containing:
 - a. a description of the non-compliance;
 - b. its cause;
 - c. the period of non-compliance including exact dates and times, or the predicted time it is expected to continue if not yet addressed; and
 - d. the corrective measures, taken or planned, to correct the non-compliances.
- 6.4 Submit **Environmental Annual Reports** to the EPA on or before **March 31** every

year on your compliance with this Permit.

- 6.5 Notify the EPA within **twenty-four (24) hours** of the occurrence of any environmental emergencies such as a sudden onset of disaster, accident, natural, technological or human induced factors that cause or threaten to cause severe environmental damage as well as harm to human health or livelihood.
- 6.6 Inform the Agency prior to or within **thirty (30) days** of any change of name or ownership of the project.
- 6.7 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.
- 7.0 INSTITUTIONAL AUTHORITY/LIABILITIES**
- 7.1 **The Permit Holder shall not commence any construction on the site until all other necessary approvals from relevant Sector Agencies are obtained and submitted to the EPA.**
- 7.2 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 (Authorisations) Regulations, 2000.
- 7.3 The Permit Holder, His Servants and/or Agents shall at all times, allow entry to the permitted project/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.
- 7.4 The EPA shall have the right to cancel or suspend this Permit for breach of any of the terms and conditions contained herein.
- 7.5 The Permit Holder shall be liable for causing any material or serious harm by polluting the environment, with or without intent or recklessness and knowledge that the harm will or may result; for any resulting adverse effect of potentially polluting activities, where all reasonable and practicable measures were not taken to prevent or minimise the said effect; and for the discharge or release of or for causing or permitting the entry of any contaminant in any amount, concentration or level in excess of that prescribed by the regulations or stipulated by this Environmental Permit, insofar as they are attributed to the Project's activities. This is pursuant to

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Section 39 and Section 19 (1) and (2) of the Environmental Protection Act, Cap. 20:05, Laws of Guyana.

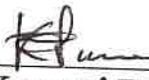
- 7.6 The Permit Holder shall compensate any Party who suffers any loss or damage as a result of the attributed Project (See: s. 19 (3)(e) of the Environmental Protection Act, Cap. 20:05, Laws of Guyana.)
- 7.7 The Permit Holder shall not be indemnified by the Agency for any activity that causes or is 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.
- 7.8 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.
- 7.9 Should the Permit Holder contravene or is likely to contravene any condition of this Permit, the Agency (EPA) may serve on her an Enforcement Notice in accordance with Section 26 of the Environmental Protection Act, Cap. 20:05, Laws of Guyana.
- 7.10 Where it appears to the Agency 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 may issue to the Permit Holder a Prohibition Notice, which may order her to immediately cease the offending activity, in accordance with Section 27 of the Environmental Protection Act, Cap. 20:05, Laws of Guyana.
- 7.11 This Environmental Permit is effective for the period stipulated herein, **December 2021 to November 2026.**
- 7.12 This **Environmental Permit** shall remain valid until **November 31, 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.
- 7.13 This Permit must 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 **May 31, 2026.**
- 7.14 Any late submission of the application required by Condition 7.15 beyond the date specified therein, may require the Permit Holder to pay, in addition to the application



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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.


7.15 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, its Regulations and other applicable laws of Guyana.

Signed by  on behalf of the Environmental Protection Agency.

Kemraj Parsram
Executive Director
Executive Director

Date 16.12.2021

I hereby accept the above Terms and Conditions upon which this Construction 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 forthcoming regulations, best practices, guidelines and standards made under this Act.

NAME:	RAMESH SINGH
SIGNATURE:	
DESIGNATION:	BUSINESSMAN
DATE:	4TH APRIL 2022

