



**Environmental
Protection
Agency**

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Georgetown, GUYANA
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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:	20231124_CBPAV
Fee:	Medium (C2) - US\$800 per year
Fees Paid:	US\$ 4000 for Five (5) years (April 2024 – March 2029)
Addressee:	Messrs. Awad Narayan Boodhoo & Vijay Anthony Boodhoo Directors National Concrete & Aggregates Both of Lot 299 N^{1/2} Parika Highway East Bank Essequibo.
Activity:	Concrete Batching Plant

National Concrete & Aggregates., hereinafter referred to as the “Permit Holder”, is hereby authorised in accordance with the Environmental Protection Act, Cap 20:05, the Environmental Protection (Amendment) Act, 2005, and Environmental Protection (Authorisations) Regulations, 2000, to Operate a Concrete Batching Plant at Sublot Letter A being a portion of lot Letter B Parcel 2 of sublot Letter B south of railway Lane, Plantation Union Nouvelle Flander, La Jalousie, West Coast Demerara, hereinafter referred to as the “Project”, in the manner indicated in the Application for Environmental Authorisation submitted on November 24, 2023, and 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 other applicable laws, guidelines, best practices, and standards relevant to this project.

The Permit Holder, His Servants, Agents, and/or Sub-contractors shall comply with the following Terms and Conditions:

1.0 OPERATIONS

- 1.1 An application shall be made to the Agency to vary this Permit in instances where it becomes necessary to:
- change the construction, operation, structure, or layout of the facility and all associated buildings;
 - change equipment, machine, apparatus, mechanism, system, or technology serving the facility;
 - change the position and design of any outlet at the point or points of discharge of effluents; or

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Air Pollutant	Averaging Time	Maximum Permissible Level	Type of Monitoring	Frequency
Carbon Monoxide	24 h	4 mg/m ³	Ambient	Bi-annually
Nitrogen Dioxide	24 h	25 µg/m ³	Ambient	Bi-annually
Sulphur Dioxide	24 h	40 µg/m ³	Ambient	Bi-annually
PM _{2.5}	24h	15 µg/m ³	Ambient	Bi-annually
PM ₁₀	24h	45 µg/m ³	Ambient	Bi-annually

Air Quality monitoring shall be conducted in accordance with the parameters listed above by trained personnel utilizing calibrated equipment. Records shall be maintained and submitted to the EPA as a component of the **Annual Report**.

2.6 Particulate matter and dust suppression methods shall be maintained around the stockpiles and plant.

2.6.1 Wet suppression to control dust emissions from material stockpiles, and other components of the operation that contribute to dust emissions in accordance with a schedule;

2.6.2 Erecting dust screens/fences to control particulate matter/dust emissions;

2.6.3 Stockpiles of sand and other dusty materials shall be located in an area of low winds as far as possible from nearby residents;

2.6.4 Storage of sandstone and other aggregates on the roadway and government reserves is strictly prohibited;

2.6.5 Stockpiles shall be relatively flat on top, and shall not exceed a height of two (2) meters;

2.6.6 Cover stockpiles of sand and other dusty materials with tarpaulin or other suitable material, when not in use for extended periods, to prevent particles from becoming airborne.

2.7 In the event of equipment inefficiencies or malfunctions that may result in visible or abnormal emissions to the air, the operator shall:

2.7.1 Investigate and undertake remedial action immediately;

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- 4.4.1 Dried sediments shall be collected and reused in the batching process if applicable.
- 4.4.2 Discharge of sediments into waterways is **strictly prohibited**, where applicable this can be used in landfills.
- 4.5 The project shall 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 the general environment and should not be exceeded:

Parameter	Daily Maximum Concentration	Units	Frequency
pH	5.0 – 9.0		Annually
Temperature	40	°C	Annually
Biological Oxygen Demand (BOD)	<50	mg/L	Annually
Chemical Oxygen Demand (COD)	<250	mg/L	Annually
Total Suspended Solids (TSS)	<100	mg/L	Annually
Oil and Grease	Total Petroleum Hydrocarbon (TPH) < 40	mg/ L	Annually

Water quality sampling shall be conducted to verify the integrity of the existing waterway. Monitoring shall be conducted by a registered laboratory and results shall be submitted to the Agency along with the certificate of competency as a component of the **Annual Report**.

- 4.6 Adequately sloped perimeter drains shall be maintained to collect storm flow. Stormwater discharges shall be directed away from the washout bund.
- 4.7 Fuel/lubricants including waste oils shall not be drained from the equipment onto the ground or into waterways.

5.0 STORAGE OF HAZARDOUS MATERIALS (ADMIXTURES and FUEL)

- 5.1 A register of the hazardous materials managed by the Project shall be established and maintained. The registered information shall be maintained on-site and made available for inspection by the EPA upon request.
- 5.2 Emergency spill clean-up kits shall be readily available, clearly identified, and maintained at the Project for response to spills. Kits must contain absorbent materials, drain seals, and other appropriate tools for clean-up.

Hazardous Material Communication and Emergency Preparedness Response. Training records shall be maintained on-site and made available for inspection by the EPA upon request.

- 5.15 All expired Admixtures shall be returned to the source for treatment and/or disposal. Where applicable Local Hazardous Waste Treatment Companies approved and authorized by the EPA may be utilized.

6.0 WASTE MANAGEMENT

- 6.1 Adhere to the provisions of the **Environmental Protection (Hazardous Waste Management) Regulations, 2000.**
- 6.2 In accordance with the **Environmental Protection (Litter Enforcement) Regulations, 2013**, promote good sanitation and solid waste disposal practices on site; covered garbage receptacles must be placed at strategic locations at the facility. Waste must be collected and disposed of at an approved waste disposal facility.
- 6.3 Burning of solid waste **is strictly prohibited**. All solid waste shall be disposed of by an EPA-Authorised Waste Disposal Company.
- 6.4 Good housekeeping, sanitary, and hygienic practices shall be maintained at all times. The facility's drains and surroundings shall be kept free of vegetation and litter.
- 6.5 Promote waste minimisation and the reuse and/or recycling of waste and other materials where practical.
- 6.7 Waste collection areas shall be kept clean. Dry methods shall be used when cleaning around waste handling and disposal areas (e.g., sweeping, use of absorbents).
- 6.8 Hazardous waste (oily rags, waste oil, etc.) generated from the servicing of the vehicles and generator onsite shall be collected, stored, and treated by an EPA Authorized Hazardous Waste Treatment Facility.
- 6.9 The Permit Holder shall construct and maintain a septic tank system on site 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*:
- i) The septic tank shall not be located within 1.5 meters of a building or property boundary;
 - ii) septic tanks shall be installed with a sand and charcoal filter bed, or other appropriate design for further treatment; and
 - iii) shall be accessible for cleaning and de-sludging.
- 6.10 Any modification to the Septic tank shall be in accordance with the Guyana National Bureau of Standards (GNBS) Code of Practice for the Design and

explosions, leaks, or suspected leaks and spills at the permitted premises are taken.

8.0 INSTITUTIONAL AUTHORITY/ LIABILITIES

- 8.1 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.
- 8.2 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.
- 8.3 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.
- 8.4 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.
- 8.5 The Permit Holder shall be liable to compensate any person who suffers any loss or damage as a result of contravening conditions 8.3 and 8.4 of this Environmental Permit, pursuant to s. 19 of the Environmental Protection Act, Cap. 20:05, Laws of Guyana.
- 8.6 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.
- 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, discharge, or spill, of contaminant fluids, oil or lubricants.
- 8.8 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.
- 8.9 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

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Laws of Guyana, the Environmental Protection Regulations and other applicable laws of Guyana.

Signed by Kemraj Parsram on behalf of the Environmental Protection Agency



Date: 2024.05.17

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, Environmental Protection (Amendment) Act, 2005, the Environmental Protection (Authorisations) Regulations, 2000, and any existing or forthcoming regulations, guidelines, best practices and standards made under this Act.

NAME:	AWAD N BOODHOO
DESIGNATION:	OWNER
SIGNATURE:	Awad n Boodhoo
DATE:	24.05.24



GBH #2998341 dt: 2024.04.25



Environmental Protection Agency

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File Copy

Date: 2024.05.24

No. 28075

Received From: Messrs. Aard Haryon Boodhoo & Vijay Anthony Boodhoo

The Sum of: Eight Hundred Forty One Thousand and Eight Hundred Dollars \$841,800.00

24 MAY 2024

For: Environmental Permit medium-concrete batching plant (April 2024 - March 2029)

PAID

Cash Cheques

Wire Transfer

Balance due

Amt. \$

Signature: [Signature]