

Project Summary

Name of Operation

Bruce Yamond Small

Name of Developer/Company

Small Enterprise

Contact details

693-3111/681-0101

Image of Operation

Address of Operation

30 Hosororo Hill, Barima Waini, Region 1.

Date

12th September, 2024

Prepared by: Mr. Bruce Small

Section 1: Introduction (Project Overview)

This operation involves Fuel Storage, which is the process of storing fuel in plastic totes for personal use.

Small Enterprise (hotel) is owned by Mr. Bruce Yamond Small of 30 Hosororo Hill, Barima Waini, Region 1, Guyana and is managed by Mr. Small and his Wife who has shared responsibility for operation.

Section 2: Description of Project Location

The project is accessible via the main access road to Hosororo Hill. The facility stored fuel (diesel) in five (5) one-thousand-gallon totes for the use of the in-house generator. The generator is used to power the Hotel facility.

Environmental Considerations:

Environmental Considerations: this project has the ability to impact soil, air/noise quality, water quality (ground and surface water) and biodiversity. Therefore, correct storage of our fuel is essential for ensuring safety, protecting the environment, and optimizing operational efficiency.

Section 3: Description of Project

Fuel (diesel) is currently being stored on a concrete base with wooden shed at the western end of the facility (back of the hotel). Fuel is pumped from the larger tanks into a smaller ten (10) gallon tank which is connected to the generator. Fuel is not stored for resale purposes. Fuel is purchased from Kumaka Waterfront and transported via trucks to the site.

Safety and Security: A monthly meeting is held with staff to discuss safety procedures and protocols in case of an incident.

Fire prevention strategies: There are 1 fire bucket, and 2 fire extinguishers.

Table 1: Emissions for Air

No.	Type	Sources
1	Gaseous pollutants (combustion gases) Generators (60 and 55 Kva)	Generators are equipped with mufflers to reduce noise.
2	Particulate Emissions	N/A

Table 2: Solid Waste

No.	Type	Treatment/Disposal Methods
1	Domestic Waste: plastics, food items, etc.	Domestic garbage is stored in plastic buckets and disposed of by the Council on a weekly basis.
2	Construction Waste (if any)	N/A

Table 3: Liquid Waste

No.	Type	Treatment/Disposal Methods
1	Domestic Wastewater (Grey Water) – Septic Tank	All grey water and sewage is channeled to the onsite septic tank.
2	Sewage – Septic Tank	

Table 4: Hazardous Waste

No.	Type	Treatment/Disposal Methods
	Off Specification Fuel -	N/A
	Waste Oil – 10 gallons	Waste oil from the servicing of the generator is given to chainsaw operators.
	Oily Rags -	N/A
	Waste from spills or leaks -	Prompt cleanup and proper disposal
	Used batteries -	N/A

Section 4: Project size

- **Capacity:** Approximately **5,000 gallons** of diesel.
- **Storage:** five (5) one thousand (1000) gallon **plastic totes**.
- **Workforce:** The business operates with a team of **3 employees**.
- **Investment Capital:** The estimated investment capital for this venture is approximately **\$1.5 million** with a monthly turn-over of **\$500,000** from the operation of the hotel.

Section 5: A non-technical summary of the project

- **Activity Type:** The main operation involves storage of fuel for the use of the onsite generator.

- **Method of Conduct:** Fuel is purchased from fuel facilities in Kumaka Waterfront, Region #1.
- **Storage:** The fuel is stored in five (5) one thousand (1000) gallons plastic totes.
- **Distribution:** Fuel is pumped from the larger totes into a smaller ten (10) gallon plastic drum which is attached to the generator for operation.
- **Operation hours:** Hotel operation hours are from 24/7.

Section 6: Potential Impacts and Management

Environmental Impacts

1. List of impacts

Mitigation Measures

Aspect	Mitigation Measures
Emission to Air: Dust/Particulates	N/A
Emission to Air: Gaseous Emissions	Both generators are equipped with mufflers.
Noise and Vibration	N/A
Discharge to surface water	Implement measure that would encourage safety and environmental protection like inspect hose which are connected to the generator. Installation of an oil-water separator to allow for any effluent to pass through before final discharge.
Potential release to land/soil	Use of spill containment measures like drip pans adsorbent materials to contain accidental spills.
Generation, Storage and Disposal of Hazardous Waste	N/A
Health and Safety Risk	Referred to Mabaruma Hospital

Images of the facility:

Inside view of the storage tanks (totes)



Showing the smaller container for the generator



The storage tank with the generator

