

Section 1: Introduction (Project Overview)

This operation involves Fuel Storage, which is the process of storing fuel in aboveground storage tanks (totes) for retail purposes.

Terry Daniella & Sons Shop is owned and managed by Mr. Mohabr Mangar of Fair View Village Kurupakari Crossing, Essequibo River.

Section 2: Description of Project Location

The project is accessible via the Rupununi Road and into Fair View Village. Surrounding the operation to the north is one resident and vacant all other directions with the main access road to the west. `



Environmental Considerations:

Environmental Considerations: this project has the ability to impact soil, air/noise quality, water quality (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 and gasoline) is currently being stored within plastic totes which have a capacity of one thousand (1000) gallons each. The total number of totes currently being stored at the facility is eleven (11) for a total capacity of eleven thousand (11,000)

gallons. The facility has one gasoline pump for dispensing to customers. The storage bond is concrete with a concrete flooring and a wooden door. Fuel is stored for resale purposes.

Fire prevention strategies: The facility has 1 fire bucket, and 3 fire extinguishers. Application was made to the Guyana Fire Service for the issuance of the license.

Table 1: Emissions for Air

No.	Type	Sources
1	Gaseous pollutants (combustion gases)	Onsite generator
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 burial given that the area does not have a disposal service or landfill site.
2	Construction Waste (if any)	N/A

Table 3: Liquid Waste

No.	Type	Treatment/Disposal Methods
1	Domestic Wastewater (Grey Water) – wiping water	Grey water is discharged directly into the environment
2	Sewage	One septic tank near the facility

Table 4: Hazardous Waste

No.	Type	Treatment/Disposal Methods
	Off Specification Fuel -	N/A
	Waste Oil -	Waste oil is given to chainsaw operators within the village
	Oily Rags -	N/A
	Waste from spills or leaks -	Prompt cleanup using the onsite sand bucket. A spill cleanup kit will also be purchased.
	Used batteries -	N/A

Section 4: Project size

- **Capacity:** Approximately **11,000 gallons** of diesel and gasoline.
- **Storage:** Eleven (11) one thousand (1000) gallons plastic totes.
- **Workforce:** The business operates with a team of **2 employees**.
- **Investment Capital:** The estimated investment capital for this venture is approximately **\$3 million** with a monthly turn-over of **\$150,000**.

Section 5: A non-technical summary of the project

- **Activity Type:** The main operation involves storage of fuel for resale.
- **Method of Conduct:** Fuel is purchased from SOL Providence and transported via trucks.
- **Storage:** Eleven (11) one thousand (1000) gallons plastic totes.
- **Distribution:** Each tank has a lock off valve and can be attached to the onsite gasoline pump for distribution.
- **Operation hours:** Operation hours are from 8:00am to 6:00pm.

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	Onsite generator is in an enclosed room
Noise and Vibration	N/A
Discharge to surface water	Implement measure that would encourage safety and environmental protection like inspection to units before dispensing.
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	Safe storage before given to chainsaw operators.
Health and Safety Risk	Emergency cases are referred to village doctor. Accessible first aid kit and functional fire extinguishers are present at facility.