

Project Summary

Name of Operation

James Variety Store

Name of Developer/Company

Treasure James

Contact details

693-4429

Image of Operation



Address of Operation

Kumaka Landing, Mabaruma, Region # 1.

Date

12th September, 2024

Prepared by: Ms. Treasure James

Section 1: Introduction (Project Overview)

This operation involves Fuel Storage, which is the process of storing fuel in plastic drums for retail purposes.

James Variety Store is owned by Ms. Treasure James of Lot 1253 EE Eccles, East Bank Demerara, Guyana and is managed by Ms. Lalitta Wong (Mother) who has responsibility for operation and sales.

Section 2: Description of Project Location

The project is accessible at the Kumaka Landing, left of the Kumaka fish market. The surrounding the operation includes the fish market, and surrounding businesses to the north and west. Additionally, to the west is the main access road. To the east of the facility is the Kumaka/Aruka River.

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 and gasoline) is currently being stored within a wooden bond which is directly over the river. Fuel is stored in plastic fifty-five (55) gallon drums and sold to customers via drums or for smaller quantities via a suction hose. The resale of diesel will be done during the hours of 8:00am to 6:00pm daily.

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)	N/A
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) – 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 -	N/A
	Oily Rags -	N/A
	Waste from spills or leaks -	Prompt cleanup and proper disposal
	Used batteries -	N/A

Section 4: Project size

- **Capacity:** Approximately **1,500 gallons** of diesel.
- **Storage:** in **plastic** fifty (50) gallon drums.
- **Workforce:** The business operates with a team of **3 employees**.
- **Investment Capital:** The estimated investment capital for this venture is approximately **\$1 million** with a monthly turn-over of **\$500,000**.

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 fuel facilities in Morawanna, Region # 1.
- **Storage:** The fuel is stored in fifty (50) gal Drums.
- **Distribution:** fuel is sold by drums or for smaller quantity via suction hose
- **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	N/A
Noise and Vibration	N/A
Discharge to surface water	Implement measure that would encourage safety and environmental protection like inspect hose before fuel 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	N/A
Health and Safety Risk	Emergency cases are referred to Mabaruma Hospital 10 mins away. Accessible first aid kit and functional fire extinguishers are present at facility

Images of the facility:

Inside view of the storage bond



Outside view of the storage bond



Outside view of the bond when closed



Fire Extinguisher



Outside view of the bond next to the river

