

Project Summary

Name of Operation

wonderful shopping mall ②

Name of Developer/Company

wonderful shopping mall ②

GAS STATION

Contact details

6836491

Address of Operation

region 7. parkni Landing

Date

2024.10.04

Prepared By

Xia Ru Ye 2024.10.04

Section 1: Introduction (Project Overview)

This operation involves Fuel Storage, which is the process of storing fuel in metal tanks for the use of resale.

Wonderful Shopping Mall 2 is owned by Ms. Xiuru Ye of Puruni Landing, Region 7, Guyana and is managed by Mr. Lan Yuqiang who has responsibility for operation.

Section 2: Description of Project Location

The project is accessible via the main access road to Itaballi road into Puruni. The facility stored fuel (diesel and Gasoline) in two metal aboveground tanks which has a capacity of twenty-five thousand (25,000) lt each.

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) are currently being stored on a concrete base with steel frame shed at the western end of the facility. Fuel is pumped from the larger tanks via underground steel pipes to one (1) nozzle dispenser. Fuel is stored for resale purposes. Fuel is purchased from Fall Gas Station and transported via trucks to the site.

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

Fire prevention strategies: There are 6 fire bucket, and 14 (8kg) fire extinguishers.

Table 1: Emissions for Air

No.	Type	Sources
1	Gaseous pollutants (combustion gases) Generators (13 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 drums (1/2) and disposed of by the developer on a daily 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 are channeled to the onsite septic tank (2).
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 **50,000 liters** of diesel and gasoline.
- **Storage:** two (2) metal aboveground storage tanks.
- **Workforce:** The business operates with a team of **3-5 employees**.
- **Investment Capital:** The estimated investment capital for this venture is approximately **\$100 million** with a monthly turn-over of **\$5,000,000** from the operation.

Section 5: A non-technical summary of the project

- **Activity Type:** The main operation involves storage of fuel resale purposes.
- **Method of Conduct:** Fuel is purchased from fuel Falls Bulk Storage in Region 4.
- **Storage:** Fuel is stored in two (2) metal aboveground storage tanks.

- **Distribution:** Fuel is pumped via underground metal pipes to a diesel pump nozzle dispenser.
- **Operation hours:** 08:00 to 20:00hrs.

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.
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 Puruni Health Center or Bartica Hospital