

Project Summary

Name of Operation

Sand N Filling Station

Name of Developer/Company

Nikita Roth DaLuz

Contact details

621-2715

Image of Operation

Address of Operation

Kamarang Landing, Region # 7.

Date

25th November, 2024

Prepared by: Ms. Nikita Roth DaLuz

Section 1: Introduction (Project Overview)

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

Sand N Filling Station is owned by Ms. Nikita Roth DaLuz of Lot 111 Miles Madhia, Region #8, Guyana and is managed by Mr. Mario Bascom (Husband) who has responsibility for operation and sales.

Section 2: Description of Project Location

The project is accessible at the Kamarang Landing, on the outskirts of the airstrip. The surrounding operation includes the Police Station, Kamarang River and the Airstrip.

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 (gasoline) is currently being stored within a concrete bond with galvanized mesh. 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 gasoline 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 6 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 developer 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 septic tank
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.
	Oily Rags -	N/A
	Waste from spills or leaks -	Prompt cleanup and proper disposal
	Used batteries -	N/A

Section 4: Project size

- **Capacity:** Approximately **2,700 gallons** of gasoline.
- **Storage:** in **plastic** fifty-five (55) 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 Georgetown and shuttled into the area via aircraft.
- **Storage:** The fuel is stored in fifty-five (55) 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	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