

Project Summary

Name of Operation

Nigel's & Sons Fuel Bunkering)

Name of Developer/Company

Lionel Rodriques (Nigel's & Sons)

Contact details.

Tel#: +592 664-2237

Address of Operation

Canal Bank, Port Kaituma, Region 1

Date

28th February 2024

Future Expansion Potential:

Our business's future expansion plans include:

- Establishment of Service Station near the Port Kaituma Airport, Region 1. The goal is to store 10,000 ga diesel in a metal tank for the purpose of resale.

Section 3: Description of Project,

The resale of gasoline operations takes place at Turn Basin, Port Kaituma, Region 1, where gasoline is transferred from the vessel to the turn basin access road for our customer. Fourteen (14) plastic fuel tanks with a capacity size of 1000 Litres are used to store gasoline. The vessel uses solar panel as the main source of electricity. However, there is a 5000 watts generator as backup.

Safety and Security: Meetings are held with staff once a month to discuss safety procedures and protocols in case of an incident.

Fire prevention strategies: There are 2 fire buckets, 3 fire extinguishers, an adequate number of life jackets, 2 life rings, and safety signage indicating no smoking, highly flammable, and the location of an accessible first aid kit.

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	Placed in garbage bags and uplifted by the NDC for disposal.
2	Construction Waste (if any)	N/A

Table 3: Liquid Waste

No.	Type	Treatment/Disposal Methods
1	Domestic Wastewater (Grey Water) – One septic tank	N/A
2	Sewage	N/A

Table 4: Hazardous Waste

No.	Type	Treatment/Disposal Methods
	Off Specification Fuel -	N/A

Waste Oil -	Store in 5gal plastic pale and is sold to Customers
Oily Rags -	N/A
Waste from spills or leaks -	Prompt cleanup and proper disposal
Used batteries -	N/A

Section 4: Project size

- **Capacity:** Approximately **14,000 Litres** of gasoline.
- **Storage:** Utilizing **14 Plastic Fuel tanks**, each with a capacity size of **1000 Litres**).
- **Workforce:** The business operates with a team of **6 employees**.
- **Investment Capital:** The estimated investment capital for this venture is approximately **\$6 million** with a monthly turnover of **\$\$1 million**.

Section 5: A non-technical summary of the project

- **Activity Type:** The main operation involves fuel bunkering from ship to shore for resale.
- **Method of Conduct:** Fuel is purchased from fuel facilities such as H. & J. Persaud and Sons Enterprise at Charity.
- **Storage:** The fuel is stored in approximately 14 plastic fuel tanks, each with a capacity of 14,000 Litres.
- **Distribution:** The vessel will be loaded with gasoline to be sold at Turn Basin port Kaituma.
- **Operation hours:** The bunkering operates from 6 AM to 6 PM. Work by 20 days trip.

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, connections and fittings for any sign of damage or wear and tear. Ensure that vessel is securely moored 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	Referred to Port Kaituma Hospital

Images of the facility:



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Nigel & Sons

Name of Developer/Company

Lionel Rodriguez (Nigel & Sons)

Contact details

664 2237

Address of Operation

turn Base

Date

28-02-2024

Prepared By

Lionel Rodriguez