

Project Summary

Name of Operation

Dinesh Dharamdeo Fuel

Name of Developer/Company

Dinesh Dharamdeo

Contact details

665-6835

Address of Operation

Lock Pan, Port Kaituma
Region 1

Date

Prepared By

Dinesh Dharamdeo

Introduction (Project Overview)

This operation involves fuel bunkering and land storage. Fuel is purchased from either Rubis, Sol or Guyoil Bulk Storage in facilities in Providence once per month via the vessel. Fuel (diesel) is stored in one (1) metal tanks which is located below the deck at a capacity of fifteen thousand, one hundred and forty-one (15,141 lt). Additionally, approximately four (4) one thousand (1000) gal totes are designated for the purchase of gasoline along with ten (10) forty-five gal drums. The vessel will then arrive at Lock Pan, Port Kaituma and dock after which fuel is then pumped via diesel pump into metal aboveground storage tanks. Three (3) tanks are currently being utilized for the storage of petroleum products. Each tank has a capacity of eleven thousand, three hundred and fifty-six (11,356) liters. Fuel is then sold to customers via a diesel pump and rubber hose and sold by drums.

Description of Project Location - 7°44'7.31"N 59°52'36.30"W



- **Accessibility**

The site can be accessed via the Lock Pan Road and onto the wharf section.

- **Land Use and Surroundings**

Businesses (Barama) surround the area (Fuel) with a resident to the North

- **Safety and Security**

At least one (1) worker is always stationed on the vessel.

- **Environmental Consideration**

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. Our operation will involve:

- using approved containers, ensuring proper storage, ventilation, and following specific fueling instructions due to the unique characteristics and associated risks of different fuels like gasoline and diesel.
- Periodically inspect the functionality of emergency equipment.
- Provide continuous training for staff responsible for fuel handling.
- Ensure gasoline containers are tightly sealed to prevent spills.

- **Future Expansion Potential:**

The Project plans to expand within the next five (5) years by purchasing a larger vessel.

Description of Project

Fuel is purchased from bulk facilities (Rubis, SOL and Guyoil) located in Providence, East Bank Demerara, where it is then transferred via vessel to Lock Pan, Port Kaituma and transferred to three (3) onshore storage tanks with a capacity of eleven thousand, three hundred and fifty-six (11,356) liters each. Fuel is then sold to customers via a diesel pump and rubber hose and sold by drums.

Table 1: Emissions for Air

No.	Type	Sources
1	Gaseous pollutants (combustion gases) – No Generator, Vessel is off when discharging fuel.	Vessel Travelling
2	Particulate Emissions	The general area is very dusty during the dry season however, given that the facility is in close proximity to the logging company Barama, wet suppression is done on a regular basis

Table 2: Solid Waste

No.	Type	Treatment/Disposal Methods
1	Domestic Waste	Domestic waste is collected via plastic barrel and is burned in a pit about 500m away. Waste is collected by small plastic buckets in the vessel and stored until docked after which it is disposed of with the regular waste.

Table 3: Liquid Waste

No.	Type	Treatment/Disposal Methods
1	Domestic Waste Water (Grey Water) – One septic tank	Grey water is discharged directly into the river.
2	Sewage	Pit latrine

Table 4: Hazardous Waste

No.	Type	Treatment/Disposal Methods
	Off Specification Fuel – none	Not Applicable
	Waste Oil	Vessel is currently outboard and service is done on land. Waste oil approximately five (5) gal is given to chain saw operators.
	Oily Rags	Goes into the regular waste bin.
	Waste from spills or leaks	No spills or leak on the vessel
	Used batteries	Not Applicable

Section 4: Project size

- **Capacity:** Approximately **forty-nine thousand, two hundred and nine (49,209) liters** of gasoline/ diesel.
- **Storage:** Vessel capacity is currently **fifteen thousand, one hundred and forty-one (15,141) liters**, and onshore capacity for each tank is **eleven thousand, three hundred and fifty-six (11,356) liters** with a total capacity size of **thirty-four thousand and sixty eight (34,068) liters**.
- **Workforce:** The business operates with a team of **three (3) employees when the vessel is travelling and two (2) when docked**.
- **Investment Capital:** The estimated investment capital for this venture is approximately **seven (\$7,000,000) million** with a monthly turn-over of **one (\$1,000,000) million**.

Section 5: A non-technical summary of the project

1. **Activity Type:** The main operation involves fuel bunkering from ship to shore for resale.
2. **Method of Conduct:** Fuel is purchased from fuel facilities such as Rubis, SOL and Guyoil in Providence, East Bank Demerara.
3. **Storage:** The fuel transported via vessel which has a capacity of fifteen thousand, one hundred and forty-one (15,141) liters and transferred to three (3) storage tanks on land with a capacity of eleven thousand, three hundred and fifty-six (11,356) liters each.
4. **Distribution:** Fuel is sold at Lock Pan, Port Kaituma from the land base storage tanks via a diesel pump.
5. **Operation hours:** onshore activities operate from 6 AM to 6 PM.

Section 6: Potential Impacts and Management

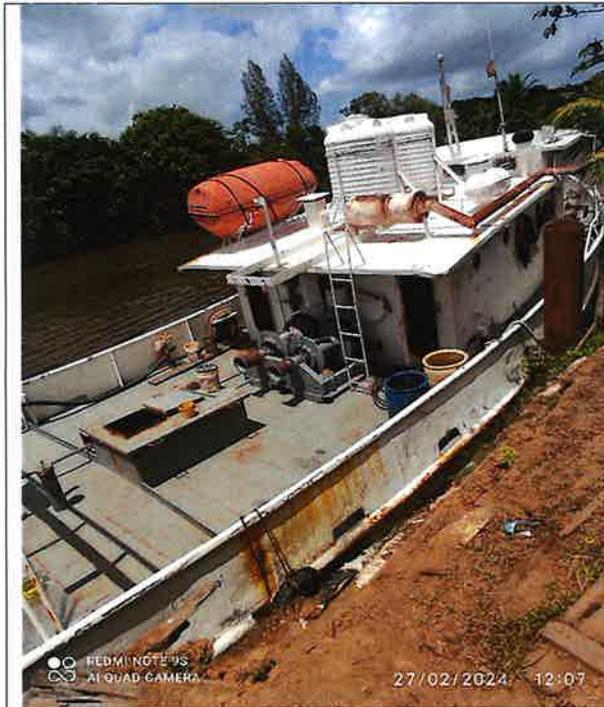
List of impacts

Mitigation Measures

Aspect	Mitigation Measures
Emission to Air: Dust/Particulates	Wet Suppression is done by the logging company Barama.
Emission to Air: Gaseous Emissions	N/A
Noise and Vibration	N/A
Discharge to surface water	Facility will install an oil-water separator to ensure safe discharge into the Kaituma River.

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	Waste oil is given to chain saw operators.
Health and Safety Risk	Employees will be given safety equipment and personal protective equipment while on water and on land. Fire safety will be regularly inspected and tested.

Images of the facility:



Picture 1: showing the vessel



Picture 2: showing the storage tank