

Project Summary

Name of Operation

Alanna Enterprise

Name of Developer/Company

Alanna Housner - Fiffie

Contact details

660-1291

Address of Operation

Puruni Landing, Cuyuni Mazaruni
Region # 7
Date

March 14, 2024

Prepared By

Alanna Housner Fiffie

Introduction (Project Overview)

This facility involves the storage and sales of fuel (diesel and gasoline). Fuel is purchased from facilities in Bartica once per month and transported via trucks to the facility. Fuel is purchased in fifty (50) gal drums and approximately four hundred (400) drums are purchased each month. Fuel (diesel and gasoline) is then transferred to the two (2) onsite metal tanks which has a capacity of eight thousand (8000) and ten thousand (10,000) gals each. Fuel is also stored in drums at the northern side of the facility. Fuel is sold directly from the metal tanks which is fitted with a manual turn valve and also sold by drums.

Description of Project Location - 6.241157, -59.369628



- **Accessibility**

The site can be accessed via the Itaballi main road into Puruni and right of the pontoon crossing.

- **Land Use and Surroundings**

The facility is surrounded by Puruni River to the north, businesses to the east and south and the main road to the west.

- **Safety and Security**

Security is always present on the site.

- **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 has no plans to modify or expand in the future.

Description of Project

Fuel is purchased in bulk from facilities located in Bartica, where it is then transferred via trucks to Puruni Landing, and transferred to two (2) aboveground metal storage tanks with a combined capacity of eighteen thousand (18,000) gals, drums and totes are stored on the northern side of the site. Fuel is then sold to customers via drums and directly from the metal storage tanks via a manual turn valve.

Table 1: Emissions for Air

| No. | Type | Sources |
|-----|---|--|
| 1 | Gaseous pollutants (combustion gases) Generator | Generator 55kw MPMC |
| 2 | Particulate Emissions | The general area is very dusty during the dry season however, 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 taken to the dumpsite. |

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 environment |
| 2 | Sewage | Septic tank |

Table 4: Hazardous Waste

| No. | Type | Treatment/Disposal Methods |
|-----|-------------------------------|---|
| | Off Specification Fuel – none | Not Applicable |
| | Waste Oil | 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:** Aboveground metal storage tanks approximately **eighteen thousand (18,000) gallons** of diesel and gasoline.
- **Storage:** currently the facility stores approximately **thirty eight thousand, (38,000) gallon**, of gasoline and diesel.
- **Workforce:** The business operates with a team of **seven (7) employees**.
- **Investment Capital:** The estimated investment capital for this venture is approximately **twenty (\$20,000,000) million** with a monthly turn-over of **two (\$5,000,000) million**.

Section 5: A non-technical summary of the project

1. **Activity Type:** The main operation involves storage of fuel in aboveground storage tanks for resale purposes.
2. **Method of Conduct:** Fuel is purchased from fuel facilities in Bartica and transported via trucks to the site.
3. **Storage:** The fuel stored in two (2) aboveground metal storage tanks which has a total capacity of eighteen thousand, (18,000) gals and plastic fifty (50) gal drums.

4. **Distribution:** Fuel is sold by drums and directly from the aboveground metal tanks via a manual turn valve.
5. **Operation hours:** the facility 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. |
| 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 environment. |
| 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 Fuel Storage Tanks



Picture 2: showing the storage tank