

Project Summary

Name of Operation

A. Gamell & Son

Name of Developer/Company

Ande Gamell

Contact details

667-3933

Address of Operation

1 Mile, Port Kaituma

Region 1

Date

February 27, 2024

Prepared By

Andoe Gamell

Introduction (Project Overview)

This facility involves the storage and sales of fuel (diesel and gasoline). Fuel is purchased from facilities in Charity or Morawanna once per month via the vessel. Fuel is then transported via the river to Turn Basin Port Kaituma and transported via trucks to the site. Fuel is purchased in fifty (50) gal drums and approximately three hundred (300) drums are purchased each month. Fuel (diesel) is then transferred to the three (3) onsite metal tanks which has a capacity of five thousand (5000) gals each. Gasoline is transferred to one thousand (1000) gal totes which are stored in the storage bond to the east of the property. Fuel is then pumped via diesel pump from the metal aboveground storage tanks and sold to customers. Gasoline is sold by drums.

Description of Project Location - 7.715501, -59.882994



- **Accessibility**

The site can be accessed via the Port Kaituma main road and into 1 Mile.

- **Land Use and Surroundings**

The facility is surrounded by vacant land to the east, west and north with one resident approximately 120m to the south.

- **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 plans to expand within the next five (5) years by installing more tanks.

Description of Project

Fuel is purchased in bulk from facilities located in Charity and Morawanna, where it is then transferred via vessel to Turn Basin, Port Kaituma, transported via trucks to 1 Mile, and transferred to three (3) onshore storage tanks with a capacity of five thousand (5000) gals each additionally, drums and totes are stored within a storage bond. 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) Generator	Generator 60kva Champion
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 **fifteen thousand (15,000) gallons** of diesel.
- **Storage:** currently the facility stores approximately **fifteen thousand, one (15,000) gallon**, of gasoline.
- **Workforce:** The business operates with a team of **six (6) employees**.
- **Investment Capital:** The estimated investment capital for this venture is approximately **eleven (\$11,000,000) million** with a monthly turn-over of **two (\$2,000,000) 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 Morawanna and Charity.
3. **Storage:** The fuel transported via vessel to Turn Basin Port Kaituma and transported via trucks to the facility. Diesel is transferred to three metal storage

tanks which has a total capacity of fifteen thousand, (15,000) gals and gasoline are stored within a storage bond.

4. **Distribution:** Fuel is sold via diesel pump from the aboveground metal tanks or sold by drums.
5. **Operation hours:** onshore activities operate from 6 AM to 6 PM.

Section 6: Potential Impacts and Management

List of impacts

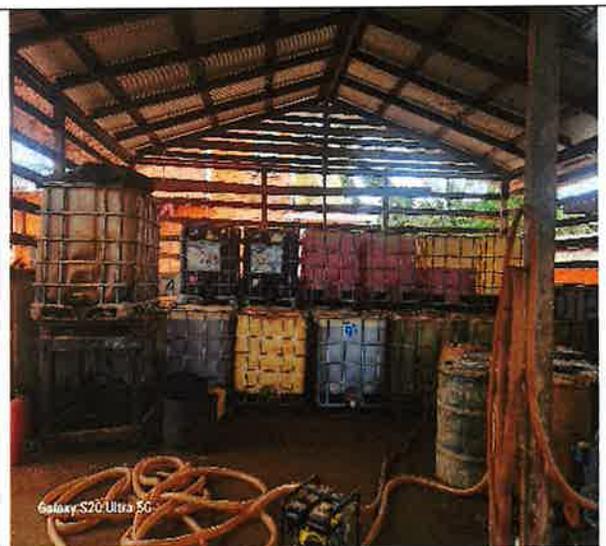
Mitigation Measures

Aspect	Mitigation Measures
Emission to Air: Dust/Particulates	Wet Suppression is done.
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