September 28, 2023

Fuel Storage Project Summary

Jason/

Roger DeFreitas
Cappi Fuel Storage and Transportation (FUEL STORAGE)
September 28, 2023

Cappi Fuel Storage & Transportation of Goods

Developers: Roger Defreitas

Developer Address: 320 Section "B", Block "X" Diamond, East Bank Demerara

Project Name: Cappi Fuel Storage and Transportation of Goods

Project Location: Turn Basin, Region 1

Type of Operation: Fuel Storage Facility.

Date of Commencement: 2018

Business Life Expectancy: Forever

Employees: 4

With the expansion of businesses in Region 1 and the growing demand for fuel, Cappi Fuel Storage and Transportation of Goods has been operating at the location for approximately five (5), the operation comprises of fifty (50) forty five (45) gallons of fuel drums which is use for resale purposes at the location. Fuel along with goods and other materials are transported to the location via the company vessel.

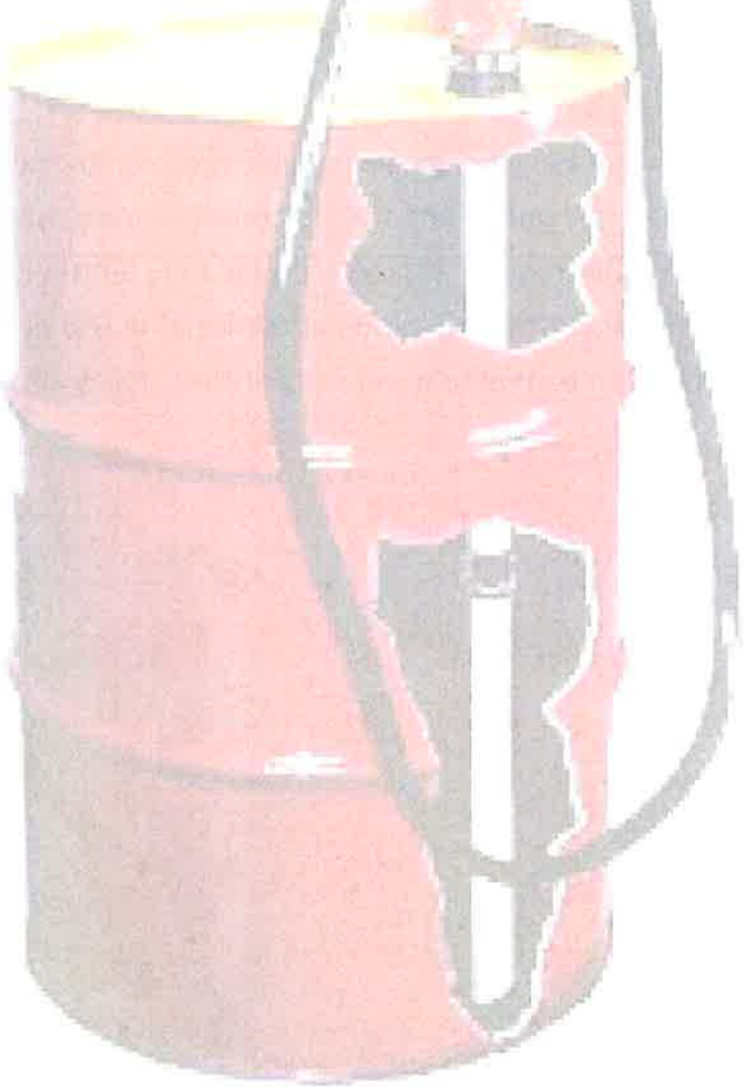
Cappi Fuel Storage & Transportation of Goods

Site Description

The project is located at Turn Basin, Port Kaituma, Region 1. The site measures approximately 40 feet by 30 feet (LXW) dimension. It is surrounded by another Fuel Storage activity to the left of the operation with the access road to the North-Eastern side.

Status of the Project

The facility is currently in its operational phase. Several fuel drums (45 gals) are located on site and are used in the day-to-day activity of the business. Fuels are purchase from Georgetown and transported via a fuel vessel to the location.



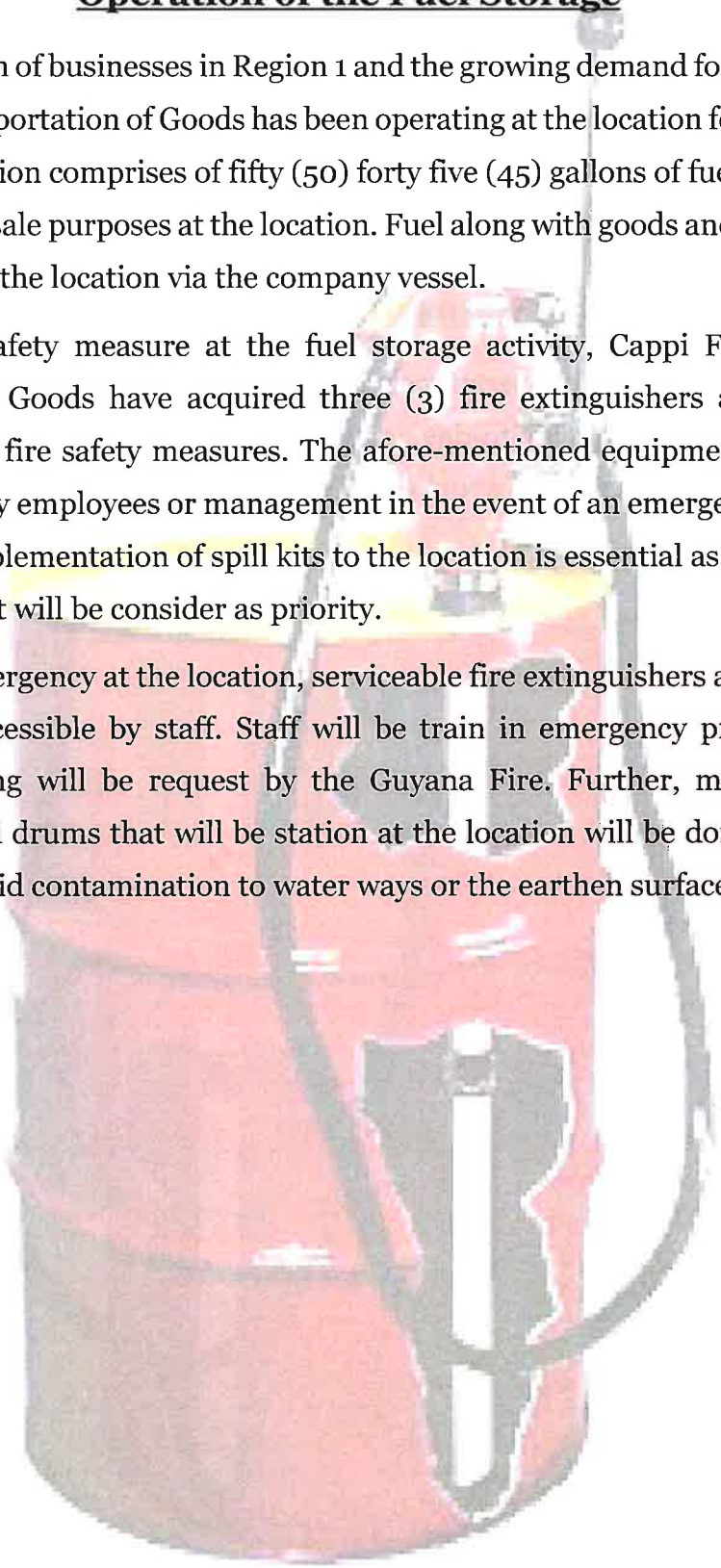
Cappi Fuel Storage & Transportation of Goods

Operation of the Fuel Storage

With the expansion of businesses in Region 1 and the growing demand for fuel, Cappi Fuel Storage and Transportation of Goods has been operating at the location for approximately five (5), the operation comprises of fifty (50) forty five (45) gallons of fuel drums (Diesel) which is use for resale purposes at the location. Fuel along with goods and other materials are transported to the location via the company vessel.

As it relates to safety measure at the fuel storage activity, Cappi Fuel Storage and Transportation of Goods have acquired three (3) fire extinguishers and two (2) fire buckets as part of fire safety measures. The afore-mentioned equipment can be visibly seen and located by employees or management in the event of an emergency. As it relates to spillage, the implementation of spill kits to the location is essential as such purchasing of these equipment will be consider as priority.

In the event of emergency at the location, serviceable fire extinguishers and sand buckets will be readily accessible by staff. Staff will be train in emergency preparedness and firefighting training will be request by the Guyana Fire. Further, monitoring of the dispenser unit and drums that will be station at the location will be done daily to avoid spillage and to avoid contamination to water ways or the earthen surface.

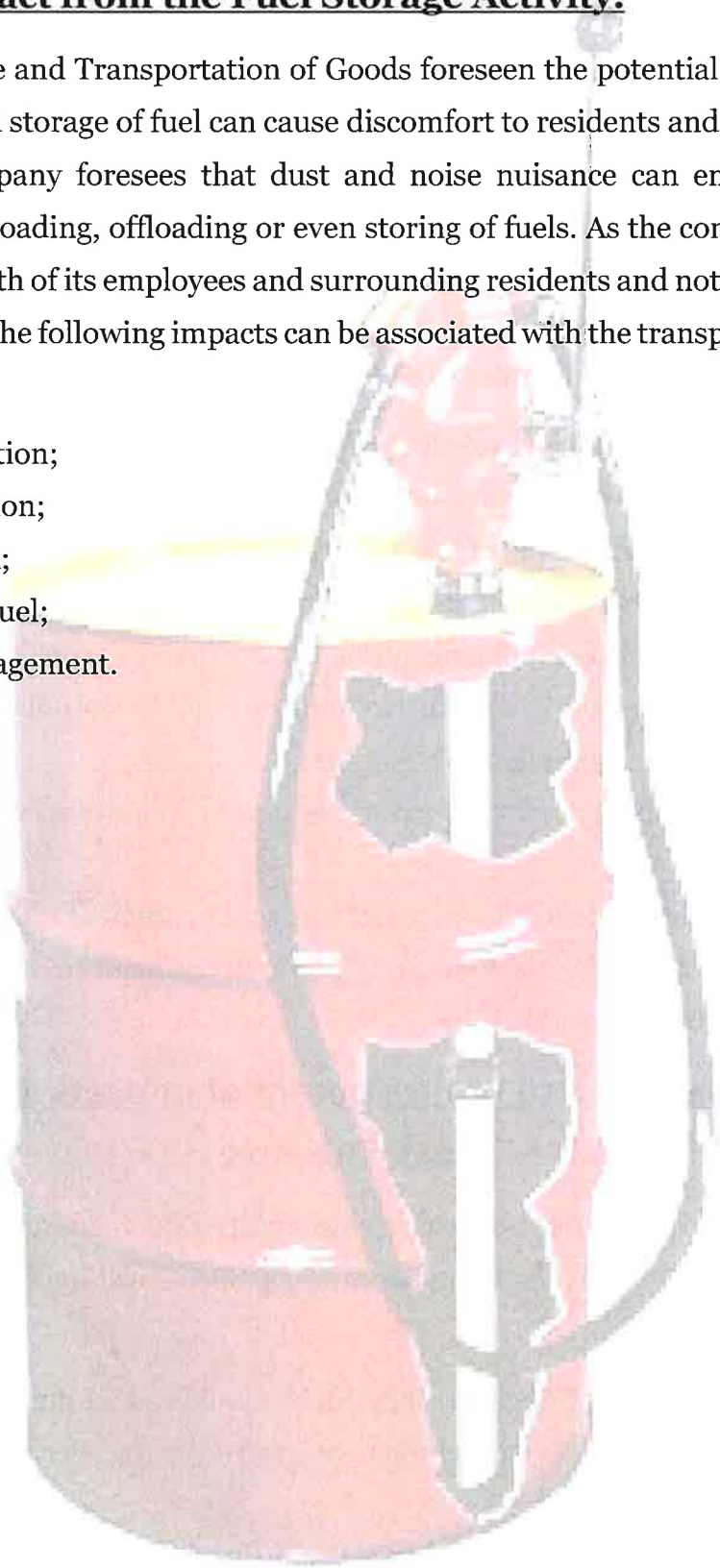


Cappi Fuel Storage & Transportation of Goods

Potential impact from the Fuel Storage Activity.

Cappi Fuel Storage and Transportation of Goods foreseen the potential impact from the transportation and storage of fuel can cause discomfort to residents and even employees. As such, the company foresees that dust and noise nuisance can emanate from the activity, either by loading, offloading or even storing of fuels. As the company strives for the safety and health of its employees and surrounding residents and notwithstanding the afore-mentioned, the following impacts can be associated with the transportation, storage and resale of fuel:

- Noise Pollution;
- Dust Pollution;
- Fire Hazard;
- Spillage of fuel;
- Waste Management.



Cappi Fuel Storage & Transportation of Goods

Below are mitigation measures that will be implemented by Cappi Fuel Storage and Transportation of Goods.

Mitigation measures to reduce potential impacts associated with Noise Nuisance

Noise will be generated from the traversing of vehicle to and from the fuel storage location. Primarily, noise will mostly be generated from heavy duty trucks (bush trucks) and customers/employees. In order to curb this the following will be implemented;

- Signages which will be visible to customers to turn off their vehicles when at the location, since heavy duty trucks tends to generate a lot of noise;
- Offloading and onloading of fuel will generate some amount of noise since several containers of fuels are used at the facility. Management will look at the best way forward in using noise reducing mechanisms to handle such;
- Employing best practices on-site to minimize occupational noise levels and provide noise protection equipment to employees;
- Procuring hearing protection such as earplugs to employees exposed to high noise levels;
- Efforts will be made to ensure machinery and equipment are working efficiently and have installed the manufacturers required muffler devices where practical and service within it prescribe time

Mitigation measures to reduce potential impacts associated with Dust Nuisance

Dust nuisance within Region 1 is constant since most of the roads are not asphalt roads, as such, Cappi Fuel Storage and Transportation of Goods, will implement the following measures:

- During dry periods, the access route will be monitored for dust particles becoming airborne while vehicles and equipment are traversing. Periodic soaking will be done if dust pollution arises;
- Trucks tray are to be covered when transporting fuel to and from the site;

Cappi Fuel Storage & Transportation of Goods

Mitigation measures to reduce potential impacts associated with Spillage of Fuel

Accidental Spillage of fuel may occur at the fuel storage activity during operation from the refueling of vehicle and machinery. In order to prevent spillage, the following measures will be implemented:

- Drip trays will be situated under dispenser unit/pumps to capture any spilt fuel.
- Further, during the operational aspect of the fuel storage activity, in the event of minor spillage, spill kits will be on site to be used and avoid the spilt fuel from spreading to the earthen surface. The absorbent materials will be placed in the garbage receptacle to be disposed by the Town Council;
- Containment area will be constructed to contain the maximum capacity of fuel that is stored on site, that is 110% containment capacity.

Mitigation measures to reduce potential impacts associated with Fire Hazard

With the storage of fuel and improper handling and transporting of fuel, potential of fire can be deemed as a **High Priority.** As such, the following measures will be implemented at the location.

- The use of proper fire suppression tools (Fire Extinguishers and Fire Buckets) is essential around fuel storage;
- Any location used to store fuel should have proper fire extinguishers on hand and readily accessible, these fire extinguishers should be service yearly and in working orders;
- Water suppression system will be implemented as part of a secondary back-up measures if the afore-mentioned fire extinguishers or fire buckets failed to contained the fire.

Cappi Fuel Storage & Transportation of Goods

Power Generation

The facility uses a 6000 watts Champion generator as a main source of power generation at the location. This generator will be relocated to an area where it would produce less noise to employees and surrounding residents/businesses.

Waste Disposal

Since the facility is in operation, minimal waste was observed being generated by customers and employees. However, notwithstanding the afore-mentioned, waste generated by the facility, will be placed in garbage bins located around the fuel store area for the disposal of waste material such as boxes, bottles, plastic, papers etc. the waste would then be removed by Town Council.

Employment

This project currently employed four (4) personnel:

Operational aspect of the facility:

- Manager-1
- Driver-1
- Porter-2