



GLOBAL COMMERCIAL IMPORT AND TRANSPORT INC

Fuel Storage Tanks

Global Commercial Import and Transport Inc.

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GLOBAL COMMERCIAL IMPORT AND TRANSPORT INC

INTRODUCTION

Global Commercial Import and Transport Inc. was incorporated on the 2nd of November 2018, the company provide services such as Import and Sales of petroleum and petroleum products (diesel, HFO, gasoline etc.), Chartering (demise charter, time charter and voyage charter) and Transportation (local and international) we intend to expand our business in the petrol station industry in order to do so we are currently constructing 2 storage tanks to facilitate this venture.

TANKS CHARACTERISTIC

- Both tanks have 32 Ft in height and 30 Ft in diameter
- The storage tanks are cylindrical in shape, perpendicular to the ground with flat a bottom.
- The tanks estimated capacity is 595, 000 liters
- Steel plate of size 8 X 1022 X 5800 mm were used in the construction of the tank.

Storage Location and Existing Building

There is two storage tanks parallel to each other with approximately ten feet (10ft) apart, located to north eastern side of sub lot 24 B Salem Parika Essequibo. Southern to the storage tanks is a building which is utilized as the head office of Global Commercial Import And Transport Inc. and to the immediate east of the storage facility is a residential lot. Fuel line situated on the wharf which is located directly northern to lot 25 A Salem Parika, with the approximate length of six hundred feet (600ft), will be running along the wharf to the storage tanks. On the said wharf the fuel lines will used as the main source of intake for the storage tank from vessels. The storage tanks will then dispense fuel directly to a petrol station located immediately western between the two storage tanks, as well as to a marine petrol station on the wharf.



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Usage of the Storage Facility

Vessels moored for discharge of fuel will connect hose from the cargo tanks to the fuel line located on the wharf. This fuel will then be pump into the fuel tanks from the bottom to avoid fumes from expanding rapidly. In the event of a spillage or burst a curb wall which will be constructed around the storage tanks will prevent the fuel from escaping further. The petrol station located on shore and offshore will at all-time be prepare for an emergency , by have spill kits and firefighting equipment on site at all time. Drainage line from the fuel tanks will go into a drip pond which will then be used as a separator where the fuel will be extracted from and the water will then be disposed.

Capital Investment, project stage and time

The Capital Investment for the project is approximately five million dollars. Fabrication and construction of tanks was outsource. (Dwight Morgan Investment)

Installation of fittings and pipe will take one month and two employee.

Rust out and paint will take two weeks and three persons

Pressure test will take two weeks and three employee

Duration of the Project

The construction phase for building of the tanks took three months and the installation and fittings will take approximately three weeks to be completed.

Environmental Impact

The tanks will release gases which will enter the atmosphere due to diesel being excited when discharged into the tank. Spillage of diesel can cause flora of the surrounding area to die out and cause infertility of the soil. Water ways that is contaminated due to spillage of diesel can affect the marine habitat. Diesel being ignitable, fires can occur during offloading and on loading when protocol aren't followed.



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Preventive Measure/ Method of Reducing Environmental Impact.

In order to prevent the fumes to enter the atmosphere the diesel will pumped into the tanks from below to avoid agitation that release such fumes. In the event of a spillage the curb wall prevent fuel from escaping and effect the environment. Which will then extracted using absorbent rag and tissue. Similarly in the event of an oil spill in water ways, spill kits will be used to remove the oil spill. To prevent any fire hazard, the area around the storage tanks will be deemed a nonsmoking vicinity. Fire extinguisher will be allocated on the wharf as well as in the surrounding area of the storage tanks. A water tank located approximately twenty feet from the storage tanks in the northern direction will be utilized as a reservoir in the event of an emergency to extinguish any fire. A fire hose will be set up at the wharf and pump station in the case of a fire. A fire pump along with hoses will be allocated at the beginning and the middle of the wharf.