



## Mann's Enterprise Gas Station Overview of the Operation.



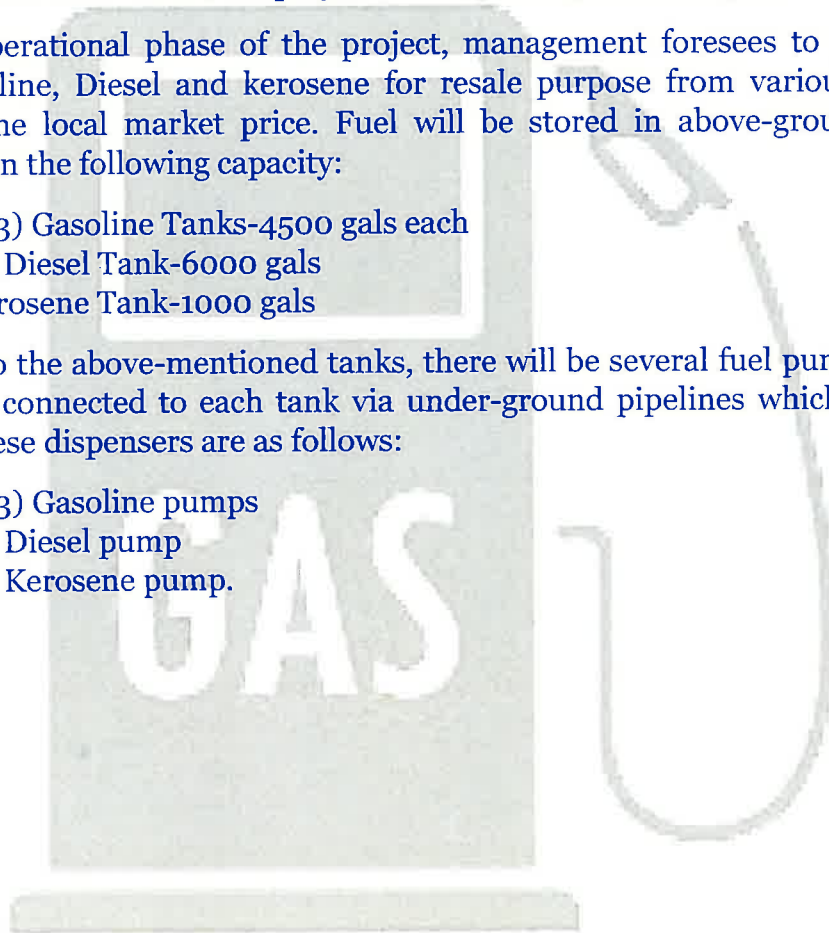
This project is being developed and managed by Mr. Sylvester Mann who resides at Lot 94, Silvertown, Wismar Linden, however, the project site will be located at Track "XX" Wismar Left Bank of the Demerara River, Region 10. Currently, the proposed project site remains vacant, as such Mr. Mann process entails the construction and operation of a Gas station to be located at the address stated above. The project will be carried out in several phases such as land clearing, earthen works, drainage and fencing after which the facility will begin construction of its canopy and the implementation of pumps and several fuel tanks after which, the project will begin it operational phase.

During the operational phase of the project, management foresees to purchase fuels such as, Gasoline, Diesel and kerosene for resale purpose from various suppliers or depends on the local market price. Fuel will be stored in above-ground and below ground tanks in the following capacity:

1. Three (3) Gasoline Tanks-4500 gals each
2. One (1) Diesel Tank-6000 gals
3. One Kerosene Tank-1000 gals

In additions to the above-mentioned tanks, there will be several fuel pumps/dispensers which will be connected to each tank via under-ground pipelines which will be easily accessible. These dispensers are as follows:

1. Three (3) Gasoline pumps
2. One (1) Diesel pump
3. One (1) Kerosene pump.





## Mann's Enterprise Gas Station

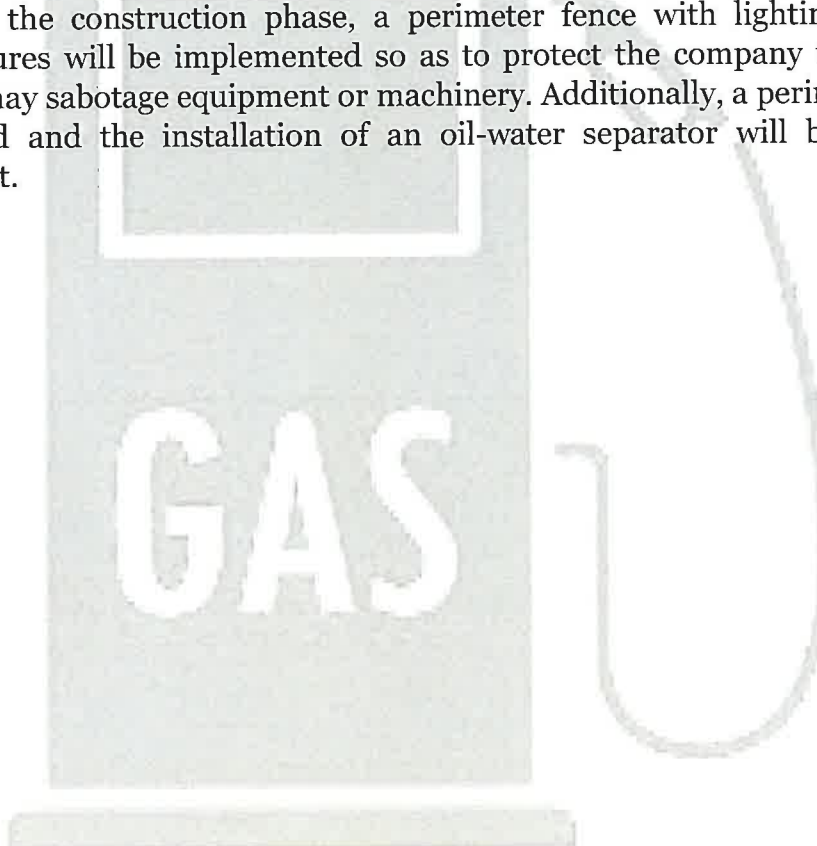


### Site location

The project site is located at Track "XX" Wismar Left Bank of the Demerara River. The proposed site contains an area of 1.1753 acres. It is boarded by three (3) access road, north, south and east.

### Construction of the project

The construction of the facility is expected to commence approximately six (6) months from the issuance of a permit in order to mobilized workers and machinery to the work site. The project is expected to be completed within one year, from the issuance of the permit. The operational aspect of the project is expected to commence immediately after the construction is completed, providing all the equipment and safety measures are in place. During the construction phase, a perimeter fence with lighting fixtures and security measures will be implemented so as to protect the company from unwanted persons who may sabotage equipment or machinery. Additionally, a perimeter drain will be constructed and the installation of an oil-water separator will be place at the discharge point.





## **Mann's Enterprise Gas Station**



### **Management of the propose facility foresees the following effects during Construction.**

During the construction of the Gas Station located at Track "XX" Wismar Left Bank of the Demerara River, Region 10, it is foreseen that the below mentioned environmental effects may occur:

- Noise Pollution from construction and operation;
- Dust Pollution,
- Spillage of fuel.

### **Management will be implementing the follow pollution control measures to mitigate risk to the Environment, Residents and Works.**

#### **Noise Pollution:**

Noise will be generated from the construction of the Gas station and the traversing of machinery and raw material to and from the site. Prefabricated materials will be done offsite to reduce noise; however, welding may be conducted onsite. Further, machinery that would not be in used will be turned off to reduce noise impact to residents. With regards to the operation aspect of the facility, a generator will be onsite in the event of power outage.

#### **Dust Pollution:**

Dust screen will be constructed at the facility during construction process and wetting of the road ways leading to the project site well be done to avoid dust pollution and causing discomfort to nearby residents.

#### **Spillage of fuel and waste material:**

Accidental Spillage of fuel may occur at the facility during construction from the refueling of vehicle and machinery. In order to prevent spillage during construction, drip trays will be situated under fuel lines to capture any spilt fuel. Further, during the operational aspect of the facility, in the event of minor spillage, spill kits will be on site to be used to avoid the spilt fuel from spreading. The absorbent materials will be placed in the garbage receptacle to be disposed by the Town Council. Further during operation of the Gas Station, spill kits will be on site in the event of spillage and the contaminated material will be dispose of as stated above.



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### **Garbage generated by the facility.**

During the construction of the Gas Station, the waste that will be generated by the facility includes but not limited to, wood, metals, galvanized steel plate, concrete, blocks, earth (mud). With regards to the earthen waste (mud) it would be removed and taken to the nearest dumpsite or given to residents for landfilling purposes. Further the aforementioned waste would be place in bins and removed by the Town Council and taken to the dumpsite located in Linden. With respect to the operation aspect of the facility, wastes such as boxes, bottles, plastic, papers would be generated on a daily basis. The afore-mentioned garbage would be place in garbage bins which would be located around the facility and removed weekly by the town council.

### **Operation of the Gas Station**

On the completion of the facility, fuel will be source from various suppliers and transported to the facility using the local trucking service. On arrival at the facility, fuel will be discharge directly via pipelines to the underground and above-ground fuel storage tanks. Fuel will be resale to customers via five (5) dispensers unit located on the forecourt of the Gas station.

As it relates to safety measures of the facility, Fire fight equipment, such as fire buckets and fire extinguishers (and the possibility of a fire suppression system) will be station around the facility as recommended by the Guyana Fire Service.

In the event of emergency at the location, emergency shut off system and serviceable fire extinguishers will be readily accessible by staff. Staff will be train in emergency preparedness and firefighting training will be request by the Linden Guyana Fire Service. further, dispensing equipment inclusive of pipeline will be monitored daily for leakage, however, it should be noted that pipelines would not be run under any building and can be easily accessible for maintenance.



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### **Power Generation**

The facility will be using electricity from Linden Electricity Company for the day-to-day operation of the facility; however, a generator will be on site in the event of power outage. The Generator will be placed in an enclosed room to avoid disturbance to nearby residents. The KVA of the generator is unknown at this time.

### **Measures to be implemented to safeguard the Gas Station.**

Management of Mann's Enterprise Gas Station plans to implement the follow measures to safeguard the Gas Station from possible fire, theft, spillage/leakage of fuel etc. these measures are not limited to other measures which will be provided by the relevant authorities:

- Implementation of several leak detection (dipstick and emergency shut off system);
- Spill kits at strategic locations;
- Fire alarms;
- Security system;
- Fire extinguishers;
- No Smoking Signs.

### **Employment**

The project will be implemented at two (2) stages, such as the construction stage and the operational stage. Below is a breakdown of employment during each phase, however, this is subject to change:

At the construction phase of the project:

- Skilled workers
- Semi-Skilled workers
- Labours

Operational aspect of the facility:

- Manager-1
- Cashier-1
- Pump Attendants-2
- Security Guard-1
- Cleaner-1