

Introduction

Mr. Forbes Sealey intends to establish and operate a Lumber Yard (without processing) at lot 61 Eastendren Mahaicony East Coast Demerara. The lumber yard will supply the village of Mahaicony and surrounding communities with good quality lumber (timber and boughs) of different species (greenheart, kabakall, mora, purple heart, etc.). These lumber will be sourced from sawmills located in Mahaicony and along the East Bank of Demerara, and transported to the site via the tracks.

Forbes Sealey Lumber Yard

(Without Processing)

will be stocked. Employees will be employed at the facility. Employees will be provided with PPE (such as safety boots, helmets, gloves, etc.) and work from Monday to Saturday, 8:00 hrs. - 16:00 hrs. Power will be provided by Guyana Power and Light (GPL).

The project is for the protection of the environment, workers, and the community. It is in compliance with Guyana's relevant Environmental, Health and Safety regulations. The proposed operation. He further dedicate himself to ensuring that any impacts resulting from the project's operations are either avoided, minimized, or compensated. Pollution prevention, environmental best practices, and the use of highly effective environmental management systems are expected to be conducted at the site will, be done in a safe and sound manner to protect human health.

PROJECT

SUMMARY

Prepared By: DavEsco Consultancy Services

Prepared for: Mr. Forbes Sealey

Date: August, 2023

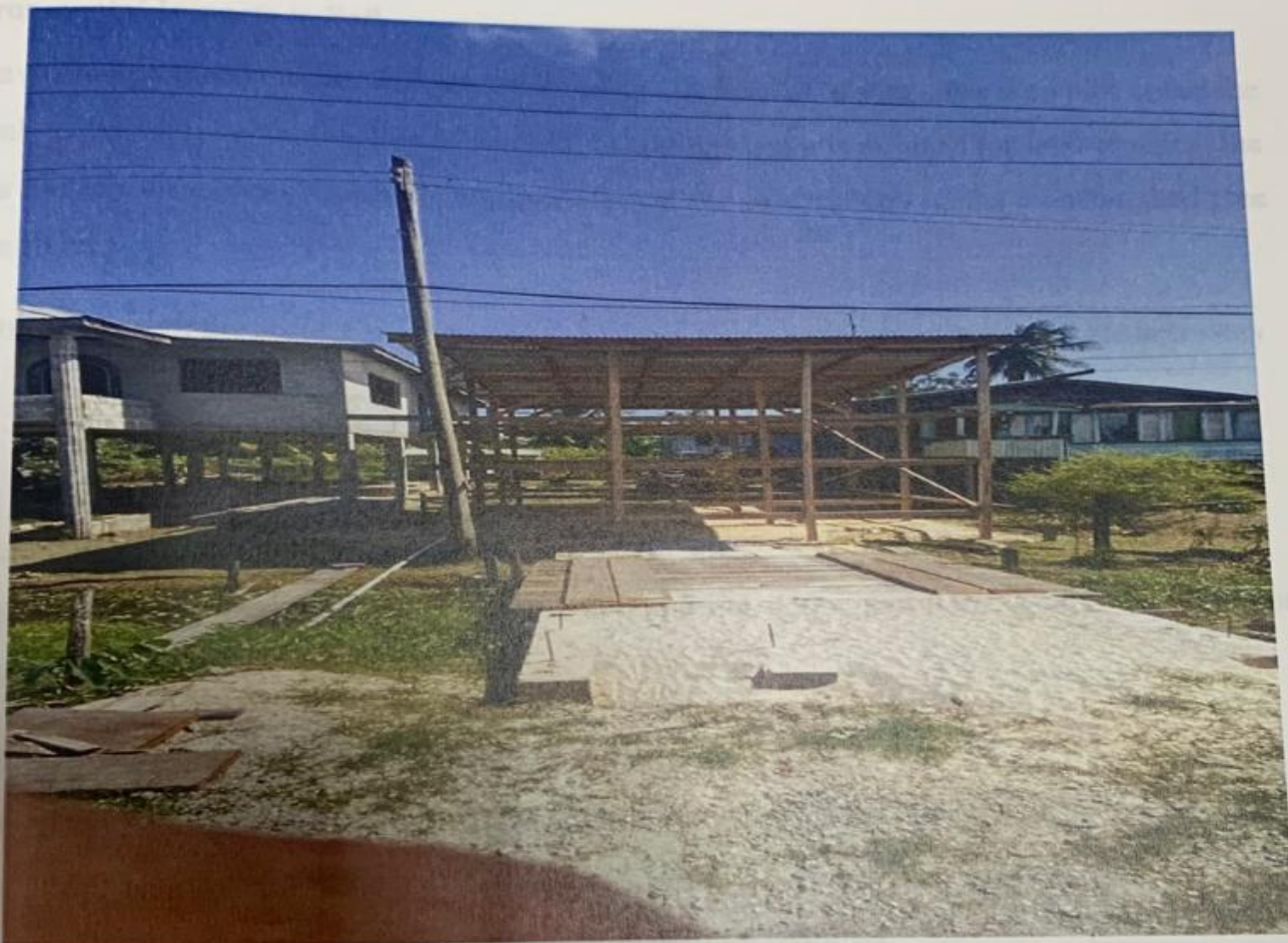
Introduction

Mr. Forbes Sealey intends to establish and operate a Lumber Yard (without processing) at lot 61 Zeskerdren Mahaicony East Coast Demerara. The lumber yard will supply the village of Mahaicony and surrounding communities with good quality lumber (dress and rough) of different species (greenheart, kabakali, mora, purple heart, etc.). These lumber will be sourced from sawmills located in Mahaicony and along the East Bank of Demerara, and transported to the site via trucks. The lumber will be offloaded from the trucks and neatly packed on a wooden rack manually. At any given time the Lumber Yard will be stocked with approximately 15,000 BM of dress and rough lumber. Three (3) persons will be employed at the facility. Employees will be provided with Personal Protective Equipment (PPE) such as safety boots, helmets, gloves, visibility vest, etc. Employees will be required to work from Monday to Saturday, 8:00 hrs. - 16:00 hrs. The main source of energy at the site will be provided by Guyana Power and Light (GPL)

Mr. Sealey gives great importance and prioritizes the protection of the environment, workers, and public health while correctly incorporating all of Guyana's relevant Environmental, Health and Safety regulations and requirements into his proposed operation. He further dedicate himself towards ensuring that the environmental impacts resulting from the project's operations are either prevented or minimized through the use of pollution prevention, environmental best practices, relevant technology and in general the promotion of highly effective environmental management and sustainability. Thus, the activities expected to be conducted at the site will be done in a safe way, protecting the environment and human health.

Description of Project Area

As mentioned earlier the lumber yard will be established on a transported property, located at Lot 61 Zes Kinderen, in the Woodlands-Farm Local Government District, situated on the east coast of the County of Demerara. A simple wooden shed (20 x 25) occupying a total land area of approximately five hundred (500) square feet was constructed to store the lumber to be sold. Within the same property there are two residential houses, one occupied and the other is yet to be occupied.



Picture showing the location of the storage area for the lumber.

The general surrounding of the general site are as follows:

- Immediately North – Access Road
- immediately South - Empty Lot
- Immediately East -Resident
- Immediately west - Street.

Environmental Considerations during Operation

Soil

The project site is within the Coastal Plain region that is relatively flat with deep, well drained sandy loams to sandy clays soil.

Environmental Impacts to Soil

It is envisioned that the operation will have little to no disturbance of soil, since activities at the site will only entail buying and selling of lumber. In addition there is no need for land clearing, the land is already cleared to accommodate housing and the construction of the wooden shed (see picture above).

Impacts to soil from the project are expected to be none, thus no mitigation measures are necessary.

Water Quality/Drainage

The site is drained by perimeter drains surrounding the site. These perimeter drains will allow for the flow of storm water.

Environmental Impacts to Water Quality/Drainage

The operation of the Lumber Yard will not require the use of water, thus no waste water will be generated or discharged from the site. Impacts of the project to surrounding water quality can be considered to be none, thus no mitigation measures will be required.

Air Quality and Noise

Due to the nature of the operation, during the transportation, loading and offloading of lumber small amounts of fugitive dust are expected to be emitted. During these activities it is also expected that noise will be emitted at the site.

Environmental Impacts to Air Quality and Noise

Fugitive dust along with noise will be emitted from the operation during transporting, loading and offloading of lumber. Since there are no residents within close proximity to the site, it is anticipated that workers within the site will be affected by the noise and dust emissions.

These impacts are expected to be low and short term.

Conclusion

Mitigation Measures

First and foremost workers will be required to wear appropriate Personal Protective Equipment (PPE) while working in dust conditions. Dust emissions will be mitigated by ensuring that operations within the facility comply with the decibel limits outlined in the GNBS Noise Emission Standard, which are 75db during the day. There will be no activities at the site during the nights. Vehicles and machinery at the site will be used according the manufacture's specifications, to minimize combustion emissions.

Waste Management

During the daily operation of the Lumber Yard (without processing) the main type of waste that will be generated is solid waste. Inclusive of office waste (paper and cardboard), domestic waste (food boxes, plastic bottles tins, cans etc.). Collection bins will be placed at strategic location throughout the Lumber Yard to be used by workers and customers and when filled will be collect by a Disposal Service once per week within the area, and taken at an approved dump site.

It is expected that small amounts of Wood Waste may also be generated – inclusive of wood ends, wood chips. Wood ends and wood chips will be given to persons to be used as fire wood and building materials.

PROJECT SUMMARY FOR MR. FORBES SEALEY (LUMBER YARD – WITHOUT PROCESSING)

Sewage will be disposed of in septic tanks constructed in accordance with GNBS Code of Practice for the Design and Construction of Septic Tanks and Associated Secondary Treatment and Disposal System.

Conclusion

The proposed project or activity basically entails the stacking and selling of lumber to the surrounding area. The purpose of this initiative is to better meet the needs of customers looking for rough or dress lumber.

Environmental mitigation measures will be put in place to further minimize the low impacts expected. Thus resulting in little to no environmental impacts from the operation of the Lumber Yard.

The owner (Mr. Forbes Sealey) is also very committed to working towards full compliance with the Environmental Protection Agency.