

BUSINESS NAME: N.S BACCHUS SAWMILL

ADDRESS: LOT 2 ROTTERDAM VILLAGE

EAST BANK BERBICE

NAME: AMEER BACCHUS

TEL: 745 - 9598

DATE PREPARED: JANUARY 21, 2025

PREPARED BY: AMEER BACCHUS

Ameer Niron Bacchus, 2025-01-30

Description

N.S Sawmill is located at lot 2, Rotterdam Village East Bank Berbice. Within the spatial boundary are the Berbice River on the northern half which is approximately 7 meters away, Residential buildings on the eastern and western half which are approximately 2 meters away and the East Bank access road and vacant land on the southern half approximately 9 meters and 20 meters away. Accessing the sawmill can be done by boat using the Berbice River or using the East Bank Access Road. Further, the sawmill has not been in operation for the past few years. However, the operation is expected to begin in February 2025.



Map showing the sawmill and its immediate surroundings.

Project Design

The construction phase of the sawmill has been completed since the 90s. However, the operation of the sawmill has paused since 2021 and is expected to begin operation in February 2025.

➤ Operational Phase

The daily operation of the sawmill will be carried out by eighteen (18) employees who will be working from Monday to Friday from 08:00 am to 5:00 pm. For the processing of the logs, the logs are transported from the logging concessions Bce 09/24, Bce 10/24, and Bce 20/08 by punts through the Berbice River and offloaded at the waterfront at the sawmill. The logs are removed from the waterfront using an electronic hydraulic to be processed into different-sized lumber. The process lumber is then sold to persons desirous and local lumber yards. Some of the equipment used to process the logs into lumber are gang saw, circle saw, edger, and planer.

- **Utilities:** The sawmill is powered by Guyana Power and Light (GPL) and a 100 kVa Perkins generator. Water is supplied by Guyana Water Incorporation (GWI).
- **Waste Management:** Domestic waste from employees is stored in garbage bins and disposed of by the NDC, wood scraps are distributed to the New Amsterdam Prison for firewood, and sawdust is stored within a portable dust extractor system and is distributed to farmers desirous.

Project Size

An average of 45 million was invested in the operation of the sawmill, there will be a total of eighteen (18) employees carrying out the daily tasks. The rate of production of the sawmill will be 5000 bm of wood per day.

Non-Technical Explanation

N.S. Bacchus Sawmill is located in Rotterdam Village, East Bank, Berbice. The sawmill will be in operation six (6) days per week by 18 employees. The operation includes

processing logs into different-sized lumber that are transported from the concession. The processed lumber will then be sold to persons desirous and local lumber yards.

The duration of the project

The sawmill is expected to be in operation for the next thirty (30) years.

Potential Effects on the Environment and Mitigation Measures

- **Water** – There will be no discharges of pollutants into the waterways. The machineries used are located away from the Berbice River, they are situated within a semi-enclosed area and are placed on foundations. Fuel will be purchased as required, However, waste oil produced will be stored within 45-gallon barrels and reused as a lubricant.
- **Air** – There will be emissions from using the generator and machinery. The dust generated will be channelled into a portable extraction system and distributed to farmers. Also, there is a tarpaulin that is placed on the western half of the sawmill to prevent dust from escaping through the creases and reduce the risk of affecting the residents. The generator will be regularly maintained and is situated in a generator is semi-enclosed structure. The generator will only be in operation during a power outage. The other machinery will not be simultaneously used. They will be used according to the type of processing required for the lumber and will power off immediately after. This will aid in reducing the noise level at the sawmill.
- **Soil/land** – There is potential for waste oil spills during maintenance of the generator and the machines. However, all maintenance work will be conducted on a foundation to prevent cross-contamination. Any waste oil spills will be cleaned using appropriate materials and appropriately disposed of.