



LOGGING AND SAWMILL

PROJECT SUMMARY



JANUARY 29, 2025

REGION 10 FOREST PRODUCERS' ASSOCIATION: BCE 05/10

SFA: Bce 05/10

Project Location and Description

Mr. Bynoe have been in the sawmilling sector over ten (10) years the objective of this sawmill and logging concession is to produce quality timber squares to local citizens. The existing project site is located at Right Bank Berbice River SFA BCE 05/10, Having approximately UTM geographic coordinates of 03 70 224 E, 05 19 663 N; This project activity is to undertake logging and the operation of a portable sawmill (Luca's mill) at the above-mentioned location, this area has an approximate size of 8,091 ha (19,992 acres) which was issued by the Guyana Forestry Commission on 19th February, 2024. To date the capital investment is approximately Six (6) million Guyana dollar and an estimated annual turnover of three (3) million Guyana dollars.

Operational phase

Approximately 15,000 bm of lumber per month are processed at the sawmill. The processing of these lumbers is done with the use of the following equipment:

One (1) locust mill, ~~six (6)~~, one skidder, one (1) tractor and one (1) loader.

Utilities such as water and electricity will be provided by a nearby creek in the area and electricity will be provided by solar energy.

Six (6) people are employed to work daily at the concession. Working hours are from 8:00 hr to 17:00 hr, Monday to Saturday. All loading and offloading of logs and lumber occurs during the working hours. Personal Protective Equipment (PPE) provided to the workers is gloves, visibility vests, helmets, goggles and steel tip boots.

Fire extinguishers and sand buckets are placed at strategic points of the operation and a "No Smoking" sign will be placed in a contiguous area.

Environmental Effects

The following environmental effects may be generated from the operation of the sawmill:

Noise Nuisance

The source of noise will be from the operation of the equipment, and machinery and may disturb the wildlife habitat. The equipment and machinery will be worked during working hours and serviced according to manufacturer's specifications.

Fire

The source of the fire may be as result of an arson or the carelessness of workers who may smoke onsite.

Vibration

Vibrations generated from the use of the equipment and heavy-duty machinery.

Particulate Matter (dust)

It is expected that dust will be emitted from the equipment such as the mill.

Mitigation Measures

Noise Nuisance

All our sound making devices' mills are equipped with silencers or mufflers to reduce the noise level to add to that our equipment purchased is the new models so the noise levels generated are not significant as compared to the old models. The equipment and machinery will be worked during working hours. These will be serviced and maintained according to manufacturer's specifications. Blades will be checked and replaced with sharp ones. Workers will be provided with appropriate Personal Protective Equipment (PPE).

Fire

Fire extinguishers and sand buckets are placed at strategic points within the sawmill so in case there is a fire emergency then the firefighting equipment can be used. Staffers are trained in the use of the fire extinguishers. The electrical circuits and points will be checked regularly.

Vibration

The equipment is placed on concrete foundation to dampen the vibrations and loader will be working only when the need arises that is to 'feed' the mill with logs. The equipment and machinery will be worked during working hours and serviced according to manufacturer's specifications.

Particulate Matter (dust) and mitigation measures

Sawdust generated by the mill are removed from the mill floor by a worker. The employees are given appropriate PPE to protect themselves from dust. The mill floor will be wet from time to time to keep down the dust particles it is important to note that this area is within a forested area so there is no resident living nearby.

Waste Generation

Solid Waste Management

Domestic waste such as food boxes, beverage containers, etc. are collected in garbage receptacle and emptied in solid waste pit that is located 150meters away from the campsite.

Wood waste such as sawdust are collected from the mill floor in a timely and dispose of in the solid waste pit, shavings wood ends, slabs/barks and wood chips etc. are reused as landfill and other revetment works around the site.

Effluent

Grey and sewage water produced by workers and customers; as such, the effluent will be discharged into a pit latrine which is located 100 meters away from the camp site and water source.

Hazardous Waste

Waste oil of approximately 5-7 gallons are generated from the servicing of the tractor, loader and skidder. The waste oil will be stored in tightly covered 5-gallon plastic pails to avoid spillage and they are kept in the mechanic workshop. The waste oil would usually be reused on the chainsaw.

Fuel stored on site

Fuel such as diesel are stored in 45-gallon drum and also gasoline is stored in 45-gallon drum as well. These fuels are stored in designated area within the SFA located approximately 200 meters away from creeks and other water ways.

Prepared by:

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