

Project Summary

The project activity is to undertake logging within State Forest Authorisation (SFA) No: **NWD 05/18 (Area A) and NWD 01/20 (Area B)**, of an approximate area of 6,171 and 8, 073 Hectares respectively which was issued by the Guyana Forestry Commission.

Logs will be harvested based on the stipulated measures set out in the Guidelines for Forest Operations, 2018 by GFC. Approximately five (05) persons or there around will be employed to carry out various operational tasks as it relates to the logging of the forest concession.

At the initial stages of the operation temporary camps will be established within the concession to house the employees. Toilet facility entailed one (1) Pit Latrine. Camp sites will be of the following dimensions 20 ft L by 20 ft W by 10 ft H.

Working hours will be from 8:00 to 4:00 from Monday to Friday. Based on the nature of the operation it is anticipated that some amount of works will be carried out on some weekends in order to fulfillment of orders.

In anticipation of the level of production that may originate from the location the following equipment are expected to be on site. These equipment will be used to support the operations in the concession inclusive of:

- Chainsaws,
- Skidder
- Log truck with trailer
- Bulldozer
- Tractor
- Emergency vehicle (pick-up)
- Generator



In the case of potable water for drinking and domestic purposes this will be sourced from creeks that are untampered from any anthropogenic activities occurring within the concession and also from time-to-time drinking water is purchase and transported to the concession.

Waste oil generated from the servicing of the above listed equipment will be conducted onsite but major repairs will be conducted offsite. Further, the waste oil that is generated from the servicing of equipment will be reused on the chainsaws as a form of lubricant. Additionally, waste oil that will be generated will be stored in the 5 gallon tightly closed plastic pail, in a designated area within the concession.

Personal Protective Equipment (PPE) will be provided to all employees inclusive of long boots, helmets, gloves and visibility vest. Additionally, a first aid and snake bit kits will be present on site at all time.

Domestic waste inclusive of plastics bottle, food scraps, etc. is placed in solid waste

pit located approximately three hundred (300) metres away from Creeks within the concession. Wood waste inclusive of branches, wood skins, wood ends, etc. will be used as land filled materials throughout the concession and the remainder will be stored in designated areas within the concession.

Some main **species of logs** that will be harvest from the concession is inclusive of Washiba, Kerati, Kabakalli, Purpleheart, Greenheart, wamara etc.

Fuel will be stored on site; fuel inclusive of 3–45-gallon drum of diesel and 1–45-gallon drum of gasoline and kept in a designated area located at the camp site. The drums with the respective fuel will be tightly covered to avoid any spillage or accidental release.

Environmental Effects

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

- Dust- movement of small particles when there are strong winds and dry weather during construction and operation of the haul roads. There will also be impact of dust on the surrounding vegetation as such reducing the photosynthesis ability of plants found in immediate vicinity of the road. Further, dust may also impact the biodiversity of the area causing changes in the species composition, feeding habits etc at the area.
- Noise Pollution - Noise will be emitted from the use of heavy-duty machinery and equipment such as excavators, generators which may affect persons working on site especially if they are not equipped with ear muffs during the construction phase of the project. Noise will also have an impact of the biodiversity of the area that may result in changes in the feeding, mating and nesting dynamic in the area too.
- Soil degradation- Removal of vegetation will cause exposure of the soil to the elements of the weather that will lead to erosion and thus increase sedimentation load in water ways. There is also soil compaction, changes in the percolation, increase runoff and may affect rooting ability of plants/vegetation.
- Water pollution/sedimentation - the neighbouring water body may be polluted by accidental discharges or from storm water run-off of oil, grease and other contaminants produced from the operation.
- Loss of Biodiversity and the destruction and degradation of habitats: would occur as a result of the clearing of vegetation in order to expose the rock face.