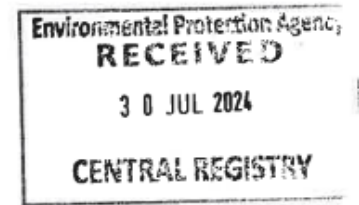


Jeffers Construction Project summary- NWD 07/24 Logging and Sawmilling  
Operation



Name of Developer: Malisa Jeffers

Developer's Address: 11 PALMER STREET, LA-GRANGE, WEST BANK  
DEMERARA

Contact Details: 619-9777, Malisajeffers592@gmail.com

Business Name: Jeffers Construction

Project Location: SFA NWD 07/24, RIGHT BANK TUKWAI CREEK, LEFT  
BANK WHANAMAPARU CREEK

Sector of Operation: Forestry

Project Type: Logging and operation of a portable sawmill

Capital Investment: Approx. Guy Dollars 15 million

Annual Turnover: Approx. 45 Million Guyana Dollars

Project Duration: Approx. 5 years

Submitted by: Malisa Jeffers

Date: 2024-07-26



### **Project size and duration**

Approximately ten (10) person are employed to carry out various operational tasks as they relate to the logging and sawmilling activities and these include chainsaw operators, choker-men, tractor driver, etc. The expected lifetime of the logging and sawmilling operations is dependent on the renewal of the SFA Agreement by GFC. This SFA Agreement expired on December 31, 20261.

### **Site Description**

The logging and sawmilling operations is conducted within State Forest Authorizations (SFA) No: NWD 07/24 and located at the aforementioned project address. According to the SFA Agreement issued by GFC, the total land area is 8086 hectares (19981 acres).

### **Project Size and Duration**

Approximately ten (10) people are employed to carry out various operational tasks related to the logging and sawmilling activities. These roles include chainsaw operators, choker-men, and tractor drivers. The duration of the logging and sawmilling operations is dependent on the renewal of the State Forest Authorization (SFA) Agreement by the Guyana Forestry Commission (GFC). The current SFA Agreement is set to expire on December 31, 2026.

### **Site Description**

The logging and sawmilling operations are conducted within State Forest Authorizations (SFA) No: NWD 07/24, located at the project address. According to the SFA Agreement issued by the GFC, the total land area is 8,086 hectares (19,981 acres).

### **Project Operation**

The project activity involves logging and sawmilling operations within SFA NWD 07/24, commencing in October 2024. Logs are harvested following the Guidelines for Forest Operations (2018) set by the GFC. A tree spotter, typically one of the chainsaw operators, selects the logs. There are approximately two (2) chainsaw operators, a choker-man assisting them, and a tractor driver. Logs are harvested based on tags issued by the GFC, with a stipulated quota in the SFA Agreement of 5,458.05 m<sup>3</sup> for 30 months. Some species harvested include Purple-heart, Greenheart, Washiba, Kabukalli, Shibidan, and Kerati etc.

Two (2) tarpaulin camps measuring 20 ft L by 18 ft W by 9 ft H are established within the concession to house the ten (10) workers. Solar lights are used at night, supplemented by a small generator. The toilet facility consists of one (1) pit latrine. Working hours are from 8:00 AM to 4:00 PM, Monday to Saturday, with occasional weekend work to fulfill orders. Water for



drinking and domestic purposes is sourced from a nearby creek and rainwater is also collected for drinking.

Personal Protective Equipment (PPE) provided to all employees includes long boots, helmets, gloves, and visibility vests. Additionally, a first aid and snake bite kit are present on site at all times.

## **Environmental Impacts and Mitigation Measures**

### **Environmental Impacts**

#### **1. Noise Emissions**

- o Noise from chainsaws, milling operations, and tractors.

#### **2. Particulate Matter (Dust)**

- o Sawdust emitted during log harvesting and milling.
- o Dust generated by vehicles traveling on trails during dry weather.

#### **3. Hazardous Materials/Waste**

- o Improper storage can lead to accidental spills or soil pollution.

#### **4. Fire**

- o Flammable substances like gas and diesel stored on-site pose a fire risk.

#### **5. Water Quality Impacts**

- o Increased sedimentation in rivers and streams due to tree removal and soil disturbance.

#### **6. Habitat Loss and Fragmentation**

- o Destruction and fragmentation of habitats affecting biodiversity.

#### **7. Soil Erosion and Degradation**

- o Disturbance of forest soils leading to erosion and reduced fertility.

#### **8. Carbon Dioxide Emissions and Climate Change**

- o Logging increases CO<sub>2</sub> emissions by reducing tree cover.



9. **Solid Waste**

- o Domestic waste and sawdust generated by workers.

10. **Cumulative Impacts**

- o Combined impact from multiple small-scale logging concessions in the area.

**Mitigation Measures**

1. **Noise Emission**

- o Equipment is serviced monthly to reduce noise and emissions.
- o Workers are provided with hearing protection.

2. **Particulate Matter (Dust)**

- o Speed limits (30 km/hr) are adhered to during dry weather.
- o PPE such as dust masks, long boots, visibility vests, hard hats, and gloves are provided.
- o Selective logging techniques minimize dust emissions.

3. **Hazardous Materials/Waste**

- o Fuel is stored in tightly covered drums in a designated area.
- o Waste oil is reused and stored properly.

4. **Fire**

- o Weekly fire safety briefings and a 'No Smoking' policy near fuel storage.
- o Fire extinguishers and sand buckets are readily accessible.

5. **Water Quality Impacts**

- o Buffer zones are maintained along water bodies to prevent soil erosion and protect water quality.

6. **Habitat Loss and Fragmentation**

- o Reduced Impact Logging (RIL) techniques are used to conserve ecosystems and biodiversity.



## **7. Soil Erosion and Degradation**

- o Logs are harvested according to SFA Agreement conditions and GFC guidelines.
- o Vegetative cover is maintained to prevent soil displacement.

## **8. Carbon Dioxide Emissions and Climate Change**

- o Selective logging preserves the majority of the forest, reducing CO2 emissions and maintaining soil integrity.

## **9. Solid Waste**

- o Garbage is collected and disposed of in a solid waste pit.
- o Sawdust and wood ends are left to decompose naturally.

## **10. Cumulative Impacts**

- o Concessionaires adhere to GFC's Code of Practices and regulations to ensure sustainable logging and environmental protection.

**Prepared by :** *Malisa Jeffers*  
2024/07/26