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# WILLIAMS WOOD PRODUCTS

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PROJECT SUMMARY



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LEFT BANK OF THE WAINI RIVER

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## **Project Location and Description**

There is an existing sawmill onsite which is operated by Mr. Williams who have been in the sawmilling sector over ten (10) years the objective of this sawmill is to produce quality timber squares to local citizens. The sawmill aims to produce sawn timber at a reduced price. This sawmill facility is located at the left bank of the Waini River.

### **Operational phase**

It is expected that approximately 20,000 m<sup>3</sup> of logs per month will be processed at the sawmill. The sawmill will start off with one (1) Lt 15 woodmizer mill, one (1) moulder, one (1) chainsaw and one 140 kva generator. Dressed and rough lumber will be produced such as Tatabu, Torinario, Karatie, Silverballi, Dukalie, Purpleheart, Greenheart, and other lumber species will be processed onsite. Logs will be sourced from nearby Village concession etc.

Utilities such as water and electricity will be provided by a nearby creek in the area and electricity will be provided by a generator on site.

Nine (9) people will be employed to work daily at the sawmill. Working hours will be 8:00 hr to 17:00 hr, Monday to Saturday. All loading and offloading of logs and lumber will occur 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 residents living nearby. 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 results of defective electrical equipment such as loose wiring, overload sockets, etc. or 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 edger and mill.

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## **Mitigation Measures**

### **Noise Nuisance**

All our sound making devices' generators and mills are enclosed in structures constructed with materials of good noise insulation properties such as hollow concrete blocks, insulation boards, solid clay bricks and will be 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 will not be 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 will be trained in the use of the fire extinguishers. The electrical circuits and points will be checked regularly.

### **Vibration**

The equipment are 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 and edger will be removed from the mill floor by a worker. The employees will be given appropriate PPE to protect themselves from dust. The mill floor will be wet from time to time to keep down the dust particles.

## **Waste Generation**

### **Solid Waste Management**

Domestic waste such as food boxes, beverage containers, etc. will be collected in a covered garbage receptacle and will be emptied once weekly by the council.

Wood waste such as sawdust will be collected/bagged from the mill floor in a timely), shavings wood ends, slabs/barks and wood chips etc. will be used as landfill and other revetment works around the site, wood waste will also be given to person in the charcoal business, poultry farmers and other interested persons around Moruca.

### **Effluent**

Grey and sewage water produced by workers and customers; as such, the effluent will be discharged into the septic tank to be treated anaerobically. The septic tank will be accessible for cleaning and will be emptied when full by a private Waste Disposal Service.

**Hazardous Waste**

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

Prepared by: B. Williams  
(Owner)

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