



**PURCHASED FUEL HOGGING  
OPERATIONS (EU1128)  
MALFUNCTION ABATEMENT PLAN**

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## **INTRODUCTION**

This Malfunction Abatement Plan (MAP) identifies practices the Verso Paper Corp. Quinnesec mill follows to ensure that the Purchased Fuel Hogging Operations (EU1128) operates in accordance with the mill's Permit to Install No. 100-10, Special Condition III. 2.

### Process Description:

The Purchased Fuel Hogging Operations system is used to receive incoming hog fuel delivered in trucks. The hog fuel trucks are tilted up on a platform dumper to enable the hog fuel to discharge into a hopper. The hog fuel is then sent to the purchased hog fuel conveyor where it is transferred to the purchased hog fuel building for processing. The acceptable sized material is conveyed to the transfer building, where it mixes with internal processed bark and is conveyed to the hog fuel storage pile. From the hog fuel storage pile the hog fuel is reclaimed and conveyed to the Waste Fuel Boiler (EU1121) to be used as fuel.

The purchased hog fuel building is equipped with a dust collection system that includes a high efficiency fabric filter. All of the chute work, screens, and the hogging systems located in the building are sealed for dust control. There are also pickup points and piping in various places to reduce positive pressure on the system, and to collect dust at key areas. The conveyors entering and leaving the building are covered to contain dust.

The collected material drops to the bottom of the dust collection system goes through a rotary air lock feeder to maintain the negative pressure in the collector bag house. This collected material is discharged onto the purchased fuel transfer conveyor. Dust particles are filtered out by high efficiency fabric bags contained in the dust collector body. The dust collector filter system is self-cleaning as controllable pulses of compressed air blow the accumulated wood dust off of the bags. The dust collector fabric filter system includes a leak detection system to insure that the bags are operating at optimum efficiency.

## **PREVENTATIVE MAINTENANCE**

To maintain environmentally sound operation of the dust collector bag filters, an ongoing preventative maintenance program is essential. The preventative maintenance program for Verso Quinnesec Mill dust collector is presented here.

### **Responsible Personnel**

The supervisory personnel responsible for overseeing the inspections, maintenance and repair of the air cleaning devices are:

- Wood Yard Operations Manager
- Operations and Maintenance Coordinator



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- Fuel Handler Operator

### **Inspection and Frequency**

The purchased hogfuel dust collector is inspected regularly to insure proper operation. The frequency of inspection for each item is indicated. Corrective measures are taken to service or maintain those items which are found to require action.

Daily:

Wood yard operation personnel perform daily inspections of the dust collection filter system and report any operations issues to their supervisor.

Weekly:

Wood yard maintenance personnel perform detailed weekly inspections that include inspection of critical equipment such as fans, blowers, bearings, belts etc.

Monthly:

Routine preventative maintenance is also conducted on a monthly basis. Preventive maintenance includes oiling and greasing of equipment as well as detailed vibrations analysis on critical dust collector equipment.

### **Spare Parts**

Proper operation of the dust collector will assure compliance with the emission standard. Critical spare parts such as replacement filter bags are kept on-site for replacement.

### **OPERATING VARIABLES AND CORRECTIVE ACTION**

The Quinnesec mill operates the fabric filter dust collector in accordance with manufacture's specification to insure compliance with emission standards.

The fabric filter dust collector is equipped with a Broken Bag Leak Detector System that continuously monitors the efficiency of the filter bags. The leak detector will alarm in the event of a filter bag malfunction notifying operation personnel. Corrective measures are taken immediately to fix malfunctioning equipment.



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**OTHER CONSIDERATIONS**

This Malfunction Abatement Plan may be updated periodically as operating and maintenance experience with the equipment is gained.