

Tennessee Pollution Prevention Partnership Success Story



Marvin
Windows & Doors
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Marvin Converts Scrap Wood to Usable Materials

The Member

Marvin Windows and Doors of Ripley is a family owned business with corporate offices located in Warroad, MN. The Ripley facility was opened in 1980 and has grown to 650 associates primarily on the day shift. When you visit the Marvin W&D Ripley facility, you find a certain type of individual: independent, hard working and strong in character and conviction. It's certainly why some of Marvin's greatest innovations came from their employees. At this location, Marvin produces a high-end door product, including the "storm plus" designed to meet severe weather codes, for residential and commercial applications. Each door assembly is built to order and promptly shipped on Marvin's own fleet and with no finished goods inventory maintained in a warehouse. At Marvin's Ripley facility Continuous Improvement tools are extensively utilized to be the "best in class" and every job is performed one way: right. The Marvin Ripley facility is a TOSHA STAR facility under the Voluntary Protection Program and wants to be known as a great place to work and the employer of choice in Ripley. This dedication may never make Marvin the biggest window and door manufacturer in the world but they believe it makes them the best.

The Story

Marvin Windows generates several waste streams of scrap wood at the Ripley facility.

We worked with our engineering group on a continuous improvement project for wood machining. We were able to incorporate a linear wood grinder with other process changes to grind a portion of the wood scrap to a size compatible with our shavings that are sold for animal bedding. This project allowed us to turn a waste material into a salable product.



The Success

The estimated additional sales of this wood are \$19,900 per year.

The Pollution Prevented

There is estimated 476 tons of wood eliminated from the waste stream. The waste is then used in a sustainable manner as animal bedding.

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