

CASE STUDY | Wastewater



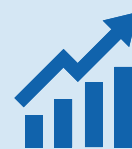
CHALLENGE

A Wisconsin outboard motor manufacturer operated two wastewater treatment systems. One system generated an oily sludge that quickly blinded sludge press cloths, requiring costly and hazardous diatomaceous earth (D.E.) as a precoat. The process increased operating costs, created silica dust exposure, and reduced press efficiency.



SOLUTION

Watertech identified an innovative alternative by using sludge from the facility's second wastewater treatment system as a natural precoat. This eliminated the need for D.E. while maintaining efficient sludge press performance.



RESULTS

REDUCED COST IMPROVED SAFETY

The new process completely eliminated diatomaceous earth purchases, reduced sludge volume and disposal costs, improved operator safety by removing silica dust exposure, and increased press efficiency.

KEY BENEFITS

1. Eliminated diatomaceous earth purchases
2. Reduced sludge generation and disposal costs
3. Improved operator safety by eliminating silica dust
4. Increased sludge press efficiency

TOTAL SAVINGS

\$35K Annually