

## Application Story

PROJECT | STORA ENSO  
Product | Geotube® Dewatering Technology  
Application | Pulp & Paper

Location

Niagara, Wisconsin

### The Challenge:

Each year during a scheduled plant shutdown, two million gallons of alum sludge from an on-site water treatment plant must be removed and dewatered -- with the entire operation being completed within a few days.

### The Solution:

A single GT500 Geotube® container (60' circumference x 200' long) dewatered the entire two million gallons of sludge within the timeframe of the plant shutdown [photos 1-2]. Not only that, the Geotube® installation was fast and easy for the plant's maintenance personnel.

### The Results:

The Geotube® dewatering operation removed 99% of the Total Suspended Solids (TSS) with effluent BOD of less than 7 mg/l. This allowed the resulting effluent to be discharged directly without any additional treatment by the mill [photos 3-4].

This dewatering process proved to be extremely successful. It has since been adopted as the mill's standard method for its annual cleanout.



### Contact Information:

Toll Free: 888-795-0808 / [www.geotube.com](http://www.geotube.com)

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