

Application Story

PROJECT | TYSON
Product | Geotube[®] Dewatering Technology
Application | Light Industrial

Location

Mexico

The Challenge:

Mexico's largest chicken processing plant was experiencing high levels of BOD discharge into a local river because their two on-site lagoons were full of solids. Federal regulations required immediate action to remove the solids.

The Solution:

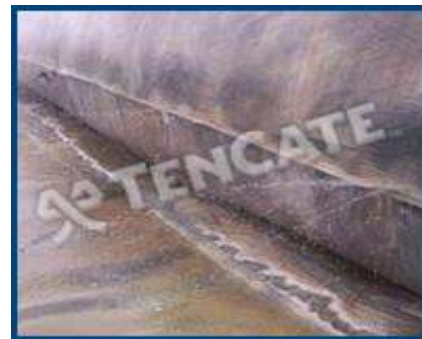
Geotube[®] containers were chosen because they could be rapidly deployed and were capable of removing large volumes of solids in a short period of time.

An on-site baseball field was converted to a 200' x 300' dewatering cell. An impermeable liner was placed on the field surface, followed by a three-dimensional mat to enhance drainage [photo 2]. Once the site preparation was complete, two layers of Geotube[®] containers (90' circulation x 188' long) were installed and the dewatering began immediately [photo 3].

The Results:

Within 90 days, 16 million gallons of waste materials were dewatered. The two on-site lagoons were restored to proper operating levels, and the BOD in discharge was below permitted levels.

The sludge continued to dewater in the Geotube[®] containers and later was made available to local farmers for fertilizer.



Contact Information:

Toll Free: 888-795-0808 / www.geotube.com

Geotube[®] is a registered trademark of TenCate[™] Geosynthetics North America © 2010 All Rights Reserved.