

Application Story

PROJECT | TiO₂ PROCESSING, BALTIMORE
Product | Geotube® Dewatering Technology
Application | Mining & Mineral Processing

Location | Baltimore, Maryland
Installation | 2001

The Challenge:

A processing plant needed to empty their titanium dioxide waste lagoons. And the plant wanted to reclaim and recycle the valuable minerals.

The Solution:

Geotube® dewatering containers (60' circumference x 200' long) were used to dewater 75,000 cubic yards of sludge. The operation utilized a 215 HP Nomad III cutter head dredge pumping at a rate of 2,000 gpm at 10% solids [photo 2].

The effluent released by the Geotube® units was clean and clear -- and allowed to drain directly back into the waste lagoons [photo 3]. Once the sludge dewatering reached 60% solids, a Geotube® unit was cut open [photo 4]. The contents were removed and the valuable minerals were recovered.

The Results:

The Geotube® units provided the necessary capacity for the plant to continue production. The Geotube® process allowed a significant amount of minerals to be recaptured and re-used.



Contact Information:

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