

Application Story

PROJECT | ARIZONA CHEMICAL
 Product | Geotube® Dewatering Technology
 Application | Light Industrial

Location | Arizona

The Challenge:

A chemical plant needed to dewater the residuals from their adhesive production process. The waste material contained inorganic compounds and was too abrasive to run effectively on a belt press. Plus, the available space for dewatering was also limited.

The Solution:

Geotube® dewatering containers were custom-sized to fit into the available space [photos 1-2]. The waste material was matched to specially formulated polymers to maximize dewatering efficiency. During the process, a Go-Devil was used to agitate the sludge basin [photo 3]. The sludge was *in situ* at 12.75%. As the dewatering occurred, the resulting effluent was recirculated to the equalization basin.

The Results:

After one week, the containers were cut open and 1,065 tons of dewatered solids were removed without disrupting plant operations [photo 4].

The chemical plant experienced a 38% cost savings by using Geotube® Dewatering Technology over the belt press method. And their savings in disposal costs reached 40%.



Contact Information:

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