

Application Story

PROJECT | I-99 ACID RUNOFF
Product | Geotube® Dewatering Technology
Application | Mining & Mineral Processing

Location | Skytop Mountain,
 Pennsylvania
Installation | 2001

The Challenge:

The need to contain and filter acid runoff from 700,000 cubic yards of pyretic rocks that were unearthed during the I-99 construction. Many environmental concerns for the local water sources were raised [photo 1].

The Solution:

Geotube® dewatering technology was used to contain and dewater contaminated sediments. The acid runoff collected into sediment ponds; then it was pumped into a sedimentation tank. Polymer was mixed into the solution tank, and then mixed into the contaminated slurry before entering the Geotube® unit [photo 3].

The resulting effluent released from the Geotube® unit [photo 4] was very clear.

The Results:

Local streams and groundwater were relieved of iron oxide contaminants. This eliminated the environmental problem caused during the interstate construction.



Contact Information:

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

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