



Mining

Water Reservoirs

Salt Lake City, Utah Mine Detention Pond

Installation with Canal³® 123012



Task

The mine utilizes water to transport a slurry of mined rock to its processing facility through miles of pipe. To supplement the mines water source, detention ponds were designed to collect onsite stormwater.

Solution

A total of three (3) detention ponds were designed using HUESKER's Canal³ 123012 geocomposite. The contractor installed the geocomposite utilizing a hand-held Leister and a Nordson hot melt adhesive unit. After the material was installed, it was covered with 6-inches of soil to protect the material from UV light and from damage from the future removal of anticipated sediment accumulation.

Advantages of (Geosynthetic) Application

The composite was chosen as the liner of choice due to its water retention, resistant to installation damage, wide roll width, and ease of installation by unskilled labor.

Business Area: Mining

Segment: Water reservoirs

Application: Stormwater holding basin

Project: Detention Pond

Location: Salt Lake, Utah

Client: ACF West

Contractor: Granite Construction Company

Construction Period: September to October 2015

HUESKER Product(s): Canal³® 123012

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