



# Potato Processing Plant Residual Dewatering

## Objective:

Clearwater Dewatering, of Nampa, Idaho, the local agent for WaterSolve, LLC, was contacted to work on a dewatering project for a large food processing company based in Idaho. A test program was done for dewatering food processing residuals at one of their plants in Idaho. The Project was started in March 2010.

## WaterSolve’s Chemical Conditioning:

A mixing system and polymer (Solve 216B), from WaterSolve LLC, was used to flocculate the sludge as it was pumped to the Geotube® containers. A containment pad was built, and lined, in order to capture the effluent and return it to the plants digester. The containment area was designed to fit 60 foot circumference by 100 foot long Geotube® containers.

## Geotube® container sizing:

Geotube® Containers are manufactured from high strength polypropylene fabric and designed to allow effluent water to escape through the pores of the fabric while retaining the chemically conditioned solids. Geotube® containers come in a variety of sizes, or can be custom ordered to fit site specific requirements.

## The result:

Clearwater Dewatering trained the plant personnel in the proper procedures to install, fill and dewater, the Geotube® containers. They were also instructed how to adjust the polymer dosage and test the mixing rate as the material is being treated and sent to the Geotube® containers. After the Geotube® units are filled and dewatered they are cut open and the material is hauled away for final disposal.



Filling and dewatering of Geotube® container in containment area.



Dewatering of Geotube® container.

*Location:* Idaho

*Products:* TenCate™ Geotube® Containers

*Equipment:* Polymer Make-down Unit



Geotube® container filled and dewatering.



Solids after 60 days.

