

# CONFIDENTIAL CLIENT

## IM-1/2 CAP

### GEORGIA

**PROJECT MANAGER**  
KENT GEIS

**CLIENT**  
Confidential

**CLIENT CONTACT**  
Confidential

**PERFORMANCE PERIOD**  
July 2009 – October 2009

**CONTRACT VALUE**  
\$1.2 million



## PURPOSE

Project scope involved the stabilization and placement of contaminated soil from a former wood treating facility, placement in a containment cell and construction of a geosynthetics and earthen cap over the cell (approximately 7 acres).

## HISTORY

The project site is a former processing facility in Georgia. The site is on the National Priority List, and is being remediated by US EPA Region IV under their Remedial Action Contract with their RAC contractor

## PROJECT APPROACH

The scope of the work performed included:

- Stabilization of organic and inorganic contaminants (spoils from slurry wall) using a portland cement and fly ash mix (10,000 cubic yards).
- Treated spoils were placed in IM-1/2 cell and compacted and graded for drainage.
- The subcap was graded, compacted and when necessary select common fill was imported to prepare the subcap for placement of geosynthetic liner.
- Geosynthetic clay liner (GCL) was delivered, off loaded and deployed over the subcap. The liner was placed with a 4-wheel drive-telescoping forklift and within contract specifications.
- The drainage composite (geonet) was delivered, off loaded and deployed over the GCL. The liner was placed with a 4-wheel drive ATV.

- A 12” protective cover layer of fill was placed over the geonet, covering the square footage of geonet deployed that day.
- A 6” topsoil was spread across the protective layer.
- The topsoil and adjacent disturbed areas were then seeded by drilling the specified seed into the soil for prolonged germination and consistent coverage.
- Construction of the cap also included a drainage weep around the cell, two access ramps crossing the slurrywall and a drainage swale around the cell to manage stormwater runoff.

