

SAN JACINTO WASTE PITS

SUPERFUND SITE



Project Description

USA Environment, LP's remedial activities at the San Jacinto Waste Pits were required by a Time Critical Removal Action (TCRA) implemented under an Administrative Order of Consent with the United States Environmental Protection Agency (USEPA).

The TRCA site consists of a set of impoundments approximately 15.7 acres in size, built in the mid-1960s for disposal of paper mill wastes. Regional land subsidence in the area resulted in submergence of the eastern impoundment and partial submergence of the western impoundment, and caused exposure of dioxin waste.



USA's overall responsibility in executing the TCRA was to stabilize the site and abate the potential release of polychlorinated dibenzo-p-dioxins and polychlorinated dibenzofurans from two waste pits into the waterway.

The main objectives, as outlined by the TCRA were:

- Stabilize waste pits to withstand geomorphological river forces
- Prevent direct human contact with waste materials
- Prevent direct benthic contact with waste materials
- Ensure that all actions are consistent with future or long-term remediation that may be developed for the site



Key project components:

- Detailed bathymetric survey
- Site preparation - including clearing & grubbing vegetation, signage, staging area and access road construction
- Installation of Armor Rock Cover over Geotextiles
- Stabilization of soft subgrade using Portland cement
- Installation of an impervious LLDPE geomembrane
- Installation of Armor Rock Cover
- 62,000 tons of mixed natural stone & processed concrete
- 36,000 tons of armor material from barges
- 140,000 sq ft of LLDPE Geotextile liner
- Installation of a 444,000 square foot subaqueous cap

