

Project Name:	Pittman Industrial Site
Project Location:	Mandeville, Louisiana
Project Completion Date:	November 2001
Project Duration:	2 Weeks
Project Value:	\$58,000
Client Name:	Drs. Pittman
Client Contact:	Mr. David Lourie
Client Phone Number:	(504) 887-5531
Technology Utilized:	Sludge Solidification/Demolition

Project Description

The project site operated as a pre-cast concrete facility that specialized in bridge beams. The operating entity had ceased operations and left the site. The present owner purchased the property with the hopes of future real estate development. Although the majority of the structures, utilities, and infrastructure had been removed prior to purchase, a 60,000 gallon AST remained.

As part of a LDEQ Consent Decree, SEMS was contracted to remove the material, clean and demolish the tank, and remove visual signs of residual surface contamination from years of leaking. Sampling results indicated that the tank sludge contained hazardous levels of Benzene and EDC. The standard disposal method for similar waste streams is incineration. SEMS obtained Waste Disposal Acceptance that did not involve incineration by solidifying the sludge with fly ash. The approval required the attainment of a specific admixture that removed all free liquids but did not convert the sludge into a traditional solid.

SEMS accessed the tank through the use of a trackhoe mounted shears. Fly ash was incorporated in sludge, while still in the tank. Once the proper consistency was established, the tank roof was removed, the walls cut and lowered, and the sludge removed to waiting rolloff boxes. The tank shell was cleaned of residual sludge by mechanical means and fly ash. The tank shell was cut up by the shears and sent of site for recycling.