

Project Name:	T-5 Closure
Project Location	Baton Rouge, Louisiana
Project Completion Date:	January 1998
Project Duration:	3 years
Project Value:	\$1,500,000
Client Name:	Ethyl Corporation
Client Contact:	Mr. Gene Ponti
Client Phone Number:	(225) 359-2856
Technology Used:	Construction

Project Description:

SEMS was contracted by the Ethyl Corporation to close the T-5 Impoundment (T-5). A previous attempt to close T-5 was halted due to slope failure.

SEMS conducted a risk assessment of the soils for the area. The risk assessment and a revised closure plan were submitted to the Louisiana Department of Environmental Quality (LDEQ) in 1997 and were approved in 1998.

The closure plan included filling a portion of T-5 to provide slope stability to an adjacent hazardous waste landfill (D-3) which had a failing concrete retaining wall, to excavate a borrow pit adjacent to T-5 which would become a part of the newly constructed T-5, install a gravity drain NPDES outfall to nearby Monte Sano Bayou, to ensure the reconstructed T-5 could handle a 25-year, 24-hour rainfall event, and stabilize all surrounding slopes.

SEMS implemented the closure plan, which involved the moving of 33,000 cubic yards of soil. SEMS submitted a closure certification report to LDEQ in January 1998.