

Project Name:	Marley Cooling Basin Closure
Project Location:	Baton Rouge, Louisiana
Project Completion Date:	December 1998
Project Duration:	1 month
Project Value:	\$200,000
Client Name:	Ethyl Corporation
Client Contact:	Mr. Gene Ponti
Client Phone Number:	(225) 359-2856
Technology Utilized:	Dredging, Mechanical Dewatering, and Offsite Disposal

Project Description:

The Marley Cooling Basin operated as part of the plant wide wastewater treatment system for the formerly operated Ethyl Tetraethyl Led production plant located in Baton rouge, Louisiana. The facility operated for about 40 years manufacturing lead anti knock compounds for gasoline additives.

The project involved the dredging of lead contaminated sediments from the concrete lined impoundment. SEMS utilized a SEMS floating dredge equipped with high volume solid pumps to remove the heavy sediments and convey them to mix tanks for pretreatment prior to dewatering operations. SEMS utilized a 100 cubic foot recessed chamber filter press to dewater the sediments prior to conveyance to roll off containers. The sediments were reduced in volume by about 50 percent and resulted in about 360 tons for offsite disposal.

Once dewatering operations were completed, residual sediments were solidified using Portland cement. The project was completed ahead of schedule and under budget.