

Project Name:	Tetraethyl Lead Railcar Demolition
Project Location:	Baton Rouge, Louisiana
Project Completion Date:	December 1998
Project Duration:	6 months
Project Value:	\$490,000
Client Name:	Ethyl Corporation
Client Contact:	Mr. Gene Ponti
Client Phone Number:	(225) 359-2856
Technology Utilized:	Pressure Cutting, Asbestos Removal, Butterworth Cleaning, Tank Scrapping

Project Description:

Ethyl Corporation had 63 Railcars remaining from their Tetraethyl Lead production plant located in Baton Rouge, Louisiana. The facility operated for about 40 years manufacturing lead anti-knock compounds for gasoline additives.

The tanks had an outer shell and inner tanks. Cork and asbestos were between the tanks for insulation and heat protection where welding took place. Initial cutting was performed using high-pressure water cutters inside a building constructed onsite. This provided access to the asbestos that was then removed. The cork and outer shell were then removed.

The inner tank was moved to saddles above a collection system. Butterworth high-pressure sprayers were used to clean the inside of the railcars until they were safe for torch cutting. The cleaned cars were transferred to an onsite scrapping location where Thomas Scrap cut the tanks and transported the material to their scrap yard.

SEMS employees were monitored for Tetraethyl Lead exposure throughout the project duration. Wastewater was treated and discharged out the permitted NPDES system.