Application: Contaminated Sediment Dewatering  
Product: MacTube®  

The Problem  
During the life span of the Manufactured Gas industry, billions of gallons of extremely hazardous wastes were generated. A substantial amount of these wastes were utilized by America’s chemical and construction industries. Coal tar and associated wastes laced with high concentrations of Arsenic, Lead, Benzene, Phenols, Chromium, Xylenes, Toluene and PAHs contaminate many former industrial areas, posing a dilemma for those involved redeveloping brown-fields. Michigan’s Saginaw River was one such body of water that required cleanup.

The Design  
It was determined that due to the limited area, the pronounced odor and overall nature of the material, that geotextile tubes would be the preferred method of dewatering the sludge. Once dewatered, it was hoped that a 40 to 50% solids would be achievable. The liquid draining from the geotextile tube would be directed to a waste water treatment plant and the dewatered solids would be sent to an approved landfill.

The Team  
Restoration Dredging of Bloomfield Hills, Michigan was selected by the general contractor to perform this vital function.

The Result  
The Project took 2 seasons to complete and utilized 24 tubes.

Owner:  
Public Utility (Michigan)  

General Contractor:  
Restoration Dredging  

Products used:  
24 MacTube®  
Geotextile Tube  

Maccarter Inc., Williamsport, MD