

TAMS**MEMORANDUM**

To	Hudson River file	Company	Date	6/22/01
From	Helen Pang		Job No.	
Subject	Manistique River and Harbor Project			

Today, John Szeligowski and I had a phone conversation with William G. Bolen (312-353-6316) of USEPA Region 5 with regard to the residual PCB issue in Manistique River and Harbor Project. Mr. Bolen is the Section Chief of Emergency Reaction Section in USEPA Region 5 and he provided us the following information:

1. The cleanup goal was to remove 95% PCB mass and to achieve a overall average concentration lower than 10 ppm.
2. Based on the available post dredging data, the average PCB concentrations are lower than 10 ppm and the cleanup goals are achieved.
3. The site is a dynamic lake environment; deposition of clean materials has occurred a number of years and the clean materials overly on the contaminated sediments; the surface layer concentration was much lower than the deeper layer
4. Bedrock exists at the bottom of the lake. The diver assisted suction was performed.
5. Multiple equipment were used
6. No resuspension issue in this project
7. The overall cost is approximately \$300 per cubis yard