Project Name:	**Former UOP Pond Closures**
Project Location:	**Carlstadt, New Jersey**
Project Completion Date:	**July 1988**
Project Duration:	**3 months**
Project Value:	**$1,200,000**
Client Name:	**Allied Signal Corporation**
Client Contact:	**Mr. Mark Camalo**
Client Phone Number:	**(Available on Request)**
Technology Utilized:	**Mudcat Dredging, Mechanical Dewatering, and Offsite Disposal**

Project Description:

Allied Signal Corporation purchased the former UOP property that contained two process ponds which contained a total of 12,000 cubic yards. One of the ponds demonstrated PCB concentrations in excess of 500 ppm in several areas. The state Department of Environmental Protection requested Allied Signal to incinerate the entire 6,000 cubic yards of this pond.

OHM/George Butler convinced the agency and Allied Signal to isolate the hot spots and only that material required incineration. Discriminate sampling utilized a 12 foot grid system located 7 hot spots. This procedure resulted in the incineration of only about 100 tons. The remaining 5,900 tons was shipped for hazardous landfill. This innovative sampling and segregation procedure saved Allied Signal over 5 Million dollars.

The project involved the dredging of hazardous waste sediments from the earthen lined impoundment. The equipment utilized consisted of a mudcat dredge equipped with high volume solid pumps to remove the sediments and convey them to mix tanks for pretreatment prior to dewatering operations. Two 100 cubic foot recessed chamber filter presses were used to dewater the sediment prior to loading into tractor trailer dump trucks. The sediments were reduced in volume by about 55 percent and resulted in about 6,000 tons for offsite disposal.

The project was completed ahead of schedule and under budget.