

# McCormick & Baxter Sediment Cap Portland, Oregon



## Client:

Oregon Department of  
Environmental Quality  
Portland, Oregon

## Contract Value:

\$625,248

## Project Timeline:

Started: August 2005

Completed: September 2005

## Project Highlights:

- Over 70,000 sq. ft. of area with 9,300 tons of sand, gravel and concrete rip rap to complete the sediment cap
- Used GPS WinOps system for bucket placement location and protecting high-pressure sewer lines
- 600 ft. of shoreline restoration
- Site located near highly sensitive existing structures

The McCormick & Baxter Superfund Site was a 60-acre complex, located in North East Portland, at the base of Edgewater Street. The site was operated by the McCormick & Baxter Creosoting Company from 1944 to 1991, for the purposes of wood product treatment. The site, 20 acres of which is located in the Willamette River, was contaminated with creosote, pentachlorophenol, heavy metals & other inorganic materials. The cleanup was taken over by The Oregon Department of Environmental Quality in the mid-1990s with the task of removal and capping of worst offending materials in the site.

AAC was solicited, in 2005, to selectively place a 1.5 acre section of the in-river cap. The placement area was located adjacent to a fully operational railroad bridge and above two fully operational high pressure sewer lines. The work required placement of 2 feet of sand over the cap, followed by 4 inches of 4" rock and 6" of 6" rock. Six hundred feet of shoreline was also dressed with 2 feet of rip rap. During the months of August & September, AAC transported and placed a total of 11,700 tons of material using its barge mounted Mantiwoc 4100 Series 2 Vicon, material barges and tug-boats.

A barge mounted GPS system was utilized during the placement of all capping materials. This GPS system facilitated the precise placement of the aggregate, within the cap boundary, and also provided real-time data for avoiding the high pressure sewer lines in the area.

