

AquaBlok® Installation Profile



Site Location: US EPA Region 5
St. Mary's River, Fort Wayne, Indiana

Project Status: Completed 2018

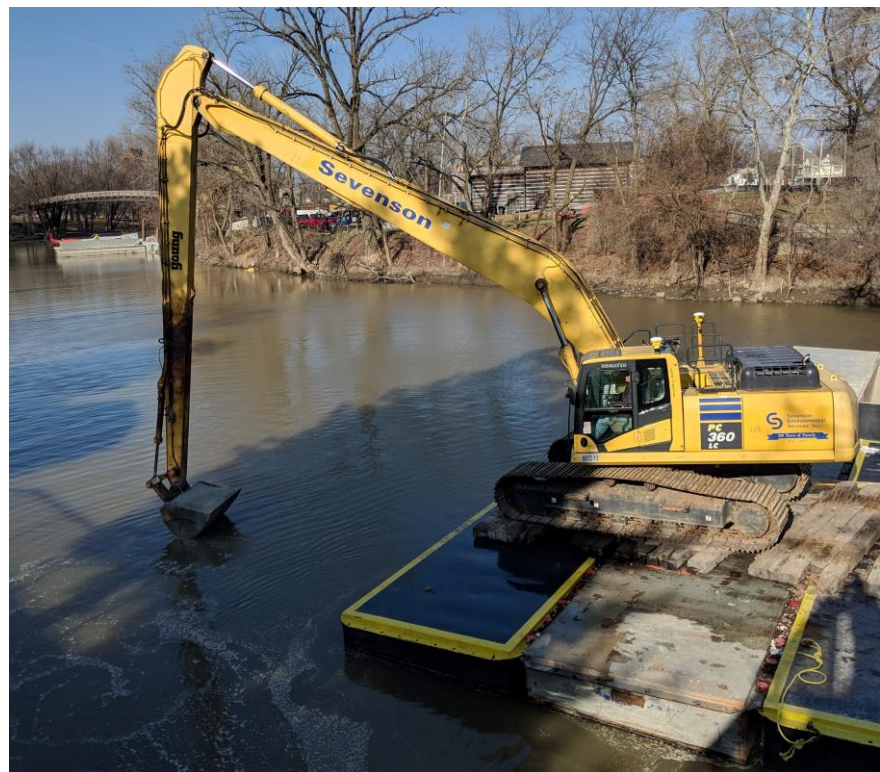
Setting/Purpose: Historic manufactured gas plant (MGP) site on a river. After dredging, a reactive cap was designed to encapsulate residuals and prevent potential migration of contaminants.

Contaminant(s) of Concern: DNAPL and coal tar from historic MGP.

AquaBlok Cap Design / Site Area: The top two feet sediment will be dredged followed by installation of an organoclay-based reactive cap layer designed to capture and isolate material that may seep from the riverbank. The cap utilized a 6-inch layer of AquaGate+Organoclay material as the adsorptive material.

Method of Placement: Cap material was loaded into scows from the boat ramp on the old Fort property, then delivered to the proposed cap location and placed utilizing a PC400 long-front excavator equipped with an environmental clam bucket. Placement proceeded in lanes parallel to riverbank.

Current Status: Since the completion of installation no visible sheen has been reported. Efforts are underway to perform further monitoring of the capping zones, but the areas addressed are considered to be successful in accomplishing the objectives outlined by the engineer and site owner.



Site Owner: Consumers Energy **Contractor:** Sevenson Environmental **Engineering Firm:** Haley & Aldrich