Site Location:  US EPA Region 2  
Woodbridge, New Jersey (Adjacent to Raritan River)  

Project Status:  Completed April 2015

Setting / Purpose:  Pipeline cap and Anti-Seep Collar. Objective was to cut off site contaminant pathways during excavation and installation of natural gas pipeline.

AquaBlok Cap Design / Site Area:  The project engineering design called for a low-permeability seal around the pipeline to minimize the potential for residual contaminant migration. The property where the pipeline was being installed is a brownfield site with known residual contamination. The property is also adjacent to a wetland that is interconnected with the Raritan River.

Contaminant(s) of Concern:  No contaminant characterization or analysis was performed since objective was to simply isolate the pipeline trench and attempt to provide a neutral zone between the pipe and the surrounding hydro geologic conditions.
AquaBlok® Installation Profile

Placement of AquaBlok was performed in lifts directly from bulk bags

Hydrating AquaBlok with Freshwater after Installation

Installation Notes:
- Coffer Dam approach used to isolate pipe trench from surrounding soil
- Continuous measurement of AquaBlok performed to insure design thickness of cap
- AquaBlok placed in lifts with each layer hydrated to insure hydraulic conductivity
- No additional anti-seep collars were placed along pipeline

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