

AquaBlok® Installation Profile



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.



Placement of low permeability pipe capping material

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

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Placement of AquaBlok was performed in lifts directly from bulk bags



Hydrating AquaBlok with Freshwater after Installation

Installation Notes:

- Cofferdam 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