

AquaBlok® Installation Profile



Site Location: *US EPA Region 10*
Shoreline, Washington (Puget Sound)

Project Status: Completed November 2008

Setting / Purpose: Shoreline/Saltwater Pipeline cap and trench dams. Objective was to cut off site contaminant pathways during excavation and installation of combined sewer overflow pipeline.

AquaBlok Cap Design / Site Area: The project engineering design called for a permeability within a range of 10^{-6} and 10^{-7} in order to best match site hydro geologic conditions. Material blends were provided in advance and independent lab tests confirmed the saltwater blend achieved the target permeability.



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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Loading AquaBlok from site delivered bulk bags into aggregate truck with stone slinger

Installation Notes:

- Cofferd Dam approach used to isolate pipe trench from surrounding soil
- Continuous measurement of AquaBlok performed to insure design thickness of cap
- Water in trench is full strength sea water
- Additional trench dams to be placed at intervals along pipeline

Method of AquaBlok Placement: Shore-based Stone Slinger