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 hydrogeologic conditions. Material blends were provided in advance and independent lab tests confirmed the saltwater blend achieved the target permeability.

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

**Installation Notes:**
- Coffer 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