

SEEPAGE CONTROL > CUTOFF WALLS/HYDRAULIC BARRIERS

# TONTOGANY CREEK LAGOON CUTOFF WALL

TONTOGANY, OH (COMPLETED OCTOBER 2008)

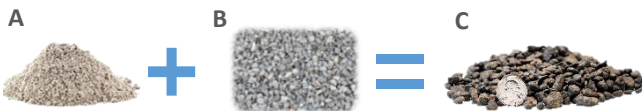


When seepage was first observed on the downhill side of one of the lagoons of the Tontogany Creek Wastewater Treatment Facility, the plant owners wasted no time in evaluating ways to prevent impending dam failure. Containing the seepage through porous soils warranted the placement of a hydraulic barrier, or cutoff wall parallel to the lagoon's primary embankment. Instead of using time-consuming and expensive grout curtain or

sheet pile solutions, plant owners chose AquaBlok to backfill an excavated trench approximately 6 feet deep and one foot wide. The trench was excavated and AquaBlok was placed on the same day, using conventional construction equipment and minimal labor. Performance has been impressive, as the AquaBlok has prevented cutoff wall has resulted in no further observations of seepage from the lagoon.

## GEOTECHNICAL sealing solutions

**COMPOSITE BENTONITE AGGREGATE** composed of a specific gradation of stone coated with sodium bentonite and a proprietary binder.



**HOW AQUABLOK WORKS** AquaBlok Composite particles expand when hydrated, transforming the material into the cohesive seal that self-compacts and conforms to uneven surfaces. The result is a natural and sustainable hydraulic barrier.



AquaBlok Dry



AquaBlok Hydrated



AquaBlok Hydrated [24 hr]

SEEPAGE  
CONTROL

POND  
SEALING

REPAIRS

For technical support or questions regarding geotechnical engineering applications, please contact

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