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 AquaBloc to backfill an excavated trench approximately 6 feet deep and one foot wide. The trench was excavated and AquaBloc was placed on the same day, using conventional construction equipment and minimal labor. Performance has been impressive, as the AquaBloc 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 graduation of stone coated with sodium bentonite and a proprietary binder.

**HOW AQUABLOC WORKS** AquaBloc 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.

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

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