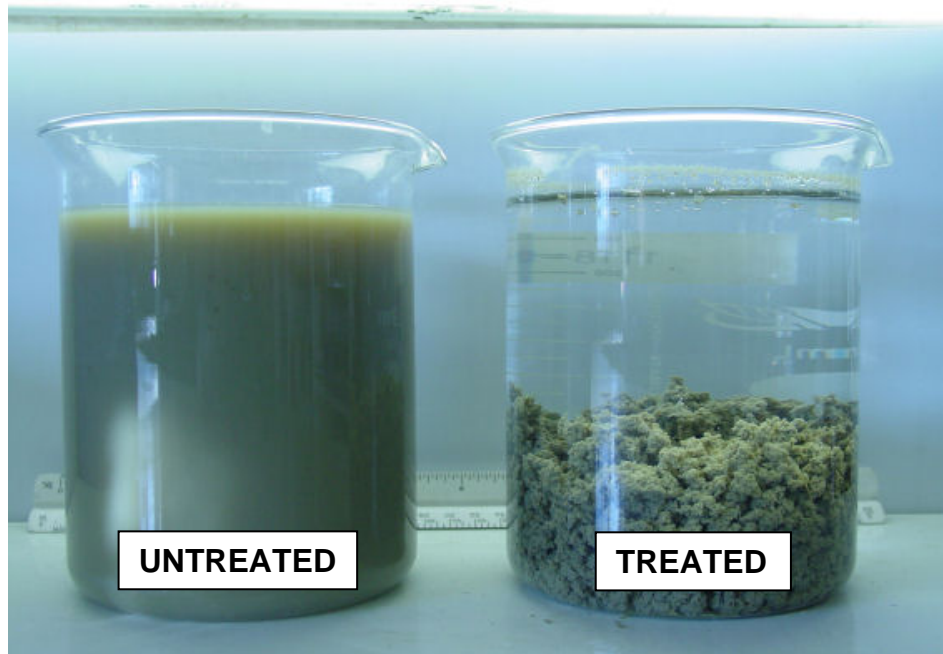




Brick Processing Manufacturer

The water sample that was received from Morin Brick Company was wastewater containing clay and sodium silicate contaminants. This company manufactures bricks for facilities in the Northeastern United States and Canada. They were looking for a solution to removing these contaminants from their wastewater.

A 1,000ml beaker filled with the water sample was used to conduct the treatability; the starting pH was recorded at 11.0. Floccin 1113 was the recommended application for testing, where 6 grams was added to the 1,000ml beaker containing the wastewater. Flocculation occurred after eight minutes of agitation to the treated sample and the pH dropped to 4.0. Approximately 1.0ml of 20% caustic was supplemented to increase the pH to 7.0, where flocculation continued to hold.



Our conclusion was 40lbs of Floccin 1113 would be the required dosage for every 1,000 gallons of wastewater generated. This is available at \$1.10/lb, when purchased in pallet quantities (2,000 lbs).

The recommended wastewater pretreatment system would require an equalization tank with pH adjustment and the wastewater is discharged to a CFU-50 for dewatering. The Continuous Flow Unit comes equipped with a Floccin Feeder to dispense Floccin 1113 into the treatment tank where disposable filtering media is used for liquid/solid separation and the effluent water is pumped to a sewer or water reuse system.