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ENVIRO-USA™ WORK SCASE STUDY

Kensico Reservoir

Location

White Plains, New York

Industry

Municipal Water Supply

Application

Erosion Control

Objective

Seasonal high turbidity levels were occurring in the areas where water was flowing into the reservoir. This increased turbidity in the water which was being pulled into several water intakes that service the drinking water needs of New York City and surrounding areas.

Solutions

A plan was developed for the use of Enviro-USA™'s custom made turbidity curtains which were installed in the reservoir to deflect the turbid water away from the intakes and allow the silt to settle with gravity.

PROJECT HIGHLIGHTS

- The curtains were customized by the section depth to contour the bottom.
- 7,000' of deflection turbidity barrier was utilized onsite during an additional two phases of construction until project completion.
- The curtains performed as expected and solved the turbidity problem where they were installed, allowing the project to be completed within NPDES guidelines and without detrimental impact to adjacent waterways.