

KlarAid* and PaceSetter* Technology Lessen Environmental Impact, Reduce Costs for Textile Mill

Background

A southeastern textile mill discharged colored wastewater to the local POTW for treatment. The municipality was unable to effectively remove color from the plant's wastewater, which was a significant percentage of the POTW's influent. Because of this, the local river receiving the POTW's effluent turned blue.

Local residents complained, and the EPA pressured the municipality to clean up the wastewater. As a result, the textile mill faced possible surcharges from the municipality.

Solution

A joint engineering and design effort by GE Water & Process Technologies, a regional wastewater equipment manufacturer, and the textile mill led to a new treatment plant at the mill. The use of KlarAid polymers and PaceSetter automated chemical feed technology ensures discharge limits are maintained. Color and suspended solids are now removed from the wastewater before the water reaches the POTW.

Results

The textile mill now consistently meets its wastewater color removal goal. By eliminating colored solids fouling the local river, the river is no longer discolored. By reducing its environmental impact, this mill also eliminated the possibility of costly surcharges and litigation. The public's image of this textile mill also improved.

In addition, this textile mill:

- Uses manpower more efficiently with the PaceSetter feed system
- Reuses effluent as a result of improved quality, thereby reducing their costs
- Ensures optimal, economical treatment with PaceSetter's automated chemical feed monitoring and control
- Simplifies nonchemical functions with PaceSetter's monitoring and control capabilities



Find a contact near you by
visiting gewater.com or
e-mailing custhelp@ge.com.

Global Headquarters
Trevose, PA
+1-215-355-3300

Americas
Watertown, MA
+1-617-926-2500

Europe/Middle East/Africa
Heverlee, Belgium
+32-16-40-20-00

Asia/Pacific
Shanghai, China
+86 (0) 411-8366-6489

©2005, General Electric Company. All rights reserved.

*Trademark of General Electric Company; may be registered in one or more countries.

CH226EN 0510