

Removing Oil and Grease from Aluminum Coil Saves Fabricator US\$390,638

Challenge

This Ohio manufacturer of commercial and residential aluminum siding and trim products had exceeded the municipal treatment plant's oil and grease discharge limits. The plant's environmental department immediately addressed the problem, sending effluent samples out for testing and requesting assistance from GE Water & Process Technologies.

Solution

The customer was using a GE product as its aluminum coil cleaner. Working with them on a solution, GE recommended changing the cleaning agent to Kleen* 4086A. It also recommended redirections in the coil line bath flows that reduced water use and discharge at the plant.

Results

Although the new cleaner was slightly more expensive, its stronger concentration and unique surfactant package reduced treatment costs while improving performance. As a result, the plant was able to meet its compliance limits without the expense of building and operating a waste treatment plant. The annual net savings for reductions in chemical, water and energy costs, as well as the capital expenditure cost avoidance, total US\$390,638.



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.

CH409EN 0511