

Energy Cost Reduction

CASE STUDY:

CLIENT PROFILES

International manufacturer of single-use products used to serve food and beverages for the consumer/retail and foodservice markets. The company's portfolio of product solutions is made from a variety of materials, including paper, plastic, foam, post-consumer recycled content and annually renewable materials.

OPERATIONAL CHALLENGE

The facility requested the value-added service of identifying ways to reduce energy costs.

CHEMICAL SOLUTION

Kroff investigated a leak in the condensate system and measured water loss at 8 gpm, which equated to 4 million gallons a year. The line was in a dark area in the boiler room where it was not easily noticed or recognized by plant personnel. Kroff identified the water being dumped into a drain and traced the leak to the condensate receiver.

BOTTOM-LINE RESULTS

The cost of the water loss was calculated including the cost to chemically treat the water, the cost of the water itself plus disposal, and the cost to heat the water from 68 to 210 degrees. The overall savings in chemicals, water and energy by fixing the leak was \$91,000 a year.



Tank overflow that cost \$91,000 a year in chemicals, water and energy loss.



Kroff Chemical Company, Inc. provides custom-blended chemicals and specialty services that improve clients' critical water and process system performance, which helps maximize efficiency of operations and lower costs of operation.

Kroff Chemical's services focus on energy efficiency, regulatory compliance, waste minimization and water reuse, fully automated and integrated chemical applications, and a safety-conscious approach.

With the support of Kroff Chemical Company, Inc., facilities operate with less staff, and they operate safely, efficiently and profitably. Clients focus more on their core competencies and look to Kroff Chemical Company, Inc. to treat, operate and maintain their critical water and process systems.