

boiler and cooling system improvements save food processor us\$825,576

challenge

Efficiency was declining and chemical costs were rising despite a competitor's treatment programs for the boilers and cooling system at Del Monte Foods' Plymouth, Indiana, plant making ketchup and spaghetti and tomato sauce. SUEZ Water Technologies & Solutions offered to identify and correct the problems that were affecting performance, and to implement a more effective treatment program.

solution

SUEZ made softener repairs and fixed mixing valves that were dumping hard water into the condensate, upgraded control equipment on boilers and cooling towers, used CPS technology instead of acid to remove boiler scale, and installed minibulk tanks to minimize inventory and eliminate drum disposal. A training course was also added. Products used included OptiSpense* CPS501, CorTrol* IS100, Steamate* NA701, Continuum* AEC213, Spectrus* OX109 and open market chlorine.

results

Solving mechanical problems saved US\$95,045 in chemical costs. Reducing boiler scale saved 319,252 therms valued at US\$94,179 and avoided buying a new boiler. Over five years, the gas therms required to produce a case of product decreased by 25.9%. Cooling tower corrosion was reduced from 4.9 mpy to 1.1 mpy on mild steel, and bypassing one tower for eight months of the year saved US\$7,971 in electricity. The net annual savings over five years totaled US\$825,576.

Find a contact near you by visiting www.suezwatertechnologies.com and clicking on "Contact Us."

*Trademark of SUEZ; may be registered in one or more countries.

©2017 SUEZ. All rights reserved.