

PROJECT PROFILE



CLEANING WATER, IMPROVING RUN-TIME AND ELIMINATING TOXIC CHEMICALS

APPLICATION

Scale & Bacteria Control
Two Cooling Towers
Chilled Water Loop
Process Cooling Loop

CUSTOMER STATEMENT

"Griswold Water Systems is providing excellent scale and bacteria control in all our water loops without a drop of chemicals. Higher operating cycles of concentration are resulting in considerable water savings."

- Tool Room Manager

FPE WATER SYSTEMS

Process Cooling Tower
Process Water Closed Loop
Chiller Cooling Tower
Chilled Water Closed Loop

PROBLEMS

Scaled up cooling towers
High bacteria counts
Bio-Film
Thermolator fouling
Chilled Water Turbidity

SOLUTION

Two 8" Wave's
Two 4" Wave's
Griswold Separator

CUSTOMER PROFILE

Florida Production Engineering is a supplier to the world's leading automotive manufacturers including Daimler Chrysler, General Motors, Honda, Nissan and Toyota. FPE excels in the design and manufacture of plastic injection molded products including wheel trim, air bag covers, interior and exterior trim, and a variety of structural plastic products. The company has manufacturing facilities in two other states as well.

RESULTS

Shortly after the Wave systems were activated existing scale deposits began to soften and dislodge from cooling system surfaces. The practice of stopping production runs to manually rout out clogged cooling passages in molds is no longer needed.

Chilled water turbidity and high iron counts gradually improved over the first 6 weeks resulting in clear water and low iron counts.

Bacteria counts were guaranteed by GWS to not exceed 10,000 CFU/ml. Within 3 weeks of commissioning the system bacteria counts in all loops stabilized below 2,000 CFU/ml and have remained stable for 6 months through the heat of the Florida summer.

A new remote monitoring system allows GWS to monitor Wave operation, conductivity and water meters through the internet.

for water treatment
this project used:



Chilled Water Before and After



Tower Condition Before



After 30 Days Non-Chemical



PROPOSALS & ENGINEERING

1597 INDUSTRIAL DRIVE, NEW SMYRNA BEACH, FL 32168 | T: 386.663.3370 F: 386.663.3371

CUSTOMER SERVICE & MANUFACTURING

1525 EAST 6TH STREET, CORONA, CA 92879 | T: 951.278.8992 F: 951.735.0798



GRISWOLD WATER SYSTEMS

WWW.GRISWOLDWATERSYSTEMS.COM