CHEMStaff

CORROSION MANAGEMENT PROGRAM

CHEMStaff's Corrosion Management program maintains boiler and steam-cycle integrity while minimizing corrosion product inventory and deposition.

The results? Lower iron concentrations in the feedwater and boiler, and improved operations.

Energy Savings and Performance:

Through boiler cleanliness and minimized deposits, a heat rate reduction yields annual savings.

Increased Availability:

Reduced malfunctions from corrosion products can result in avoidance of forced outages.

HOW IT'S DONE



CHEMStaff employs monitoring equipment to collect boiler and steam-cycle data and operating information, including digital plant data, such as power level, flowrates, and online chemistry measurements.



CHEMStaff analyzes the collected data. then recommends practical solutions to deliver customer value by reducing system corrosion and minimizing boiler deposition.



CHEMStaff provides quarterly program effectiveness assessment and an annual roll-up report with recommendations, corrective actions, and documented savings.



ANNUAL SAVINGS



(ASSETS

Reduced forced outages from fouled level controllers and valve regulators

\$500,000

Reduced equipment repairs and cleanings due to excessive iron inventories

S200,000



PRODUCTIVITY

Reduced heat rate due to boiler cleanliness

\$200,000

VALUE DELIVERED

\$900,000

MAXIMIZE

- Availability
- Power Output
- Asset Life

MINIMIZE

- Unplanned Outages
- Boiler Tube Fouling
- Equipment Degradation
- Operating & Management Costs

chemstaff@ecolab.com | +1-800-288-0879

www.ecolab.com/chemstaff

Nalco Water, an Ecolab Company

FOR INFORMATION

North America: 1601 West Diehl Road • Naperville, Illinois 60563 • USA

Europe: Richtistrasse 7 • 8304 Wallisellen • Switzerland

Asia Pacific: 2 International Business Park • #02-20 The Strategy Tower 2 • Singapore 609930

Greater China: 18G • Lane 168 • Da Du He Road • Shanghai China • 200062

Latin America: Av. Francisco Matarazzo • nº 1350 • Sao Paulo – SP Brazil • CEP: 05001-100 Middle East and Africa: Street 1010, Near Container Terminal 3, Jebel Ali Free Zone, PO BOX 262015, Dubai UAE

