Discussion by

Andrew J. Martin
Consultant
Medway, Massachusetts

This paper is very generalized in nature. I would like to see more specific data (i.e., how many hours of operation originally, vs hours with new approach). Costs of each approach relative to each other would be beneficial.

What vendors have adopted this technique?

BOILER TUBE CORROSION

More facts and figures are needed to compare the cost effectiveness of the new approach (i.e., maintenance—labor, material, etc.).

ECONOMIZER TUBE FAILURE

Perhaps a better preventative maintenance program in the beginning would have alleviated the original cause of failure. What was the original preventative maintenance program that was instituted?

BOILER CASING

Again, the costs of each approach should be analyzed and presented. How much was the life of the furnace casing increased by the procedure?

I believe the paper was very general in nature and would have been very interesting if specific cost and engineering (operating) data had been included.