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P91 Heat Rate Awareness 2-Day Seminar

Cost: $450.00 includes all seminar fees and student text. (For on-site, call us for price quotes).

As the utility industry transitions from a regulated to a competitive market, many companies are facing a shift in business practices to meet this new challenge.

Many areas of plant and corporate operations are being studied, including marketing, staffing, maintenance, operation, and management practices. The ultimate goal of all of these studies is to reduce overall generating costs while still providing a reliable supply of electric power. While there are significant economic reasons for considering all areas of plant cost containment, the area of heat rate improvement offers the opportunity to significantly reduce plant fuel consumption which is usually the largest single operating cost in a plant.

Staff training is not a new concept in the electric power industry; in particular, unit operator training has been proven to offer significant savings in operations and maintenance costs. As the utility industry continues its transition from a regulated to a competitive market, the importance of a well-trained team of employees becomes more evident. Most of the training in the area of heat rate improvement has been developed for performance engineers and others with a technical background and with little operating experience.

This seminar is intended to improve plant heat rate through greater knowledge of the power plant cycle with emphasis on factors influencing unit efficiency. In today's electrical production market heat rate plays an extremely important factor. Operator's actions can have a direct impact upon plant heat rate. It is essential that the employee understands the fundamentals of heat rate. Some companies call this controllable losses, we call it "Heat Rate". Yes some of heat rate is controllable losses, but not all falls under the operations department, we have maintenance, I&E, management and even fuel handling departments that can have an impact on heat rate.

Seminar Outline

- Introduction
- Thermodynamics
- Controlling Boiler
- Controlling Turbine Losses
- Heat Exchanger Performance
- Cooling Towers

P91-1207