THERMAL PERFORMANCE ANALYSIS

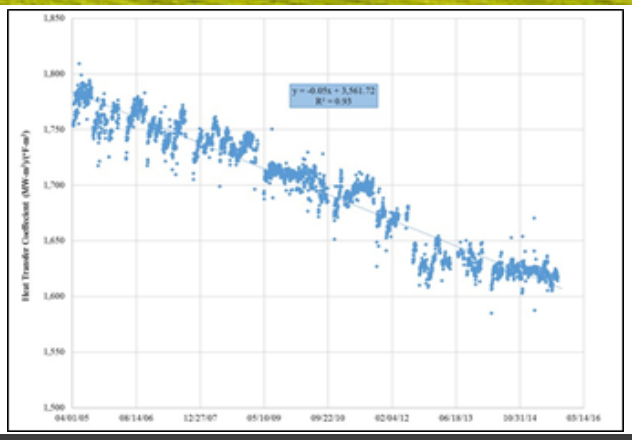
ChemStaff
Expert Consulting for the Global Power Industry

Value Delivered

- Cost-effective initiatives to preempt valves wide open operating conditions
- Industry-best methods for analyzing thermal performance data & trends
- Documented business cases for project review & approval
- Effective strategies to resolve plant-specific performance issues
- Seamless cross-discipline collaboration with plant personnel
- Trusted yet innovative approach with minimal impact on plant personnel
- Real-time monitoring with automated reports

Industry Challenge

PWR thermal performance can be adversely affected by many factors, including condenser performance, component replacement, plant power uprates, degraded equipment, heat transfer surface fouling, and even seasonal elements. Without the time or tools, plant personnel may not be able to isolate and quantify each of these individual effects. As a result, problems may emerge undetected, causing costly interventions and reduced electrical output.



ChemStaff Solution

ChemStaff can meet this challenge. With extensive industry experience, the experts at ChemStaff understand how baseline legacy analysis of thermal performance works with ongoing monitoring to successfully manage performance. ChemStaff has developed innovative industry-best methods for analyzing thermal performance baseline data and isolating and quantifying the effects of these individual factors influencing performance and efficiency. Our experts work diligently with plant personnel to:

- Collect required data,
- Determine the plant's thermal performance baseline,
- Identify historical trends using legacy data, and
- Develop expert recommendations to manage the effects of fouling and maximize component performance.

ChemStaff specialists deliver comprehensive review along with predictions for the effects of chemistry program changes to achieve optimal operating conditions.