



**Power Generation Material  
Selection Conference Agenda  
2009  
Lake Geneva, WI**

**Tuesday – P.M.**

**Plymouth Tube Co. Overview**

History, capabilities, and commitment

**Application History (Alloy Pricing History)**

Historical perspective on the use of SS in power applications

Recent and long range trends in usage and prices

Factors that influence SS prices

**Corrosion and Mechanical Failure Mechanisms, Condenser, FWH and misc HX**

Case studies and histories

Failures of Cu alloys and SS in numerous power plant applications

Lessons learned on application and operation

**Wednesday – A.M.**

**Stainless Steel Introduction & Applications**

•Presented by John Tverberg

What is Stainless Steel

Families of alloys

Strengths, weaknesses, applications

**Specifications**

ASTM and ASME tubing specifications

How to write a spec to get what you expect

**Production Related Methods & Associated Testing**

Various tubing production methods

Destructive and non-destructive testing

**Fundamentals of Corrosion** •Presented by John Tverberg

More than you ever wanted to know about corrosion

**Wednesday – P.M.**

**Water Chemistry**

Critical factors and risks

What to watch out for

**Plant Tours**

**Thursday – A.M.**

**Corrosion Testing**

ASTM corrosion testing methods

Specialized application related testing

**Condenser Comparison & Thermal Performance**

Thermal performance = CO<sub>2</sub> and capacity

Impact of alloy changes on performance

**Value Proposition**

Analyzing total cost of your material selection

Include material cost, chemical treatment, cleaning, unplanned outages, ect.

**Other Power Generation Tubing Applications, Boiler and other**