

AGENDA
Program 63
Boiler Life and Availability Improvement
 Generation Program Advisory Meeting
 Hyatt Regency Riverwalk
 San Antonio, Texas

Tuesday, October 5, 2010 – Regency East 1, Second Floor - B Level

| Time | Topic | Presenter |
|-------------|---|---|
| 1:00 pm | Program 63 Overview/Introduction <ul style="list-style-type: none"> ◆ 2010 Projects/possible 2011 Projects | <i>Kent Coleman</i> |
| 1:15 pm | 2010 Technical Program Review <ul style="list-style-type: none"> ◆ Corrosion Fatigue of Riser/Supply Tubing <ul style="list-style-type: none"> ○ Instrumentation and Operational Data ◆ Justification for Changing out Seam Welded Piping ◆ Affect of Switching to PRB Coal on Attemperators and RH Piping ◆ Explosive Cleaning of Boiler Tubes <ul style="list-style-type: none"> ○ Ferritic ○ Austenitic ◆ General Update on 2010 NDE Projects <ul style="list-style-type: none"> ○ Detection of Porosity by Phased Array ○ Examination of Tube Tangent Points ○ Field Demonstration of Digital RT ○ Field Trial of Reheater Extension Arm ○ MsS Probe Development for Boiler Reheaters ○ Detection of Magnetite Exfoliation ○ Depth Sizing of Boiler Waterwall Thermal Fatigue Cracking ○ Electromagnetic NDE ○ Radiography ○ Technology for Inspection of Boiler Tubing Dissimilar Metal Welds ○ Technology for Inspection of High Temperature Header Components ◆ Update on EPRI FAC Software - Fossil FAC Advisor ◆ Deaerator Life Assessment ◆ Boiler Condition Assessment Guideline ◆ Guideline on Pipe Hanger Stress Analysis | <i>Kent Coleman</i> <i>Stan Walker</i> <i>Bill Carson</i> |
| 2:45 pm | Customer Satisfaction Survey | <i>Kent Coleman</i> |
| 3:00 pm | Break | |
| 3:30 pm | Boiler Reliability Interest Group Report Out | <i>Mike Mallon</i> |
| 3:40 pm | Review of NDE Advisory Meeting | <i>Stan Walker</i> |

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4:00 pm

2011 Project Discussion

Kent Coleman
Stan Walker
Bill Carson
Darryl Glanton

63.001

- Drum Damage Detection and Sizing Guideline
- Evaluation of Digital RT for Other Applications
- Dissimilar Metal Weld Inspection Technology
- NDE for Attemperator Sprays
- Inspection Protocol for Long Seam Headers & Piping
- Buried Pipe Inspection Techniques

63.002

- Affect of Acid Cleaning and Hydro Stress on Corrosion Fatigue Damage
- Corrosion Fatigue in Riser and Supply Tubing
- Hydrostatic Affects on Circumferential Cracking
- Guideline for Minimizing Explosive Cleaning Damage
- Operational Issues for Boilers
 - Cyclic Issues
 - Start-up Ramp Rate Advisor
 - Affect of Operation Above MCR
- Update of EPRI BTFR Books
- Acoustic Emission Detection of Slag Pluggage
- Guideline for Cold Air Balancing for Fly Ash Erosion Mitigation
- Boiler Tube Failure Best Practices
- Tools for Running with Known Tube Leaks
- Boiler Concerns for Switching from Coal to Natural Gas
- Update Economizer Guideline
- Boiler Positioning System

63.003

- RT Plug and Thermowell Guideline/Best Practices
- Life Assessment of Base Metal
- Update of EPRI's FAC Computer Program
- FAC Program Assessment Guidelines
- Metallurgical Evaluation of the Entrance Effect
- Effect of Grain Size and Residual Stress on FAC Rate

Straw Man Voting

5:00 pm

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