

Agenda for Meeting Between the Nuclear Regulatory Commission Staff and
Representatives of the Nuclear Power Industry Regarding PWR Materials Reliability
and Weld Repair Research

Tuesday, January 24 through Thursday, January 26, 2012

Location:

Electric Power Research Institute

1300 West W T Harris Boulevard, Charlotte, NC 28262

Tuesday, January 24, 2012

<u>Time</u>	<u>Topic</u>
1:00 p.m. – 1:10 p.m.	<u>Introductions</u>
1:10 p.m. - 3:00 p.m.	<u>Current Welding Topics of Interest</u> <ul style="list-style-type: none">• Magnetic stir welding• Underwater laser welding• Filler metal development
3:00 p.m. – 4:00 p.m.	<u>EPRI NDE Center Lab Tour</u>
4:00 p.m.	<u>Adjourn</u>

Wednesday, January 25, 2012

<u>Time</u>	<u>Topic</u>
8 a.m. - 10 a.m.	<u>Weld Residual Stress (WRS) FEA Model Validation Results</u> <ul style="list-style-type: none">• Summary of work completed in Phases 1-4• ACRS briefing in 2012
10 a.m. - 12 p.m.	<u>WRS FEA Model Validation Follow-on R&D</u> <ul style="list-style-type: none">• Additional measurements and analyses stemming from the above• WRS and other projects that support xLPR• Phase 2b modeling mini-round robin• Stress intensity factors calculated from weld residual stress profiles• Materials testing at EMCC, EPRI and ORNL• CRDM WRS assessment
12 p.m. - 1 p.m.	<u>Break for Lunch</u>
1 p.m. - 3 p.m.	<u>Continuation of morning discussion topics</u>
3 p.m. - 5 p.m.	<u>Welding Mitigation</u> <ul style="list-style-type: none">• Welding parameter study
5 p.m.	<u>Adjourn</u>

Thursday, January 26, 2012

<u>Time</u>	<u>Topic</u>
8 a.m. - 11 a.m.	<u>Other Primary Water Stress Corrosion Cracking Mitigation Techniques</u> <ul style="list-style-type: none">• Chemical - Technical Basis (MRP-307)• Surface Stress Improvement (SSI) / Peening,<ol style="list-style-type: none">1. Introduction2. Summary of SSI Techniques, EPRI and Vendor Data and Experience3. Technical Basis and Effectiveness of SSI for PWSCC Mitigation (MRP-267)4. Inspection Intervals after Mitigation (Topical Report)5. Topical Report Review Process and Schedule
11 a.m. - 12 p.m.	<u>Discussion of Memorandum of Understanding Addendum for Additional Research</u>
12 p.m.	<u>Adjourn</u>

Note: At certain times during the meeting, proprietary information may be presented. During these portions of the meeting, members of the public may be requested to exit the meeting room.