

Nuclear Regulatory Commission Staff and Representatives of the Nuclear Power Industry PWR Materials Reliability and Weld Repair Research Meetings

Date: January 24-26, 2012

Location: Electric Power Research Institute
1300 West WT Harris Boulevard, Charlotte, NC 28262
Building #2 – Auditorium
Call-in # for Jan 25-26: 866-871-9351; PIN: 8920

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Tuesday, January 24, 2012		
Time	Topic	Presenters
1 - 3 pm	Welding Topics	
1:00 – 1:10 pm	Introductions	All
1:10 - 3:00 pm	- WRTC Overview - Magnetic Stir Welding - Laser Welding - Alloy 52 (Filler metal welding parameter study) - Excavated Weld Repair	WRTC Utility EPRI
3:15 – 4:15 pm	EPRI NDE Center Lab Tour	EPRI
4:15 pm	Adjourn	
Wednesday, January 25, 2012		
8:00-10:15 am	Weld Residual Stress FEA Model Validation Results	
8:00 – 8:10 pm	Introductions	All
8:10 – 9:10 am	- WRS Handbook - WRS Validation Final Report	DEI
9:10 – 10:15 am	- Measurement and FEA Results - Documentation and Presentation of Results	NRC
10:15 – 10:30 am	Break	
10:30 - 12 pm	WRS FEA Model Validation Follow-on R&D	
10:30–11:15 am	- Stress Intensity Factors from WRS Profiles - RS Measurements - Phase 2b mini-robin	NRC
11:15–12:00 pm	- WRS and xLPR - CRDM WRS Assessment - Hardening Laws	EPRI
12 - 1 pm	Lunch	
1 – 5 pm	Residual Stress R&D Topics and Public Comment	
1:00 – 2:00 pm	xLPR - Pilot, Phase 2, WRS Validation, PWSCC Mitigation	NRC/EPRI
2:00 – 2:30 pm	WRS FEA Modeling	SIA
2:30 – 3:00 pm	NRC Materials Reliability and Residual Stress Research	NRC
3:00 – 3:15 pm	Break	
3:15 – 3:45 pm	DOE Welding Residual Stress Research	ORNL
3:45 – 4:15 pm	Academic and International Residual Stress Research	UC Davis
4:15 – 5:00 pm	Open Discussion/Vendor and Public Comment	All
5:00 pm	Adjourn	
Thursday, January 26, 2012		
8 - 11 am	Primary Water Stress Corrosion Cracking Mitigation	
8:00 – 8:45 am	Technical Basis - Chemical Mitigation (MRP-263 & 307)	EPRI
8:45 – 9:30 am	Technical Basis - Peening (MRP-267)	EPRI
9:30 – 10:15 am	Topical Report (TR) Outline and Submission Plan	MRP Utility
10:15 – 10:30 am	Break	
10:30 – 11:15	MRP-267 & TR Outline Comments / TR Review Process	NRC
11:15 - 12 pm	Memorandum of Understanding Addendum	NRC/EPRI
12:00 pm	Adjourn	