



MC119

Corrosion and its Mitigation in Light Water Reactors (LWRs)

Day 1

- Costs of Corrosion in LWRs and brief review of Corrosion Fundamentals
- Case Study 1: General Corrosion of LWR Containments and Boric Acid Corrosion in PWRs
- Case Study 2: LWR Balance of Plant Galvanic Corrosion and Dealloying Corrosion
- Case Study 3: Effects of Flow on LWR Components
- Case Study 4: Crevice Corrosion, Pitting Corrosion and Intergranular Attack (IGA) in LWR Components
- Case Study 5: Environmentally-Assisted Cracking (EAC) in LWRs

Day 2

- Case Study 6: Intergranular Stress Corrosion Cracking (IGSCC) in BWRs
- Case Study 7: Primary Water Stress Corrosion Cracking in PWRs
- Case Study 8: Irradiation Assisted Stress Corrosion Cracking of LWR Internals
- Summary and Wrap-up