

Meeting
U.S. Nuclear Regulatory Commission
Nuclear Energy Institute

RG 1.200 and RI-ISI

July 17, 2007



Introduction

To continue open dialogue on issues
related to risk-informed ISI

Background - Generic

- To date >85 units have received NRC approval to implement RI-ISI programs
- To date ~10 units have received re-approval of their RI-ISI programs
- These approvals required a reasonable reflection of the as-built / as-operated plant
- ~13 units scheduled for re-submittal in 2008

Background - Generic

- From a RI-ISI perspective, peer review (NEI-00-02) has proven to be a successful approach for addressing PRA technical adequacy
- RI-ISI living program component
 - ◆ Periodic updates
 - ◆ Thermal fatigue (MRP-146),
 - ◆ PWSCC (MRP-139),
 - ◆ FAC,
 - ◆ Localized corrosion,
 - ◆ Operating experience per NUREG-0737

Background - Generic

- PRA Quality Statement, section 1.2 of RI-ISI template
- Impact on Plant risk
 - ◆ Very small increase
 - ◆ Risk neutral
 - ◆ Risk decreases

Background - Generic

- Significant worker exposure reductions
- RI-ISI Submittal Template supports NRC review:
 - ◆ Delta Risk Numbers
 - ◆ Number of Inspections
 - ◆ Allocation of Inspections
- Experience with NRC Approval has confirmed that the risk is small