
Path Forward / Closure Plan for Generic Safety Issue (GSI)-191



**Presented by:
Michael Scott
Office of Nuclear Reactor Regulation
May 23, 2006**

Purpose of Presentation

- Inform industry of top-level NRC activities needed and planned to bring GSI-191 to closure



GSI-191 Path Forward

- Resolve technical issues (subject of this week's discussions)
 - Chemical effects
 - Chemical speciation
 - Chemical precipitate head loss
 - Downstream effects, including in-core
 - Debris transport and near-field effect
 - Qualified and unqualified coating adhesion
 - Coating debris characteristics and transport
 - Debris head loss



GSI-191 Path Forward

- **Observe strainer testing at vendor testing facilities – document any issues and make NRC staff comments available to affected licensees**
- **Issue NUREGs addressing results of NRC confirmatory testing**
- **Revise GL 2004-02 audit plan as needed based on evolving technical knowledge**
- **Process license amendment requests to support licensee GL 2004-02 schedules**
- **Conduct GL 2004-02 plant audits for a sample of 12 selected PWRs**
 - **Reach closure on open items**
 - **Consider, based on audit results, whether to increase audit sample size to ensure adequate PWR fleet response to GL 2004-02**



GSI-191 Path Forward

- Verify adequacy of 2006 and 2007 GL 2004-02 supplemental responses and/or responses to February 2006 requests for additional information (RAIs) for each PWR
- Conduct inspections under TI-2515/166 to verify implementation of GL 2004-02 plant modifications and procedural changes as described in GL 2004-02 supplemental responses and RAI responses
- Evaluate extension requests for GL 2004-02 modifications and procedure changes based on SECY-06-0078 extension criteria
- Develop GL 2004-02 closure letters for each PWR based on supplemental responses, RAI responses, audit results and/or TI-2515/166 implementation inspections



GSI-191 Closure

- GSI-191 safety issue closeout (2008)
 - ACRS meetings to obtain GSI-191 closure endorsement letter
 - Update Standard Review Plan (SRP)
 - Update Regulatory Guide 1.82 “Water Sources for Long-term Recirculation Cooling Following a Loss-of-Coolant Accident”

