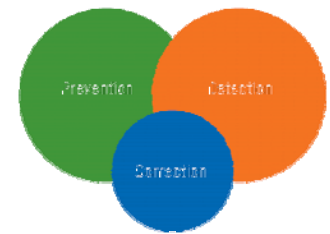




St. Lucie Units 1 & 2 GSI-191 Path Forward NRC Teleconference

September 13, 2011



Meeting purpose

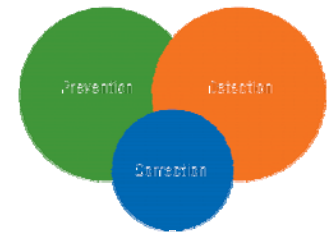
- Outline St. Lucie resolution path forward to address requirements of GL 2004-02 and resolve GSI-191 for St. Lucie Units 1 and 2*
- Planning for NextEra/FPL response to RAIs

**Elements of path forward for St. Lucie may be revised based on industry testing results and NRC efforts to risk-inform a GSI-191 resolution per Commission direction*



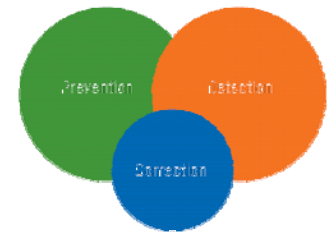
NRC Request for Additional Information (RAIs)

- 16 RAIs (with subparts) for St. Lucie Unit 1, dated April 9, 2010
- 11 RAIs (with subparts) for St. Lucie Unit 2, dated September 22, 2010
- RAIs for both units in following categories:
 - Debris Generation / Zone of Influence (ZOI)
 - Debris Characteristics
 - Debris Transport
 - Head Loss and Vortexing
 - Chemical Effects



NextEra/FPL Response to the RAIs

- **Complete Response to RAIs required additional analyses and testing**
 - Existing analyses and testing did not support complete response to 2nd round of RAIs
 - NRC Staff advised NextEra/FPL not to submit partial response
- **Further industry testing needed for analyses assumptions (Zone of Influence and Downstream In-Vessel effects)**
- **Strainer performance test protocol acceptable to NRC was not available to support a complete response**



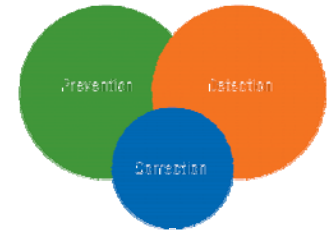
NextEra/FPL path forward

- Industry testing results will inform resolution plans for St. Lucie
- Full scope analyses and testing required to support response to RAIs
 - Debris generation
 - Debris transport
 - Strainer head loss testing
 - Strainer bypass testing
 - Chemical effects analysis
 - Debris interceptor testing
- NEI 04-07 with refinements will be used for analyses
- Use testing protocol generally acceptable to NRC
- Expected completion of analyses and testing – June 30, 2013
- Results will confirm quantity and location for insulation replacement



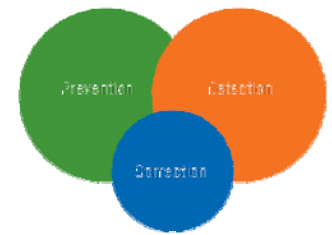
Insulation replacement (as required by analyses and testing)

- Two (2) outages (2014 through 2016) for both units
- Scope based on analyses and testing results
- Schedule for insulation replacement
 - Unit 1 – complete early in 2016
 - Unit 2 – complete late in 2016
- Schedule includes the time required to plan the insulation replacements following the completion of analyses and approved testing



Plans for response to RAIs

- **Complete analyses and testing – June 30, 2013**
- **Submit supplemental responses providing results of analyses and testing – December 31, 2013**
- **Keep NRC Staff informed of progress**



Questions?