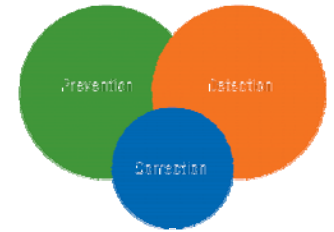




St. Lucie Units 1 & 2 GSI-191 Path Forward NRC Teleconference

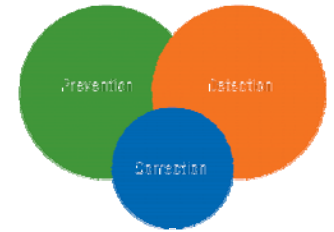
September 13, 2011



Meeting purpose

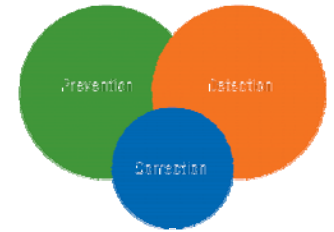
- **Outline St. Lucie resolution path forward to address requirements of GL 2004-02 and resolve GSI-191 for St. Lucie Units 1 and 2***
- **Planning for NextEra/FPL response to RAIs**

** 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*



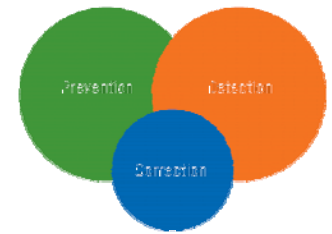
NRC Request for Additional Information (RAIs)

- **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**



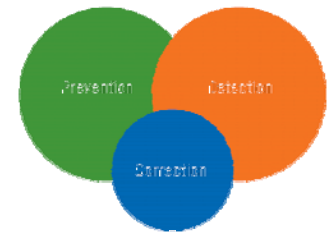
NextEra/FPL Response to the RAIs

- **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**



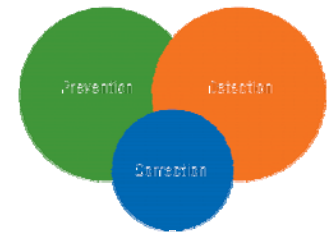
NextEra/FPL path forward

- **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**



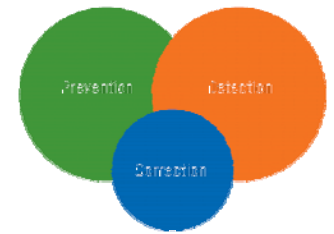
Insulation replacement (as required by analyses and testing)

- **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?