Update on Grid initiatives

NRR/DE/EEEB PRESENTATION FOR COMMISSIONER MERRIFIELD

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GL 2006-02

- Developed and Issued Generic Letter (GL) 2006-02, “Grid Reliability and the Impact on Plant Risk and the Operability of Offsite Power”
  - Held public meeting on January 9-10, 2006
  - Issued GL on February 1, 2006
  - Received responses by March 3, 2006
  - Held public meeting on the preliminary results from GL on June 22, 2006

GL 2006-02 (continued)

GL asked questions in four areas:

1. Communication protocols between nuclear power plant (NPP) and grid
2. Grid analysis tools used to confirm adequacy of OSP
3. OSP restoration procedures, and
4. SBO analysis on LOOP frequency

GL 2006-02 (continued)

Preliminary results identified Eight concerns:

1. Establishing OSP voltage limits
2. Verification of grid tool predicted post-trip voltage
3. Compensatory measures on loss of tool to predict post-trip voltages
4. Plants to demonstrate any Single contingency of the OSP

GL 2006-02 (continued)

Preliminary Concerns (continued)

5. LOCA with delayed LOOP
6. Seasonal variation to grid stress
7. Communication during Grid Risk-Sensitive Maintenance
8. Review of SBO analysis

Summary of Grid Initiatives

- Protocols are in place for:
  - Operability Assessment
  - MR Interface Planning
  - Analysis for trip of the unit (contingency)
- Grid-risk sensitive equipment considered in the maintenance rule evaluations
- OSP restoration priority acknowledged

RESOLUTION OPTIONS

- **ISSUE RAIs**
  -- Switchyard minimum voltage limits
  -- SBO analysis
  -- Offsite power restoration priority (1 plant)

- **REGIONAL FOLLOWUP**
  -- Comp measures for loss of ability to predict post-trip voltage
  -- Definition of single-contingency

- **EVALUATE FROM REGULATORY PERSPECTIVE**
  -- Seasonal variation & Procedures to inform grid operator during maintenance
  -- Validation of Predicted Post-trip Voltage

- **PLANTS REQUESTING EXEMPTION FROM LOOP/LOCA (50.46a)**
  -- Double-sequencing