

RIC 2002 Session W6 Reactor Oversight Process Performance Indicators

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PI Results

- Use of PIs spurs performance improvement in monitored areas
- Results validate industry is maintaining high safety margins
- Achieved intended consequence of performance improvement in:
 - Security equipment performance
 - EP drill participation
- Provides effective visual portrayal of performance for public



PI Process

- NEI 99-02 guidance has evolved and improved through experience
- FAQ process effective in providing:
 - Clarity
 - Consistency
 - Timely interpretation/resolution
- Pilots are an effective and disciplined change management process
- PI Web provides efficient platform for consistent data collection and reporting to NRC



Future PI Pilot

- Goal: Create a common definition to be used by ROP, Maintenance Rule, PRA, and WANO for SSU
- Problem with current SSU PI
 - Not risk-informed (Design Basis)
 - Unreliability estimated using fault exposure
 - Support systems cascaded
 - Generic thresholds inconsistent with plant-specific risk insights

Future PI Pilot (cont.)

- Proposed Resolution
 - Split current indicator into unavailability and unreliability elements to replace fault exposure
 - Add cooling support system (SW and CCW) PI to eliminate cascading
 - Establish plant-specific thresholds based on risk-significant functions at power
- Pilot targeted to start 7/1/02

