

**RES Action Items to support MSPI Pilot Program Table Top Activities**  
**July 31, 2002**

- Independent verification (by NRC using SPAR models) of MSPI calculations done by the pilot plants (e.g., FV, UA, UR, MSPI for each monitored system)
- Evaluations of SDP findings (provided by NRR for mitigating systems cornerstone during the period of 2000 thru 2002) using the MSPI approach, and comparison of results.
- Review of the boundary of DGs and other components in Table 2 of App. F for consistency with PRA assumptions.
  - Review of historical data to determine risk-significance of DG fuel storage transfer pumps
  - DG sequencer
  - Review of DG reliability study to determine DG boundary
- Development of a white paper to describe the technical bases of the MSPI methodology proposed for the pilot program. This is in response to the ACRS request.
- Issues related to invalid indicators; i.e., one failure above the baseline value exceeding the G/W threshold of  $1.0E-6$ .
  - Independent verification of the screening equations in App. F
  - Other components performance kept at zero versus at baseline
  - One failure over plant-specific baseline versus one failure over the industry baseline
- Determination of acceptable level of false-positive and false-negative indication.
  - Development of an approach for calculating appropriate priors for components with too many failures in a short period of time.
  - Evaluation of longer than 3-yr monitoring intervals for highly reliable components
  - Evaluation of combining reliability data for similar components in different monitored systems (e.g., MOVs in RHR, HPI, and AFW systems).
- Review of UA/UR baseline values to determine the appropriate time period (e.g., 1995-1997 versus 2000-2001).
- Criteria for determining risk-significant functions modeled in PRA/Maintenance Rule.
- Calculations of FV importance measures for cooling water support systems should include impact on initiating events, as well as on mitigating functions.
  - Review of SPAR models to determine how CCW and SW initiators are modeled
  - Review of pilot plant PRAs to determine how CCW and SW initiators are modeled