

# RISK SIGNIFICANCE

## Actual Event Risk:

- Initial estimated CCDP for a SGTR ~  $1E-4$   
GEM/SPAR & ~ $7.7E-5$  based IPE
- Revised CCDP based on actual leak rate was ~  
 $2.2E-6$

## Key Assumptions:

- Actual SGT failure leak rate ~ 100gpm - HRA revised accordingly
- Charging pumps available for HP makeup

## SDP Conditional Risk Assessment:

- Delta-CDF is used to determine risk significance of inspection findings
- Deficiencies with the 1997 SGT inspection program have a high delta-CDF and are risk significant

## Key Assumptions:

- SGT failure IE frequency ~ 1/RY
- $\frac{1}{2}$  tube failures result in ruptures

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