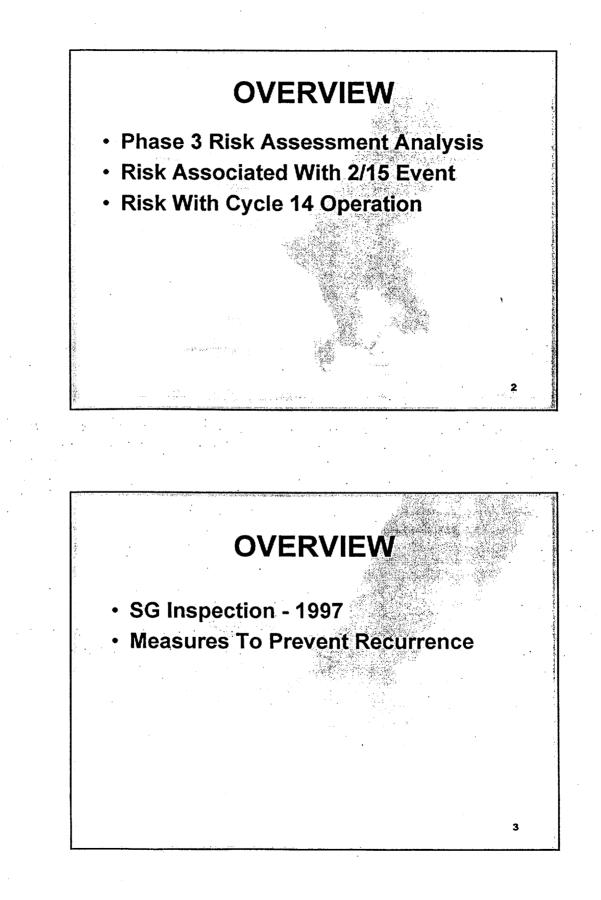
ENCLOSURE 2

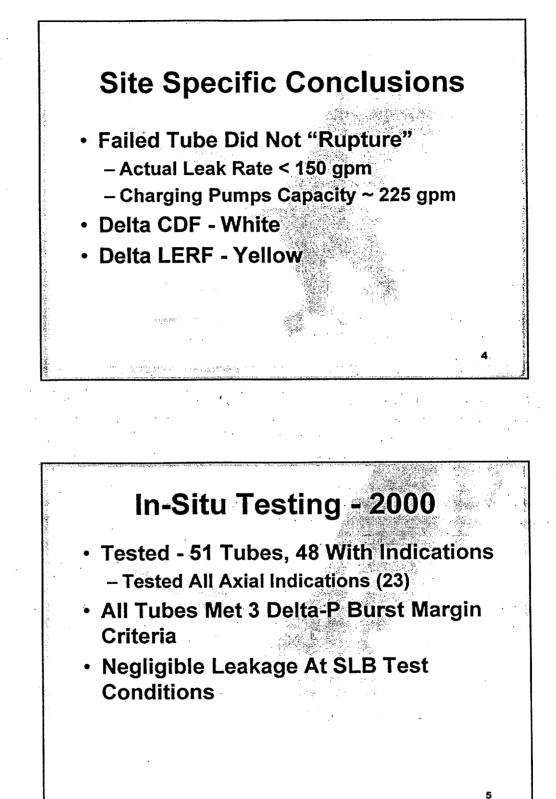
CON EDISON PRESENTATION MATERIAL FROM SEPTEMBER 26, 2000 REGULATORY CONFERENCE

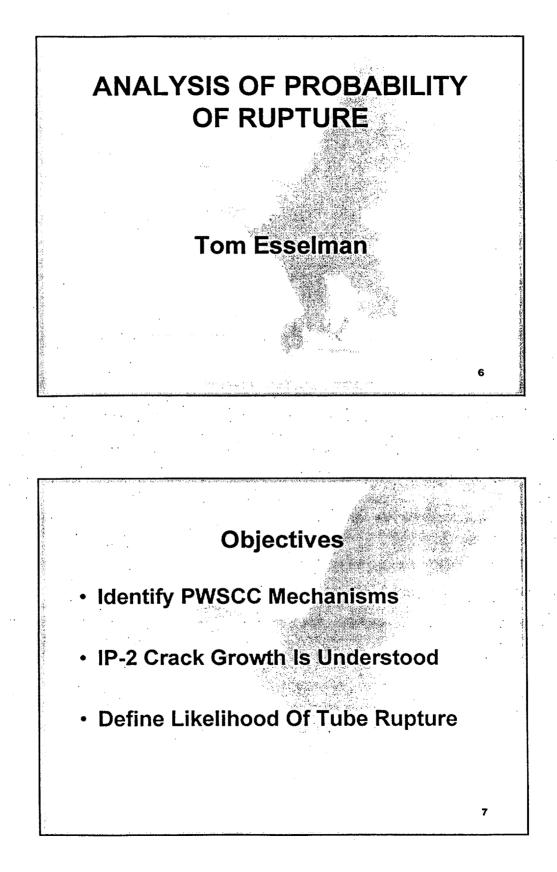
## **Consolidated Edison Company Of New York**

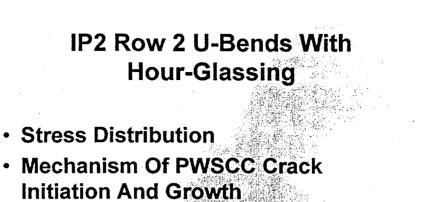
# Indian Point 2 NRC Regulatory Conference

September 26, 2000





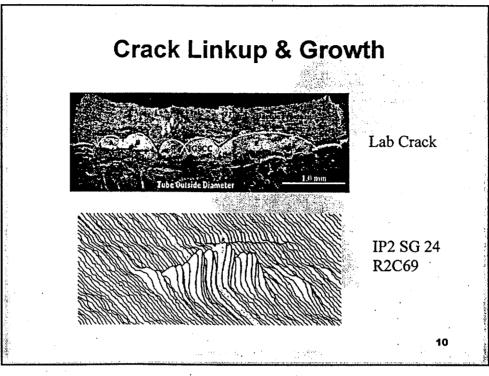


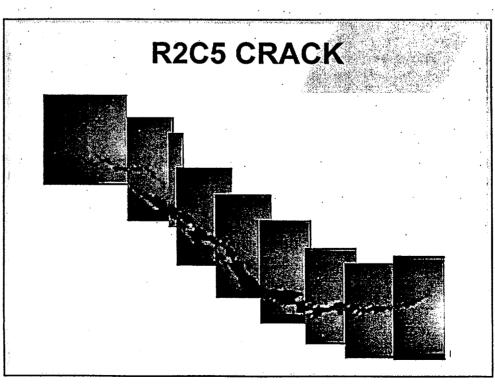


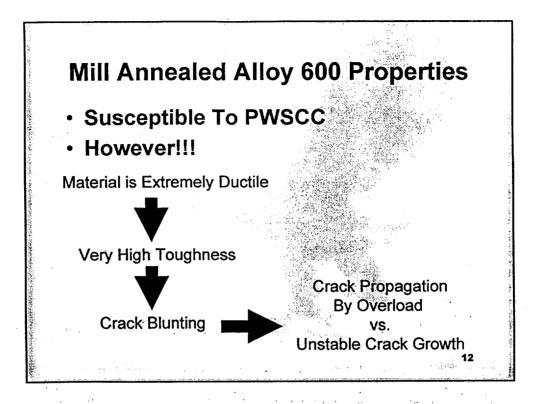
Behavior Of The IP-2 Row 2 U-Bends

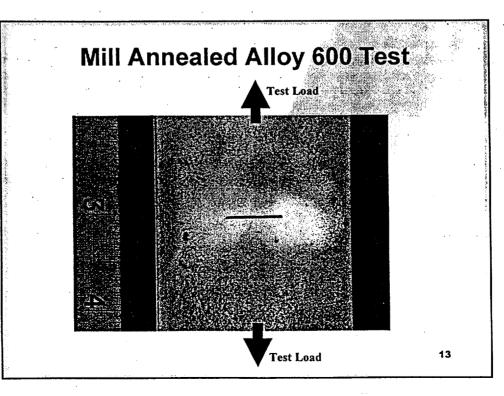
#### **PWSCC Initiation & Growth Process**

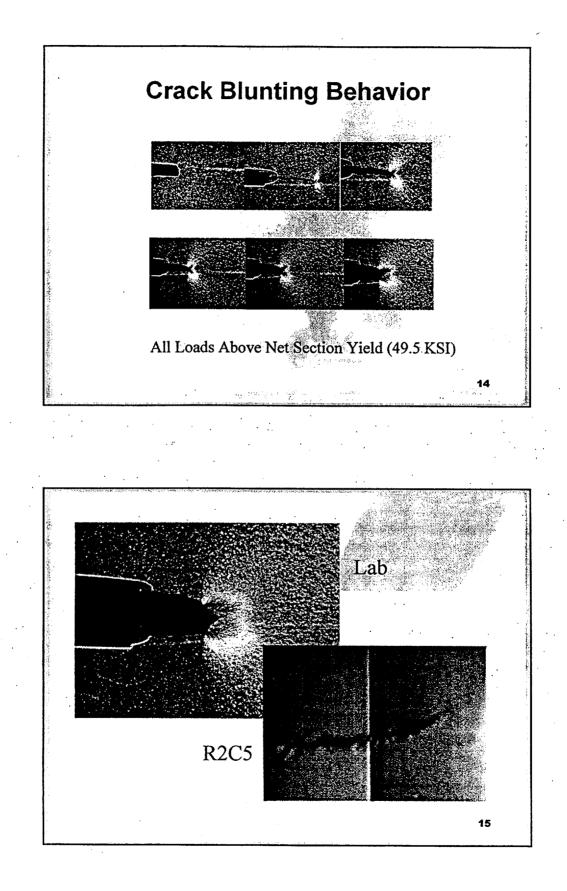
- Cracks Initiate At Multiple Sites
- Small Cracks Grow And Eventually Link To Form Larger Cracks
- High Aspect Ratio Cracks (Ratio Of Length To Depth) Grow Until Stress in the Remaining Ligament Exceeds Material Failure Stress

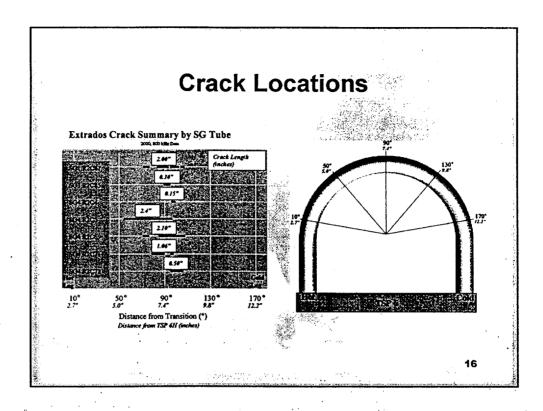


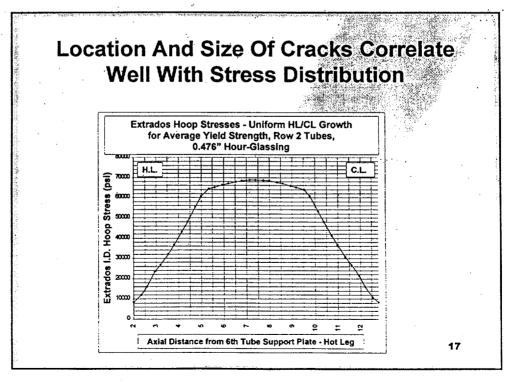


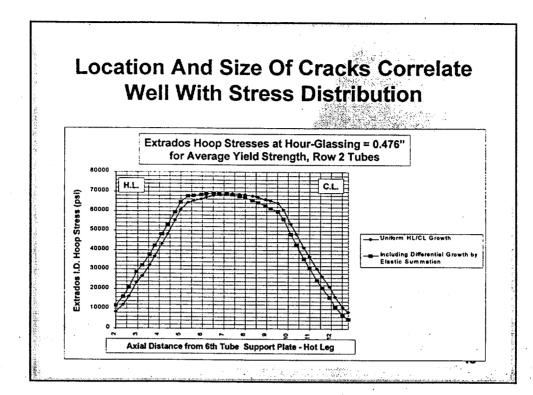


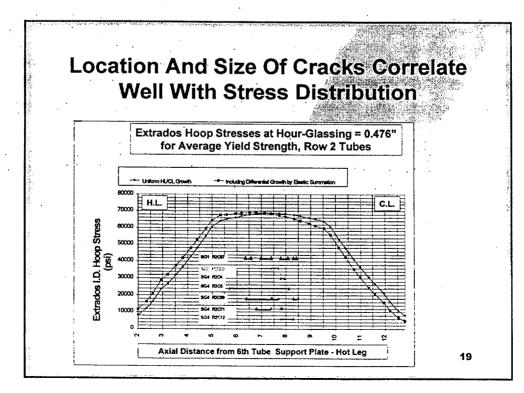


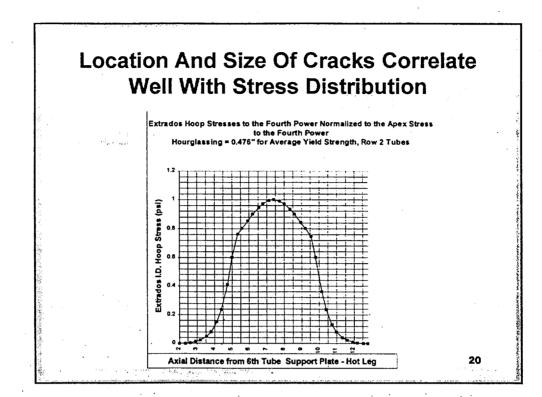






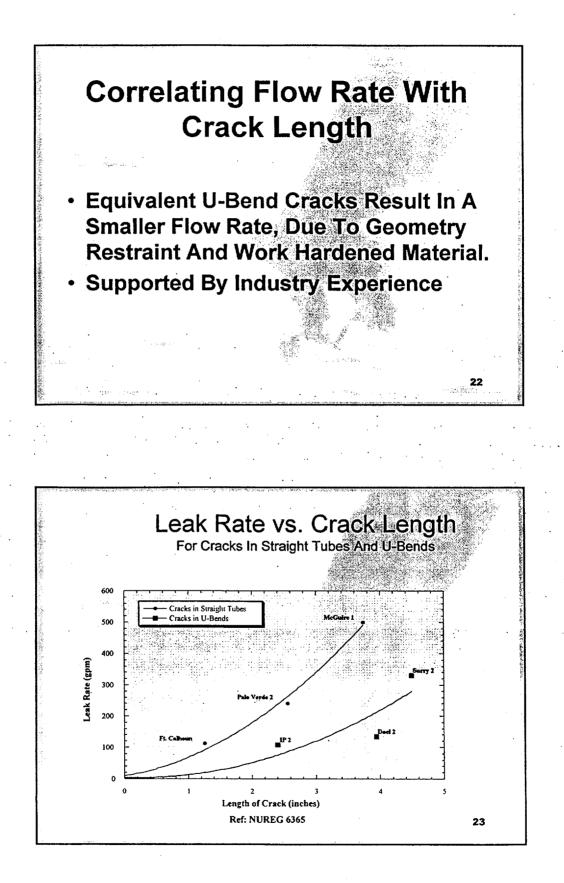


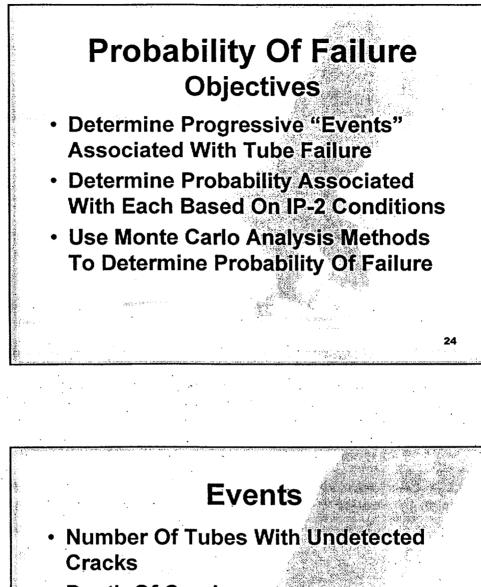




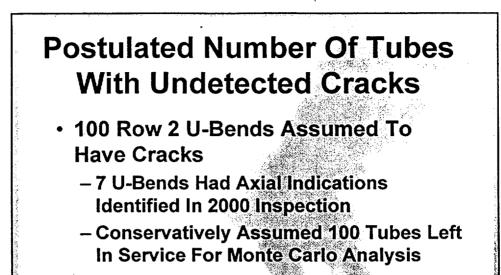
#### Crack Stability

- Cracks Initiate, Grow, And Link
- Linked Cracks Grow Thru-Wall And Then Extend Axially By Linking With Adjacent Cracks
- High Toughness Inhibits Crack
  Propagation Into Areas With No Cracks
  Or Shallow Cracks





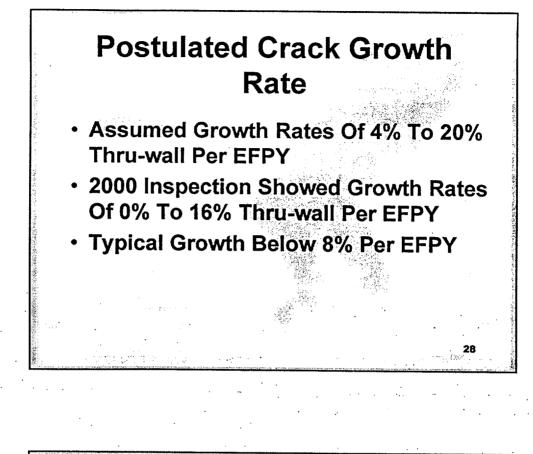
- Depth Of Cracks
- Crack Growth Rate
- Crack Penetrating Wall
- Axial Length Of Crack
- Flow Rate Through Crack

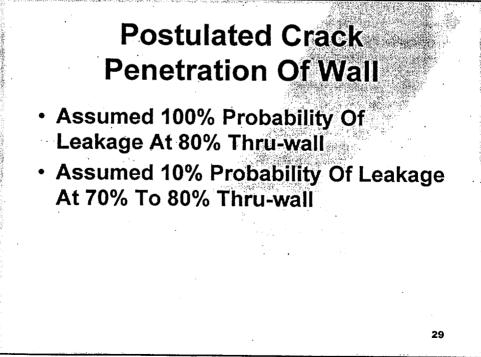




- Assumed A Depth Of Cracks From 0% to 90% Thru-Wall
- Population For Over 50% Thru-Wall Indications Exceeded The Number Found In The 2000 Inspection

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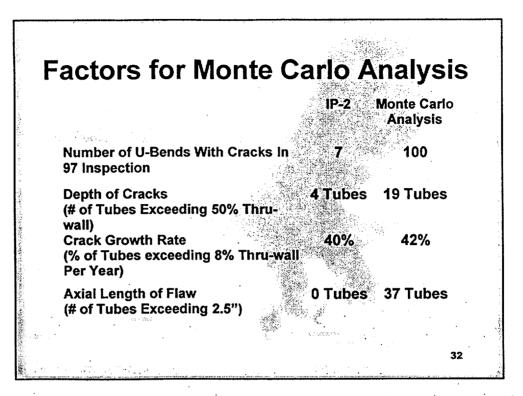


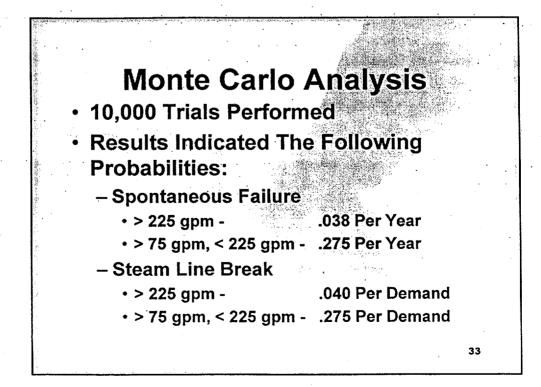
### Postulated Axial Length Of Crack

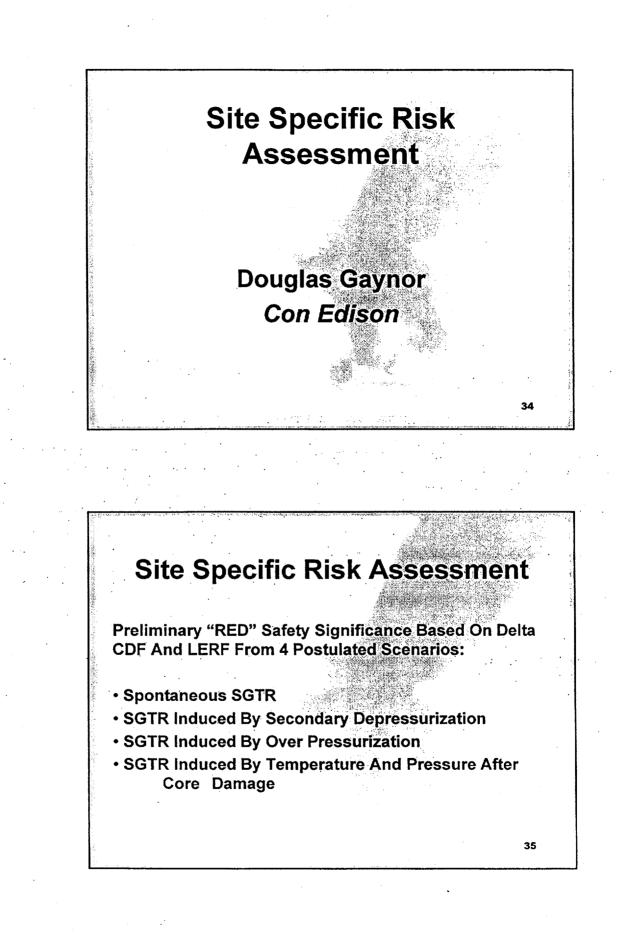
- Axial Length Of Cracks Assumed To Range From 0" To 4.5" Long
- Highest Probability Is For Cracks In 2" To 2.5" Range
- 37% Of The Cracks Assumed To Be Longer Than 2.5"
- Assumptions Are Conservative Compared To 2000 Inspection Results

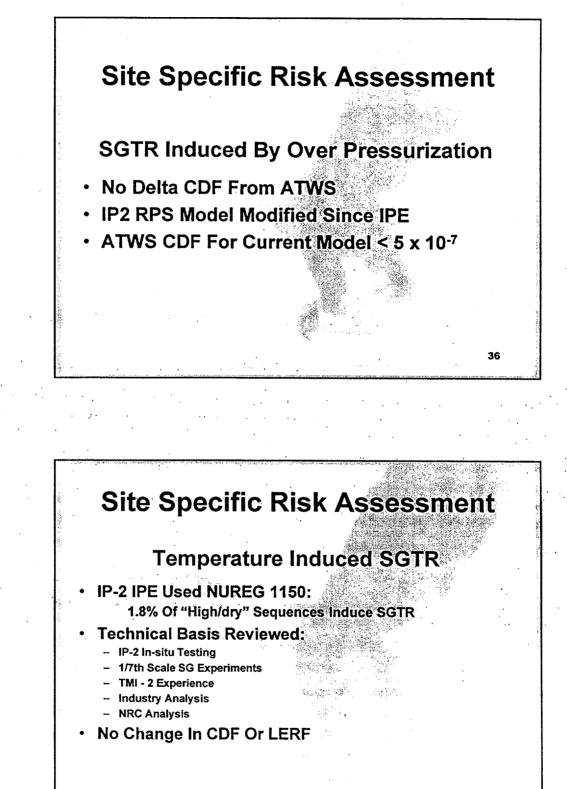
#### Estimate Of Flow Rates

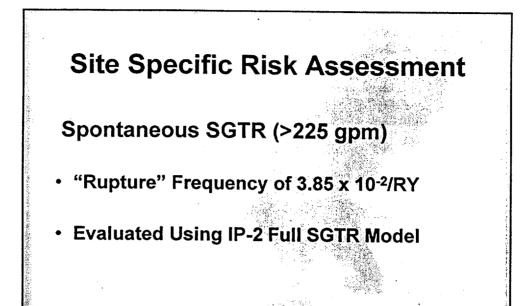
- Crack Length Converted To Flow Rate Based On NUREG 6365 Data
- If Leakage Occurred, Was It Above Or Below 225 gpm?









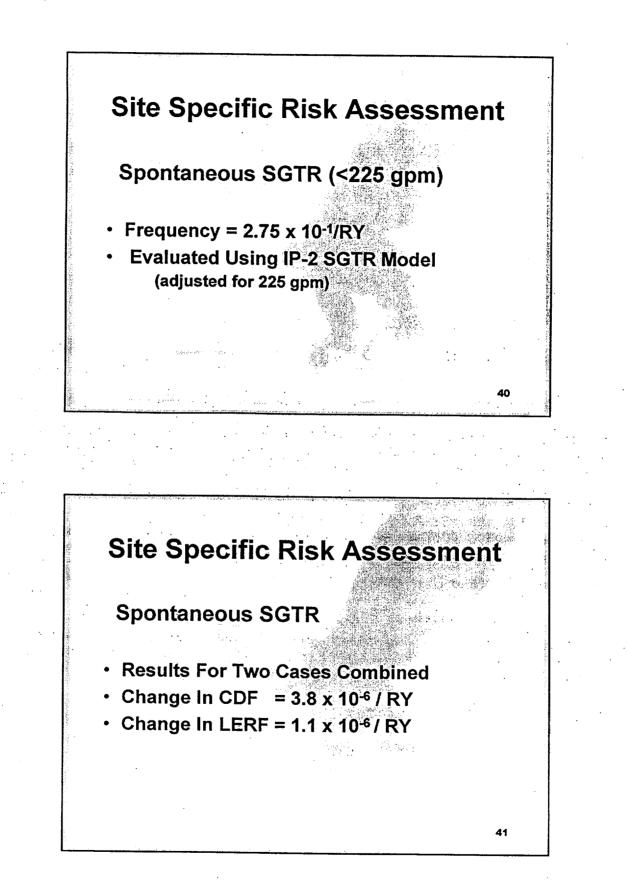


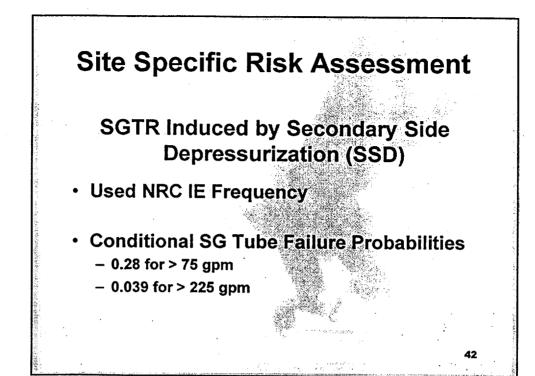
#### Site Specific Risk Assessment

Spontaneous SGTR (> 225 gpm)

- Conditional Probability of LERF = 0.13
- Separate Plant Damage States
- Many Sequences Involve Late Releases



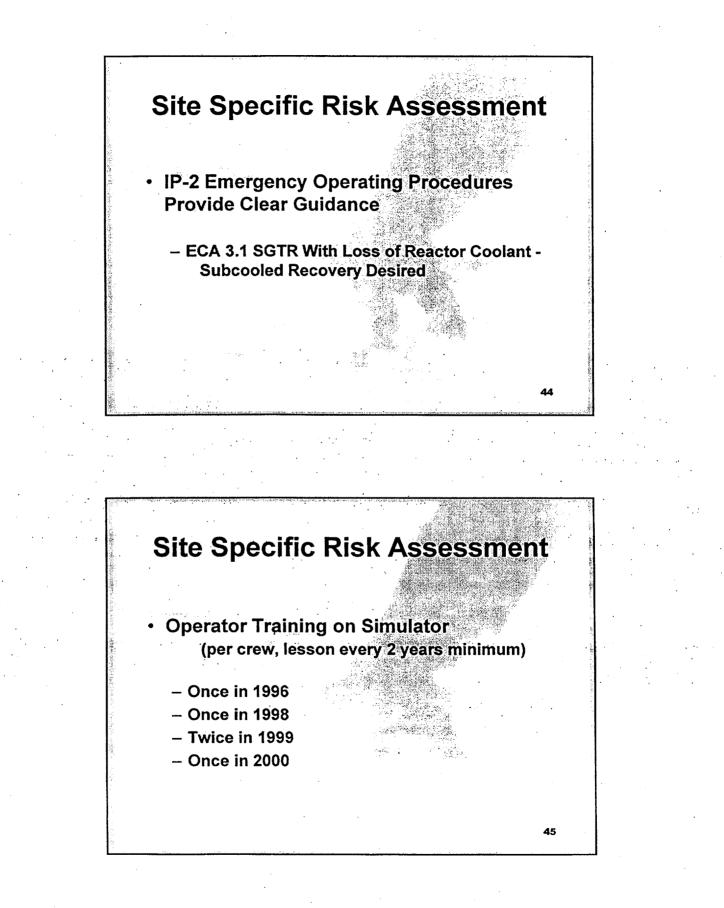


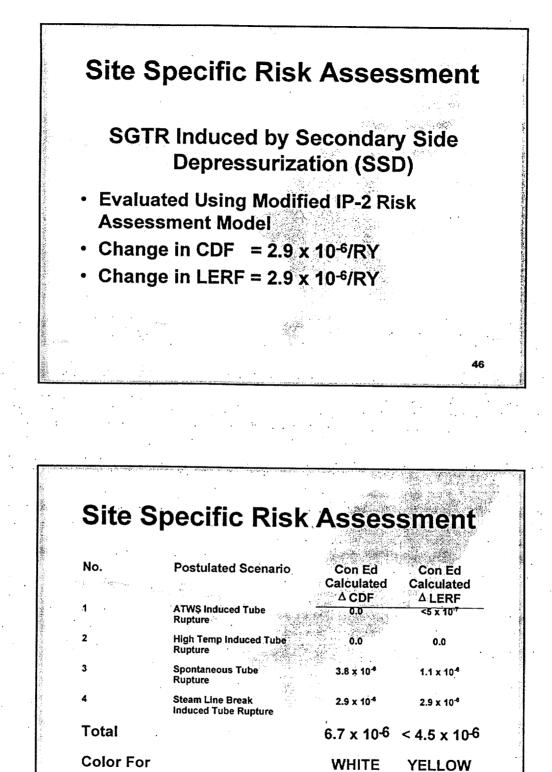




SGTR Induced by Secondary Side Depressurization (SSD)

- Evaluated Using Modified IP-2 SGTR Model
- EOP Guidance and Operator Training





Total

