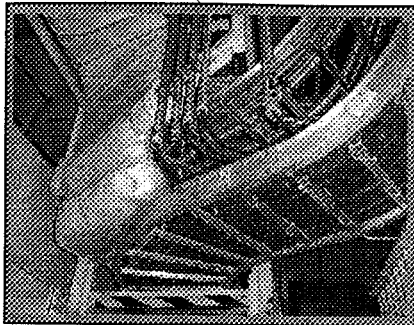


# Farley Kaowool Status



Farley Nuclear Plant

March 27, 2001

**SOUTHERN  
COMPANY**  
Energy to Grow Your World™

## Agenda

- Brief History of Kaowool at FNP
- Appendix R Reevaluation
- Preliminary Plans

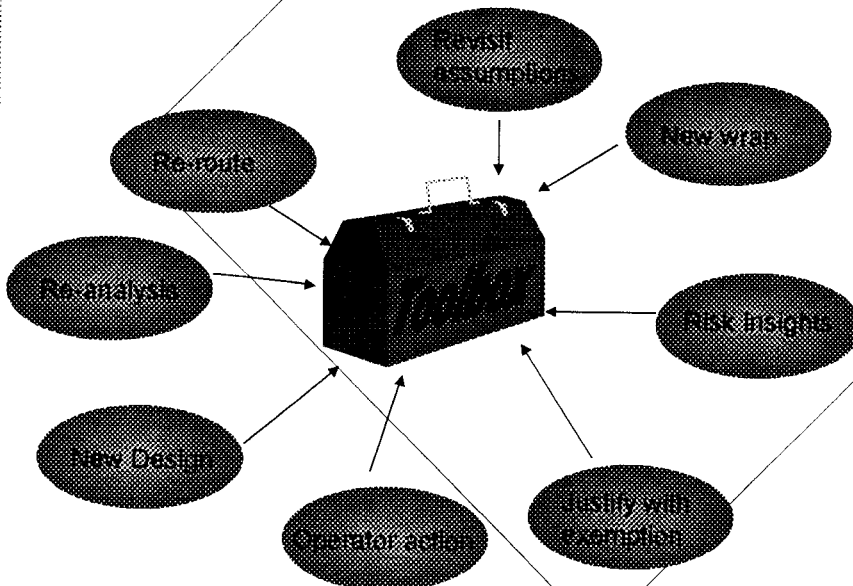
## Brief History of Kaowool at FNP

- FNP selected and installed Kaowool to meet original raceway fire protection requirements BTP APCSB 9.5-1 (late 70s)
- FNP requested and was granted specific Appendix R exemptions to 1hr fire barrier requirements based on Kaowool use. (mid 80s)
- NRC questioned technical basis of exemptions and acknowledges their approval but no longer understands the basis for granting (1999)
- SNC commits to address NRC concerns (2000)

## Appendix R Analysis

- 19 Fire Areas identified for Analysis
- Alternatives to eliminate the need for Kaowool were developed for each area.
- Options were reviewed by multi-disciplined team, including PRA Analyst.
- Best options were presented to Management for approval.

## Appendix R Analysis



## Preliminary Plans

- **Current best options include:**
  - **modifications**
    - Reroute Cable
    - Install Fire Rated Cable
    - Install Local Instrumentation & Switches
    - Install new suppression
    - Upgrade fire barrier walls
  - **new or modified operator actions**
- **Options and schedule continue to be under development as cost and scope is refined.**

## Preliminary Plans

- **SNC believes it will be able to eliminate the need for reliance on Kaowool to meet Appendix R.**
- **Some new exemptions may be needed.**

Remove Five Barrier Resolution

## Preliminary Schedule

- **Detailed design work is to begin in June, 2001**
- **Implementation of modifications will be scheduled in consideration of existing outage and non-outage work periods and priorities.**