

RIC 2003

Fire Protection, Session T10

Challenges and Solutions

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Background

- Conservative fire protection regulations
 - Vary somewhat with plant vintage
- Differing interpretations of regulatory guidance
- Diverse designs and licensing bases
- Numerous exemptions and deviations
- NRC and industry personnel turnover

Challenges and Solutions

■ Challenges

- Issue proliferation
- Communication

■ Issues

- NFPA 805 rulemaking
- Fire-induced circuit failures
- Manual actions
- Inspections/assessments/SDP

■ Solutions

- Issue management
- Better communication

■ Resolution

- Clear rule language and implementing guidance
- NEI 00-01
- Clear manual actions guidance
- Improved SDP and self-assessment credit

Opportunities

- Provide risk-informed environment for issue management and resolution
- Focus on safety while maintaining compliance
- Create equality of expectations between NRC and industry