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Fire Protection Issue Management

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Fire Protection Issues

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- NFPA 805
- Circuits
- Manual Actions
- CO_2 System Lockouts
- RCP Seal Cooling
- Epoxy Coatings
- Hemyc
- Seismic Gap Fire Barrier

NFPA 805

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- Risk-informed, performance-based approach to fire protection
- Focus on safety
- Flexibility
- Single set of licensing requirements
- "Safe today / Safe tomorrow" philosophy

Circuits

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- Inconsistent interpretation of regulations
- Enforcement discretion instituted
- Guidelines for risk-informed inspections
- Inspections will resume in January 2005

Manual Actions

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- Used in lieu of III.G.2 requirements
- Interim enforcement discretion policy
- Rulemaking: amendment of Appendix R
- Acceptance criteria

CO_2 System Lockouts

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- Potential hazards with automatic systems
  - Inadvertent discharges
- Consider alternative suppression
  - Conversion to manual actuation
  - Replacement with other automatic suppression
- NRC approval before modifying
  - Consider reliability of alternate suppression

RCP Seal Cooling

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- Loss of RCP seal cooling could result in a seal failure
- Request by Westinghouse Owners Group (WOG) to study the issue
- Possible procedural violations
- Possible generic communication

Epoxy Coatings

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- Used extensively in nuclear power plants
- Not significant fire risk when properly used
  - Considered non-combustible when properly installed
- Unusual coating configurations could cause non-compliances

Hemyc

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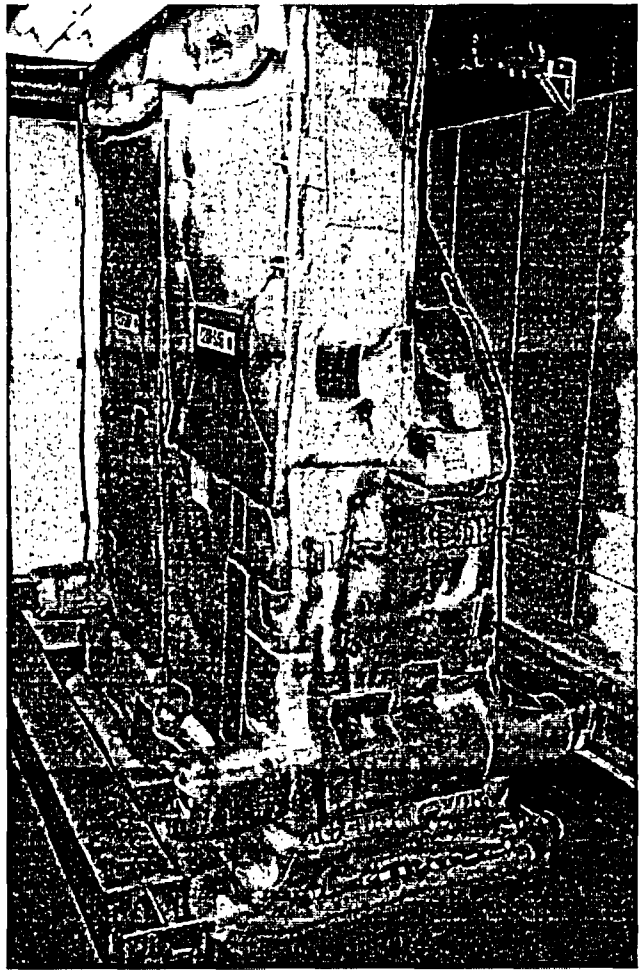
- Ongoing testing by the Office of Nuclear Regulatory Research
- Test report to be issued in March 2005



Seismic Gap Fire Barrier

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- Incomplete fire barriers
- Deficient original seismic gap fire barrier design
- Provide minimum of 20 minutes fire endurance protection
- Very low safety significance
  - Protection provided for credible fire scenarios