

Fire Protection & 10 CFR 50, Appendix R Reference Document Library

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Federal Register/Code of Federal Regulations

- 45 FR 76602-76616, November 19, 1980, 10 CFR 50, Fire Protection Program for Operating Nuclear Power Plants
- 46 FR 44734-44735, September 8, 1981, 10 CFR 50, Fire Protection Rule; Corrections
- 64 FR 53582-53617, October 4, 1999, 10 CFR 50.59 and 10 CFR 72.48, Changes, Tests, and Experiments; related sections; Final Rule
- 10 CFR 50.7, Employee Protection
- 10 CFR 50.12, Specific Exemptions
- 10 CFR 50.48, Fire Protection
- 10 CFR 50.59, Changes, Tests, and Experiments, 1/1/99
- 10 CFR 50.59, Changes, Tests, and Experiments, Final Rule Pending, 10/4/99
- 10 CFR 50.71, Maintenance of Records, Making of Reports
- 10 CFR 50.72, Immediate Notification Requirements for Operating Nuclear Power Reactors
- 10 CFR 50.109, Backfitting
- 10 CFR 50, Appendix A, General Design Criteria for Nuclear Power Plants
GDC 3, Fire Protection
- 10 CFR 50, Appendix R, Fire Protection for Nuclear Power Facilities Operating Prior to January 1, 1979

NRC Generic Letters

- 81-12, Fire Protection Rule, February 20, 1981
- 81-12, Clarification 1; Fire Protection Rule - Appendix R, Roger J. Mattson to Darrell G. Eisenhut, March 22, 1982 
- 81-21, Natural Circulation Cooldown, May 5, 1981
- 82-21, Technical Specifications for Fire Protection Audits, October 6, 1982
- 83-33, NRC Positions on Certain Requirements of Appendix R to 10 CFR 50, October 19, 1983
- 85-01, Fire Protection Policy Steering Committee Report, January 9, 1985
- 85-09, Technical Specifications for Generic Letter 83-28, Item 4.3, May 23, 1985
- 86-10, Implementation of Fire Protection Requirements, April 24, 1986
- 86-10, Supplement 1, Fire Endurance Test Acceptance Criteria for Fire Barrier Systems Used to Separate Redundant Safe Shutdown Trains Within the Same Fire Area, March 25, 1994
- 88-12, Removal of Fire Protection Requirements From Technical Specifications, August 2, 1988
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- 92-08, Thermo-Lag 330-1 Fire Barriers, December 7, 1992
- 93-03, Verification of Plant Records, October 20, 1995
- 93-06, Research Results On Generic Safety Issue 106, "Piping and the Use of Highly Combustible Gases In Vital Areas," October 25, 1993
- 95-01, NRC Staff Technical Position on Fire Protection for Fuel Cycle Facilities, January 26, 1995

Regulatory Guides

- DG-1097 (Draft), Fire Protection for Operating Nuclear Power Plants, June 2000
- 1.32, Criteria for Safety-Related Electric Power Systems for Nuclear Power Plants, Rev. 2, February 1977
- 1.39, Housekeeping Requirements for Water-Cooled Nuclear Power Plants, Rev. 2, September 1977
- 1.52, Design, Testing, and Maintenance Criteria for Post-Accident Engineered Safety Feature Atmosphere Cleanup System Air Filtration and Adsorption Units of Light-Water-Cooled Nuclear Power Plants, Rev. 2, March 1978

- 1.75, Physical Independence of Electric Systems, Rev. 2, September 1978
- 1.101, Emergency Planning and Preparedness for Nuclear Power Reactors, Rev. 3, August 1992
- 1.174, An Approach for Using Probabilistic Risk Assessment In Risk-Informed Decisions On Plant-Specific Changes to the Licensing Basis, July 1998
- 1.189, Fire Protection for Operating Nuclear Power Plants, April 2001
- 1.191, Fire Protection for Nuclear Power Plants During Decommissioning and Permanent Shutdown, May 2001
- Safety Guide 6, Independence Between Redundant Standby (Onsite) Power Sources and Between Their Distribution Systems

NRC Branch Technical Positions


- Branch Technical Position APCSB 9.5-1, Guidelines for Fire Protection for Nuclear Power Plants, Rev. 1, May 1, 1976
- Appendix A to Branch Technical Position APCSB 9.5-1, Guidelines for Fire Protection for Nuclear Power Plants, August 23, 1976
- Branch Technical Position CMEB 9.5-1, Guidelines for Fire Protection for Nuclear Power Plants, Rev. 2

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- NUREG-75/087, Standard Review Plan, Section 9.5.1, Fire Protection Program, Rev. 1, May 1, 1976
- NUREG-75/087, Standard Review Plan, Section 9.5.1, Fire Protection Program, Rev. 2
- NUREG-0800, Standard Review Plan, Section 9.5.1, Fire Protection Program, Rev. 3, July 1981
- NUREG-1022, Rev. 1, Event Reporting Guidelines: 10 CFR 50.72 and 50.73, January 1998
- NUREG-1022, Rev. 2, Event Reporting Guidelines: 10 CFR 50.72 and 50.73, October 2000
- NUREG-1521, Technical Review of Risk-Informed, Performance-Based Methods for Nuclear Power Plant Fire Protection Analyses, July 1998

SECY Letters

- 83-269, Fire Protection Rule for Future Plants (SECY 82-267), July 5, 1983
- 97-127, Development of a Risk-Informed, Performance-Based Regulation for Fire Protection at Nuclear Power Plants, June 19, 1997
- 98-058, Staff Requirements: SECY 98-058 - Development of a Risk-Informed, Performance-Based Regulation for Fire Protection at Nuclear Power Plants, June 30, 1998
- 98-187, Interim Status Report -- Fire Protection Functional Inspection Program, August 3, 1998
- 99-140, Recommendation for Reactor Fire Protection Inspections (WITS Item 199700021), May 20, 1999
Attachment 1, Fire Risk Fact Sheet (not dated) 

- Attachment 2, Fire Protection Functional Inspection Pilot Program: Final Report, April 1999
- 99-182, Assessment of the Impact of Appendix R Fire Protection Exemptions On Fire Risk, July 9, 1999
- 99-204, Kaowool and FP-60 Fire Barriers, August 4, 1999

NRC Memos

- Nuclear Plant Fire Protection Functional Responsibilities, Administrative Controls and Quality Assurance, R. Ferguson & P. Matthews To D. Eisenhut, et al., June 20, 1977
- Fire Protection Rule - Appendix R, Roger J. Mattson to Darrell G. Eisenhut, March 22, 1982
- [Potential Control Room Fires], Harold R. Denton to S. A. Bernson, April 20, 1982 
- Position Statement on Allowable Repairs for Alternative Shutdown and on the Appendix R Requirement for Time Required to Achieve Cold Shutdown, Roger J. Mattson to Richard M. Vollmer, July 2, 1982 
- Use of the Automatic Depressurization System (ADS) and Low Pressure Coolant Injection (LPCI) to Meet Appendix R, Alternate Shutdown Goals; L. S. Rubenstein to Roger J. Mattson, December 3, 1982 

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Oil Collection System Reactor Coolant Pumps, Florida Power and Light Company St. Lucie 2 - Docket No. 50-389 from J. Olshinski to D. Eisenhut, April 1, 1983 (S)

Recommended Fire Protection Policy and Program Actions; Fire Protection Policy Steering Committee to William J. Dircks, October 26, 1984
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Draft Fire Protection Functional Inspection (FPFI) Procedure; David L. Wigginton to John R. McGaha, Jr., June 5, 1997

Enforcement Guidance Memorandum - Disposition of Violations of Appendix R, Sections III G and III L Regarding Circuit Failures; James Lieberman to Hubert J. Miller, et al., March 2, 1998

Summary of NRC Fire Protection Inspection Workshop Held on November 10, 1998; Ledyard B. Marsh to Gary M. Holahan, December 24, 1998

NRC Regulatory Issue Summary 99-02, Relaxation of Technical Specification Requirements for PORC Review of Fire Protection Program Changes, October 13, 1999
Response to Task Force Interface Agreement (TIA 2001-003) Regarding Fire Protection Compensatory Measures at Millstone Nuclear Power Station, Unit No. 3 (TAC No. MB1606, Ledyard B. Marsh to A. Randolph Blough, October 16, 2001

NRC Bulletins

77-08, Assurance of Safety and Safeguards During an Emergency - Locking Systems, December 28, 1977

81-03, Flow Blockage of Cooling Water to Safety System Components by Corbicula Sp. (Asiatic Clam) and Mytilus Sp. (Mussel), April 10, 1981

92-01, Supplement 1, Failure of Thermo-Lag 330 Fire Barrier System to Perform Its Specified Fire Endurance Function, August 28, 1992

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83-41, Actuation of Fire Suppression System Causing Inoperability of Safety-Related Equipment, June 22, 1983

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- 84-09, Revision 1, Lessons Learned From NRC Inspections of Fire Protection Safe Shutdown Systems (10 CFR 50, Appendix R), March 7, 1984
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- 86-35, Fire In Compressible Material at Dresden Unit 3, May 15, 1986
- 87-14, Actuation of Fire Suppression System Causing Inoperability of Safety-Related Ventilation Equipment, March 23, 1987
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- 88-45, Problems In Protective Relay and Circuit Breaker Coordination, July 7, 1988
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- 91-77, Shift Staffing at Nuclear Power Plants, November 6, 1991
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- 92-18, Potential for Loss of Remote Shutdown Capability During a Control Room Fire, February 28, 1992
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- 94-12, Insights Gained from Resolving Generic Issue 57: Effects of Fire Protection System Actuation on Safety-Related Equipment, February 9, 1994
- 94-22, Fire Endurance and Ampacity Derating Test Results for 3-Hour Fire-Rated Thermo-Lag 330-1 Fire Barriers, March 16, 1994
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- 94-86, Legal Actions Against Thermal Science, Inc., Manufacturer of Thermo-Lag, December 22, 1994
- 94-86, Supplement 1, Legal Actions Against Thermal Science, Inc., Manufacturer of Thermo-Lag, November 15, 1995
- 95-33, Switchgear Fire and Partial Loss of Offsite Power at Waterford Generating Station, Unit 3, August 23, 1995
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- 95-52, Supplement 1, Fire Endurance Test Results for Electrical Raceway Fire Barrier Systems Constructed from 3M Company Interam Fire Barrier Materials, March 17, 1998
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- 99-34, Potential Fire Hazard In the Use of Polyalphaolefin In Testing of Air Filters, December 28, 1999

Fire Protection Inspection Information

- The Revised NRC Oversight Program, presentation slides, Alan L. Madison, NRR/NRC, undated
- Draft Fire Protection Functional Inspection (FPFI) Procedure, June 4, 1997
- Fire Protection Risk Significance Screening Methodology, presentation slides, PSAB/PSB, Region IV PRA Workshop, July 20, 1999
- Fire Protection Baseline Inspection Activities, Resident Inspector and Triennial Team Preparation, Coordination, and Onsite Inspection Activities, presentation slides, Leon Whitney, Plant Systems Branch, NRR, September 1999 

- Fire Protection Baseline Inspection Procedure, Structure and Content, presentation slides, Leon Whitney, SPLB/DSSA/NRR, September 1999 
- Fire Protection Functional Inspection Pilot Program and New Baseline Inspection Program, presentation slides, Steven West, FPESPS/NRR/NRC, September 13, 1999
- IP 64100, Postfire Safe Shutdown, Emergency Lighting and Oil Collection at Operating and Near-Term Operating Reactor Facilities
- IP 64150, Triennial Postfire Safe Shutdown Capability Reverification
- IP 64704, Fire Protection Program, June 24, 1998
- IP 71111, Fire Protection Triennial Inspection Procedure, Attachment 71111.05, March 23, 2001
- IP 71152, Identification and Resolution of Problems, March 06, 2001
- NRC Inspection Manual, Chapter 0609, Significance Determination Process, February 27, 2001
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