

NRC INSPECTION MANUAL

DIRS

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| 70302 | Preoperational Test Program Implementation 10/01/83 (reactivated 08-032) |
| 70304 | Engineered Safety Features Test - Preoperational Test Procedure Review 08/06/03 (03-028) |
| 70305 | Reactor Protection System Test Preoperational Test Procedure Review Preoperational Testing Procedure Verification 01/01/79 (reactivated 08-032) |
| 70307 | Containment Integrated Leak Rate Test - Procedure Review 03/07/86 (86-13) |
| 70308 | Preoperational Hot Functional Testing - PWR Procedure Review) 10/01/83 (reactivated 08-032) |
| 70311 | Preoperational Testing Procedure Verification 10/01/83 (reactivated 08-032) |
| 70312 | Preoperational Test Witnessing 10/01/83 (reactivated 08-032) |
| 70313 | Containment Integrated Leak Rate Test 11/12/85 (85-36) |
| 70314 | HFT Witnessing 10/01/81 (reactivated 08-032) |
| 70315 | Engineered Safety Features Test Preoperational Test Witnessing) 01/01/79 (reactivated 08-032) |
| 70316 | Loss of Offsite Power Test Preoperational Test Witnessing 01/01/79 (reactivated 08-032) |
| 70317 | Reactor Protection System Test Preoperational Test Witnessing 01/01/79 (reactivated 08-032) |
| 70323 | Containment Leak Rate Test Results Evaluation 10/03/85 (85-30) |
| 70324 | Preoperational Test Results Evaluation - Integrated Hot Functional Test 04/01/77 (reactivated 08-032) |
| 70325 | Preoperational Test Results Evaluation - Reactor Protection System 01/01/79 (reactivated 08-032) |

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| 70326 | Preoperational Test Results Evaluation - Loss of Offsite Power 01/01/79 (reactivated 08-032) |
| 70329 | Preoperational Test Result Evaluation Verification 10/01/83 (reactivated 08-032) |
| 70362 | Reactor Coolant System Hydrostatic Test Procedure Review 10/01/83 (reactivated 08-032) |
| 70367 | Reserved for Part 52 Pre-operational Test Program Implementation |
| 70368 | Reserved for Part 52 Containment Leak Rate Testing (Programmatic) |
| 70369 | Reserved for Part 52 Containment Leak Rate Testing |
| 70370 | Testing Piping Support and Restraint Systems 03/07/86 (86-13) |
| 70371 | Reserved for Part 52 Testing of Pipe Support and Restraint System |
| 70400 | Preoperational Test Results Evaluation 10/01/83 (reactivated 08- 032) |
| 70462 | Reactor Coolant System Hydrostatic Test - Test Witnessing 10/01/83 (reactivated 08-032) |
| 70562 | Reactor Coolant System Hydrostatic Test Results Evaluation 10/01/83 (reactivated 08-032) |
| 70701 | Reserved |
| 70702 | Reserved |

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| 71002 | License Renewal Inspection 02/18/05 (05-006) |
| 71003 | Post-Approval Site Inspection for License Renewal 10/31/08 (08-031) |
| 71004 | Power Uprate 07/01/08 (08-019) |
| 71005 | Inspector Review of Licensing-Related Information 08/05/03 (03-027) |
| 71007 | Reactor Vessel Head Replacement Inspection 06/04/07 (07-018) |
| 71111 | Reactor Safety-Initiating Events, Mitigating Systems, Barrier Integrity 05/16/08 (08-015) |
| 71111.DS | Safety System Design and Performance Capability 05/06/03 (03-015) |
| 71111.EP | Equipment Availability, and Functional Capability 05/06/03 (03-015) |
| 71111.HS | Heat Sink Performance 05/06/03 (03-015) |
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| 71111.01 | Adverse Weather Protection 05/01/08 (08-013) |
| 71111.04 | Equipment Alignment 02/27/07 (07-007) |
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| 71111.05N | Reserved for Fire Protection - NFPA 805 (Triennial) |
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| 71111.11 | Licensed Operator Requalification Program 1/05/06 (06-001) |
| 71111.12 | Maintenance Effectiveness 01/31/08 (08-005) |
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| 71111.17 | Evaluations of Changes, Tests, or Experiments and Permanent Plant Modifications 10/31/08 (08-031) |
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| 71111.20 | Refueling and Other Outage Activities 01/31/08 (08-005) |
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| 71114 | Reactor Safety-Emergency Preparedness 06/29/06 (06-016) |
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| 71114.04 | Emergency Action Level and Emergency Plan Changes 10/31/08 (08-031) |
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| 71121.01 | Access Control to Radiologically Significant Areas 03/06/02 (02-008) |
| 71121.02 | ALARA Planning and Controls 03/06/08 (02-008) |
| 71121.03 | Radiation Monitoring Instrumentation 03/06/02 (02-008) |
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| 71122.02 | Radioactive Material Processing and Transportation 01/24/03 (03-001) |
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| 71303 | Part 52, Technical Specifications Review 10/20/08 (08-029) |
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| 71715 | Sustained Control Room and Plant Observation 04/14/92 (92-004) |
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| 72301 | Startup Test Results Evaluation 01/20/84 (84-04) |
| 72302 | Startup Test Witnessing and Observation 01/20/84(84-04) |
| 72303 | Startup Testing for ABWR: Test Procedure Review, Test Witnessing, and Test Results Evaluation 09/05/06 (06-021) |
| 72304 | Startup Testing for AP 1000: Test Procedure Review, Test Witnessing, and Test Results Evaluation 09/05/06 (06-021) |
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| 72500B | Initial Fuel Loading Procedure 04/30/75 (75-16) |
| 72501 | Reserved for Part 52 Initial Fuel Load Procedure Review |
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| 72504B | Heatup Phase Procedure Review 04/30/75 (75-16) |
| 72508B | Power Ascension Procedure Review: HPCI System 07/01/80 (80-16) |
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| 72514B | Startup Test Procedure Review - Turbine Trip/Generator Trip 07/01/80 (80-16) |
| 72516B | Startup Test Procedure Review - Shutdown From Outside the Control Room (Group A) 07/01/80 (80-16) |
| 72517B | Startup Test Procedure Review: Loss of Offsite Power (Group A & B) 07/01/80 (80-16) |
| 72518B | Startup Test Procedure Review - Core Performance 07/01/80 (80-16) |

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| 72572B | Low Power Test Procedures Review Moderator Temperature Coefficient and Boron Worth or Control Rod Worth and Pseudo Rod Ejection Worth 07/01/80 (80-16) |
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| 73055 | Preservice Inspection Data Review and Evaluation 01/01/79 (reactivated 07-034) |
| 73753 | Inservice Inspection 06/24/98 (98-010) |
| 73754 | Reserved for Part 52 Inservice Inspection - Observation of Work and Work Activities |
| 73755 | Inservice Inspection - Data Review and Evaluation 01/14/86 (86-03) |
| 73756 | Inservice Testing of Pumps and Valves 07/27/95 (95-009) |
| 73757 | Part 52 Inservice Inspection - Data Review and Evaluation 04/18/08 (08-012) |

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7400 Reserved

7500 Reserved

7600 Reserved

7700 Reserved

7800 High Level Waste

78010 10 CFR Part 21 Program 09/11/08 (08-026)

7900 Water Chemistry

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79502 Plant Systems Affecting Plant Water Chemistry 12/31/91
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79503 Reserved for Part 52 LWR Water Chem. Control & Chem. Analysis
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79504 Reserved for Part 52 Plant systems Affecting Plant Water Chem.

79702 Control and monitoring of Radiological Source Term
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8000 Environmental Protection

80210 Environmental Protection - Initial and Periodic Inspections
06/22/05 (05-016)

80211 Reserved for Part 52 Environmental Protection - Initial & Periodic
Inspection

80521 Radiological Environmental Monitoring (Preoperational and
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80522 Part 52, Radiological Environmental Monitoring Program (REMP)
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80721 Radiological Environmental Monitoring 09/17/01(01-017)

8100 Physical Security

81001 Independent Spent Fuel Storage Installations 09/17/01 (01-017)

81001.1 Independent Spent Fuel Storage Installation(s) at Operating Plants
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81018 Physical Security Plan and Implementing Procedures 05/24/07 (07-
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| 81023 | Reserved for Part 52 Security Organization |
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| 81055 | Reserved for Part 52 Physical Barriers - Vital Areas, Material Access Areas & Controlled Access Areas |
| 81058 | Security System Power Supply 09/10/07 (07-027) |
| 81059 | Reserved for Part 52 Security System Power Supply |
| 81062 | Lighting 09/10/07 (07-027) |
| 81063 | Reserved for Part 52 Lighting |
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| 81067 | Reserved for Part 52 Assessment Aides |
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| 81071 | Reserved for Part 52 Access Control - Personnel |
| 81072 | Access Control (Power Reactor) - Packages 05/09/84 (84-15) |
| 81073 | Access Control (Fuel Facility) - Packages, Material, and SSNM 05/09/84 (84-15) |
| 81074 | Access Control - Vehicles 05/09/84 (84-15) |
| 81075 | Reserved for Part 52 Access Control - (Power Reactors) – Packages |
| 81076 | Reserved for Part 52 Access Control - Vehicles |
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| 81080 | Detection Aids - VA, MAA, and CAA 05/09/84 (84-15) |
| 81081 | Reserved for Part 52 Detection Aids - VA, MAA, & CAA |
| 81084 | Alarm Stations 09/10/07 (07-027) |
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| 81402 | Reports of Safeguards Events 06/13/85 (85-23) |
| 81411 | Physical Protection for Reactors with Formula Quantities of Special Nuclear Material 11/04/85 (85-34) |
| 81421 | Fixed Site Physical Protection of Special Nuclear Material of Moderate Strategic Significance 06/13/85 (85-23) |
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| 81502 | Fitness for Duty Program 05/31/91 (91-008) |
| 81503 | Reserved for Part 52 Personnel Training and Qualification - Gen. Requirements |
| 81601 | Safeguards Contingency Plan - Implementation Review 05/09/84 (84-15) |
| 81602 | Reserved for Part 52 Safeguards Contingency Plan - Implementation Review |
| 81700 | Physical Security Program for Power Reactors 07/01/97 (97-010) |
| 81810 | Protection of Safeguards Information 09/10/07 (07-027) |
| 81811 | Reserved for Part 52 Physical Protection Safeguards Information |
| 81815 | Authorizations for Access to National Security Information (NSI) and Restricted Data (RD) 04/30/97 (97-005) |
| 81820 | Physical Protection Facility Approval and Safeguarding of National Security Information (NSI) and Restricted Data (RD) 04/30/97 (97-005) |

8200 Emergency Planning

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| 82201 | Emergency Detection and Classification 03/23/05 (05-008) |
| 82202 | Protective Action Decision Making 03/23/05 (05-008) |
| 82301 | Evaluation of Exercises for Power Reactors 12/31/96 (96-024) |
| 82302 | Review of Exercise Objectives and Scenarios for Power Reactors 06/24/98 (98-010) |
| 82701 | Operational Status of the Emergency Preparedness Program 12/31/96 (96-024) |

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8300 Radiation Protection

- 83100 Occupational Exposure During SAFSTOR and DECON
12/30/91 (91-022)
- 83501 Significant Uncontrolled Radiation Exposures
04/17/00 (00-006)
- 83502.01 Radioactive Gaseous and Liquid Treatment and Monitoring
Systems 04/17/00 (00-006)
- 83502.02 Radioactive Material Process and Transportation
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- 83502.03 Radiological Environmental Monitoring Program and
Radioactive Material Control Program 04/17/00 (00-006)
- 83521 Radiation Protection - Startup 01/01/84 (84-01)
- 83522 Radiation Protection, Plant Chemistry, Radwaste, and
Environmental: Organization and Management Controls 12/31/91
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- 83523 Radiation Protection, Plant Chemistry, Radwaste, Transportation
and Environmental: Training and Qualifications 01/01/84
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- 83524 External Occupational Exposure Control and Personal Dosimetry
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- 83525 Internal Exposure Control and Assessment (Preoperational and
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- 83526 Control Of Radioactive Materials and Contamination, Surveys, and
Monitoring (Preoperational And Supplemental) 01/01/84
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- 83527 Facilities and Equipment (Preoperational and Supplemental)
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- 83529 Reserved for Part 52 Radiation Protection – Startup
- 83531 Reserved for Part 52 Radiation Protection, Plant Chemistry,
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- 83532 Reserved for Part 52 Radiation Protection, Plant Chemistry, and
Radwaste Training
- 83533 Reserved for Part 52 External Occupational Exposure Control and
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- 83534 Reserved for Part 52 Internal Exposure Control
- 83535 Reserved for Part 52 Control of Radioactive Materials and
Contamination, Surveys, and Monitoring
- 83536 Reserved for Part 52 Facilities and Equipment
- 83537 Reserved for Part 52 Maintaining Occupational Exposures ALARA
- 83722 Radiation Protection, Plant Chemistry, and Radwaste:
Organization and Management Controls (Minimum/Basic)
09/17/01 (01-017)
- 83723 General Employee, Radiation Safety, Plant Chemistry,
Radwaste, and Transportation Training 12/16/03(03-041)
- 83724 External Occupational Exposure Control and Personal
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| 83726 | Control of Radioactive Materials and Contamination, Surveys, and Monitoring 09/17/01 (01-017) |
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| 83728 | Maintaining Occupational Exposures ALARA 04/17/00 (00-006) |
| 83729 | Occupational Exposure During Extended Outages 12/31/91 (91-021) |
| 83746 | Offsite Dose Calculation Manual (ODCM) 07/29/08 (08-021) |
| 83750 | Occupational Radiation Exposure 06/06/02 (02-023) |
| 83801 | Inspection of Remedial and Final Surveys at Permanently Shutdown Reactors 09/05/06 (06-020) |
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8400 Radioactive Waste Management

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| 84101 | Radioactive Waste Management 12/30/91 (91-022) |
| 84521 | Radwaste - Startup 01/01/84 (84-01) |
| 84522 | Solid Wastes (Preoperational and Supplemental) 01/01/84 (reactivated 08-032) |
| 84523 | Liquids and Liquid Wastes (Preoperational and Supplemental) 01/01/84 (reactivated 08-032) |
| 84524 | Gaseous Waste System (Preoperational and Supplemental) 01/01/84 (reactivated 08-032) |
| 84525 | Quality Assurance and Confirmatory Measurements for In-Plant Radiochemical Analysis (Preoperational and Supplemental) 5/23/85 (reactivated 08-032) |
| 84526 | Reserved for Part 52 Radwaste – Startup |
| 84527 | Part 52, Solid Waste Management System 07/01/08 (08-019) |
| 84528 | Reserved for Part 52 Liquid Waste Management System |
| 84529 | Reserved for Part 52, Gaseous Waste Management System (Preoperational and Supplemental) |
| 84750 | Radioactive Waste Treatment, and Effluent and Environmental Monitoring 03/15/94 (94-006) |
| 84850 | Radioactive Waste Management - Inspection of Waste Generator Requirements of 10 CFR 20 and 10 CFR 61 06/06/02 (02-023) |
| 84900 | Low-Level Radioactive Waste Storage 10/20/00 (00-022) |

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8500 Material Control and Accountability

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| 85103 | Reserved for Part 52 Material Control and Accounting - Reactor |
| 85200 | MC&A for Licensees Possessing Less Than or Equal to One Effective Kilogram of SNM 04/10/85 (85-15) |
| 85203 | Facility Organization and Management Controls 01/17/86 (86-04) |
| 85205 | Facility Operations and Internal Controls 04/10/85 (85-15) |
| 85207 | Measurement Systems 01/17/86 (86-04) |
| 85209 | Measurement Control and Statistics 04/10/85 (85-15) |
| 85211 | Physical Inventory 01/17/86 (86-04) |
| 85215 | Records and Reports 01/17/86 (86-04) |
| 85301 | MC&A for Imports and Exports 07/18/84 (84-22) |
| 85303 | MC&A Management Structure and Personnel Training and Qualification 03/18/91 (91-005) |
| 85305 | Item Monitoring 03/18/91 (91-005) |
| 85307 | Process Monitoring 03/18/91 (91-005) |
| 85309 | Measurement Systems and Control 03/18/91 (91-005) |
| 85311 | Physical Inventory 03/18/91 (91-005) |
| 85313 | Alarm Resolution 03/18/91 (91-005) |
| 85315 | Accounting and Internal Control 03/18/91 (91-005) |
| 85401 | Management Structure 07/22/99 (99-011) |
| 85402 | Measurement Control 07/22/99 (99-011) |
| 85403 | Measurement Control Program 07/22/99 (99-011) |
| 85404 | Physical Inventory 10/23/96 (96-021) |
| 85405 | Item Control Program 07/22/99 (99-011) |
| 85406 | Resolution Program 10/23/96 (96-021) |
| 85407 | Assessment Program 07/22/99 (99-011) |
| 85408 | Recordkeeping 07/22/99 (99-011) |
| 85420 | Inspection of IAEA Safeguards for Inspectors at Power Reactors 06/22/88 (88-07) |
| 85425 | Implementation of US/IAEA Safeguards Agreement at Fuel Facilities 06/22/88 (88-07) |
| 85501 | Inventory Program 07/22/99 (99-011) |
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8600 Spent Fuel and Other Radioactive Material Packaging and Shipping

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9700 Reserved

9800 Reserved

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| ASME Section III | American Society of Mechanical Engineers ASME Boiler and & XI Pressure Vessel Code, Section III & XI 11/12/96 (96-022) |
| ASME Section XI | American Society of Mechanical Engineers ASME Boiler and Pressure Vessel Code, Section XI 12/08/86 (86-54) |
| ASME Section XI | American Society of Mechanical Engineers ASME, Section XI 05/12/86 (86-26) |
| Oper Det Process | Operability Determinations & Functionality Assessments For Resolution of Degraded or Nonconforming Conditions Adverse to Quality or Safety 09/26/05 (05-026) |
| STS Sec 1.0 | Operability 05/12/86 (86-26) |
| STS Sec 1.0 | Definitions 12/08/86 (86-54) |
| STS Sec 3.0 | Acceptable Measurement Tolerances for Technical Specification Limits 10/01/78 (78-35) |
| STS Sec 3/4.6.4 | Containment and Drywell Isolation Valves 06/09/88 (88-06) |
| STS Sec 3.7.5 | Ultimate Heat Sink 11/25/88 (88-17) |
| STS Sec 3/4.8.1 | TDI Diesel Generator Air Roll Tests 06/09/88 (88-06) |
| STS Sec 4.2.8.X.X | Surveillance Requirements - 125-Volt Battery Bank 10/01/79 (79-22) |
| STS Sec 4.5.1 | Standard Technical Specifications (BWR) 05/12/86 (86-26) |

²[XXXX.XX] attached to each document in Part 9900, is the file name for that document.

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STS Sec 4.8.1.1.2 Surveillance Testing of Diesel Generator Lockout Feature
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STS Surveillance Sections - Locked or Otherwise Secured
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10 CFR GUIDANCE

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| 10 | Title 10 of the Code of Federal Regulations 12/08/86 (86-54) |
| 10CFR71 and 49CFR171-178 | Transportation of Radioactive Material 12/01/04 (04-027) |
| 50.55(e) | Construction Deficiency Reporting 01/31/89 (89-002) |
| 50.55a | Codes and Standards 02/22/73 (73-9) |
| 50.59 | 10 CFR 50.59, Changes, Tests, and Experiments 03/13/01 (01-008) [50_59.CFR] |
| Part 50, App A | Definition of Leak-Before-Break Analysis 09/26/96 (96-020) |
| Part 50 | Appendix J, Containment Integrated Leak Rate Testing 12/08/86 (86-54) |
| 70.51 | Material Balance, Inventory, and Records Requirements 12/19/74 (74-11) |
| 70.52 | Report of Accidental Criticality or Loss of Special Nuclear Material 11/15/74 (74-010) |

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