

NRC INSPECTION MANUAL

DIRS

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| 2600 | Fuel Cycle Facility Operational Safety and Safeguards Inspection Program 12/20/17 (17-030) |
| 2600, App A | Guidance for Conducting Fuel Cycle Inspections 12/20/17 (17-030) |
| 2600, App B | NRC Core Inspection Requirements, Tables 1 and 2 09/24/15 (15-018) |
| 2600, App C | Fuel Cycle Resident Inspection Program 09/24/15 (15-018) |
| 2600, App D | Fuel Cycle Facility Inspection Planning 09/24/15 (15-018) |

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| 2600/016 | Inspection of Activities Associated with NRC Generic Letter 2015-01 11/09/16 (16-029) |
| 2601 | Reactive Inspection Decision Making Process for Fuel Facilities 09/20/16 (16-023) |
| 2602 | Decommissioning Oversight and Inspection Program for Fuel Cycle Facilities and Materials Licensees 07/29/08 (08-021) |
| 2603 | Reserved for Fuel Cycle Facility Construction Inspection Program Assessment |
| 2604 | Licensee Performance Review 09/20/16 (16-023) |
| 2606 | Assessment of the Change in Risk Resulting From a Violation at a Fuel Cycle Facility 04/01/16 (16-010) |
| 2606, E-2 | Evaluation Based on Specific Licensee ISAs 09/26/12 (12-022) |
| 2620 | On-Site Construction Reviews of Remedial Action at Inactive Uranium Mill Tailing Sites (Title I, Uranium Mill Tailings Radiation Control Act) 10/05/01 (01-020) |
| 2630 | Mixed Oxide Fuel Fabrication Facility Construction Inspection Program 09/20/16 (16-023) |
| 2635 | Reserved for Uranium Enrichment Facility Construction and Pre- Operational Readiness Review Inspection Programs |
| 2641 | In-Situ Leach Facilities Inspection Program 08/25/00 (00-014) |
| 2681 | Physical Protection and Transport of SNM and Irradiated Fuel Inspections of Fuel Facilities 10/27/17 (17-023) |
| 2681/009 | Inspection Guidance and Requirements for Physical Protection of the Transfer, Loading and Shipment of Irradiated Special Nuclear Material from General Atomics Facility, San Diego, California to U.S. Department of Energy, Idaho National Laboratory, Scoville, Idaho 08/12/10 (10-017) |
| 2682 | Technical Assistance for Safeguards MC&A Inspections at Fuel Facilities 06/18/84 (84-18) |
| 2683 | MC&A Safeguards Inspection of Fuel Facilities 05/09/14 (14-011) |
| 2690 | Inspection Program for Dry Storage of Spent Reactor Fuel at Independent Spent Fuel Storage Installations and for 10 CFR Part 71 Transportation Packagings 03/09/12 (12-004) |
| 2690/011 | Review of Aging Management Programs at Independent Spent Fuel Storage Installations 01/30/18 (18-002) |
| 2694 | Fuel Cycle Facility Construction and Pre-operational Readiness Review Inspection Programs 08/30/17 (17-017) |
| 2696 | Louisiana Energy Services Gas Centrifuge Facility Construction and Pre- Operational Readiness Review Inspection Programs 10/19/06 (06-028) |
| 2700 | <u>Licensee Contractor and Vendor Inspection Program</u> |
| 2800 | <u>Materials Inspection Program</u> |
| 2800 | Materials Inspection Program 09/12/17 (17-018) |
| 2800/030 | Verification of the Status of Devices Authorized For Use Under a General License 05/30/00 (00-011) |
| 2800/032 | Follow-up - Materials Safeguard Advisory 10/31/01 (01-023) |
| 2800/036 | Inspection of Manufacturing and Distribution Licensees 09/13/04 (04-024) |

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| 2800/037 | Safety Procedures for Panoramic Irradiators Rev 1 07/14/05 (05-019) |
| 2800/038 | Inspection of the Implementation of Increased Controls for Licensees Authorized to Possess Risk Significant Radioactive Material 03/30/06 (06-008) |
| 2800/039 | Verification of Licensee Responses to NRC Requirement for Inventories of Materials Tracked in the National Source Tracking System Pursuant to Title 10 Code of Federal Regulations, Part 20.2207 (10 CFR 20.2207) 04/09/09 (09-011) |
| 2800/040 | Material Control and Accounting at Nuclear Power Plants and Wet Storage Sites 03/07/11 (11-002) |
| 2800/041 | 10 CFR Part 37 Materials Security Review at Facilities with a Title 10 Code of Federal Regulations Part 73 Physical Protection Program 07/01/15 (15-013) |
| 2800/043 | Inspection of Facilities Potentially Contaminated with Discrete Radium-226 Sources 01/06/17 (17-001) |
| 2801 | Uranium Mill 11e.(2) Byproduct Material Disposal Site and Facility Inspection Program 08/25/00 (00-014) |
| 2810 | Master Materials License Oversight and Inspection Program 10/11/12 (12-023) |
| 2815 | Construction and Preoperational Inspection of Panoramic, Wet-Source-Storage Gamma Irradiators 03/27/01 (01-010) |
| 2882 | Transfer of NRC License Files to Agreement State(s) 12/03/01 (01-029) |
| 2900 | <u>Performance Appraisal Program</u> |
| 2901 | Team Inspections 08/24/01 (01-016) |
| 2920 | Construction Appraisal Team Inspection Program 03/29/85 (85-11) |
| 3000 | <u>Management Meetings</u> |
| 30050 | Construction Permit Corporate Management Meeting 04/01/80 (reactivated 07-034) |
| 30703 | Management Meetings - Entrance and Exit Interviews 01/01/82 (reactivated 08-008) |
| 30800 | Initial Management Meeting - Materials Licensees 10/01/76 (76-26) |
| 3100 | <u>Reserved</u> |
| 3200 | <u>Reserved</u> |
| 3300 | <u>Reserved</u> |
| 3400 | <u>Reserved</u> |

3500 Quality Assurance

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| 35002 | Early Site Permit Pre-Docketing Quality Assurance Controls Meeting 05/29/03 (03-018) |
| 35004 | Pre-Docketing Early Site Permit Quality Assurance Controls Inspection 05/29/03 (03-018) |
| 35006 | Post-Docketing Early Site Permit Quality Assurance Controls Inspection 05/29/03 (03-018) |
| 35007 | Quality Assurance Program Implementation During Construction and Pre-Construction Activities 12/08/16 (16-032) |
| 35012 | Early Site Permit Quality Assurance Controls Assessment and Conclusion 05/29/03 (03-018) |
| 35017 | Quality Assurance Implementation Inspection 07/29/08 (08-021) |
| 35023 | Reserved for Design Reliability Assurance Program |
| 35031 | Reserved for Design Certification Pre-Meeting |
| 35032 | Reserved for Pre-Docketing Design Certification Quality Assurance Controls Inspection |
| 35033 | Reserved for Post-Docketing Design Certification Quality Assurance Controls Inspection |
| 35034 | Design Certification Testing Inspection 01/27/10 (10-003) |
| 35060 | Licensee Management of QA Activities 04/01/83 (reactivated 07-032) |
| 35061 | In-Depth QA Inspection of Performance 11/19/85 (reactivated 07-034) |
| 35065 | Procurement, Receiving, and Storage 04/01/83 (Reactivated 07-032) |
| 35101 | QA Program Implementation Inspection for Operational Programs 07/08/16 (16-015) |
| 35301 | Preoperational Testing - Quality Assurance 08/06/03 (03-028) |
| 35701 | Quality Assurance Program Review 09/17/01 (01-017) |
| 35710 | Quality Assurance Inspection of Software Used in Nuclear Applications 01/30/18 (18-002) |
| 35750 | QA Program Measuring and Test Equipment 04/14/92 (reactivated 08-032) |
| 35960 | QA Program Evaluation of Engineering Organization 10/01/82 (reactivated 07-034) |
| 35962 | Reserved for Part 52 QA Program Evaluation of Engineering Service Organization |

3600 Organization and Administration

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| 36100 | Inspection of 10 CFR Parts 21 and 50.55(e) Programs for Reporting Defects and Noncompliance 02/13/12 (12-002) |
| 36100.01 | Inspection of 10 CFR Part 21 and Programs for Reporting Defects and Noncompliance During Construction 02/13/12 (12-002) |
| 36301 | Operational Staffing 07/01/77 (reactivated 08-032) |
| 36302 | Part 52. Operational Staffing 08/19/08 (08-024) |
| 36801 | Organization, Management, and Cost Controls at Permanently Shutdown Reactors 08/11/97 (97-012) |

3700 Design, Design Changes, Modifications

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| 37002 | Construction Refurbishment Process - Watts Bar Unit 2 02/05/10 (10-005) |
| 37051 | Verification of As-Built 12/04/87 (reactivated 07-032) |
| 37055 | Onsite Design Activities 04/01/83 (reactivated 07-032) |
| 37060 | Inspections under the 10CFR Part 50.69 Special Program 09/14/11 (11-016) |
| 37301 | Comparison of As-Built Plant to FSAR Description 03/14/14 (14-008) |
| 37700 | Design Changes, and Modifications 09/17/01 (01-017) |
| 37801 | Safety Reviews, Design Changes, and Modifications at Permanently Shutdown Reactors 08/11/97 (97-012) |
| 37803 | Reserved |
| 37804 | Aircraft Impact Assessment Inspection 02/09/12 (12-001) |
| 37805 | Engineering Design Verification Inspections 04/25/11 (11-007) |

3800 Procurement

3900 Records

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| 39701 | Records Program 09/17/01 (01-017) |
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4000 Review and Audit

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| 40001 | Resolution of Employee Concerns 06/03/97 (97-006) |
| 40002 | Inspections to Review Allegations 06/28/02 (02-024) |
| 40100 | Independent Safety Culture Assessment Follow-up 04/09/15 (15-005) |
| 40505 | Reserved for Effectiveness of Process to Identify, Resolve, and Prevent Construction Problems |
| 40600 | Licensee Program for Inspections, Tests, Analyses, and Acceptance Criteria (ITAAC) Management 07/28/14 (14-017) |
| 40801 | Self-Assessment, Auditing, and Corrective Action at Permanently Shutdown Reactors 08/11/97 (97-012) |

4100 Training

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| 41301 | Pre-Licensing Review of Training and Qualification Programs 02/18/87 (reactivated 08-032) |
| 41500 | Training and Qualification Effectiveness 06/13/95 (95-007) |
| 41501 | Review of Training and Qualification Programs 04/27/16 (16-011) |
| 41502 | Nuclear Power Plant Simulation Facilities 10/16/12 (12-024) |

4200 Procedures

- 42001 Emergency Operating Procedures 06/28/91 (91-009)
- 42051 Fire Prevention and Protection 10/01/77 (reactivated 08-004)
- 42401 Part 52, Plant Procedures 10/27/10 (10-022)
- 42453 Part 52, Operating Procedures Inspection 08/19/08 (08-024)
- 42454 Part 52, Emergency Operating Procedures 09/09/13 (13-020)
- 42700 Plant Procedures 11/15/95 (95-015)

4300 Vendor Procedures

- 43002 Routine Inspections of Nuclear Vendors 01/27/17 (17-002)
- 43003 Reactive Inspections of Nuclear Vendors 12/14/15 (15-029)
- 43004 Inspection of Commercial-Grade Dedication Programs 01/27/17 (17-002)
- 43005 NRC Oversight of Third-Party Organizations Implementing Quality Assurance Requirements 10/08/15 (15-019)
- 43006 Inspection of the Implementation of Mitigation Strategies Orders Regarding the Use of National Response Centers 09/30/16 (16-025)

4400 Reserved

4500 Geotechnical/Foundation

- 45051 Geotechnical/Foundation Activities Procedure Review 05/29/03 (03-018)
- 45051.A Geotechnical/Foundation Activities Procedure Review 03/23/84 (reactivated 08-004)
- 45052 Review of Geotechnical and Site Characterization Activities 10/03/07 (07-030)
- 45053 Geotechnical/Foundation Activities Work Observation 03/23/84 (reactivated 07-034)
- 45055 Geotechnical/Foundation Activities Record Review 03/23/84 (reactivated 07-034)

4600 Structural Concrete

- 46051 Structural Concrete Procedure Review 07/01/83 (reactivated 07-034)
- 46053 Structural Concrete Work Observation 07/01/83 (reactivated 07-034)
- 46055 Structural Concrete Record Review 07/01/83 (reactivated 07-034)
- 46061 Structural Masonry Construction 12/17/86 (reactivated 07-034)
- 46071 Concrete Expansion Anchors 12/17/86 (reactivated 07-034)

4700 Containment (Post-Tensioning)

4800 Structural Steel and Supports

- 48051 Structural Steel and Supports Procedure Review 12/17/86
(reactivated 07-032)
- 48053 Structural Steel and Supports Work Observation 12/17/86
(reactivated 07-032)
- 48055 Structural Steel and Supports Record Review 07/01/83
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4900 Piping

- 49001 Inspection of Erosion/Corrosion Monitoring Programs
12/11/98 (98-019)
- 49051 Reactor Coolant Pressure Boundary Piping QA Review 08/16/82
(reactivated 07-032)
- 49053 Reactor Coolant Pressure Boundary Piping – Work Observation 11/19/85
(reactivated 07-032)
- 49055 Reactor Coolant Pressure Boundary Piping Record Review 08/16/82
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- 49061 Safety-Related Piping 10/01/82 (reactivated 07-034)
- 49063 Piping – Work Observation 11/19/85 (reactivated 07-034)
- 49065 Safety-Related Piping-Records Review 10/01/82
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5000 Mechanical Components and Equipment

- 50001 Steam Generator Replacement Inspection 09/12/17 (17-018)
- 50002 Steam Generators 12/31/96 (96-024)
- 50003 Pressurizer Replacement Inspection 09/12/17 (17-018)
- 50051 Reactor Vessels and Internals QA Review 08/16/82 (reactivated 07-034)
- 50053 Reactor Vessel and Internals Work Observation 08/16/82
(reactivated 07-034)
- 50054 Reactor Vessel Material Surveillance Program 12/04/08 (08-034)
- 50055 Reactor Vessel and Internals Record Review 08/16/82
(reactivated 07-034)
- 50054 Reserved for Reactor Vessel Material Surveillance Program
- 50071 (Safety-Related Components – Procedure Review 04/01/83
(reactivated 07-034)
- 50073 Mechanical Components – Work Observation 11/19/85
(reactivated 07-034)
- 50075 Safety Related Components – Records Review 04/01/83
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- 50090 Pipe Support and Restraint Systems 08/06/03 (03-028)
- 50095 Spent Fuel Storage Racks 03/14/94 (reactivated 07-034)
- 50100 Heating, Ventilating, and Air Conditioning Systems 08/06/03 (03-028)

5100 Electrical Components and Systems

- 51051 Electrical Components and Systems – Procedure Review 03/30/84 (reactivated 07-034)
- 51053 Electrical Components and systems - Work Observation 08/06/03 (03-028)
- 51055 Electrical Components and Systems - Record Review 08/06/03 (03-028)
- 51061 Electrical Cable - Procedure Review 08/06/03 (03-028)
- 51063 Electric Cable – Work Observation 11/19/85 (reactivated 07-034)
- 51065 Electric Cable – Record Review 03/30/84 (reactivated 07-034)
- 51080 Part 52, Environmental Qualifications (EQ) Program for Electrical and Mechanical Equipment 06/26/17 (17-013)

5200 Instrumentation Systems and Components

- 52003 Digital Instrumentation and Control Modification Inspection 10/31/08 (08-031)
- 52051 Instrument Components and Systems – Procedure Review 03/30/84 (reactivated 07-034)
- 52053 Instrument Components and Systems – Work Observation 03/30/84 (reactivated 07-034)
- 52055 Instrument Components and Systems – Record Review 03/30/84 (reactivated 07-034)

5300 Containment Penetrations

- 53051 Containment Penetrations (Mechanical) Procedure Review 01/27/84 (reactivated 07-034)
- 53053 Containment Penetrations (Mechanical) Work Observation 01/27/84 (reactivated 07-034)
- 53055 Containment Penetrations (Mechanical) Record Review 01/17/84 (reactivated 07-034)

5400 Cleanliness

5500 Welding

- 55050 Nuclear Welding General Inspection Procedure 06/20/83 (83-06)
- 55093 Reactor Vessels Internals (Welding) Observation of Welding and Associated Activities 07/01/7 (reactivated 07-034)
- 55100 Structural Welding General Inspection Procedure 06/20/83 (83-06)
- 55150 Weld Verification Checklist 06/20/83 (reactivated 07-034)

5600 Calibration

- 56700 Calibration 03/23/05 (05-008)

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| 57050 | Visual Testing Examination 03/09/99 (99-003) |
| 57060 | Liquid Penetrant Testing Examination 03/09/99 (99-003) |
| 57070 | Magnetic Particle Testing Examination 03/09/99 (99-003) |
| 57080 | Ultrasonic Testing Examination 03/09/99 (99-003) |
| 57090 | Nondestructive Examination Procedure Radiographic Examination Procedure Review/Work Observation/Record Review 06/14/93 (93-005) |
| 5800 | <u>Special Processes</u> |
| 5900 | <u>Reserve Shutdown System</u> |
| 6000 | <u>Fuel Fabrication, Handling and Storage</u> |
| 60501 | Fuel Receipt and Storage 04/30/75 (reactivated 08-032) |
| 60705 | Preparation for Refueling 07/27/95 (95-009) |
| 60710 | Refueling Activities 07/27/95 (95-009) |
| 60715 | Spent Fuel Safety at Operating Reactors 10/30/15 (15-022) |
| 60801 | Spent Fuel Pool Safety at Permanently Shutdown Reactors 08/11/97 (16-001) |
| 60845 | Operation of Intra-Unit Fuel Transfer Canister and Cask System 04/26/12 (12-007) |
| 60851 | Design Control of ISFSI Components 01/16/08 (08-003) |
| 60852 | ISFSI Component Fabrication by Outside Fabricators 01/16/08 (08-003) |
| 60853 | On-Site Fabrication of Components and Construction of an ISFSI 01/16/08 (08-003) |
| 60854 | Preoperational Testing of an Independent Spent Fuel Storage Installation 01/16/08 (08-003) |
| 60854.1 | Preoperational Testing of Independent Spent Fuel Storage Facility Installation at Operating Plants 09/05/06 (06-022) |
| 60855 | Operation of an Independent Spent Fuel Storage Installation 01/16/08 (08-003) |
| 60855.1 | Operation of an Independent Spent Fuel Storage Installation at Operating Plants 09/05/06 (06-022) |
| 60856 | Review of 10 CFR 72.212(b) Evaluations 03/05/08 (08-010) |
| 60856.1 | Review of 10 CFR 72.212(b) Evaluations at Operating Plants 02/02/04 (04-003) |
| 60857 | Review of 10 CFR 72.48 Evaluations 10/24/07 (07-033) |
| 60858 | Away-From-Reactor ISFSI Inspection Guidance 05/03/07 (07-015) |
| 60859 | Reserved for Welding Verification Checklist for Transportation and ISFSI Components |
| 60860 | Reserved for Nondestructive Examination Procedure Visual Examination Procedure Review/Work Observation/Record Review of Transportation and ISFSI Components |

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| 60861 | Reserved for Nondestructive Examination Procedure Liquid Penetrant Examination Procedure Review/Work Observation/Record Review of Transportation ISFSI Components |
| 60862 | Reserved for Nondestructive Examination Procedure Magnetic Particle Examination Procedure Review/Work Observation/Record Review of Transportation ISFSI Components |
| 60863 | Reserved for Nondestructive Examination Procedure Ultrasonic Examination Procedure Review/Work Observation/Record Review |
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| 61707 | Determination of Reactor Shutdown Margin 10/11/85 (85-31) |
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| 61710 | Control Rod Worth Measurements (PWR) 10/11/85 (85-31) |
| 61715 | Verification of Containment Integrity 12/23/86 (86-60) |
| 61720 | Containment Local Leak Rate Testing 10/03/85 (85-30) |
| 61726 | Surveillance Observations 06/24/98 (98-010) |
| 61728 | Independent Measurement of RCS Leak Rates for a PWR 01/01/84 (84-02) |
| 6200 | <u>Maintenance</u> |
| 62002 | Inspection of Structures, Passive Components, and Civil Engineering Features at Nuclear Power Plants 12/31/96 (96-024) |
| 62003 | Inspection of Steel and Concrete Containments at Nuclear Power Plants 06/11/97 (97-008) |
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| 62710 | Power-Operated Gate Valve Pressure Locking and Thermal Binding 04/30/10 (10-013) |
| 62711 | Reserved for Operational Reliability Assurance Process |
| 62712 | Part 52, Maintenance Rule 08/13/13 (13-017) |
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6300 Construction Testing

63050 Containment Structural Integrity Test 07/01/83 (reactivated 07-034)

6400 Fire Prevention/Protection

64051 Procedures – Fire Prevention/Protection 07/01/79
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64053 Fire Loop Installation 07/01/79 (reactivated 07-034)
64102 Reserved for Part 52 Post fire Safe Shutdown, Emergency Lighting and
 Oil Collection Capabilities
64704 Fire Protection Program 06/24/98 (98-010)
64705 Part 52, Fire Protection Operational Program 10/03/07 (07-030)

6500 10 CFR Part 52 ITAAC Inspections

65001 Inspections of Inspections, Tests, Analyses, and Acceptance Criteria
 (ITAAC) Related Work 08/13/13 (13-017)
65001.01 Inspection of ITAAC-Related Foundations & Buildings 04/18/14 (14-010)
65001.02 Inspection of ITAAC-Related Installation of Structural Concrete
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65001.03 Inspection of ITAAC-Related Installation of Piping 08/19/08 (08-024)
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65001.06 Inspection of ITAAC-Related Installation o Mechanical Components
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65001.07 Inspection of ITAAC-Related Installation of Valves 07/29/08 (08-021)
65001.08 Inspection of ITAAC-Related Installation of Electric Components and
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65001.11 Construction Inspection Program Inspection of ITAAC-Related
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65001.15 Inspection of ITAAC-Related Installation of Fire Protection Equipment
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65001.18 Inspection of Emergency Planning ITAAC 10/30/08 (08-030)

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| 65001.19 | Inspection of Installation of ITAAC-Related Radiation Monitoring Components and Systems 10/20/08 (08-029) |
| 65001.20 | Inspection of Safety-Related Piping Design Acceptance Criteria (DAC)-Related ITAAC 06/02/11 (11-009) |
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| 65001.23 | Inspection of Human Factors Engineering Integrated System Validation ITAAC 12/22/14 (14-031) |
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| 65001.A | ITAAC Attributes for As-Built Inspection 09/25/13 (13-023) |
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| 6600 | <u>Reserved</u> |
| 6700 | <u>Reserved</u> |
| 6800 | <u>Reserved</u> |
| 6900 | <u>Non-Power Reactor Inspection</u> |
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| 69002 | Class III Research and Test Reactors 02/03/04 (04-004) |
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| 69004 | Class I Research and Test Reactor Effluent and Environmental Monitoring 02/03/04 (04-004) |
| 69005 | Class I Research and Test Reactor Experiments 02/03/04 (04-004) |
| 69006 | Class I Research and Test Reactors Organization and Operations and Maintenance Activities 02/03/04 (04-004) |
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| 69011 | Class I Research and Test Reactor Emergency Preparedness 02/03/04 (04-004) |
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| 69020 | Inspections of Safety-Related Items (and Services) During Construction of Non-Power Production and Utilization Facilities 12/14/15 (15-029) |
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7000 Preoperational Testing

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| 70305 | Reactor Protection System Test Preoperational Test Procedure Review Preoperational Testing Procedure Verification 01/01/79 (reactivated 08-032) |
| 70306 | Loss of Offsite Power Test - Preoperational Test Procedure Review 01/01/79 (reactivated 09-003) |
| 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) |
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| 70324 | Preoperational Test Results Evaluation - Integrated Hot Functional Test 04/01/77 (reactivated 08-032) |

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| 70325 | Preoperational Test Results Evaluation - Reactor Protection System 01/01/79 (reactivated 08-032) |
| 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) |
| 70331 | Vibration Test- Preoperational Test Procedure Review 01/01/79 (reactivated 09-003) |
| 70332 | Control Rod System Test - Preoperational Test Procedure Review 01/01/79 (reactivated 09-003) |
| 70333 | Chemical Control System Test - Preoperation Test Procedure Review 01/01/79 (reactivated 09-003) |
| 70334 | Engineered Safety Features Act. System Test - Preoperational Test Procedure Review 01/01/79 (reactivated 09-003) |
| 70335 | Safety and Relief Valve Test - Preoperational Test Procedure Review 01/01/79 (reactivated 09-003) |
| 70336 | Residual / Decay Heat Removal System Test - Preoperational Test Review 01/01/79 (reactivated 09-003) |
| 70337 | Main Stream Isolation Valve Test - Preoperational Test Procedure Review) 01/01/79 (reactivated 09-003) |
| 70338 | Auxilliary Feedwater System Test -Preoperational Test Procedure Review 01/01/79 (reactivated 09-003) |
| 70339 | Component Cooling Water System Test - Preoperational; Test Procedure Review 01/01/79 (reactivated 09-003) |
| 70340 | D.C. Power System Test - Preoperational Test Procedure Review 01/01/79 (reactivated 09-003) |
| 70341 | Emergency/Standby Power Supply System Test - Preoperational Teat Procedure Review 01/01/79 (reactivated 09-003) |
| 70342 | Containment Combustable Gas Control System Test - Preoperational Test Procedure Review 01/01/79 (reactivated 09-003) |
| 70344 | Containment Isolation Vales Test - Preoperational Test Procedure Review 01/01/79 (reactivated 09-003) |
| 70345 | Containment Heat/Cool/Vent. System Test - Preoperational Test Procedure Review 01/01/79 (reactivated 09-003) |
| 70346 | Aux. Bldg. Heat /Cool/Vent. System Test - Preoperational Test Procedure Review 01/01/79 (reactivated 09-003) |
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| 70350 | Loose Parts Monitoring System Test - Preoperational Test Procedure Review 01/01/79 (reactivated 09-003) |
| 70351 | Integrated Reactor Control System Test - Preoperational Test Procedure Review 01/01/79 (reactivated 09-003) |
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| 70355 | Compressed Gas System Test - Preoperational Test Procedure Review 01/01/79 (reactivated 09-003) |
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| 70371 | Reserved for Part 52 Testing of Pipe Support and Restraint System |
| 70400 | Preoperational Test Results Evaluation 10/01/83 (reactivated 08-032) |
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| 70432 | Control Rod System Test - Preoperational Test Witnessing 01/01/79 (reactivated 09-003) |
| 70433 | Chemical Control System Test - Preoperational Test Witnessing 01/01/79 (reactivated 09-003) |
| 70434 | Engineered Safety Features Act. System Test - Preoperational Test Witnessing 01/01/79 (reactivated 09-003) |
| 70435 | Safety and Relief Valves Test - Preoperational Test Witnessing 01/01/79 (reactivated 09-003) |
| 70436 | Residual / Decay Heat Removal System Test - Preoperational Test Witnessing 01/01/79 (reactivated 09-003) |
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| 70438 | Auxiliary Feedwater System Test - Preoperational Test Witnessing 01/01/79 (reactivated 09-003) |
| 70439 | Component Cooling Water System Test - Preoperational Test Witnessing 01/01/79 (reactivated 09-003) |
| 70440 | D.C. Power System Test - Preoperational Test Witnessing 01/01/79 (reactivated 09-003) |
| 70441 | Emergency / Standby Power Supply System Test - Preoperational Test Witnessing 01/01/79 (reactivated 09-003) |
| 70442 | Containment Combustible Gas Control System Test - Preoperational Test Witnessing 01/01/79 (reactivated 09-003) |
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| 70447 | Pressurizer and Level Control System Test - Preoperational Test Witnessing 01/01/79 (reactivated 09-003) |

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| 70451 | Integrated Reactor Control System Test - Preoperational Test Witnessing 01/01/79 (reactivated 09-003) |
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| 70453 | Cranes, Hoists and Lifting Equipment Test - Preoperational Test Witnessing 01/01/79 (reactivated 09-003) |
| 70454 | Nuclear Instrumentation System Test - Preoperational Test Witnessing 01/01/79 (reactivated 09-003) |
| 70455 | Compressed Gas System Test - Preoperational Test Witnessing 01/01/79 (reactivated 09-003) |
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| 71130.13 | Reserved for Security Inspections Conducted by Resident Inspectors |
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| 73758 | Part 52, Functional Design and Qualification, and Preservice and Inservice Testing Programs for Pumps, Valves and Dynamic Restraints 04/19/13 (13-011) |
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| 7500 | <u>Reserved</u> |
| 7600 | <u>Reserved</u> |

7700 Reserved

7800 High Level Waste

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

7900 Water Chemistry

79501 LWR Water Chemistry Control and Chemical Analysis – Audits 02/24/89
(reactivated 08-032)

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 (Pre-
Op and Supp)

79504 Reserved for Part 52 Plant systems Affecting Plant Water Chem.

79702 Control and monitoring of Radiological Source Term 04/17/00 (00-006)

8000 Environmental Protection

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

80521 Radiological Environmental Monitoring (Preoperational and
Supplemental) 01/01/84 (reactivated 08-032)

80522 Part 52, Radiological Environmental Monitoring Program (REMP)
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80600 Reserved for Independent Assessment of Site Radiological Conditions

80721 Radiological Environmental Monitoring 09/17/01(01-017)

8100 Physical Security

81000 Security 08/27/13 (13-018)

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81000.02 Access Control 09/07/12 (12-020)

81000.03 Performance Evaluation Program 09/07/12 (12-020)

81000.04 Equipment Performance, Testing and Maintenance 09/07/12 (12-020)

81000.05 Protective Strategy Evaluation 01/03/13 (13-001)

81000.07 Security Training 09/07/12 (12-020)

81000.08 Fitness for Duty Operational Program 09/07/12 (12-020)

81000.09 Cyber Security Inspection for Construction 09/30/16 (16-025)

81000.10 Security Organization, Management Effectiveness, Program Reviews and
Audits 09/07/12 (12-020)

81000.11 Material Control and Accounting 09/07/12 (12-020)

81000.14 Review of New Reactor Target Sets 12/19/13 (13-029)

81018 Physical Security Plan and Implementing Procedures
05/24/07 (07-17)

81019 Reserved for Part 52 Security Plan & Implementing Procedures

81020 Management Effectiveness - Security Program 06/13/07 (07-019)

81021 Reserved for Part 52 Management Effectiveness

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| 81022 | Security Organization 06/13/07 (07-019) |
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| 81039 | Reserved for Part 52 Records & Reports |
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| 81043 | Reserved for Part 52 Testing & Maintenance |
| 81046 | Locks, Keys, and Combinations 09/10/07 (07-027) |
| 81047 | Reserved for Part 52 Locks, Keys & Combinations |
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| 81053 | Reserved for Part 52 Physical Barriers - Protected Areas |
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| 81055 | Reserved for Part 52 Physical Barriers - Vital Areas, Material Access Areas & Controlled Access Areas |
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| 81059 | Reserved for Part 52 Security System Power Supply |
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| 81063 | Reserved for Part 52 Lighting |
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| 81065 | Reserved for Part 52 Compensatory Measures |
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| 81067 | Reserved for Part 52 Assessment Aides |
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| 81071 | Reserved for Part 52 Access Control - Personnel |
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| 81073 | Access Control (Fuel Facility) - Packages, Material, and Strategic Special Nuclear Material (SSNM) 08/05/09 (09-019) |
| 81074 | Access Control - Vehicles 12/22/08 (08-037) |
| 81075 | Reserved for Part 52 Access Control - (Power Reactors) – Packages |
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| 81081 | Reserved for Part 52 Detection Aids - VA, MAA, & CAA |
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| 81200.03 | Reserved for Decommissioning Force-on-Force Testing |

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| 81200.04 | Equipment Performance, Testing, and Maintenance for Decommissioning Nuclear Power Reactors 08/27/14 (14-019) |
| 81200.05 | Protective Strategy Evaluation and Performance Evaluation Program for Decommissioning Nuclear Power Reactors 10/21/14 (14-025) |
| 81200.06 | Protection of Safeguards Information for Decommissioning Nuclear Power Reactors 08/27/14 (14-019) |
| 81200.07 | Security Training for Decommissioning Nuclear Power Reactor 10/21/14 (14-025) |
| 81200.08 | Reserved for Decommissioning Fitness for Duty Program |
| 81200.10 | Reserved for Decommissioning Cyber Security |
| 81200.11 | Reserved for Decommissioning Material Control and Accounting |
| 81200.14 | Review of Decommissioning Target Sets 01/15/14 (14-001) |
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| 81335 | Physical Protection of Shipments of Special Nuclear Material of Moderate Strategic Significance (SNM-MSS) 12/02/09 (09-029) |
| 81340 | Physical Protection of Shipments of Special Nuclear Material of Low Strategic Significance (SNM-LSS) 11/23/09 (09-028) |
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| 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 11/23/09 (09-028) |
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| 81502 | Fitness for Duty Program 12/22/08 (08-037) |
| 81503 | Reserved for Part 52 Personnel Training and Qualification - Gen. Requirements |
| 81504 | Fitness for Duty Program for Construction 10/15/09 (09-024) |
| 81601 | Safeguards Contingency Plan - Implementation Review 12/22/08 (08-037) |
| 81602 | Reserved for Part 52 Safeguards Contingency Plan - Implementation Review |
| 81700 | RESERVED for Materials Security |
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| 81700.04 | Category I Fuel Cycle Facility Security Equipment Performance, Testing and Maintenance 05/15/17 (17-010) |
| 81700.05 | Category I Fuel Cycle Facility Physical Protection Program and Protective Strategy 05/15/17 (17-010) |
| 81700.06 | Licensee Conducted Force-on-Force Exercises at Category I Fuel Cycle Facilities 10/27/17 (17-023) |
| 81700.07 | Category I Fuel Cycle Facility Security Training 05/15/17 (17-010) |
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| 81700.09 | Security Measures for Licensed Facilities 10/26/15 (15-021) |
| 81700.10 | Protection of Safeguards Information at Category I Fuel Cycle Facilities 05/15/17 (17-010) |
| 81700.11 | Annual Observation of Licensee Conducted Force-on-Force Exercises at Category I Fuel Cycle Facilities 10/27/17 (17-023) |
| 81810 | Protection of Safeguards Information 09/10/07 (07-027) |
| 81811 | Protection of Safeguards Information By Design Certification Applicants and Vendors 09/06/16 (16-022) |
| 81815 | Authorization for Access to National Security Information (NSI) and Restricted Data (RD) 06/27/14 (14-014) |
| 81820 | Physical Protection Facility Approval and Safeguarding of National Security Information (NSI) and Restricted Data (RD) 06/27/14 (14-014) |

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| 82002 | Part 52, Emergency Preparedness Program 14/28/14 (14-026) |
| 82002.01 | Facilities and Equipment 11/08/11 (11-030) |
| 82002.02 | Procedure Quality 11/08/11 (11-030) |
| 82002.03 | Review of Exercise Objectives and Exercise Scenario for Power Reactors 11/08/11 (11-030) |
| 82002.04 | Emergency Preparedness Exercises 11/08/11 (11-030) |
| 82002.05 | Emergency Response Organization On-Shift Staffing and Augmentation Drills 11/08/11 (11-030) |
| 82002.06 | Emergency Response Organization, Dose Assessment Drills 11/08/11 (11-030) |
| 82002.07 | Operational Status of the Emergency Preparedness Program 11/08/11 (11-030) |
| 82002.08 | RESERVED for Inspection Of Site Specific Implementation Of 10 Cfr 50.54(HH)(2) Phase 1, 2, And 3 Mitigating Strategies For Nuclear Power Plants Referencing The Ap1000 Certified Design |
| 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 Plants 04/24/13 (13-012) |
| 82302 | Review of Exercise Objectives and Scenarios for Power Reactors 04/24/13 (13-012) |
| 82401 | Decommissioning Emergency Preparedness Scenario Review and Exercise Evaluation 09/04/14 (14-020) |
| 82501 | Decommissioning Emergency Preparedness Program Evaluation 09/04/14 (14-020) |

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| 82701 | Operational Status of the Emergency Preparedness Program 04/24/13 (13-012) |
| 8300 | <u>Radiation Protection</u> |
| 83100 | Occupational Exposure During SAFSTOR and DECON 12/30/91 (91-022) |
| 83311 | Reserved for Part 52, Radiation Protection During Construction |
| 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 04/17/00 (00-006) |
| 83502.03 | Radiological Environmental Monitoring Program and Radioactive Material Control Program 04/17/00 (00-006) |
| 83522 | Radiation Protection, Plant Chemistry, Radwaste, and Environmental: Organization and Management Controls 12/31/91 (reactivated 08-032) |
| 83523 | Radiation Protection, Plant Chemistry, Radwaste, Transportation and Environmental: Training and Qualifications 01/01/84 (reactivated 08-032) |
| 83524 | External Occupational Exposure Control and Personal Dosimetry (Preoperational and Supplemental) 01/01/84 (reactivated 08-032) |
| 83525 | Internal Exposure Control and Assessment (Preoperational and Supplemental) 01/01/84 (reactivated 08-032) |
| 83526 | Control of Radioactive Materials and Contamination, Surveys, and Monitoring (Preoperational and Supplemental) 01/01/84 (reactivated 08-032) |
| 83527 | Facilities and Equipment (Preoperational and Supplemental) 01/01/84 (reactivated 08-032) |
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| 83531 | Part 52 Life Cycle Minimization of Contamination and Groundwater Protection Program 12/21/16 (16-035) |
| 83532 | Reserved for Part 52 Radiation Protection, Plant Chemistry, and Radwaste Training |
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| 83534 | Part 52, Internal Exposure Control and Assessment 10/27/10 (10-022) |
| 83535 | Part 52, Control of Radioactive Materials and Contamination, Surveys, and Monitoring 10/27/10 (10-022) |
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| 84101 | Radioactive Waste Management 12/30/91 (91-022) |
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| 84523 | Liquids and Liquid Wastes (Preoperational and Supplemental) 01/01/84 (reactivated 08-032) |
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| 84528 | Part 52 Liquid Waste Management Program 10/19/16 (16-027) |
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- ASME Section III American Society of Mechanical Engineers ASME Boiler and Pressure Vessel Code, Section III 06/16/89 (89-011)
- 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)

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

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| ASME Section XI | American Society of Mechanical Engineers ASME, Section XI 05/12/86 (86-26) |
| 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) |
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| STS Sec 4.5.1 | Standard Technical Specifications (BWR) 05/12/86 (86-26) |
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| 10 | Title 10 of the Code of Federal Regulations 12/08/86 (86-54) |
| 10 CFR71 and 49 CFR171-178 | 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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