

NRC INSPECTION MANUAL

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| 2690 | Inspection Program for Storage of Spent Reactor Fuel and Reactor-Related Greater-Than-Class C Waste at Independent Spent Fuel Storage Installations and for 10 CFR Part 71 Transportation Packagings 12/15/20 (20-072) |
| 2690/011 | Review of Aging Management Programs at Independent Spent Fuel Installations 02/20/20 (20-010) |
| Rev 1 | |
| 2691 | Technical Basis for the Independent Spent Fuel Storage Installation Inspection Program 12/07/20 (20-069) |
| 2694 | Fuel Cycle Facility Construction and Pre-operational Readiness Review Inspection Programs 0830/17 (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> |

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| 2800 | Materials Inspection Program 03/02/20 (20-012) |
| 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) |
| 2800/037 | Safety Procedures for Panoramic Irradiators Rev 1 07/14/05 (05-019) |
| 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 Rev 4 | Inspection of Facilities Potentially Contaminated with Discrete Radium 226 Sources 12/22/20 (20-076) |
| 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) |
| 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> |
| 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 | <u>Quality Assurance</u> |
| 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) |

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| 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 12/10/20 (20-070) |
| 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 03/23/20 (20-017) |
| 35101 | QA Program Implementation Inspection for Operational Programs 07/08/16 (16-015) |
| 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) |
| 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 05/16/19 (19-015) |
| 36100.01 | Inspection of 10 CFR Part 21 and Programs for Reporting Defects and Noncompliance During Construction 11/13/19 (19-035) |
| 36302 | Part 52. Operational Staffing 08/19/08 (08-024) |

3700 Design, Design Changes, Modifications

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| 37060 | Inspections under the 10CFR Part 50.69 Special Program 07/28/20 (20-035) |
| 37700 | Design Changes, and Modifications 09/17/01 (01-017) |
| 37801 | Safety Reviews, Design Changes, and Modifications at Permanently Shutdown Reactors 09/09/20 (20-041) |
| 37803 | RESERVED |
| 37804 | Aircraft Impact Assessment Inspection 03/23/20 (20-017) |
| 37805 | Engineering Design Verification Inspections 04/08/20 (20-020) |

3800 Procurement

3900 Records

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

- 40002 Inspections to Review Allegations 06/28/02 (02-024)
- 40100 Independent Safety Culture Assessment Follow-up 07/26/18 (18-022)
- 40505 RESERVED for Effectiveness of Process to Identify, Resolve, and Prevent Construction Problems
- 40600 Licensee Program for Managing Inspections, Tests, Analyses, and Acceptance Criteria (ITAAC) Closure 05/29/20 (20-025)
- 40801 Self-Assessment, Auditing, and Corrective Action at Permanently Shutdown Reactors 08/11/97 (97-012)

4100 Training

- 41500 Training and Qualification Effectiveness 06/13/95 (95-007)
- 41501 Review of Training and Qualification Programs
06/04/19 (19-018)
- 41502 Nuclear Power Plant Simulation Facilities 10/16/12 (12-024)

4200 Procedures

- 42001 Emergency Operating Procedures 06/28/91 (91-009)
- 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 04/08/20 (20-020)
- 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 Regulation Regarding The Use of National Safer Response Centers 10/16/20 (20-051)

4400 Reserved

4500 Geotechnical/Foundation

- 45051 Geotechnical/Foundation Activities Procedure Review 05/29/03 (03-018)
- 45052 Review of Geotechnical and Site Characterization Activities
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4600 Structural Concrete

4700 Containment (Post-Tensioning)

4800 Structural Steel and Supports

4900 Piping

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)
50054 Reactor Vessel Material Surveillance Program 12/04/08 (08-034)
50056 RESERVED for Reactor Vessel Material Surveillance Program

5100 Electrical Components and Systems

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
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5300 Containment Penetrations

5400 Cleanliness

5500 Welding

55050 Nuclear Welding General Inspection Procedure 06/20/83 (83-06)
55100 Structural Welding General Inspection Procedure 06/20/83 (83-06)

5600 Calibration

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

5700 Nondestructive Examination, Destructive Examination and Fabrication Testing

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| 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> |
| 60705 | Preparation for Refueling 07/27/95 (95-009) |
| 60710 | Refueling Activities 07/27/95 (95-009) |
| 60715 | Spent Fuel Safety at Operating Reactors 09/16/20 (20-043) |
| 60801 | Spent Fuel Pool Maintenance, Surveillance, and Safety at Permanently Shutdown Reactors 09/09/20 (20-041) |
| 60845 | Operation of Intra-Unit Fuel Transfer Canister and Cask System 05/16/19 (19-015) |
| 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 Independent Spent Fuel Storage Installation 09/11/20 (20-042) |
| 60854 | Preoperational Testing of an Independent Spent Fuel Storage Installation 10/20/20 (20-052) |
| 60854.1 | Preoperational Testing of Independent Spent Fuel Storage Facility Installation at Operating Plants 05/16/19 (19-015) |
| 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 05/16/19 (19-015) |
| 60856 | Review of 10 CFR 72.212(b) Evaluations 10/20/20 (20-052) |
| 60856.1 | Review of 10 CFR 72.212(b) Evaluations at Operating Plants 05/16/19 (19-015) |
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| 60858 | Away-From-Reactor ISFSI Inspection Guidance 11/12/20 (20-062) |
| 60859 | RESERVED for Initial Review of Aging Management Programs at Independent Spent Fuel Storage Installations |
| 60860 | RESERVED for Welding Verification Checklist for Transportation and ISFSI Components |
| 60861 | RESERVED for Nondestructive Examination Procedure Visual Examination Procedure Review/Work Observation/Record Review of Transportation and ISFSI Components |
| 60862 | RESERVED for Nondestructive Examination Procedure Liquid Penetrant Examination Procedure Review/Work Observation/Record Review of Transportation ISFSI Components |

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| 60863 | RESERVED for Nondestructive Examination Procedure Magnetic Particle Examination Procedure Review/Work Observation/Record Review of Transportation ISFSI Components |
| 60864 | RESERVED for Nondestructive Examination Procedure Ultrasonic Examination Procedure Review/Work Observation/Record Review |
| 60865 | RESERVED for Nondestructive Examination Procedure Radiographic Examination Procedure Review/Work Observation/Record Review of Transportation and ISFSI Components |
| 6100 | <u>Surveillance</u> |
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| 61706 | Core Thermal Power Evaluation 07/14/86 (86-36) |
| 61707 | Determination of Reactor Shutdown Margin 10/11/85 (85-31) |
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| 61709 | Total Power Coefficient of Reactivity at Pressurized Water Reactors 07/14/86 (86-36) |
| 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) |
| 62706 | Maintenance Rule 12/13/00 (00-028) |
| 62708 | Motor-Operated Valve Capability 07/16/20 (20-033) |
| 62709 | Configuration Risk Assessment and Risk Management Process 12/28/00 (00-029) |
| 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) |
| 6300 | <u>Construction Testing</u> |
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| 64102 | RESERVED for Part 52 Post fire Safe Shutdown, Emergency Lighting and Oil Collection Capabilities |

- 64704 Fire Protection Program at Permanently Shutdown Reactors
11/05/20 (20-059)
- 64705 Part 52, Fire Protection Operational Program 06/04/19 (19-018)

6500 10 CFR Part 52 ITAAC Inspections

- 65001 Inspections of Inspections, Tests, Analyses, and Acceptance Criteria (ITAAC) Related Work 08/13/13 (13-017)
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- 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)
- 65001.04 Inspection of ITAAC-Related Installation of Pipe Supports and Restraints
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- 65001.05 Inspection of ITAAC-Related Installation of Reactor Pressure Vessel and Internals 08/19/08 (08/19/08)
- 65001.06 Inspection of ITAAC-Related Installation of 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 Systems
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- 65001.09 Inspection of ITAAC-Related Installation of Electric and Fiber Optic Cable
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- 65001.10 Inspection of ITAAC-Related Installation of Instrument Components and Systems
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- 65001.11 Construction Inspection Program Inspection of ITAAC-Related Containment Integrity and Containment Penetration 08/19/08 (08-024)
- 65001.11A Containment Structural Integrity Test 12/20/19 (19-041)
- 65001.12 Inspection of ITAAC-Related Installation of Heating, Ventilating, and Air Conditioning Systems 07/29/08 (08-021)
- 65001.13 Inspection of ITAAC-Related Installation of Load Handling Equipment and Fuel Racks 08/05/09 (09-019)
- 65001.14 Inspection of ITAAC-Related Installation of Complex Systems with Multiple Components 06/24/15 (15-012)
- 65001.15 Inspection of ITAAC-Related Installation of Fire Protection Equipment
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- 65001.16 Inspection of ITAAC-Related Engineering 06/20/14 (14-013)
- 65001.17 Inspection of ITAAC-Related Security Structures, Systems, and Components
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- 65001.18 Inspection of Emergency Planning ITAAC 10/30/08 (08-030)
- 65001.19 Inspection of Installation of ITAAC-Related Radiation Monitoring Components and Systems
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- 65001.20 Inspection of Safety-Related Piping Design Acceptance Criteria (DAC)- Related ITAAC 06/02/11 (11-009)
- 65001.21 Inspection of Pipe Rupture Hazard Analysis Design Acceptance Criteria (DAC) – Related ITAAC 11/07/11 (11-029)
- 65001.22 Inspection of Digital Instrumentation and Control (DI&C) System/Software Design Acceptance Criteria (DAC) – Related ITAAC 12/19/11 (11-041)
- 65001.23 Inspection of Human Factors Engineering Integrated System Validation ITAAC 12/22/14 (14-031)

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| 65001.23, App A | Inspection Guide for AP1000 Human Factors Engineering Integrated System Validation 12/22/14 (14-031) |
| 65001.A | ITAAC Attributes for As-Built Inspection 09/25/13 (13-023) |
| 65001.B | Inspection of the ITAAC-Related Welding Program 11/04/19 (19-034) |
| 65001.C | Inspection of the ITAAC-Related Construction Test Program 04/18/14 (14-010) |
| 65001.D | Inspection of the ITAAC-Related Operational Testing Program 05/09/14 (14-011) |
| 65001.E | Inspection of the ITAAC-Related Qualification Program 06/20/14 (14-013) |
| 65001.F | Inspection of the ITAAC-Related Design and Fabrication Requirements 09/20/13 (13-022) |
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| 6700 | <u>Reserved</u> |
| 6800 | <u>Reserved</u> |
| 6900 | <u>Non-Power Reactor Inspection</u> |
| 69001 | Class II Research and Test Reactors 02/03/04 (04-004) |
| 69002 | Class III Research and Test Reactors 02/03/04 (04-004) |
| 69003 | Class I Research and Test Reactor Operator Licenses, Requalification, and Medical Examinations 02/03/04 (04-004) |
| 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) |
| 69007 | Class I Research and Test Reactor Review and Audit and Design Change Functions 02/03/04 (04-004) |
| 69008 | Class I Research and Test Reactor Procedures 02/03/04 (04-004) |
| 69009 | Class I Research and Test Reactor Fuel Movement 02/03/04 (04-004) |
| 69010 | Class I Research and Test Reactor Surveillance 02/03/04 (04-004) |
| 69011 | Class I Research and Test Reactor Emergency Preparedness 02/03/04 (04-004) |
| 69012 | Class I Research and Test Reactors Radiation Protection 02/03/04 (04-004) |
| 69013 | Research and Test Reactor Decommissioning 02/03/04 (04-004) |
| 69020 | Inspections of Safety-Related Items (and Services) During Construction of Non-Power Production and Utilization Facilities 12/14/15 (15-029) |
| 69021 | Inspections of Quality Assurance Program Implementation During Construction of Non-Power Production and Utilization Facilities 09/12/17 (17-018) |
| 69022 | Inspections of Operational Readiness During Construction of Non-Power Production and Utilization Facilities 10/09/19 (19-033) |

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| 70313 | Containment Integrated Leak Rate Test 11/12/85 (85-36) |
| 70323 | Containment Leak Rate Test Results Evaluation 10/03/85 (85-30) |
| 70367 | Inspection of Pre-operational Test Program 10/20/20 (20-052) |
| 70368 | Part 52 Containment Leak Rate Testing (Programmatic) 06/26/17 (17-013) |
| 70369 | RESERVED for Part 52 Containment Leak Rate Testing |
| 70371 | RESERVED for Part 52 Testing of Pipe Support and Restraint System |
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| 70702 | Inspection of Preoperational Test Performance 12/06/17 (17-028) |

7100 Operations (License & TS Requirements)

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| 71003 | Post-Approval Site Inspection for License Renewal 07/08/16 (16-015) |
| 71004 | Power Uprate 05/15/17 (17-010) |
| 71007 | Reactor Vessel Head Replacement Inspection 10/03/17 (17-020) |
| 71111 | Reactor Safety-Initiating Events, Mitigating Systems, Barrier Integrity 10/28/11 (11-025) |
| 71111.01 | Adverse Weather Protection 12/20/19 (19-041) |
| 71111.04 | Equipment Alignment 10/05/20 (20-049) |
| 71111.05 | Fire Protection 10/06/20 (20-047) |
| 71111.06 | Flood Protection Measures 10/21/20 (20-053) |
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| 71111.11 | Licensed Operator Requalification Program 12/14/18 (18-043) |
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| 71111.18 | Plant Modifications 10/05/20 (20-046) |
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| 71111.21N.05 | Fire Protection Team Inspection (FPTI) 06/12/19 (19-019) |
| 71111.22 | Surveillance Testing 11/20/20 (20-064) |
| 71113 | RESERVED for Review of License Renewal Commitments for Plants in Timely Renewal |
| 71114 | Reactor Safety-Emergency Preparedness 05/29/12 (12-008) |
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| 71114.03 | Emergency Response Organization Staffing and Augmentation System 07/21/16 (16-017) |
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| 71114.05 | Maintenance of Emergency Preparedness 07/21/16 (16-017)) |
| 71114.06 | Drill Evaluation 07/21/16 (16-017) |
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| 71124.03 | In-Plant Airborne Radioactivity Control and Mitigation 12/23/19 (19-042) |
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| 71130.05 | Protective Strategy Evaluation and Performance Evaluation Program 12/10/18 (18-042) |
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| 71130.14 | Review of Power Reactor Target Sets 09/12/17 (17-018) |
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| 71152 | Problem Identification and Resolution 02/26/15 (15-003) |
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7200 Startup Testing

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| 72304 | AP1000 Startup Test Inspections 02/28/19 (19-009) |
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72501 RESERVED for Part 52 Initial Fuel Load Procedure Review
72525 RESERVED for Part 52 Initial Fuel Load Witnessing

7300 In-service Inspection

73052 In-service Inspection - Review of Procedures 01/14/86 (86-03)
73054 Part 52, Pre-service and In-service Inspection - Review of Program 03/04/20
(20-013)
73753 In-service Inspection 06/24/98 (98-010)
73754 Part 52 - Preservice Inspection - Non-Destructive Examination
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73755 In-service Inspection - Data Review and Evaluation 10/27/10 (10-022)
73756 In-service Testing of Pumps and Valves 07/27/95 (95-009)
73757 Part 52 In-service Inspection - Data Review and Evaluation
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73758 Part 52, Functional Design and Qualification, and Preservice and Inservice
Testing Programs for Pumps, Valves and Dynamic Restraints
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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

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

80522 Part 52, Radiological Environmental Monitoring Program (REMP)
05/07/20 (20-024)

80600 RESERVED for Independent Assessment of Site Radiological Conditions

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

8100 Physical Security

81000 Security 01/29/19 (19-004)

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81200.03 RESERVED for Decommissioning Force-on-Force Testing

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| 82002 | Part 52, Emergency Preparedness Program 03/04/20 (20-014) |
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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 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) |
| 82701 | Operational Status of the Emergency Preparedness Program 04/24/13 (13-012) |

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| 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) |
| 83523 | Radiation Protection, Plant Chemistry, Radwaste, Transportation and Environmental: Training and Qualifications 01/01/84 (reactivated 08-032) |
| 83527 | Facilities and Equipment (Preoperational and Supplemental) 01/01/84 (reactivated 08-032) |
| 83529 | RESERVED for Part 52 Radiation Protection – Startup |
| 83531 | Part 52 Life Cycle Minimization of Contamination and Groundwater Protection Program 03/04/20 (20-013) |
| 83532 | RESERVED for Part 52 Radiation Protection, Plant Chemistry, and Radwaste Training |
| 83533 | Part 52 External Occupational Exposure Control and Personal Dosimetry 03/04/20 (20-013) |
| 83534 | Part 52, Internal Exposure Control and Assessment 03/04/20 (20-013) |
| 83535 | Part 52, Control of Radioactive Materials and Contamination, Surveys, and Monitoring 03/04/20 (20-013) |
| 83536 | Part 52 Facilities and Equipment 03/04/20 (20-013) |
| 83537 | Part 52 Maintaining Occupational Exposures ALARA 03/04/20 (20-013) |
| 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 Dosimetry 04/17/00 (00-006) |
| 83725 | Internal Exposure Control and Assessment 04/17/00 (00-006) |
| 83726 | Control of Radioactive Materials and Contamination, Surveys and Monitoring 11/13/14 (14-027) |
| 83728 | Maintaining Occupational Exposures ALARA 04/17/00 (00-006) |
| 83729 | Occupational Exposure during Extended Outages 12/31/91 (91-021) |
| 83746 | Part 52 Offsite Dose Calculation Manual (ODCM) 05/07/20 (20-024) |
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| 83822 | Radiation Protection 09/07/00 (00-016) |
| 83890 | Closeout Inspection and Survey 05/01/03 (03-013) |

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- 84101 Radioactive Waste Management 12/30/91 (91-022)
- 84522 Solid Wastes (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 04/30/20 (20-022)
- 84528 Part 52 Liquid Waste Management Program 04/30/20 (20-022)
- 84529 Part 52, Gaseous Waste Management Program 05/07/20(20-024)
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- 84900 Low-Level Radioactive Waste Storage 12/22/08 (08-037) (Preoperational and Supplemental)

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- 85103 Material Control and Accounting at Decommissioning Power Reactors 07/03/18 (18-019)
- 85200 MC&A for Licensees Possessing Less Than or Equal to One Effective Kilogram of SNM 04/10/85 (85-15)
- 85203 Management Structure and Controls 08/10/16 (16-020)
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- 85207 Measurement Systems 01/17/86 (86-04)
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| 85501 | Physical Inventory Program for Uranium Enrichment Facilities 12/20/20 (20-075) |
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| 86740 | Inspection of Transportation Activities 12/14/20 (20-071) |
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87654 Uranium Mill, In-Situ Uranium Recovery, and 11e.(2) Byproduct
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88005 Management Organization and Controls 09/05/06 (06-020)
88010 Training 02/07/14 (14-005)
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| 88120 | RESERVED Draft Construction and Operational Readiness Inspections for the Internal Isotopes Uranium Deconversion Facility |
| 88121 | RESERVED for Draft Operational Readiness Reviews for Uranium Deconversion Facilities |
| 88130 | Resident Inspection Program for On-Site Construction Activities at the Mixed Oxide Fuel Fabrication Facility 03/02/16 (16-009) |
| 88131 | Geotechnical/Foundation Activities 10/25/06 (06-030) |
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| 88134 | Quality Assurance: Piping Relied on for Safety 05/18/05 (05-013) |
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| 88135.02 | Resident Inspection Program Plant Status Activities 12/02/20 (20-067) |
| 88135.04 | Resident Inspection Program Integrated Safety Analysis Implementation 12/02/20 (20-067) |
| 88135.05 | Resident Inspection Program Fire Protection (Annual/Quarterly) 12/02/20 (20-067) |
| 88135.17 | Permanent Plant Modifications 12/02/20 (20-067) |
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| 88139 | Ventilation and Confinement Systems 08/08/07 (07-024) |
| 88140 | Instrumentation and Controls Systems 04/01/10 (10-010) |
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| 88150 | RESERVED for Training and Qualification of Plant Personnel |
| 88151 | RESERVED for Facility Changes and Change Process (10 CFR70.72) |
| 88152 | RESERVED for Physical Protection Equipment and Barriers |
| 88153 | RESERVED for Material Control and Accounting |
| 88154 | RESERVED for Fire Safety and Protection Systems |
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| 88157 | RESERVED for Waste Management Equipment and Systems |
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| 88159 | RESERVED for Process Enclosures and Vessels |
| 88160 | RESERVED for Utilities and Bulk Chemicals |
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| 89003 | RESERVED for Uranium Mill program |

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- 90001 Construction Regulatory Response Column Inspections 10/27/10 (10-022)
- 90002 Construction Degraded Performance Column Inspections 10/28/14 (14-026)
- 90003 Construction Multiple/Repetitive Degraded Cornerstone Column Inspection 10/28/14 (14-026)
- 90502 RESERVED for Part 52 Reportable Matters - Test Program
- 90700 Feedback of Operational Experience Information at Operating Power Reactors 03/23/05 (05-008)
- 90712 In-office Review of Written Reports of Non-routine Events at Power Reactor Facilities 12/31/98 (98-020)
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9200 Planned Non-Routine Activities

- 92050 Review of Quality Assurance for Extended Construction Delay 04/04/00 (00-005)
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- 92701 Follow-up 03/13/07 (07-010)
- 92702 Follow-Up On Traditional Enforcement Actions Including Violations, Deviations, Confirmatory Action Letters, and Orders 10/26/20 (20-055)
- 92703 Follow-up of Confirmatory Action Letters 05/13/09 (09-012)
- 92707 Security Inspection of Facilities Impacted by a Local, State, or Federal Emergency Where the NRC's Ability to Conduct Triennial Force-On-Force Exercises is Limited 02/08/21 (21-008)
- 92708 RESERVED for operating reactors pandemic response
- 92709 Licensee Strike Contingency Plans 05/16/19 (19-015)
- 92711 Continued Implementation of Strike Plans During an Extended Strike 05/16/19 (19-015)
- 92712 Resumption of Normal Operations after a Strike 05/16/19 (19-015)
- 92714 RESERVED for Part 52 Follow-up
- 92720 Corrective Action 09/28/98 (reactivated 07-034)
- 92721 RESERVED for Part 52 Follow-up on Corrective Actions for Violations and Deviations
- 92722 Follow up Inspection for Any Severity Level I or II Traditional Enforcement Violation or for Two or More Severity Level III Traditional Enforcement Violations in a 12-Month Period 08/11/09 (09-020)
- 92723 Follow up Inspection for Three or More Severity Level IV Traditional Enforcement Violations in the Same Area in a 12-Month Period 08/11/09 (09-020)
- 92901 Follow-up - Plant Operations 09/17/01 (01-017)
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92903 Follow-up - Engineering 09/17/01 (01-017)
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93100 Safety-Conscious Work Environment Issue of Concern Follow-up
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93800 Augmented Inspection Team 04/02/19 (19-012)
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93806 Operational Readiness Assessment Team Inspections 09/29/98 (98-015)
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93811 Electrical Distribution System Functional Inspection (EDSFI)
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93812 Special Inspection 04/02/19 (19-012)
93813 RESERVED for Part 52 Operational Readiness Assessment Team Inspection

9400 Technical Activities of an Administrative Nature

94301 RESERVED for Part 52 Status of 10 CFR 52 Plant Readiness for Fuel
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9500 Strategic Determination Actions

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95002 Supplemental Inspection for One Degraded Cornerstone or Any Three White
Inputs in a Strategic Performance Area 02/09/11 (11-001)
95003 Supplemental Inspection for Repetitive Degraded Cornerstones, Multiple
Degraded Cornerstones, Multiple Yellow Inputs or One Red Input
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95003.01 Emergency Preparedness 01/15/09 (09-002)
95003.02 Guidance for Conducting an Independent NRC Safety Culture Assessment)
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9600 Materials Safety and Security

96001 NRC Force-on-Force Inspections at Category 1 Fuel Cycle Facilities 03/11/19
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9700 Reserved

9800 Reserved

9900 Guidance²

9900 Technical Guidance 05/12/86 (86-26)

PART **GUIDANCE**

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| ASME Section III & XI | American Society of Mechanical Engineers ASME Boiler and 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) |
| 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) |
| STS Sec 4.8.1.1.2 | Surveillance Testing of Diesel Generator Lockout Feature 05/12/86 (86-26) |
| STS | Surveillance Sections - Locked or Otherwise Secured Components 10/01/77 (77-25) |
| STS Interp | Licensee Technical Specification Interpretations 02/03/97 (97-001) |

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Voluntary Entry into Limiting Conditions for Operation Action Statements to Perform Preventive Maintenance 01/17/02 (02-001)
Assessing On-Line Leak Sealing of ASME Code Class 1 & 2 07/15/97 (97-011)

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

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PART

10 CFR GUIDANCE

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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) |

Interpretations

END