

NRC INSPECTION MANUAL

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| 2800/041 | 10 CFR Part 37 Physical Protection of Category 1 and Category 2 Quantities of Radioactive Material at Facilities with a 10 CFR 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) |

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| 2800/044 | Assessment of Physical Protection Requirements Under 10 CFR 150.14 for Agreement State Licensees Possessing, Using, or Transporting Special Nuclear Material of Low Strategic Significance 03/06/23 (23-005) |
| 2801 | Uranium Recovery and 11e.(2) Byproduct Material Facility Inspection Program 10/08/21 (21-034) |
| 2810 | Master Material License Oversight and Inspection Program 10/29/21 (21-036) |
| 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 05/20/22 (22-010) |
| 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> |
| 35007 | Quality Assurance Program Implementation During Construction and Pre-Construction Activities 02/09/22 (22-003) |
| 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 12/29/21 (21-041) |
| 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

- 36100 Inspection of 10 CFR Part 21 and Programs for Reporting Defects and Noncompliance 02/10/23 (23-003)
- 36100.01 Inspection of 10 CFR 50.55(e) Programs for Reporting Defects and Noncompliance During Construction 03/08/23 (23-007)
- 36302 Part 52. Operational Staffing 08/19/08 (08-024)

3700 Design, Design Changes, Modifications

- 37060 10 CFR 50.69 Risk-Informed Categorization and Treatment of Structures, Systems, and Components Inspection 10/18/22 (22-023)
- 37700 Design Changes and Modifications 09/17/01 (01-017) R
- 37801 Safety Reviews, Design Changes, and Modifications at Permanently Shutdown Reactors 09/09/20 (20-041)
- 37803 RESERVED
- 37804 Aircraft Impact Assessment 03/23/20 (20-017)
- 37805 Engineering Design Verification Inspections 04/08/20 (20-020)

3800 Procurement

3900 Records

4000 Review and Audit

- 40002 Inspections to Review Allegations 06/28/02 (02-024)
- 40100 Independent Safety Culture Assessment Followup 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 Problem Identification and Resolution at Permanently Shutdown Reactors 08/11/97 (97-012)

4100 Training

- 41500 Training and Qualification Effectiveness 06/13/95 (95-007) R
- 41501 Part 52, 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) R
- 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)

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| 42700 | Plant Procedures 11/15/95 (95-015) R |
| 4300 | <u>Vendor Procedures</u> |
| 43002 | Routine Inspections of Nuclear Vendors 02/10/23 (23-003) |
| 43003 | Reactive Inspections of Nuclear Vendors 04/08/20 (20-020) |
| 43004 | Inspection of Commercial-Grade Dedication Programs 02/10/23 (23-003) |
| 43005 | NRC Oversight of Third-Party Organizations Implementing Quality Assurance Requirements 06/01/22 (22-011) |
| 43006 | Inspection of the Implementation of Mitigation Strategies Order Regulating the Use of National SAFER Response Centers 06/16/22 (22-013) |
| 4400 | <u>Reserved</u> |
| 4500 | <u>Geotechnical/Foundation</u> |
| 45052 | Review of Geotechnical and Site Characterization Activities 04/05/22 (22-006) |
| 4600 | <u>Structural Concrete</u> |
| 4700 | <u>Containment (Post-Tensioning)</u> |
| 4800 | <u>Structural Steel and Supports</u> |
| 4900 | <u>Piping</u> |
| 49001 | Inspection of Erosion-Corrosion / Flow-Accelerated-Corrosion Monitoring Programs 12/11/98 (98-019) R |
| 5000 | <u>Mechanical Components and Equipment</u> |
| 50001 | Steam Generator Replacement Inspection 09/12/17 (17-018) |
| 50002 | Steam Generators 12/31/96 (96-024) R |
| 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 | <u>Electrical Components and Systems</u> |
| 51080 | Part 52, Environmental Qualification (EQ) Program for Electrical and Mechanical Equipment 06/26/17 (17-013) |

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| 5200 | <u>Instrumentation Systems and Components</u> |
| 52003 | Digital Instrumentation and Control Modification Inspection 07/09/21 (21-023) |
| 5300 | <u>Containment Penetrations</u> |
| 5400 | <u>Cleanliness</u> |
| 5500 | <u>Welding</u> |
| 55050 | Nuclear Welding General Inspection Procedure 06/20/83 (83-06) R |
| 55100 | Structural Welding General Inspection Procedure 06/20/83 (83-06) R |
| 5600 | <u>Calibration</u> |
| 56700 | Calibration 03/23/05 (05-008) R |
| 5700 | <u>Nondestructive Examination, Destructive Examination and Fabrication Testing</u> |
| 57050 | Visual Testing Examination 03/09/99 (99-003) R |
| 57060 | Liquid Penetrant Testing Examination 03/09/99 (99-003) R |
| 57070 | Magnetic Particle Testing Examination 03/09/99 (99-003) R |
| 57080 | Ultrasonic Testing Examination 03/09/99 (99-003) R |
| 57090 | Nondestructive Examination Procedure Radiographic Examination Procedure Review/Work Observation/Record Review 06/14/93 (93-005) R |
| 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) R |
| 60710 | Refueling Activities 07/27/95 (95-009) R |
| 60715 | Spent Fuel Pool 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 Inter-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 08/17/23 (23-024) |
| 60853 | On-Site Fabrication of Components and Construction of an Independent Spent Fuel Storage Installation 08/17/23 (23-024) |

- 60854 Preoperational Testing of an Independent Spent Fuel Storage Installation
10/20/20 (20-052)
- 60855 Operation of an Independent Spent Fuel Storage Installation
11/25/20 (20-065)
- 60856 Review of 10 CFR 72.212(b) Evaluations 10/20/20 (20-052)
- 60857 Review of 10 CFR 72.48 Evaluations 10/20/20 (20-052)
- 60858 Away-From-Reactor Independent Spent Fuel Storage Installation
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
- 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 Surveillance

- 61705 Calibration of Nuclear Instrumentation Systems 05/12/86 (86-25) R
- 61706 Core Thermal Power Evaluation 07/14/86 (86-36) R
- 61707 Determination of Reactor Shutdown Margin 10/11/85 (85-31) R
- 61708 Isothermal and Moderator Temperature Coefficient Determinations
10/11/85 (85-31) R
- 61709 Total Power Coefficient of Reactivity at Pressurized Water Reactors
07/14/86 (86-36) R
- 61710 Control Rod Worth Measurements for Pressurized Water Reactors
10/11/85 (85-31) R
- 61715 Verification of Containment Integrity 12/23/86 (86-60) R
- 61720 Containment Local Leak Rate Testing 10/03/85 (85-30) R
- 61726 Surveillance Observations 06/24/98 (98-010) R
- 61728 Independent Measurement of RCS Leak Rates for a PWR
01/01/84 (84-02) R

6200 Maintenance

- 62002 Inspection of Structures, Passive Components, and Civil Engineering
Features at Nuclear Power Plants 12/31/96 (96-024) R
- 62003 Inspection of Steel and Concrete Containment Structures at Nuclear
Power Plants 06/11/97 (97-008) R

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| 62700 | Maintenance Program Implementation 04/04/00 (00-005) R |
| 62706 | Maintenance Rule 12/13/00 (00-028) R |
| 62708 | Motor-Operated Valve Capability 07/16/20 (20-033) |
| 62709 | Configuration Risk Assessment and Risk Management Process 12/28/00 (00-029) R |
| 62710 | Power-Operated Gate Valve Pressure Locking and Thermal Binding 04/30/10 (10-013) R |
| 62711 | RESERVED for Operational Reliability Assurance Process |
| 62712 | Part 52, Maintenance Rule 08/13/13 (13-017) R |
| 6300 | <u>Construction Testing</u> |
| 6400 | <u>Fire Prevention/Protection</u> |
| 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 | <u>10 CFR Part 52 ITAAC Inspections</u> |
| 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 11/22/11 (11-037) |
| 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 08/13/14 (14-018) |
| 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 01/27/15 (15-001) |
| 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 08/19/08 (08-024) |
| 65001.09 | Inspection of ITAAC-Related Installation of Electric and Fiber Optic Cable 08/05/09 (09-019) |
| 65001.10 | Inspection of ITAAC-Related Installation of Instrument Components and Systems 10/20/08 (08-029) |
| 65001.11 | Construction Inspection Program Inspection of ITAAC-Related Containment Integrity and Containment Penetration 08/19/08 (08-024) |
| 65001.11A | Part 52, 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) |

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| 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 07/01/08 (08-019) |
| 65001.16 | Inspection of ITAAC-Related Engineering 06/20/14 (14-013) |
| 65001.17 | Inspection of ITAAC-Related Security Structures, Systems, and Components 09/30/16 (16-025) |
| 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 10/20/08 (08-029) |
| 65001.20 | Inspection of Safety-Related Piping Design Acceptance Criteria (DAC)-Related ITAAC 06/02/11 (11-009) |
| 65001.21 | Inspection of Pipe Rupture Hazards Analyses (Inside and Outside Containment) 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 Verification and Validation ITAAC 12/22/14 (14-031) |
| 65001.A | Inspection of the As-Built Attributes for Structures, Systems, and Components (SSCs) Associated with ITAAC 09/25/13 (13-023) |
| 65001.B | Inspection of the ITAAC-Related Welding and Nondestructive Examination Programs 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) |
| 6600 | <u>Reserved</u> |
| 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) |

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| 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) |

7000 Preoperational Testing

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| 70307 | Containment Integrated Leak Rate Test Procedure Review 03/07/86 (86-13) R |
| 70313 | Containment Integrated Leak Rate Test Surveillance 11/12/85 (85-36) R |
| 70323 | Containment Leak Rate Test Results Evaluation 10/03/85 (85-30) R |
| 70367 | Part 52, Inspection of Preoperational Test Program 10/20/20 (20-052) |
| 70368 | Part 52 Containment Leak Rate Testing Program (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 |
| 70701 | RESERVED |
| 70702 | Part 52, Inspection of Preoperational Test Performance 12/06/17 (17-028) |

7100 Operations (License & TS Requirements)

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| 71002 | License Renewal Inspection 06/26/23 (23-018) |
| 71003 | Post-Approval Site Inspection for License Renewal 08/11/23 (23-023) |
| 71004 | Power Uprate 02/09/22 (22-003) |
| 71007 | Reactor Vessel Head Replacement Inspection 10/03/17 (17-020) |
| 71013 | Site Inspection for Plants with a Timely Renewal Application 06/26/23 (23-018) |
| 71111 | Reactor Safety-Initiating Events, Mitigating Systems, Barrier Integrity 10/13/22 (22-022) |
| 71111.01 | Adverse Weather Protection 08/01/22 (22-015) |
| 71111.04 | Equipment Alignment 09/19/23 (23-028) |
| 71111.05 | Fire Protection 08/01/22 (22-015) |
| 71111.06 | Flood Protection Measures 08/01/22 (22-015) |
| 71111.07 | Heat Exchanger/Sink Performance 08/18/23 (23-025) |
| 71111.08 | Inservice Inspection Activities 08/08/22 (22-016) |
| 71111.11 | Licensed Operator Requalification Program and Licensed Operator Performance 12/19/21 (21-041) |

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| 71111.12 | Maintenance Effectiveness 03/31/21(21-016) |
| 71111.13 | Maintenance Risk Assessments and Emergent Work Control 08/01/22 (22-015) |
| 71111.15 | Operability Determinations and Functionality Assessments 10/05/20 (20-046) |
| 71111.17T | Evaluations of Changes, Tests, and Experiments 12/08/16 (16-032) R |
| 71111.18 | Plant Modifications 08/01/22 (22-015) |
| 71111.19 | Post-Maintenance Testing 10/06/20 (20-047) R |
| 71111.20 | Refueling and Other Outage Activities 04/06/22 (22-007) |
| 71111.21M | Comprehensive Engineering Team Inspection 10/07/22 (22-021) |
| 71111.21N | Design Bases Assurance Inspection (Programs) 02/05/19 (19-005) |
| 71111.21N.02 | Design-Basis Capability of Power-Operated Valves Under 10 CFR 50.55a Requirements 07/26/19 (19-024) |
| 71111.21N.03 | Commercial Grade Dedication 02/16/23 (23-004) |
| 71111.21N.04 | Age-Related Degradation 07/12/23 (23-019) |
| 71111.21N.05 | Fire Protection Team Inspection (FPTI) 06/12/19 (19-019) |
| 71111.22 | Surveillance Testing 03/29/21 (21-015) R |
| 71111.24 | Testing and Maintenance of Equipment Important to Risk 03/07/23 (23-006) |
| 71113 | RESERVED for Review of License Renewal Commitments for Plants in Timely Renewal |
| 71114 | Reactor Safety-Emergency Preparedness 04/02/21 (21-018) |
| 71114.01 | Exercise Evaluation 07/21/16 (16-017) |
| 71114.02 | Alert and Notification System Evaluation 07/21/16 (16-017) |
| 71114.03 | Emergency Response Organization Staffing and Augmentation System 07/21/16 (16-017) |
| 71114.04 | Emergency Action Level and Emergency Plan Changes 07/21/16 (16-017) |
| 71114.05 | Maintenance of Emergency Preparedness 07/21/16 (16-017)) |
| 71114.06 | Drill Evaluation 07/21/16 (16-017) |
| 71114.07 | Exercise Evaluation-Hostile Action (HA) Event 07/21/16 (16-017) |
| 71114.08 | Exercise Evaluation-Scenario Review 07/21/16 (16-017) |
| 71124 | Radiation Safety - Public and Occupational 12/21/17 (17-031) |
| 71124.01 | Radiological Hazard Assessment and Exposure Controls 12/29/21 (21-041) |
| 71124.03 | In-Plant Airborne Radioactivity Control and Mitigation 12/23/19 (19-042) |
| 71124.04 | Occupational Dose Assessment 12/23/19 (19-042) |
| 71124.05 | Radiation Monitoring Instrumentation 03/04/20 (20-014) |
| 71124.06 | Radioactive Gaseous and Liquid Effluent Treatment 03/04/20 (20-014) |
| 71124.07 | Radiological Environmental Monitoring Program 03/04/20 (20-014) |
| 71124.08 | Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation 03/04/20 (20-014) |
| 71130 | Security 07/23/20 (20-034) |
| 71130.01 | Access Authorization 09/30/16 (16-024) |
| 71130.02 | Access Control 09/30/16 (16-024) |
| 71130.03 | Contingency Response - Force-On-Force Testing 02/08/21 (21-008) |
| 71130.04 | Equipment Performance, Testing and Maintenance 09/30/16 (16-024) |
| 71130.05 | Protective Strategy Evaluation and Performance Evaluation Program 12/10/18 (18-042) |
| 71130.06 | Protection of Safeguards Information 09/30/16 (16-024) |
| 71130.07 | Security Training 09/30/16 (16-024) |

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| 71130.08 | Fitness-for-Duty Program 10/22/18 (18-035) |
| 71130.10 | Cybersecurity 12/14/21 (21-040) |
| 71130.11 | Material Control & Accounting (MC&A) 01/07/20 (20-003) |
| 71130.12 | RESERVED for Physical Protection of Shipments of Irradiated Fuel |
| 71130.13 | RESERVED for Security Inspections Conducted by Resident Inspectors |
| 71130.14 | Review of Power Reactor Target Sets 03/09/23 (23-008) |
| 71150 | Discrepant or Unreported Performance Indicator Data 04/30/19 (19-013) |
| 71151 | Performance Indicator Verification 04/06/20 (20-019) |
| 71152 | Problem Identification and Resolution 12/14/21 (21-040) |
| 71153 | Follow up of Events and Notices of Enforcement Discretion 09/16/20 (20-043) |
| 71303 | Part 52, Technical Specifications Review 07/08/20 (20-031) |
| 71715 | Sustained Control Room and Plant Observation 04/14/92 (92-004) R |
| 71801 | Decommissioning Performance and Status Reviews at Permanently Shutdown Reactors 09/30/20 (20-045) |
| 71841 | Human Performance 12/12/00 (00-027) R |

7200 Startup Testing

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| 72303 | Startup Testing for ABWR: Test Procedure Review, Test Witnessing, and Test Results Evaluation 09/05/06 (06-021) |
| 72304 | AP1000 Startup Test Inspections 02/28/19 (19-009) |
| 72401 | Part 52, Inspection of Startup Test Program 12/07/20 (20-069) |
| 72501 | RESERVED for Part 52 Initial Fuel Load Procedure Review |
| 72525 | RESERVED for Part 52 Initial Fuel Load Witnessing |
| 72701 | Modification Testing 04/14/92 (92-004) R |

7300 In-service Inspection

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| 73051 | Inservice Inspection – Review of Program 01/14/86 (86-003) R |
| 73052 | In-service Inspection - Review of Procedures 01/14/86 (86-03) R |
| 73054 | Part 52, Preservice and Inservice Inspection - Review of Program 03/04/20 (20-013) |
| 73753 | Inservice Inspection 06/24/98 (98-010) R |
| 73754 | Part 52 - Preservice Inspection - Non-Destructive Examination 09/23/19 (19-029) |
| 73755 | Inservice Inspection - Data Review and Evaluation 10/27/10 (10-022) R |
| 73756 | In-service Testing of Pumps and Valves 07/27/95 (95-009) R |
| 73757 | Part 52 In-service Inspection - Data Review and Evaluation 09/23/19 (19-029) |
| 73758 | Part 52, Functional Design and Qualification, and Preservice and Inservice Testing Programs for Pumps, Valves and Dynamic Restraints 02/06/20 (20-007) |

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| 7400 | <u>Reserved</u> |
| 7500 | <u>Reserved for ARCOP</u> |
| 7600 | <u>Reserved</u> |
| 7700 | <u>Reserved</u> |
| 7800 | <u>High Level Waste</u> |
| 78010 | 10 CFR Part 21 Program 09/11/08 (08-026) |
| 7900 | <u>Water Chemistry</u> |
| 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) R |
| 8000 | <u>Environmental Protection</u> |
| 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 |
| 8100 | <u>Physical Security</u> |
| 81000 | Security 01/29/19 (19-004) |
| 81000.01 | Access Authorization 04/01/19 (19-011) |
| 81000.02 | Access Control 04/01/19 (19-011) |
| 81000.03 | Performance Evaluation Program 09/07/12 (12-020) |
| 81000.04 | Equipment Performance, Testing and Maintenance 07/01/19 (19-020) |
| 81000.05 | Protective Strategy Evaluation 09/24/19 (19-030) |
| 81000.06 | Protection of Safeguards Information 02/13/19 (19-007) |
| 81000.07 | Security Training 09/24/19 (19-030) |
| 81000.08 | Fitness-for-Duty (FFD) 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 (MC&A) 09/07/12 (12-020) |
| 81000.14 | Review of New Power Reactor Target Sets 01/29/19 (19-004) |
| 81072 | Access Control (Power Reactor) - Packages 05/09/84 (84-15) R |

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| 81120 | Inspection Requirements and Guidance for Additional Security Measures for the Physical Protection in Transit for Radioactive Material Quantities of Concern 04/01/10 (10-010) (Note this IP contains safeguards material) |
| 81200 | Security 07/28/20 (20-035) |
| 81200.01 | Access Authorization for Decommissioning Nuclear Power Reactors 05/07/20 (20-024) |
| 81200.02 | Access Control for Decommissioning Nuclear Power Reactors 10/16/20 (20-051) |
| 81200.03 | RESERVED for Decommissioning Force-on-Force Testing |
| 81200.04 | Equipment Performance, Testing, and Maintenance for Decommissioning Nuclear Power Reactors 01/05/21 (21-001) |
| 81200.05 | Protective Strategy Evaluation and Performance Evaluation Program for Decommissioning Nuclear Power Reactors 01/05/21 (21-001) |
| 81200.06 | Protection of Safeguards Information for Decommissioning Nuclear Power Reactors 01/05/21 (21-001) |
| 81200.07 | Security Training for Decommissioning Nuclear Power Reactors 04/01/21 (21-017) |
| 81200.08 | RESERVED for Decommissioning Fitness for Duty Program |
| 81200.09 | Security Plan Changes for Decommissioning Power Reactors 02/18/21 (21-009) |
| 81200.10 | RESERVED for Decommissioning Cyber Security |
| 81200.11 | RESERVED for Decommissioning Material Control and Accounting |
| 81200.14 | Review of Decommissioning Target Sets 01/05/21 (21-001) |
| 81310 | Physical Protection of Shipments of Irradiated Fuel 12/22/08 (08-037) |
| 81311 | Physical Security Requirements for Independent Spent Fuel Storage Installations 06/28/22 (22-014) |
| 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) |
| 81360 | General Requirements for Physical Protection of Formula Quantities of Special Nuclear Material in Transit 12/02/09 (09-029) |
| 81365 | Records, Reports, and Planning for Physical Protection of Formula Quantities of Special Nuclear Material in Transit 11/23/09 (09-028) |
| 81370 | Specific Requirements for Physical Protection of Formula Quantities of Special Nuclear Material in Transit 12/22/08 (08-037) |
| 81402 | Reporting of Safeguards Events 11/23/09 (09-028) |
| 81421 | Fixed Site Physical Protection of Special Nuclear Material of Moderate Strategic Significance 11/23/09 (09-028) |
| 81431 | Fixed Site Physical Protection of Special Nuclear Material of Low Strategic Significance 10/24/12 (12-025) |
| 81501 | Personnel Training and Qualification - General Requirements 12/02/09 (09-029) |
| 81504 | Fitness for Duty Program for Construction 10/15/09 (09-024) |
| 81505 | Protection of Safeguards Information for Construction 02/13/19 (19-007) |
| 81601 | Fixed Site Physical Protection of Formula Quantities of Strategic Special Nuclear Material – Non-Power Reactors 03/13/20 (20-015) |
| 81602 | Fixed Site Physical Protection of Special Nuclear Material of Moderate Strategic Significance – Non-Power Reactors 03/13/20 (20-015) |

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| 81603 | Fixed Site Physical Protection of Special Nuclear Material of Low Strategic Significance – Non-Power Reactors 03/13/20 (20-015) |
| 81606 | Material Control and Accounting – Non-Power Reactors 03/13/20 (20-015) |
| 81607 | Protection of Safeguards Information and Safeguards Information Modified Handling – Non-Power Reactors 03/13/20 (20-015) |
| 81608 | Reporting of Safeguards Events – Non-Power Reactors 03/13/20 (20-015) |
| 81612 | In Transit Physical Protection of Special Nuclear Material of Moderate Strategic Significance and Receipt of New Reactor Fuel – Non-Power Reactors 03/13/20 (20-015) |
| 81613 | In Transit Physical Protection of Special Nuclear Material of Low Strategic Significance and Receipt of New Reactor Fuel – Non-Power Reactors 03/13/20 (20-015) |
| 81614 | In Transit Physical Protection of Irradiated Reactor Fuel – Non-Power Reactors 03/13/20 (20-015) |
| 81621 | Fixed Site Physical Protection of Category 1 and Category 2 Quantities of Radioactive Material – Non-Power Reactors 03/13/20 (20-015) |
| 81622 | In Transit Physical Protection of Category 1 and Category 2 Quantities of Radioactive Material and 100 Grams or Less of Irradiated Reactor Fuel – Non-Power Reactors 03/13/20 (20-015) |
| 81700.01 | Category I Fuel Cycle Facility Strategic Special Nuclear Material Security Controls 05/15/17 (17-010) |
| 81700.02 | Category I Fuel Cycle Facility Access Control Measures 05/15/17 (17-010) |
| 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) |
| 81700.08 | Category I Fuel Cycle Facility Fitness-for-Duty Programs 05/15/17 (17-010) |
| 81700.09 | Security Measures for Licensed Facilities 03/02/20 (20-012) |
| 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 04/08/20 (20-020) |
| 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 and Restricted Data 12/29/21 (21-041) |
| 8200 | <u>Emergency Planning</u> |
| 82001 | Evaluation of Emergency Preparedness 05/22/00 (00-010) R |

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| 82001.01 | ERO Performance Drills 05/22/00 (00-010) R |
| 82001.02 | ERO Performance Drills Dose Assessment 05/22/00 (00-010) R |
| 82001.03 | ERO Augmentation Drill 05/22/00 (00-010) R |
| 82001.04 | Facilities and Equipment 05/22/00 (00-010) R |
| 82001.05 | Procedure Quality 05/22/00 (00-010) R |
| 82001.06 | Remedial Exercises 05/22/00 (00-010) R |
| 82002 | Part 52, Emergency Preparedness Program 03/04/20 (20-014) |
| 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) |
| 82201 | Emergency Detection and Classification 03/23/05 (05-008) R |
| 82202 | Protective Action Decision Making 03/23/05 (05-008) R |
| 82301 | Evaluation of Exercises for Power Plants 04/24/13 (13-012) R |
| 82302 | Review of Exercise Objectives and Scenarios for Power Reactors 04/24/13 (13-012) R |
| 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) R |

8300 Radiation Protection

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| 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) R |
| 83502 | Evaluation of Public Radiation Safety 04/17/11 (00-006) R |
| 83502.01 | Radioactive Gaseous and Liquid Effluent Treatment and Monitoring Systems 04/17/00 (00-006) R |
| 83502.02 | Radioactive Material Processing and Transportation 04/17/00 (00-006) R |
| 83502.03 | Radiological Environmental Monitoring Program (REMP) and Radioactive Material Control Program 04/17/00 (00-006) R |
| 83523 | Radiation Protection, Plant Chemistry, Radwaste, Transportation and Environmental: Training and Qualifications 01/01/84 (reactivated 08-032) R |
| 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 |

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| 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) |
| 83723 | General Employee, Radiation Safety, Plant Chemistry, Radwaste, and Transportation Training 12/16/03 (03-041) R |
| 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) R |
| 83729 | Occupational Exposure during Extended Outages 12/31/91 (91-021) R |
| 83746 | Part 52, Offsite Dose Calculation Manual (ODCM) 05/07/20 (20-024) |
| 83750 | Occupational Radiation Exposure at Permanently Shutdown Reactors 11/05/20 (20-059) |
| 83801 | Inspection of Remedial and Final Surveys at Permanently Shutdown Reactors 01/06/21 (21-002) |
| 83822 | Radiation Protection 12/15/22 (22-026) |
| 83890 | Closeout Inspection and Survey 12/15/22 (22-026) |

8400 Radioactive Waste Management

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| 84100 | Special Nuclear Material Inspections At Near Surface Low-Level Waste Disposal Facilities In Agreement States 11/27/01 (01-028) |
| 84101 | Radioactive Waste Management 12/30/91 (91-022) |
| 84522 | Solid Wastes (Preoperational and Supplemental) 01/01/84 (reactivated 08-032) R |
| 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 Program 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) |
| 84750 | Radioactive Waste Treatment, and Effluent and Environmental Monitoring 11/05/20 (20-059) |
| 84850 | Radioactive Waste Management - Inspection of Waste Generator Requirements of 10 CFR Part 20 and 10 CFR Part 61 12/22/08 (08-037) |
| 84900 | Low-Level Radioactive Waste Storage 12/15/22 (22-026) |

8500 Material Control and Accountability

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| 85102 | Material Control and Accounting - Reactors 03/29/85 (85-10) |
| 85103 | Material Control and Accounting at Decommissioning Nuclear Power Reactors 07/03/18 (18-019) |

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| 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) |
| 85205 | Item Control Program 08/10/16 (16-020) |
| 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) |
| 85303 | Material Control and Accounting Management Structure and Personnel Training and Qualification 12/17/20 (20-074) |
| 85305 | Item Monitoring 12/16/20 (20-073) |
| 85307 | Process Monitoring 12/16/20 (20-073) |
| 85309 | Measurement Systems and Control 11/06/20 (20-060) |
| 85311 | Physical Inventory Program 11/06/20 (20-060) |
| 85313 | Alarm Resolution Program 11/06/20 (20-060) |
| 85315 | Internal Control 12/16/20 (20-073) |
| 85401 | Management Structure 11/06/20 (20-060) |
| 85402 | Measurement Program 12/22/20 (20-075) |
| 85403 | Measurement Control Program 12/22/20 (20-075) |
| 85404 | Physical Inventory Program for Low Enriched Uranium Fuel Facilities 01/13/21 (21-004) |
| 85405 | Item Control 01/13/21 (21-004) |
| 85406 | Resolution Program for Low Enriched Uranium Fuel Facilities 01/13/21 (21-004) |
| 85407 | Assessment Program 12/17/20 (20-074) |
| 85408 | Recordkeeping Program 12/17/20 (20-074) |
| 85420 | Inspection of IAEA Safeguards for Inspectors at Power Reactors 06/22/88 (88-007) R |
| 85501 | Physical Inventory Program for Uranium Enrichment Facilities 12/20/20 (20-075) |
| 85502 | Detection Program for Uranium Enrichment Facilities 12/22/20 (20-075) |
| 85503 | Resolution Program for Uranium Enrichment Facilities 01/13/21 (21-004) |

8600 Spent Fuel and Other Radioactive Material Packaging and Shipping

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| 86001 | Design, Fabrication, Testing, and Maintenance of Transportation Packagings 08/17/23 (23-024) |
| 86730 | Transportation of Radioactive Materials (49 CFR Parts 100-179 and 10 CFR Part 71) 04/17/00 (00-006) |
| 86740 | Inspection of Transportation Activities 12/14/20 (20-071) |
| 86750 | Solid Radioactive Waste Management and Transportation of Radioactive Materials 10/27/20 (20-056) |

8700 Materials Safety Inspection

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| 87102 | Maintaining Effluents from Materials Facilities As Low As Is Reasonably Achievable (ALARA) 04/04/00 (00-005) |
| 87103 | Inspection of Material Licensees Involved in an Incident or Bankruptcy Filing 11/03/00 (00-023) |
| 87104 | Decommissioning Inspection Procedure for Materials Licensees 12/15/22 (22-026) |

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| 87121 | Industrial Radiography Programs 12/17/14 (14-030) |
| 87122 | Irradiator Programs 12/31/02 (02-047) |
| 87123 | Well Logging and Tracer Study Programs 04/26/22 (22-008) |
| 87124 | Fixed Nuclear Gauge Programs 04/26/22 (22-008) |
| 87125 | Materials Processor/Manufacturer Programs 09/28/05 (05-027) |
| 87126 | Broad Scope Academic and Research & Development Programs 04/26/22 (22-008) |
| 87127 | Radiopharmacy Programs 07/01/08 (08-018) |
| 87128 | Manufacturing and Distribution of Exempt Products 08/07/19 (19-026) |
| 87129 | Master Materials Program 10/29/21 (21-036) |
| 87130 | Nuclear Medicine Programs 04/26/22 (22-008) |
| 87131 | Nuclear Medicine Programs, Written Directive Required 08/24/11 (11-014) |
| 87132 | Brachytherapy Programs 02/26/15 (15-003) |
| 87133 | Medical Gamma Sterotactic Radiosurgery and Teletherapy Programs 08/24/11 (11-014) |
| 87134 | Medical Broad-Scope Programs 08/24/11 (11-014) |
| 87137 | 10 CFR Part 37 Materials Security Programs 12/03/20 (20-068) |
| 87138 | RESERVED for 10 CFR Part 37, "Physical Protection Of Category 1 And Category 2 Quantities Of Radioactive Material At Facilities With A 10 CFR Part 73 Physical Protection Program |
| 87139 | Portable Nuclear Gauge Programs 04/26/22 (22-008) |
| 87140 | Source, Special Nuclear Material, and Other Alpha Emitter Use Programs 04/26/22 (22-008) |
| 87141 | Limited Scope Academic and Research & Development Programs Including Animal Use 04/26/22 (22-008) |
| 87142 | Sealed Sources and Devices (Other) Used in Measuring Systems, Analytical Instruments, Calibration and Checking of Instruments, and Similar Purposes 04/26/22 (22-008) |
| 87143 | Self-Shielded Irradiator and Calibrator Devices 04/26/22 (22-008) |
| 87144 | Veterinary Use Programs 04/26/22 (22-008) |
| 87250 | Locating Missing Materials Licensees 10/29/01 (01-022) |
| 87300 | Groundwater Monitoring and Remediation at Decommissioning Fuel Cycle and Complex Materials Facilities 12/15/22 (22-026) |
| 87305 | Decommissioning Management Organization and Controls 12/15/22 (22-026) |
| 87654 | Uranium Mill, In-Situ Recovery, and 11e.(2) Byproduct Material Disposal Site Decommissioning Inspection 12/15/22 (22-026) |

8800 Fuel Facility Inspection

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| 88001 | On-Site Construction 04/15/94 (94-011) |
| 88003 | Reactive Inspection for Events at Fuel Cycle Facilities 03/16/15 (15-004) |
| 88004 | RESERVED for Adverse Weather Protection |
| 88005 | Management Organization and Controls 09/05/06 (06-020) |
| 88010 | Training 02/07/14 (14-005) |
| 88015 | Nuclear Criticality Safety 10/20/20 (20-052) |
| 88020 | Operational Safety 12/14/20 (20-071) |
| 88025 | Maintenance and Surveillance of Safety Controls 01/23/14 (14-003) |
| 88030 | Radiation Protection 01/29/21 (21-007) |

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| 88035 | Radioactive Waste Processing, Handling, Storage, and Transportation 02/07/14 (14-005) |
| 88045 | Effluent Control and Environmental Protection 03/12/21 (21-013) |
| 88050 | Emergency Preparedness 12/17/20 (20-074) |
| 88051 | Evaluation of Exercises and Drills 11/12/20 (20-062) |
| 88055 | Fire Protection 11/09/20 (20-061) |
| 88070 | Plant Modification (Annual) 12/14/20 (20-071) |
| 88071 | Configuration Management Program 03/06/14 (14-007) |
| 88072 | Plant Modifications (Triennial) 08/21/18 (18-027) |
| 88075 | Event Follow-up 03/16/15 (15-004) |
| 88100 | Plant Operations 12/30/96 (96-026) |
| 88101 | Configuration Control 12/30/96 (96-026) |
| 88102 | Surveillance Observations 12/30/96 (96-026) |
| 88103 | Maintenance Observations 12/30/96 (96-026) |
| 88104 | Decommissioning Inspection Procedure for Fuel Cycle Facilities 12/15/22 (22-026) |
| 88106 | Quality Assurance: Program Development and Implementation (Pre-licensing and Construction) 02/07/07 (07-006) |
| 88107 | Quality Assurance: Design and Documentation Control (Pre-licensing and Construction) 05/18/05 (05-013) |
| 88108 | Quality Assurance: Control of Materials, Equipment, and Services (Pre-licensing and Construction) 02/07/07 (07-006) |
| 88109 | Quality Assurance: Inspection, Test Control, and Control of Measuring and Test Equipment (Pre-licensing and Construction) 06/20/07 (07-020) |
| 88110 | Quality Assurance: Problem Identification, Resolution and Corrective Action (PIRCA) (Construction, Pre-Operation and Operation) 05/18/05 (05-013) |
| 88111 | 10 CFR, Part 21, Inspection-Facility Construction 02/07/07 (07-006) |
| 88112 | RESERVED for Software Validation |
| 88113 | Control of the Electronic Management of Data 02/07/07 (07-006) |
| 88114 | Quality Affecting Item Procurement (10 CFR Part 21) and Commercial Grade Item Dedication Process (Reactive) 10/25/06 (06-030) |
| 88115 | Supplier/Vendor Inspection (Construction Phase) 10/25/06 (06-030) |
| 88117 | Facility Changes (License Application) and Change Process (10 CFR 70.72) (Pre-Licensing and Construction) 09/20/16 (16-023) |
| 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) |
| 88132 | Structural Concrete Activities 10/25/06 (06-030) |
| 88133 | Structural Steel and Supports Activities 7/25/07 (07-023) |
| 88134 | Piping Systems Relied on for Safety 05/18/05 (05-013) |
| 88135 | Resident Inspection Program for Category I Fuel Cycle Facilities 12/02/20 (20-067) |
| 88135.02 | Resident Inspection Program Plant Status Activities 12/02/20 (20-067) |
| 88135.04 | Resident Inspection Program Operational Safety 12/02/20 (20-067) |
| 88135.05 | Resident Inspection Program Fire Protection (Annual/Quarterly) 12/02/20 (20-067) |

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| 88135.17 | Resident Inspection Program Plant Modifications 12/02/20 (20-067) |
| 88135.19 | Resident Inspection Program Post-Maintenance Testing 12/02/20 (20-067) |
| 88135.22 | Resident Inspection Program Surveillance Testing 12/02/20 (20-067) |
| 88136 | Mechanical Components 7/25/07 (07-023) |
| 88137 | Electrical Cable 04/01/10 (10-010) |
| 88138 | Electrical Components and Systems 08/08/07 (07-024) |
| 88139 | Ventilation and Confinement Systems 08/08/07 (07-024) |
| 88140 | Instrumentation and Control Systems 04/01/10 (10-010) |
| 88141 | Fire Prevention and Protection 08/08/07 (07-024) |
| 88142 | Underground Fire Water Loop and Equipment Installation 08/08/07 (07-024) |
| 88143 | Pipe Supports and Restraints 7/25/07 (07-023) |
| 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 |
| 88155 | RESERVED for Functional Verifications of IROFS |
| 88156 | RESERVED for Integrated Safety Analysis Implementation |
| 88157 | RESERVED for Waste Management Equipment and Systems |
| 88158 | RESERVED for Environmental Protection - Initial and Periodic Inspections |
| 88159 | RESERVED for Process Enclosures and Vessels |
| 88160 | RESERVED for Utilities and Bulk Chemicals |
| 88161 | Corrective Action Program (CAP) Implementation at Fuel Cycle Facilities 07/28/14 (14-017) |

8900 Fuel Facility and Materials Special Program

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| 89001 | In-Situ Leach (ISL) Facilities 09/02/97 (97-013) |
| 89002 | RESERVED for Uranium Mill program |
| 89003 | RESERVED for Uranium Mill program |
| 89005 | Management Organization and Controls at Uranium Recovery and 11e.(2) Byproduct Material Facilities 10/08/21 (21-034) |
| 89010 | Disposal Cell Construction at Uranium Recovery and 11e.(2) Byproduct Material Facilities 10/08/21 (21-034) |
| 89015 | Construction and Preoperational Inspection Program at Uranium Recovery and 11e.(2) Byproduct Material Facilities 10/08/21 (21-034) |
| 89020 | Groundwater and Water Management at Uranium Recovery and 11e.(2) Byproduct Material Facilities 10/08/21 (21-034) |
| 89030 | Radiation Protection at Uranium Recovery and 11e.(2) Byproduct Material Facilities 10/08/21 (21-034) |
| 89035 | Radioactive Waste Management and Transportation at Uranium Recovery and 11e.(2) Byproduct Material Facilities 10/08/21 (21-034) |
| 89045 | Effluent Control and Environmental Protection at Uranium Recovery and 11e.(2) Byproduct Material Facilities 10/08/21 (21-034) |
| 89050 | Emergency Preparedness and Fire Protection at Uranium Recovery and 11e.(2) Byproduct Material Facilities 10/08/21 (21-034) |
| 89060 | Department of Energy Observational Site Visits 11/15/22 (22-026) |

9000 Reportable Matters and Report Reviews

- 90001 Construction Regulatory Response Column Inspections 10/27/10 (10-022)
- 90002 Construction Degraded Performance Column Inspections 10/28/14 (14-026)
- 90003 Construction Supplemental Inspection for Repetitive Degraded Cornerstones, Multiple Degraded Cornerstones, Multiple Yellow Inputs or One Red Input 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) R
- 90712 In-office Review of Written Reports of NonRoutine Events at Power Reactor Facilities 12/31/98 (98-020) R

9100 Title 10 Requirements

9200 Planned Non-Routine Activities

- 92050 Review of Quality Assurance for Extended Construction Delay 04/04/00 (00-005)
- 92700 Onsite Follow-up of Written Reports of NonRoutine Events at Power Reactor Facilities 12/31/98 (98-020) R
- 92701 Followup 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 Followup of Confirmatory Action Letters or Orders 05/13/09 (09-012)
- 92707 Security Inspection of Facilities Impacted by a Local, State, or Federal Emergency Where the U.S. Nuclear Regulatory Commission's Ability to Conduct Triennial Force-On-Force Exercises is Limited 02/08/21 (21-008)
- 92708 RESERVED for operating reactors pandemic response
- 92709 Contingency Plans for Licensee Strikes or Lockouts 05/16/19 (19-015)
- 92711 Implementation of Licensee Contingency Plans During a Strike/Lockout 05/16/19 (19-015)
- 92712 Resumption of Normal Operations after a Strike/Lockout 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 09/16/21 (21-031)
- 92723 Follow-Up Inspection for One Severity Level III and Two Severity Level IV Traditional Enforcement Violations or for Three or More Severity Level IV Traditional Enforcement Violations in the Same Area in a 12-Month Period 09/16/21 (21-031)

9300 Non-Routine Activities

- 93002 Managing Fatigue 09/17/19 (19-027)
- 93100 Safety-Conscious Work Environment Issue of Concern Follow-up
07/14/21 (21-024)
- 93800 Augmented Inspection Team 06/07/22 (22-012)
- 93801 Safety System Functional Inspection (SSFI) 07/25/96 (96-016)
- 93802 Operational Safety Team Inspection (OSTI) 11/27/89 (89-015)
- 93803 Safety Systems Outage Modifications Inspection 04/27/89 (89-008)
- 93804 Risk-Based Operational Safety and Performance Inspection
01/15/92 (92-001)
- 93805 Maintenance Program 08/06/93 (93-070)
- 93806 Operational Readiness Assessment Team Inspections 09/29/98 (98-015)
- 93807 Systems Based Instrumentation and Control Inspection 01/29/93 (93-001)
- 93810 Service Water System Operational Performance Inspection
(SWSOPI) 09/14/98 (98-013)
- 93811 Electrical Distribution System Functional Inspection (EDSFI)
02/03/99 (99-002)
- 93812 Special Inspection 06/07/22 (22-012)
- 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
Load

9500 Strategic Determination Actions

- 95001 Supplemental Inspection Response to Action Matrix Column 2
(Regulatory Response) Inputs 08/19/2021 (21-028)
- 95002 Supplemental Inspection Response to Action Matrix Column 3 (Degraded
Performance) Inputs 03/19/2021 (CN 21-014)
- 95003 Supplemental Inspection Response to Action Matrix Column 4
(Multiple/Repetitive Degraded Cornerstone) Inputs 06/07/22 (22-012)
- 95003.01 Emergency Preparedness 01/15/09 (09-002)
- 95003.02 Guidance for Conducting an Independent NRC Safety Culture
Assessment 04/01/19 (19-011)

9600 Materials Safety and Security

- 96001 NRC Force-on-Force Inspections at Category 1 Fuel Cycle Facilities
03/11/19 (19-010)

9700 Reserved

9800 Reserved

9900 Guidance²

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

PART GUIDANCE

Technical Guidance

ASME Section III American Society of Mechanical Engineers ASME Boiler and Pressure Vessel Code, Section III 06/16/89 (89-011)

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)

Maintenance

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)

Filled Organic Coatings Used in Maintenance of Safety Related Equipment 10/11/94 (94-018)

Preconditioning of Structures, Systems, and Components (SSCs) Before Determining Operability 09/28/98 (98-014) [PRECOND.TG]

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

Mechanical

Freeze Plugs 06/14/93 (93-005)
Steam Generator Plugs and Sleeving Repairs 08/01/94 (94-014)
Steam Generator Tube-to-Secondary Leakage 09/09/03 (03-033)
[TG_Mech SGTUBELKG.wpd]
Ice Condenser System Inspections 06/06/05 (05-015)

Operations

Notice of Enforcement Discretion for Gaseous Diffusion Plants
05/03/99 (99-008) [NOEDGAS.TG]
Operation - Safety and Compliance 09/11/07 (07-028)
[TG 9900 SAFETY]

PART

10 CFR GUIDANCE

| | |
|-------------------------------|---|
| 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) |
| 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

OPERATING EXPERIENCE
SMART SAMPLES

| | |
|------------------------------------|---|
| FY2007/01 | PWR Containment Sump Recirculation Pipe Foreign Material Blockage 11/20/06 |
| FY2007/02 Rev 3 FY2007/03 Rev 3 | Analysis of Flooding Vulnerabilities 09/11/18 (18-031) Crane And Heavy Lift Inspection, Supplemental Guidance to IP 71111.20 and IP 71111.13, 09/11/18 (18-031) |
| FY2007/04 | BWR Core Power / Flow Map – supplemental inspection guidance for MC 2515D, 08/27/07 R |
| FY2008/01 | Negative Trend and Recurring Events Involving Emergency Diesel Generators 11/29/07 |

| | |
|-----------------|---|
| FY2009/01 | Inspection of Electrical Connections for Motor Control Center, Circuit Breakers, and Interfaces 10/29/08 |
| FY 2009/02 | Negative Trend and Recurring Events Involving Feedwater Systems 12/23/08 |
| FY2010/02 | Sample Selections for Reviewing Licensed Operator Examinations and Training Conducted on the Plant-Referenced Simulator 08/16/10 |
| FY2012/01 | High Wind Generated Missile Hazards 12/29/11 |
| FY2012/02 Rev 1 | Technical Specification Interpretation and Operability Determination 05/17/12 |
| FY2018/01 | Evaluation of Licensee Actions Taken in Response to 10 CFR Part 21 Notification of the Potential Existence of Defects Related to Control Rod Drive Mechanism (CRDM) Thermal Sleeves 11/19/18 (18-040) R |
| FY2019/01 | Commercial Grade Dedication, Procurement, and Design Control 07/30/19 (19-025) |
| FY2020/01 | Flex Equipment Design Control, Maintenance, and Testing 10/21/20 (20-053) |

END