

# NRC INSPECTION MANUAL

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| 2601        | Reactive Inspection Decision Making Process for Fuel Facilities  |

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|           | 09/20/16 (16-023)   |
| 2602      | Decommissioning Oversight and Inspection Program for Fuel Cycle Facilities and Materials Licensees 07/29/08 (08-021)  |
| 2603      | RESERVED for Fuel Cycle Facility Construction Inspection Program Assessment   |
| 2604      | Licensee Performance Review 09/20/16 (16-023)   |
| 2606      | Assessment of the Change in Risk Resulting From a Violation at a Fuel Cycle Facility 04/01/16 (16-010)  |
| 2606, E-2 | Evaluation Based on Specific Licensee ISAs 09/26/12 (12-022)  |
| 2620      | On-Site Construction Reviews of Remedial Action at Inactive Uranium Mill Tailing Sites (Title I, Uranium Mill Tailings Radiation Control Act) 10/05/01 (01-020)   |
| 2630      | Mixed Oxide Fuel Fabrication Facility Construction Inspection Program 09/20/16 (16-023)   |
| 2635      | RESERVED for Uranium Enrichment Facility Construction and Pre-Operational Readiness Review Inspection Programs  |
| 2641      | In-Situ Leach Facilities Inspection Program 08/25/00 (00-014)   |
| 2650      | Fuel Cycle Inspection Assessment Program 11/08/18 (18-038)  |
| 2681      | Physical Protection and Transport of SNM and Irradiated Fuel Inspections of Fuel Facilities 10/27/17 (17-023)   |
| 2681/009  | Inspection Guidance and Requirements for Physical Protection of the Transfer, Loading and Shipment of Irradiated Special Nuclear Material from General Atomics Facility, San Diego, California to U.S. Department of Energy, Idaho National Laboratory, Scoville, Idaho 08/12/10 (10-017) |
| 2682      | Technical Assistance for Safeguards MC&A Inspections at Fuel Facilities 06/18/84 (84-18)  |
| 2683      | MC&A Safeguards Inspection of Fuel Facilities 12/07/20 (20-069)   |
| 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)   |
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| 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 08/30/17 (17-017)   |
| 2696      | Louisiana Energy Services Gas Centrifuge Facility Construction and Pre-Operational Readiness Review Inspection Programs 10/19/06 (06-028)   |
| 2700      | <u>Licensee Contractor and Vendor Inspection Program</u>  |
| 2800      | <u>Materials Inspection Program</u>   |
| 2800      | Materials Inspection Program 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)  |

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| 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<br>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)  |
| 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)   |

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| 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

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| 40002 | Inspections to Review Allegations 06/28/02 (02-024)               |
| 40100 | Independent Safety Culture Assessment Follow-up 07/26/18 (18-022) |

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| 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  | <u>Training</u>   |
| 41500 | Training and Qualification Effectiveness 06/13/95 (95-007)  |
| 41501 | Review of Training and Qualification Programs<br>06/04/19 (19-018)  |
| 41502 | Nuclear Power Plant Simulation Facilities 10/16/12 (12-024)   |
| 4200  | <u>Procedures</u>   |
| 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  | <u>Vendor Procedures</u>  |
| 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  | <u>Reserved</u>   |
| 4500  | <u>Geotechnical/Foundation</u>  |
| 45051 | Geotechnical/Foundation Activities Procedure Review 05/29/03 (03-018)   |
| 45052 | Review of Geotechnical and Site Characterization Activities<br>10/03/07 (07-030)  |
| 4600  | <u>Structural Concrete</u>  |
| 4700  | <u>Containment (Post-Tensioning)</u>  |

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 10/31/08 (08-031)

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

- 57050 Visual Testing Examination 03/09/99 (99-003)
- 57060 Liquid Penetrant Testing Examination 03/09/99 (99-003)
- 57070 Magnetic Particle Testing Examination 03/09/99 (99-003)
- 57080 Ultrasonic Testing Examination 03/09/99 (99-003)
- 57090 Nondestructive Examination Procedure Radiographic

Examination Procedure Review/Work Observation/Record  
Review 06/14/93 (93-005)

5800 Special Processes

5900 Reserve Shutdown System

6000 Fuel Fabrication, Handling and Storage

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| 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<br>Shutdown Reactors 09/09/20 (20-041)  |
| 60845   | Operation of Intra-Unit Fuel Transfer Canister and Cask System<br>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<br>Independent Spent Fuel Storage Installation 09/11/20 (20-042)  |
| 60854   | Preoperational Testing of an Independent Spent Fuel Storage Installation<br>10/20/20 (20-052)  |
| 60854.1 | Preoperational Testing of Independent Spent Fuel Storage<br>Facility Installation at Operating Plants 05/16/19 (19-015)  |
| 60855   | Operation of an Independent Spent Fuel Storage Installation<br>01/16/08 (08-003)   |
| 60855.1 | Operation of an Independent Spent Fuel Storage Installation at<br>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<br>05/16/19 (19-015)  |
| 60857   | Review of 10 CFR 72.48 Evaluations 10/20/20 (20-052)   |
| 60858   | Away-From-Reactor ISFSI Inspection Guidance 11/12/20 (20-062)  |
| 60859   | RESERVED for Initial Review of Aging Management Programs at Independent<br>Spent Fuel Storage Installations  |
| 60860   | RESERVED for Welding Verification Checklist for Transportation and ISFSI<br>Components   |
| 60861   | RESERVED for Nondestructive Examination Procedure Visual Examination<br>Procedure Review/Work Observation/Record Review of Transportation and<br>ISFSI Components        |
| 60862   | RESERVED for Nondestructive Examination Procedure Liquid Penetrant<br>Examination Procedure Review/Work Observation/Record Review of<br>Transportation ISFSI Components  |
| 60863   | RESERVED for Nondestructive Examination Procedure Magnetic Particle<br>Examination Procedure Review/Work Observation/Record Review of<br>Transportation ISFSI Components |
| 60864   | RESERVED for Nondestructive Examination Procedure Ultrasonic<br>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)  
61706 Core Thermal Power Evaluation 07/14/86 (86-36)  
61707 Determination of Reactor Shutdown Margin 10/11/85 (85-31)  
61708 Isothermal and Moderator Temperature Coefficient Determinations 10/11/85 (85-31)  
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 Maintenance

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 Construction Testing

6400 Fire Prevention/Protection

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

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| 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       | 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 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 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)  |
| 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   |

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|         | 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)                                      |
| 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    | <u>Preoperational Testing</u>  |
| 70307   | Containment Integrated Leak Rate Test - Procedure Review 03/07/86 (86-13)  |

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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)<br>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 | Inspection of Preoperational Test Performance 12/06/17 (17-028)           |

7100 Operations (License & TS Requirements)

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| 71002        | License Renewal Inspection 06/30/20 (20-028)   |
| 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,<br>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)  |
| 71111.07     | Heat Sink Performance 10/21/20 (20-053)  |
| 71111.08     | In-service Inspection Activities 12/14/18 (18-043)   |
| 71111.11     | Licensed Operator Requalification Program 12/14/18 (18-043)  |
| 71111.12     | Maintenance Effectiveness 10/05/20 (20-046)  |
| 71111.13     | Maintenance Risk Assessments and Emergent Work Control<br>10/05/20 (20-046)                            |
| 71111.15     | Operability Determinations and Functionality Assessments<br>10/05/20 (20-046)                          |
| 71111.17T    | Evaluations of Changes, Tests, and Experiments 12/08/16 (16-032)                                       |
| 71111.18     | Plant Modifications 10/05/20 (20-046)  |
| 71111.19     | Post Maintenance Testing 10/06/20 (20-047)   |
| 71111.20     | Refueling and Other Outage Activities 10/06/20 (20-047)  |
| 71111.21M    | Design Bases Assurance Inspection (Teams) 12/08/16 (16-032)  |
| 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<br>Requirements 07/26/19 (19-024) |
| 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<br>Renewal                     |
| 71114        | Reactor Safety-Emergency Preparedness 05/29/12 (12-008)  |
| 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<br>07/21/16 (16-017)                  |
| 71114.04     | Emergency Action Level and Emergency Plan Changes<br>07/21/16 (16-017)                                 |
| 71114.05     | Maintenance of Emergency Preparedness 07/21/16 (16-017))   |

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| 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<br>12/23/19 (19-042)  |
| 71124.02  | Occupational ALARA Planning and Controls 12/23/19 (19-042)   |
| 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  | Public Radiation Safety 03/04/20 (20-014)  |
| 71124.08  | Radioactive Solid Waste Processing and Radioactive Material Handling,<br>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<br>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)  |
| 71130.08  | Fitness for Duty Program 10/22/18 (18-035)   |
| 71130.10P | Cyber Security 07/15/20 (20-032)   |
| 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 09/12/17 (17-018)  |
| 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 02/26/15 (15-003)  |
| 71153     | Follow-up of Events and Notices of Enforcement Discretion<br>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)   |
| 71801     | Decommissioning Performance and Status Reviews 09/30/20 (20-045)   |
| 71841     | Human Performance 12/12/00 (00-027)  |

## 7200 Startup Testing

|       |  |
|-------|--|
| 72303 | Startup Testing for ABWR: Test Procedure Review, Test Witnessing, and<br>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  |

## 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 09/23/19 (19-029)  |
| 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 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) |
| 7400  | <u>Reserved</u>  |
| 7500  | <u>Reserved</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)   |
| 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  |
| 80721 | Radiological Environmental Monitoring 09/17/01(01-017)   |

## 8100 Physical Security

|          |   |
|----------|---|
| 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 Operational Program 09/07/12 (12-020)  |
| 81000.09 | Cyber Security Inspection for Construction 09/30/16 (16-025)  |
| 81000.10 | Security Organization, Management Effectiveness, Program Reviews and Audits 09/07/12 (12-020)   |
| 81000.11 | Material Control and Accounting 09/07/12 (12-020)   |
| 81000.14 | Review of New Reactor Target Sets 01/29/19 (19-004)   |
| 81072    | Access Control (Power Reactor) - Packages 05/09/84 (84-15)  |
| 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 Reactor 10/21/14 (14-025)   |
| 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 10/06/20 (20-048)   |
| 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)   |

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| 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 Materials in Transit 12/22/08 (08-037)  |
| 81402    | Reports of Safeguards Events 11/23/09 (09-028)   |
| 81411    | Physical Protection for Reactors with Formula Quantities of Special Nuclear Material 11/04/85 (85-34)  |
| 81421    | Fixed Site Physical Protection of Special Nuclear Material of Moderate Strategic Significance 11/23/09 (09-028)  |
| 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)   |
| 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   |



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|          | 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<br>05/15/17 (17-010)  |
| 81700.11 | Annual Observation of Licensee Conducted Force-on-Force Exercises at<br>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<br>Vendors 04/08/20 (20-020)                                       |
| 81815    | Authorization for Access to National Security Information<br>(NSI) and Restricted Data (RD) 06/27/14 (14-014)                                  |
| 81820    | Physical Protection Facility Approval and Safeguarding<br>of National Security Information (NSI) and Restricted<br>Data (RD) 06/27/14 (14-014) |

## 8200 Emergency Planning

|          |  |
|----------|--|
| 82001    | Evaluation of Emergency Preparedness 05/22/00 (00-010)   |
| 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<br>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<br>11/08/11 (11-030)   |
| 82002.06 | Emergency Response Organization, Dose Assessment Drills<br>11/08/11 (11-030)   |
| 82002.07 | Operational Status of the Emergency Preparedness Program<br>11/08/11 (11-030)  |
| 82002.08 | Inspection of Site Specific Implementation of 10 CFR 50.54(hh)(2) Mitigating<br>Strategies for Nuclear Power Plants Referencing the AP1000 Certified Design<br>09/17/18 (18-031) |
| 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<br>04/24/13 (13-012)  |
| 82401    | Decommissioning Emergency Preparedness Scenario Review and Exercise<br>Evaluation 09/04/14 (14-020)  |
| 82501    | Decommissioning Emergency Preparedness Program Evaluation<br>09/04/14 (14-020)   |
| 82701    | Operational Status of the Emergency Preparedness Program<br>04/24/13 (13-012)  |

## 8300 Radiation Protection

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|-------|---|
| 83100 | Occupational Exposure During SAFSTOR and DECON<br>12/30/91 (91-022) |
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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)   |
| 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 09/07/00 (00-016)   |
| 83890    | Closeout Inspection and Survey 05/01/03 (03-013)   |

8400 Radioactive Waste Management

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

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| 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)   |
| 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 20 and 10 CFR 61 12/22/08 (08-037)                             |
| 84900 | Low-Level Radioactive Waste Storage 12/22/08 (08-037) (Preoperational and Supplemental)  |

8500 Material Control and Accountability

|       |   |
|-------|---|
| 85102 | Material Control and Accounting - Reactors 03/29/85 (85-10)   |
| 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)   |
| 85205 | Facility Operations and Internal Controls 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 12/17/20 (20-074)   |
| 85420 | Inspection of IAEA Safeguards for Inspectors at Power Reactors 06/22/88 (88-007)                                |
| 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

86001 Design, Fabrication, Testing, and Maintenance of  
Transportation Packagings 01/16/08 (08-003)  
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

87102 Maintaining Effluents from Materials Facilities As Low As Is Reasonably  
Achievable (ALRA) 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  
10/09/19 (19-033)  
87121 Industrial Radiography Programs 12/17/14 (14-030)  
87122 Irradiator Programs 12/31/02 (02-047)  
87123 Well Logging Programs 07/02/19 (19-021)  
87124 Fixed and Portable Gauge Programs 11/25/03 (03-037)  
87125 Materials Processor/Manufacturer Programs 09/28/05 (05-027)  
87126 Industrial/Academic/Research Programs 09/28/05 (05-027)  
87127 Radiopharmacy Programs 07/01/08 (08-018)  
87128 Manufacturing and Distribution of Exempt Products 08/07/19 (19-026)  
87129 Master Materials Program 09/15/03 (03-034)  
87130 Nuclear Medicine Programs, Written Directive Not Required  
10/24/02 (02-041)  
87131 Nuclear Medicine Programs, Written Directive Required  
08/24/11 (11-014)  
87132 Brachytherapy Programs 02/26/15 (15-003)  
87133 Medical Gamma Stereotactic 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  
87250 Locating Missing Materials Licensees 10/29/01 (01-022)  
87654 Uranium Mill, In-Situ Uranium Recovery, and 11e.(2) Byproduct  
Material Site Decommissioning Inspection 03/19/02 (02-010)

8800 Fuel Facility Inspection

|       |  |
|-------|--|
| 88001 | On-Site Construction 04/15/94 (94-011)   |
| 88003 | Reactive Inspection for Events at Fuel Cycle Facilities<br>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 Testing 01/23/14 (14-003)   |
| 88030 | Radiation Protection 01/29/21 (21-007)   |
| 88035 | Radioactive Waste Management 02/07/14 (14-005)   |
| 88045 | Effluent Control and Environmental Protection 02/07/14 (14-005)  |
| 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 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<br>10/09/19 (19-033)  |
| 88106 | Quality Assurance: Program Development and Implementation<br>(Pre-licensing and Construction) 02/07/07 (07-006)                                |
| 88107 | Quality Assurance: Design and Documentation Control (Pre-licensing and<br>Construction) 05/18/05 (05-013)                                      |
| 88108 | Quality Assurance: Control of Materials, Equipment, and Services<br>(Pre-licensing and Construction) 02/07/07 (07-006)                         |
| 88109 | Quality Assurance: Inspection, Test Control, and Control of Measuring and<br>Test Equipment (Pre-licensing and Construction) 06/20/07 (07-020) |
| 88110 | Quality Assurance: Problem Identification, Resolution and Corrective Action<br>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<br>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<br>70.72) (Pre-Licensing and Construction) 09/20/16 (16-023)                 |
| 88120 | RESERVED Draft Construction and Operational Readiness Inspections for the<br>Internal Isotopes Uranium Deconversion Facility                   |
| 88121 | RESERVED for Draft Operational Readiness Reviews for Uranium<br>Deconversion Facilities  |

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| 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    | Quality Assurance: Piping 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 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)  |
| 88135.19 | Post Maintenance Testing 12/02/20 (20-067)   |
| 88135.22 | Surveillance Testing 12/02/20 (20-067)   |
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- 93812 Special Inspection 04/02/19 (19-012)
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- 95003.01 Emergency Preparedness 01/15/09 (09-002)
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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

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

## **PART** **GUIDANCE**

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| ASME Section III      | American Society of Mechanical Engineers ASME Boiler and Pressure Vessel Code, Section III 06/16/89 (89-011)      |
| ASME Section III & 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)        |
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| STS Sec 1.0           | Operability 05/12/86 (86-26)  |
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| 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)   |
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| STS Interp            | Licensee Technical Specification Interpretations 02/03/97 (97-001)  |

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Assessing On-Line Leak Sealing of ASME Code Class 1 & 2 07/15/97 (97-011)

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

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]

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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**

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| 10                            | Title 10 of the Code of Federal Regulations 12/08/86 (86-54)                              |
| 10 CFR71 and<br>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<br>12/08/86 (86-54)                  |
| 70.51                         | Material Balance, Inventory, and Records Requirements<br>12/19/74 (74-11)                 |
| 70.52                         | Report of Accidental Criticality or Loss of Special Nuclear Material 11/15/74<br>(74-010) |

### Interpretations

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