

# NRC INSPECTION MANUAL

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| 2696             | Louisiana Energy Services Gas Centrifuge Facility Construction and<br>Pre-Operational Readiness Review Inspection Programs<br>10/19/06 (06-028)  |
| 2700             | <u>Licensee Contractor and Vendor Inspection Program</u>   |
| 2800             | <u>Materials Inspection Program</u>  |
| 2800             | Materials Inspection Program 06/16/23 (23-017)   |
| 2800/041         | 10 CFR Part 37 Physical Protection of Category 1 and Category 2<br>Quantities of Radioactive Material at Facilities with a 10 CFR Part 73<br>Physical Protection Program 07/01/15 (15-013)                                       |
| 2800/044         | Assessment of Physical Protection Requirements Under 10 CFR 150.14<br>for Agreement State Licensees Possessing, Using, or Transporting<br>Special Nuclear Material of Low Strategic Significance 03/06/23 (23-005)               |
| 2801             | Uranium Recovery and 11e.(2) Byproduct Material Facility Inspection<br>Program 07/26/24 (24-022)   |
| 2810             | Master Material License Oversight and Inspection Program<br>10/29/21 (21-036)  |
| 2815             | Construction and Preoperational Inspection of Panoramic,<br>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 Management Meetings

3100 Reserved

3200 Reserved

3300 Reserved

3400 Reserved

3500 Quality Assurance

- 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 Safety-Related Software Used for Digital Instrumentation and Control in Nuclear Applications 04/18/24 (24-011)
- 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) R

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 Decommissioning Safety Reviews, Design Changes, And Modifications 06/27/25 (25-022)
- 37803 RESERVED
- 37804 Aircraft Impact Assessment 03/23/20 (20-017) R

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| 37805 | Engineering Design Verification Inspections 04/08/20 (20-020)   |
| 37806 | RESERVED Non-Nuclear Co-Located Facilities  |
| 3800  | <u>Procurement</u>  |
| 3900  | <u>Records</u>  |
| 4000  | <u>Review and Audit</u>   |
| 40002 | Inspections to Review Allegations 06/28/02 (02-024)   |
| 40100 | Independent Safety Culture Assessment Follow-up 02/12/25 (25-002)   |
| 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) R                 |
| 40801 | Problem Identification and Resolution at Permanently Shutdown Reactors 08/11/97 (97-012)  |
| 40802 | Decommissioning Safety Reviews, Design Changes, And Modifications 06/27/25 (25-022)   |
| 4100  | <u>Training</u>   |
| 41500 | Training and Qualification Effectiveness 01/15/26 (26-001) R  |
| 41501 | Part 52, Review of Training and Qualification Programs 06/04/19 (19-018) R  |
| 41502 | Nuclear Power Plant Simulation Facilities 10/16/12 (12-024) R   |
| 4200  | <u>Procedures</u>   |
| 42001 | Emergency Operating Procedures 06/28/91 (91-009) R  |
| 42401 | Part 52, Plant Procedures 10/27/10 (10-022) R   |
| 42453 | Part 52, Operating Procedures Inspection 08/19/08 (08-024) R  |
| 42454 | Part 52, Emergency Operating Procedures 09/09/13 (13-020) R   |
| 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 10/07/24 (24-026)                                |
| 43006 | Inspection of the Implementation of Mitigation Strategies Order Regulating the Use of National SAFER Response Centers 06/16/22 (22-013) |

4400 Reserved

4500 Geotechnical/Foundation

45052          Review of Geotechnical and Site Characterization Activities  
04/05/22 (22-006)

4600 Structural Concrete

4700 Containment (Post-Tensioning)

4800 Structural Steel and Supports

4900 Piping

49001          Inspection of Erosion-Corrosion / Flow-Accelerated-Corrosion Monitoring  
Programs 12/11/98 (98-019) R

5000 Mechanical Components and Equipment

50001          Steam Generator Replacement Inspection 02/04/25 (25-001)

50002          Steam Generators 12/31/96 (96-024) R

50003          Pressurizer Replacement Inspection 02/04/25 (25-001)

50054          Reactor Vessel Material Surveillance Program 12/04/08 (08-034) R

50056          RESERVED for Reactor Vessel Material Surveillance Program

5100 Electrical Components and Systems

51080          Part 52, Environmental Qualification (EQ) Program for Electrical and  
Mechanical Equipment 06/26/17 (17-013) R

5200 Instrumentation Systems and Components

52003          Digital Instrumentation and Control Modification Inspection  
07/09/21 (21-023)

5300 Containment Penetrations

5400 Cleanliness

5500 Welding

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

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| 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<br>Procedure Review/Work Observation/Record Review<br>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   | Decommissioning Spent Fuel Pool Maintenance, Surveillance, and Safety<br>06/27/25 (25-022)  |
| 60845   | Operation of Inter-Unit Fuel Transfer Canister and Cask System<br>05/16/19 (19-015)   |
| 60851   | Design Control of ISFSI Components 05/27/25 (25-013)  |
| 60852   | ISFSI Component Fabrication by Outside Fabricators 05/27/25 (25-013)  |
| 60853   | On-Site Fabrication of Components and Construction of an Independent<br>Spent Fuel Storage Installation 05/27/25 (25-013)   |
| 60854   | Preoperational Testing of an Independent Spent Fuel Storage Installation<br>05/27/25 (25-013)   |
| 60855   | Operation of an Independent Spent Fuel Storage Installation<br>05/27/25 (25-013)  |
| 60856   | Review of 10 CFR 72.212(b) Evaluations 05/27/25 (25-013)  |
| 60857   | Review of 10 CFR 72.48 Evaluations 10/20/20 (20-052)  |
| 60857.A | Inspection Guidance for Implementation of Interim Enforcement<br>Policy 9.4, Enforcement Discretion for General Licensee Adoption of<br>Certificate of Compliance Holder-Generated Changes Under Title 10 of<br>the <i>Code of Federal Regulations</i> Section 72.48, 11/20/25 (25-033) |
| 60858   | Away-From-Reactor Independent Spent Fuel Storage Installation<br>Inspection Guidance 05/27/25 (25-013)  |
| 60859   | Independent Spent Fuel Storage Installation (ISFSI) License Renewal<br>Inspection 09/11/2024 (24-025)   |

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| 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  | <u>Surveillance</u>  |
| 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  | <u>Maintenance</u>   |
| 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  |
| 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 Construction Testing

6400 Fire Prevention/Protection

- 64102 RESERVED for Part 52 Post fire Safe Shutdown, Emergency Lighting and Oil Collection Capabilities
- 64704 Decommissioning Fire Protection Program 06/27/25 (25-022)
- 64705 Part 52, Fire Protection Operational Program 06/04/19 (19-018) R

6500 10 CFR Part 52 ITAAC Inspections

- 65001 Inspections of Inspections, Tests, Analyses, and Acceptance Criteria (ITAAC) Related Work 08/13/13 (13-017) R
- 65001.01 Inspection of ITAAC-Related Foundations & Buildings 04/18/14 (14-010) R
- 65001.02 Inspection of ITAAC-Related Installation of Structural Concrete 11/22/11 (11-037) R
- 65001.03 Inspection of ITAAC-Related Installation of Piping 08/19/08 (08-024) R
- 65001.04 Inspection of ITAAC-Related Installation of Pipe Supports and Restraints 08/13/14 (14-018) R
- 65001.05 Inspection of ITAAC-Related Installation of Reactor Pressure Vessel and Internals 08/19/08 (08/19/08) R
- 65001.06 Inspection of ITAAC-Related Installation of Mechanical Components 01/27/15 (15-001) R
- 65001.07 Inspection of ITAAC-Related Installation of Valves 07/29/08 (08-021) R
- 65001.08 Inspection of ITAAC-Related Installation of Electric Components and Systems 08/19/08 (08-024) R
- 65001.09 Inspection of ITAAC-Related Installation of Electric and Fiber Optic Cable 08/05/09 (09-019) R
- 65001.10 Inspection of ITAAC-Related Installation of Instrument Components and Systems 10/20/08 (08-029) R
- 65001.11 Construction Inspection Program Inspection of ITAAC-Related Containment Integrity and Containment Penetration 08/19/08 (08-024) R
- 65001.11A Part 52, Containment Structural Integrity Test 12/20/19 (19-041) R
- 65001.12 Inspection of ITAAC-Related Installation of Heating, Ventilating, and Air Conditioning Systems 07/29/08 (08-021) R
- 65001.13 Inspection of ITAAC-Related Installation of Load Handling Equipment and Fuel Racks 08/05/09 (09-019) R
- 65001.14 Inspection of ITAAC-Related Installation of Complex Systems with Multiple Components 06/24/15 (15-012) R
- 65001.15 Inspection of ITAAC-Related Installation of Fire Protection Equipment 07/01/08 (08-019) R
- 65001.16 Inspection of ITAAC-Related Engineering 06/20/14 (14-013) R
- 65001.17 Inspection of ITAAC-Related Security Structures, Systems, and Components 09/30/16 (16-025) R
- 65001.18 Inspection of Emergency Planning ITAAC 10/30/08 (08-030) R
- 65001.19 Inspection of Installation of ITAAC-Related Radiation Monitoring Components and Systems 10/20/08 (08-029) R
- 65001.20 Inspection of Safety-Related Piping Design Acceptance Criteria (DAC)-Related ITAAC 06/02/11 (11-009) R

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| 65001.21 | Inspection of Pipe Rupture Hazards Analyses (Inside and Outside Containment) Design Acceptance Criteria (DAC)-Related ITAAC 11/07/11 (11-029) R |
| 65001.22 | Inspection of Digital Instrumentation and Control (DI&C) System/Software Design Acceptance Criteria (DAC) – Related ITAAC 12/19/11 (11-041) R   |
| 65001.23 | Inspection of Human Factors Engineering Verification and Validation ITAAC 12/22/14 (14-031) R   |
| 65001.A  | Inspection of the As-Built Attributes for Structures, Systems, and Components (SSCs) Associated with ITAAC 09/25/13 (13-023) R                  |
| 65001.B  | Inspection of the ITAAC-Related Welding and Nondestructive Examination Programs 11/04/19 (19-034) R   |
| 65001.C  | Inspection of the ITAAC-Related Construction Test Program 04/18/14 (14-010) R   |
| 65001.D  | Inspection of the ITAAC-Related Operational Testing Program 05/09/14 (14-011) R   |
| 65001.E  | Inspection of the ITAAC-Related Qualification Program 06/20/14 (14-013) R   |
| 65001.F  | Inspection of the ITAAC-Related Design and Fabrication Requirements 09/20/13 (13-022) R   |
| 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)   |

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| 69020   | Inspections of Safety-Related Items (and Services) During Construction of Non-Power Production and Utilization Facilities 03/25/25 (25-005)          |
| 69020.A | Inspection of Foundations and Buildings at Non-Power Production and Utilization Facilities 03/25/25 (25-005)   |
| 69020.B | Inspection of Structural Concrete at Non-Power Production and Utilization Facilities 03/25/25 (25-005)   |
| 69020.C | Inspection of Structural Steel and Supports at Non-Power Production and Utilization Facilities 03/25/25 (25-005)                                     |
| 69020.D | Inspection of Piping at Non-Power Production and Utilization Facilities 03/25/25 (25-005)  |
| 69020.E | Inspection of Piping Supports and Restraints at Non-Power Production and Utilization Facilities 03/25/25 (25-005)                                    |
| 69020.F | Inspection of Mechanical Components at Non-Power Production and Utilization Facilities 03/25/25 (25-005)   |
| 69020.G | Inspection of Electrical Cable at Non-Power Production and Utilization Facilities 03/25/25 (25-005)  |
| 69020.H | Inspection of Electrical Components and Systems at Non-Power Production and Utilization Facilities 03/25/25 (25-005)                                 |
| 69020.I | Inspection of Ventilation and Confinement Systems at Non-Power Production and Utilization Facilities 03/25/25 (25-005)                               |
| 69020.J | Inspection of Instrumentation and Control Systems at Non-Power Production and Utilization Facilities 03/25/25 (25-005)                               |
| 69020.K | Inspection of Safety Significant Welding at Non-Power Production and Utilization Facilities 03/25/25 (25-005)  |
| 69020.L | Inspection of Fire Protection Systems Under Construction at Non-Power Production and Utilization Facilities 03/25/25 (25-005)                        |
| 69020.M | Inspection of Digital Instrumentation and Control (DI&C) System/Software Design at Non-Power Production and Utilization Facilities 03/25/25 (25-005) |
| 69021   | Inspections of Quality Assurance Program Implementation During Construction of Non-Power Production and Utilization Facilities 03/25/25 (25-005)     |
| 69022   | Inspections of Operational Readiness During Construction of Non-Power Production and Utilization Facilities 03/25/25 (25-005)                        |

7000 Preoperational Testing

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| 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) R           |
| 70368 | Part 52 Containment Leak Rate Testing Program (Programmatic) 06/26/17 (17-013) R |
| 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) R       |

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 02/04/25 (25-001)   |
| 71013        | Site Inspection for Plants with a Timely Renewal Application<br>06/26/23 (23-018)                      |
| 71111        | Reactor Safety–Initiating Events, Mitigating Systems, Barrier Integrity<br>05/01/26 (26-019)           |
| 71111.01     | Adverse Weather Protection 05/01/26 (26-017)   |
| 71111.04     | Equipment Alignment 05/01/26 (26-017)  |
| 71111.05     | Fire Protection 05/01/26 (26-017)  |
| 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 05/01/26 (26-017)  |
| 71111.11     | Licensed Operator Requalification Program and Licensed Operator<br>Performance 05/01/26 (26-017)       |
| 71111.12     | Maintenance Effectiveness 03/31/21(21-016)   |
| 71111.13     | Maintenance Risk Assessments and Emergent Work Control<br>05/01/26 (26-017)                            |
| 71111.15     | Operability Determinations and Functionality Assessments<br>04/09/25 (25-006)                          |
| 71111.17T    | Evaluations of Changes, Tests, and Experiments 12/08/16 (16-032) R                                     |
| 71111.18     | Plant Modifications 11/21/24 (24-036)  |
| 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 06/27/25 (25-024)  |
| 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.03 | Commercial Grade Dedication 02/16/23 (23-004)  |
| 71111.21N.04 | Age-Related Degradation 04/09/25 (25-006)  |
| 71111.21N.05 | Fire Protection Team Inspection (FPTI) 06/12/19 (19-019)   |
| 71111.21T    | Engineering Safety Performance Inspection 05/01/26 (26-017)  |
| 71111.22     | Surveillance Testing 03/29/21 (21-015) R   |
| 71111.24     | Testing and Maintenance of Equipment Important to Risk<br>05/01/26 (26-017)                            |
| 71113        | RESERVED for Review of License Renewal Commitments for Plants in<br>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 12/12/24 (24-042)   |
| 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))   |
| 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)  |

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| 71124      | Radiation Safety - Public and Occupational 12/21/17 (17-031)   |
| 71124.01   | Radiological Hazard Assessment and Exposure Controls<br>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)  |
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| 71125      | RESERVED Radiation Safety - Public and Occupational  |
| 71125.01   | Radiological Performance - Refueling Outages 05/01/26 (26-019)   |
| 71125.02   | Radiological Performance - Remote Inspection 05/01/26 (26-019)   |
| 71125.03   | Occupational Radiation Safety Onsite Inspection 05/01/26 (26-019)  |
| 71125.04   | Public Radiation Safety Onsite Inspection 05/01/26 (26-019)  |
| 71130      | Security 12/06/23 (23-035)   |
| 71130.01   | Access Authorization 12/21/23 (23-039)   |
| 71130.02   | Access Control 12/18/23 (23-038)   |
| 71130.03   | Contingency Response - Force-On-Force Testing 09/24/25 (25-032)  |
| 71130.04   | Equipment Performance, Testing, and Maintenance 03/08/24 (24-009)  |
| 71130.05   | Protective Strategy Evaluation and Performance Evaluation Program<br>09/24/25 (25-032)                                 |
| 71130.07   | Security Training 01/02/24 (24-001)  |
| 71130.07EW | Enhanced Weapons and Preemption of Firearms Laws<br>01/02/24 (24-001)  |
| 71130.09   | Security Plan Changes 07/09/24 (24-020)  |
| 71130.08   | Fitness-for-Duty Program 01/23/24 (24-003)   |
| 71130.10   | Cybersecurity 03/24/26 (26-009)  |
| 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)  |
| 71130.15   | RESERVED   |
| 71130.16   | RESERVED   |
| 71130.17   | RESERVED   |
| 71150      | Discrepant or Unreported Performance Indicator Data 04/30/19 (19-013)  |
| 71151      | Performance Indicator Verification 12/12/24 (24-042)   |
| 71152      | Problem Identification and Resolution (PI&R) 05/01/26 (26-017)   |
| 71153      | Follow-up of Events and Notices of Enforcement Discretion<br>09/03/25 (25-029)   |
| 71303      | Part 52, Technical Specifications Review 07/08/20 (20-031) R   |
| 71715      | Sustained Control Room and Plant Observation 04/14/92 (92-004) R   |
| 71801      | Decommissioning Implantation and Status 06/27/25 (25-022)  |
| 71841      | Human Performance 12/12/00 (00-027) R  |

## 7200 Startup Testing

|       |  |
|-------|--|
| 72303 | Startup Testing for ABWR: Test Procedure Review, Test Witnessing, and<br>Test Results Evaluation 09/05/06 (06-021) R |
| 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

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) R  
 73753 Inservice Inspection 06/24/98 (98-010) R  
 73754 Part 52 - Preservice Inspection - Non-Destructive Examination  
 09/23/19 (19-029) R  
 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) R  
 73758 Part 52, Functional Design and Qualification, and Preservice and  
 Inservice Testing Programs for Pumps, Valves and Dynamic Restraints  
 02/06/20 (20-007) R

7400 Reserved

7500 Advanced Reactor Construction Oversight Program (ARCOP)

75000 RESERVED for ARCOP  
 75001 Inspection of Manufacturing and Construction Quality for Advanced  
 Power Reactor Structures, Systems, and Components 04/01/26 (26-011)  
 75001.01 Buildings and Structures 04/01/26 (26-011)  
 75001.02 Containment and Containment Penetrations 04/01/26 (26-011)  
 75001.03 Piping, Pipe Supports and Restraints 04/01/26 (26-011)  
 75001.04 Reactor Pressure Vessel (RPV) and RPV Internals 04/01/26 (26-011)  
 75001.05 Mechanical Systems and Components 04/01/26 (26-011)  
 75001.06 Electrical Systems, Components, and Cables 04/01/26 (26-011)  
 75001.07 Instrumentation and Control (I&C) Systems and Components  
 04/01/26 (26-011)  
 75001.08 Heating, Ventilation, and Air Conditioning Systems 04/01/26 (26-011)  
 75001.09 Load and Fuel Handling Equipment 04/01/26 (26-011)  
 75001.10 Preoperational Testing 04/01/26 (26-011)  
 75001.WELD RESERVED for Welding  
 75001.QUAL RESERVED for Equipment Qualification  
 75001.ENG RESERVED for Engineering, Design, & Fabrication Requirements  
 75100 RESERVED for Security  
 75100.01 RESERVED Access Authorization  
 75100.02 RESERVED Access Control  
 75100.03 RESERVED Performance Evaluation Program  
 75100.04 RESERVED Equipment Performance, Testing, and Maintenance  
 75100.05 RESERVED Protective Strategy Evaluation

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| 75100.06    | RESERVED Protection of Safeguards Information (SGI)                                  |
| 75100.07    | RESERVED Security Training   |
| 75100.08    | RESERVED Fitness-for-Duty (FFD) Operational Program                                  |
| 75100.09    | RESERVED Cybersecurity inspection for pre-fuel load construction                     |
| 75100.10    | RESERVED Security Organization, Management Effectiveness, Program Reviews and Audits |
| 75100.11    | RESERVED Material Control and Accounting (MC&A)                                      |
| 75100.12    | RESERVED   |
| 75100.13    | RESERVED   |
| 75100.14    | RESERVED Review of New Reactor Target Sets   |
| 75100.15    | RESERVED Cybersecurity inspection for post-fuel load construction                    |
| 75100.16    | RESERVED   |
| 75100.17    | RESERVED   |
| 75100.18    | RESERVED   |
| 75100.19    | RESERVED   |
| 75100.20    | RESERVED   |
| 75200–75299 | RESERVED for ARCOP Operational Readiness   |
| 75201       | RESERVED for Emergency Planning  |
| 75202       | RESERVED for Fire Protection   |
| 75203       | RESERVED for Human Factors Engineering (HFE)   |
| 75204       | RESERVED for Radiation Protection  |
| 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) R    |
| 80600       | RESERVED for Independent Assessment of Site Radiological Conditions                  |

## 8100 Physical Security

|          |   |
|----------|---|
| 81000    | Security 10/28/24 (24-033)  |
| 81000.01 | Access Authorization 07/24/24 (24-021)  |
| 81000.02 | Access Control 11/04/24 (24-035)  |
| 81000.03 | Performance Evaluation Program 12/10/24 (24-041)  |
| 81000.04 | Equipment Performance, Testing and Maintenance 11/04/24 (24-035)  |
| 81000.05 | Protective Strategy Evaluation 11/04/24 (24-035)  |
| 81000.06 | Protection of Safeguards Information 12/13/24 (24-043)  |
| 81000.07 | Security Training 08/06/25 (25-027)   |
| 81000.08 | Fitness-for-Duty Program 10/29/24 (24-033)  |
| 81000.09 | Cyber Security Inspection for Construction 09/30/16 (16-025)  |
| 81000.10 | Security Organization, Management Effectiveness, Program Reviews and Audits 12/10/24 (24-041)   |
| 81000.11 | Material Control and Accounting (MC&A) 11/22/24 (24-037)  |
| 81000.12 | Cybersecurity Restart Inspection – Pre-fuel Load 05/13/25 (25-011)  |
| 81000.13 | Cybersecurity Restart Inspection–Post-Fuel Load 12/16/25 (25-034)   |
| 81000.14 | Review of New Power Reactor Target Sets 11/04/24 (24-035)   |
| 81000.15 | RESERVED for Cybersecurity Inspection for Post-Fuel Load Construction   |
| 81072    | Access Control (Power Reactor) - Packages 05/09/84 (84-15) R  |
| 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 02/07/24 (24-006)   |
| 81340    | Physical Protection of Shipments of Special Nuclear Material of Low Strategic Significance (SNM-LSS) 11/23/09 (09-028)  |

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| 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 02/07/24 (24-006)  |
| 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 05/01/25 (25-010)  |
| 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)   |

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| 81700.08 | Category I Fuel Cycle Facility Fitness-for-Duty Programs<br>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<br>and Vendors 04/08/20 (20-020)                         |
| 81815    | Authorization for Access to National Security Information (NSI) and<br>Restricted Data (RD) 06/27/14 (14-014)                    |
| 81820    | Physical Protection Facility Approval and Safeguarding of National<br>Security Information and Restricted Data 11/26/24 (24-038) |
| 81822    | Protection of Safeguards Information 10/31/24 (24-034)   |
| 81823    | RESERVED MC&A for Power Reactors   |

## 8200 Emergency Planning

|          |   |
|----------|---|
| 82001    | Evaluation of Emergency Preparedness 05/22/00 (00-010) R  |
| 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) R   |
| 82002.01 | Facilities and Equipment 11/08/11 (11-030) R  |
| 82002.02 | Procedure Quality 11/08/11 (11-030) R   |
| 82002.03 | Review of Exercise Objectives and Exercise Scenario for Power Reactors<br>11/08/11 (11-030) R       |
| 82002.04 | Emergency Preparedness Exercises 11/08/11 (11-030) R  |
| 82002.05 | Emergency Response Organization On-Shift Staffing and Augmentation<br>Drills 11/08/11 (11-030) R    |
| 82002.06 | Emergency Response Organization, Dose Assessment Drills<br>11/08/11 (11-030) R                      |
| 82002.07 | Operational Status of the Emergency Preparedness Program<br>11/08/11 (11-030) R                     |
| 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<br>04/24/13 (13-012) R               |
| 82401    | Decommissioning Emergency Preparedness Scenario Review and<br>Exercise 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) R                     |

8300 Radiation Protection

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|----------|---|
| 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<br>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) R  |
| 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) R  |
| 83534    | Part 52, Internal Exposure Control and Assessment 03/04/20 (20-013) R   |
| 83535    | Part 52, Control of Radioactive Materials and Contamination, Surveys, and Monitoring 03/04/20 (20-013) R  |
| 83536    | Part 52, Facilities and Equipment 03/04/20 (20-013) R   |
| 83537    | Part 52 Maintaining Occupational Exposures ALARA 03/04/20 (20-013) R  |
| 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) R   |
| 83750    | Decommissioning Occupational Radiation Control 06/27/25 (25-022)  |
| 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

|       |  |
|-------|--|
| 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)<br>01/01/84 (reactivated 08-032) R  |

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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 Program 04/30/20 (20-022) R  |
| 84528 | Part 52, Liquid Waste Management Program 04/30/20 (20-022) R   |
| 84529 | Part 52, Gaseous Waste Management Program 05/07/20(20-024) R   |
| 84750 | Decommissioning Radioactive Waste Treatment, and Effluent and Environmental Monitoring 06/27/25 (25-022)   |
| 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

|       |   |
|-------|---|
| 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)                     |
| 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 05/30/24 (24-016)   |
| 85205 | Item Control Program 05/30/24 (24-016)  |
| 85207 | Measurement Program 05/30/24 (24-016)   |
| 85209 | Measurement Control Program 05/30/24 (24-016)   |
| 85211 | Physical Inventory Program 05/30/24 (24-016)  |
| 85213 | Resolution Program for Category II Facilities 05/30/24 (24-016)   |
| 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

- 86001 Design, Fabrication, Testing, and Maintenance of Transportation Packagings 05/21/25 (25-012)
- 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 Decommissioning Solid Radioactive Waste Management, Demolition and Transportation of Radioactive Materials 06/27/25 (25-022)

8700 Materials Safety Inspection

- 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)
- 87121 Industrial Radiography Programs 05/16/24 (24-015)
- 87122 10 CFR Part 36 Panoramic Dry-Source-Storage, Panoramic Wet-Source-Storage, and Underwater Irradiator Programs 12/21/23 (23-039)
- 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 12/21/23 (23-039)
- 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)
- 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
- 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

- 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 01/27/26 (26-002)
- 88045 Effluent Control and Environmental Protection 04/17/26 (26-013)
- 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 Modifications 05/06/26 (26-020)
- 88071 Configuration Management Program 03/06/14 (14-007)
- 88072 Plant Modifications (Triennial) 08/21/18 (18-027) R
- 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)
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- 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)
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| 88120    | RESERVED Draft Construction and Operational Readiness Inspections for the Internal Isotopes Uranium Deconversion Facility      |
| 88121    | RESERVED for Draft Operational Readiness Reviews for Uranium Deconversion Facilities   |
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| 88132    | Structural Concrete Activities 10/25/06 (06-030)   |
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| 93810    | Service Water System Operational Performance Inspection (SWSOPI) 09/14/98 (98-013)   |
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| 93813    | RESERVED for Part 52 Operational Readiness Assessment Team Inspection  |
| 93816    | RESERVED for Problem Identification and Resolution Team Inspection   |
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| 95001    | Supplemental Inspection Response to Action Matrix Column 2 (Regulatory Response) Inputs 08/19/2021 (21-028)  |
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9600 Materials Safety and Security

96001 NRC Force-on-Force Inspections at Category 1 Fuel Cycle Facilities  
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9700 Reserved

9800 Reserved

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

**PART  
GUIDANCE**

Technical Guidance

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| ASME Section III & XI | American Society of Mechanical Engineers ASME Boiler and Pressure Vessel Code, Section III & XI 11/12/96 (96-022) |
| ASME Section XI       | American Society of Mechanical Engineers ASME Boiler and Pressure Vessel Code, Section XI 12/08/86 (86-54)        |
| ASME Section XI       | American Society of Mechanical Engineers ASME, Section XI 05/12/86 (86-26)  |
| STS Sec 1.0           | Operability 05/12/86 (86-26)  |
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| 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

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

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]

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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)  
Ice Condenser System Inspections 06/06/05 (05-015)

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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]

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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<br>11/15/74 (74-010) |

## Interpretations

### **OPERATING EXPERIENCE** **SMART SAMPLES**

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| FY2007/01       | PWR Containment Sump Recirculation Pipe Foreign Material Blockage 11/20/06 <b>R</b>  |
| FY2007/02 Rev 3 | Analysis of Flooding Vulnerabilities 09/11/18 (18-031)   |
| FY2007/03 Rev 3 | 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 <b>R</b>   |
| FY2008/01       | Negative Trend and Recurring Events Involving Emergency Diesel Generators 11/29/07 <b>R</b>  |
| FY2009/01       | Inspection of Electrical Connections for Motor Control Center, Circuit Breakers, and Interfaces 10/29/08 <b>R</b>  |
| FY2009/02       | Negative Trend and Recurring Events Involving Feedwater Systems 12/23/08 <b>R</b>  |
| FY2012/02 Rev 1 | Technical Specification Interpretation and Operability Determination 05/17/12 <b>R</b>   |
| 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) <b>R</b> |
| FY2019/01       | Commercial Grade Dedication, Procurement, and Design Control 07/30/19 (19-025) <b>R</b>  |
| FY2020/01       | Flex Equipment Design Control, Maintenance, and Testing 10/21/20 (20-053)  |
| FY2023/01       | Digital Instrumentation and Controls 02/12/24 (24-007)   |
| FY2023/02       | Probabilistic Risk Assessment Configuration Control 01/09/24 (24-002)  |

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