

# NRC INSPECTION MANUAL

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2920	Construction Appraisal Team Inspection Program 03/29/85 (85-11)

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3100 Reserved

3200 Reserved

3300 Reserved

3400 Reserved

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- 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

37805	Engineering Design Verification Inspections 04/08/20 (20-020)
37806	RESERVED Non-Nuclear Co-Located Facilities
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40802	Decommissioning Safety Reviews, Design Changes, And Modifications 06/27/25 (25-022)
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41502	Nuclear Power Plant Simulation Facilities 10/16/12 (12-024) R
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42401	Part 52, Plant Procedures 10/27/10 (10-022) R
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42454	Part 52, Emergency Operating Procedures 09/09/13 (13-020) R
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43003	Reactive Inspections of Nuclear Vendors 04/08/20 (20-020)
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4700 Containment (Post-Tensioning)

4800 Structural Steel and Supports

4900 Piping

49001 Inspection of Erosion-Corrosion / Flow-Accelerated-Corrosion Monitoring  
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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

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5200 Instrumentation Systems and Components

52003 Digital Instrumentation and Control Modification Inspection  
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5500 Welding

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55100	Structural Welding General Inspection Procedure 06/20/83 (83-06) R
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57060	Liquid Penetrant Testing Examination 03/09/99 (99-003) R
57070	Magnetic Particle Testing Examination 03/09/99 (99-003) R
57080	Ultrasonic Testing Examination 03/09/99 (99-003) R
57090	Nondestructive Examination Procedure Radiographic Examination Procedure Review/Work Observation/Record Review 06/14/93 (93-005) R
5800	<u>Special Processes</u>
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60710	Refueling Activities 07/27/95 (95-009) R
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60845	Operation of Inter-Unit Fuel Transfer Canister and Cask System 05/16/19 (19-015)
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60853	On-Site Fabrication of Components and Construction of an Independent Spent Fuel Storage Installation 05/27/25 (25-013)
60854	Preoperational Testing of an Independent Spent Fuel Storage Installation 05/27/25 (25-013)
60855	Operation of an Independent Spent Fuel Storage Installation 05/27/25 (25-013)
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60857.A	Inspection Guidance for Implementation of Interim Enforcement Policy 9.4, Enforcement Discretion for General Licensee Adoption of Certificate of Compliance Holder-Generated Changes Under Title 10 of the <i>Code of Federal Regulations</i> Section 72.48, 11/20/25 (25-033)
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60859	Independent Spent Fuel Storage Installation (ISFSI) License Renewal Inspection 09/11/2024 (24-025)

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
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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
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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

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
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6700	<u>Reserved</u>
6800	<u>Reserved</u>
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71111.22	Surveillance Testing 03/29/21 (21-015) R
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71715	Sustained Control Room and Plant Observation 04/14/92 (92-004) R
71801	Decommissioning Implantation and Status 06/27/25 (25-022)
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 72501 RESERVED for Part 52 Initial Fuel Load Procedure Review  
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 72701 Modification Testing 04/14/92 (92-004) R

7300 In-service Inspection

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 73052 In-service Inspection - Review of Procedures 01/14/86 (86-03) R  
 73054 Part 52, Preservice and Inservice Inspection - Review of Program  
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 73753 Inservice Inspection 06/24/98 (98-010) R  
 73754 Part 52 - Preservice Inspection - Non-Destructive Examination  
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 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  
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 73758 Part 52, Functional Design and Qualification, and Preservice and  
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7400 Reserved

7500 Advanced Reactor Construction Oversight Program (ARCOP)

75000 RESERVED for ARCOP  
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 75001.01 Buildings and Structures 04/01/26 (26-011)  
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75100.06	RESERVED Protection of Safeguards Information (SGI)
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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

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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)

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)

81700.08	Category I Fuel Cycle Facility Fitness-for-Duty Programs 05/15/17 (17-010)
81700.09	Security Measures for Licensed Facilities 03/02/20 (20-012)
81700.10	Protection of Safeguards Information at Category I Fuel Cycle Facilities 05/15/17 (17-010)
81700.11	Annual Observation of Licensee Conducted Force-on-Force Exercises at Category I Fuel Cycle Facilities 10/27/17 (17-023)
81810	Protection of Safeguards Information 09/10/07 (07-027)
81811	Protection of Safeguards Information By Design Certification Applicants and Vendors 04/08/20 (20-020)
81815	Authorization for Access to National Security Information (NSI) and Restricted Data (RD) 06/27/14 (14-014)
81820	Physical Protection Facility Approval and Safeguarding of National Security Information and Restricted Data 11/26/24 (24-038)
81822	Protection of Safeguards Information 10/31/24 (24-034)
81823	RESERVED MC&A for Power Reactors

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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 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 Drills 11/08/11 (11-030) R
82002.06	Emergency Response Organization, Dose Assessment Drills 11/08/11 (11-030) R
82002.07	Operational Status of the Emergency Preparedness Program 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 04/24/13 (13-012) R
82401	Decommissioning Emergency Preparedness Scenario Review and Exercise Evaluation 09/04/14 (14-020)
82501	Decommissioning Emergency Preparedness Program Evaluation 09/04/14 (14-020)
82701	Operational Status of the Emergency Preparedness Program 04/24/13 (13-012) R

8300 Radiation Protection

83311	RESERVED for Part 52, Radiation Protection During Construction
83501	Significant Uncontrolled Radiation Exposures 04/17/00 (00-006) R
83502	Evaluation of Public Radiation Safety 04/17/11 (00-006) R
83502.01	Radioactive Gaseous and Liquid Effluent Treatment and Monitoring Systems 04/17/00 (00-006) R
83502.02	Radioactive Material Processing and Transportation 04/17/00 (00-006) R
83502.03	Radiological Environmental Monitoring Program (REMP) and Radioactive Material Control Program 04/17/00 (00-006) R
83523	Radiation Protection, Plant Chemistry, Radwaste, Transportation and Environmental: Training and Qualifications 01/01/84 (reactivated 08-032) R
83529	RESERVED for Part 52 Radiation Protection – Startup
83531	Part 52, Life Cycle Minimization of Contamination and Groundwater Protection Program 03/04/20 (20-013) 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) 01/01/84 (reactivated 08-032) R

84525	Quality Assurance and Confirmatory Measurements for In-Plant Radiochemical Analysis (Preoperational and Supplemental) 5/23/85 (reactivated 08-032)
84526	RESERVED for Part 52 Radwaste – Startup
84527	Part 52, Solid Waste Management Program 04/30/20 (20-022) 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)
- 88102 Surveillance Observations 12/30/96 (96-026)
- 88103 Maintenance Observations 12/30/96 (96-026)
- 88104 Decommissioning Inspection Procedure for Fuel Cycle Facilities 12/15/22 (22-026)
- 88106 Quality Assurance: Program Development and Implementation (Pre-licensing and Construction) 02/07/07 (07-006)
- 88107 Quality Assurance: Design and Documentation Control (Pre-licensing and Construction) 05/18/05 (05-013)
- 88108 Quality Assurance: Control of Materials, Equipment, and Services (Pre-licensing and Construction) 02/07/07 (07-006)
- 88109 Quality Assurance: Inspection, Test Control, and Control of Measuring and Test Equipment (Pre-licensing and Construction) 06/20/07 (07-020)
- 88110 Quality Assurance: Problem Identification, Resolution and Corrective Action (PIRCA) (Construction, Pre-Operation and Operation) 05/18/05 (05-013)
- 88111 10 CFR, Part 21, Inspection-Facility Construction 02/07/07 (07-006)
- 88112 RESERVED for Software Validation
- 88113 Control of the Electronic Management of Data 02/07/07 (07-006)
- 88114 Quality Affecting Item Procurement (10 CFR Part 21) and Commercial Grade Item Dedication Process (Reactive) 10/25/06 (06-030)
- 88115 Supplier/Vendor Inspection (Construction Phase) 10/25/06 (06-030)
- 88117 Facility Changes (License Application) and Change Process (10 CFR 70.72) (Pre-Licensing and Construction) 09/20/16 (16-023)

88120	RESERVED Draft Construction and Operational Readiness Inspections for the Internal Isotopes Uranium Deconversion Facility
88121	RESERVED for Draft Operational Readiness Reviews for Uranium Deconversion Facilities
88130	Resident Inspection Program for On-Site Construction Activities at the Mixed-Oxide Fuel Fabrication Facility 03/02/16 (16-009)
88131	Geotechnical/Foundation Activities 10/25/06 (06-030)
88132	Structural Concrete Activities 10/25/06 (06-030)
88133	Structural Steel and Supports Activities 7/25/07 (07-023)
88134	Piping Systems Relied on for Safety 05/18/05 (05-013)
88135	Resident Inspection Program for Category I Fuel Cycle Facilities 12/02/20 (20-067)
88135.02	Resident Inspection Program Plant Status Activities 12/02/20 (20-067)
88135.04	Resident Inspection Program Operational Safety 12/02/20 (20-067)
88135.05	Resident Inspection Program Fire Protection (Annual/Quarterly) 12/02/20 (20-067)
88135.17	Resident Inspection Program Plant Modifications 12/02/20 (20-067)
88135.19	Resident Inspection Program Post-Maintenance Testing 12/02/20 (20-067)
88135.22	Resident Inspection Program Surveillance Testing 12/02/20 (20-067)
88136	Mechanical Components 7/25/07 (07-023)
88137	Electrical Cable 04/01/10 (10-010)
88138	Electrical Components and Systems 08/08/07 (07-024)
88139	Ventilation and Confinement Systems 08/08/07 (07-024)
88140	Instrumentation and Control Systems 04/01/10 (10-010)
88141	Fire Prevention and Protection 08/08/07 (07-024)
88142	Underground Fire Water Loop and Equipment Installation 08/08/07 (07-024)
88143	Pipe Supports and Restraints 7/25/07 (07-023)
88150	RESERVED for Training and Qualification of Plant Personnel
88151	RESERVED for Facility Changes and Change Process (10 CFR70.72)
88152	RESERVED for Physical Protection Equipment and Barriers
88153	RESERVED for Material Control and Accounting
88154	RESERVED for Fire Safety and Protection Systems
88155	RESERVED for Functional Verifications of IROFS
88156	RESERVED for Integrated Safety Analysis Implementation
88157	RESERVED for Waste Management Equipment and Systems
88158	RESERVED for Environmental Protection - Initial and Periodic Inspections
88159	RESERVED for Process Enclosures and Vessels
88160	RESERVED for Utilities and Bulk Chemicals
88161	Corrective Action Program (CAP) Implementation at Fuel Cycle Facilities 07/28/14 (14-017)
88200	Inspections of Safety Significant Items and Services during Construction of Fuel Cycle Facilities 05/28/25 (25-014)
88200.A	Inspection of Foundations and Buildings at Fuel Cycle Facilities 05/28/25 (25-014)
88200.B	Inspection of Structural Concrete at Fuel Cycle Facilities 05/28/25 (25-014)
88200.C	Inspection of Structural Steel and Supports at Fuel Cycle Facilities 05/28/25 (25-014)

88200.D	Inspection of Piping at Fuel Cycle Facilities 05/28/25 (25-014)
88200.E	Inspection of Piping Supports and Restraints at Fuel Cycle Facilities 05/28/25 (25-014)
88200.F	Inspection of Mechanical Components at Fuel Cycle Facilities 05/28/25 (25-014)
88200.G	Inspection of Electrical Cable at Fuel Cycle Facilities 05/28/25 (25-014)
88200.H	Inspection of Electrical Components and Systems at Fuel Cycle Facilities 05/28/25 (25-014)
88200.I	Inspection of Ventilation and Confinement Systems at Fuel Cycle Facilities 05/28/25 (25-014)
88200.J	Inspection of Instrumentation and Control Systems at Fuel Cycle Facilities 05/28/25 (25-014)
88200.K	Inspection of Safety-Significant Welding at Fuel Cycle Facilities 05/28/25 (25-014)
88200.L	Inspection of Fire Protection Systems Under Construction at Fuel Cycle Facilities 05/28/25 (25-014)
88200.M	Inspection of Digital Instrumentation and Control (DI&C) System/Software Design at Fuel Cycle Facilities 05/28/25 (25-014)
88201	Inspections of Management Measures during Construction of Fuel Cycle Facilities 06/20/25 (25-018)
88201.A	Configuration Management 06/20/25 (25-018)
88201.B	Maintenance 06/20/25 (25-018)
88201.C	Training and Qualifications 06/20/25 (25-018)
88201.D	Procedures 06/20/25 (25-018)
88201.E	Audits and Assessments 06/20/25 (25-018)
88201.F	Incident Investigations 06/20/25 (25-018)
88201.G	Records Management 06/20/25 (25-018)
88201.H	Other Quality Assurance (QA) Elements 06/20/25 (25-018)
88202	Inspections of Operational Readiness During Construction of Fuel Cycle Facilities 02/10/26 (26-006)

8900 Fuel Facility and Materials Special Program

89002	RESERVED for Uranium Mill program
89003	RESERVED for Uranium Mill program
89005	Management Organization and Controls at Uranium Recovery and 11e.(2) Byproduct Material Facilities 10/08/21 (21-034)
89010	Disposal Cell Construction at Uranium Recovery and 11e.(2) Byproduct Material Facilities 10/08/21 (21-034)
89015	Construction and Preoperational Inspection Program at Uranium Recovery and 11e.(2) Byproduct Material Facilities 10/08/21 (21-034)
89020	Groundwater and Water Management at Uranium Recovery and 11e.(2) Byproduct Material Facilities 10/08/21 (21-034)
89025	Assessment of Dryer and Yellowcake Packaging Operations 07/26/24 (24-022)
89030	Radiation Protection at Uranium Recovery and 11e.(2) Byproduct Material Facilities 10/08/21 (21-034)
89035	Radioactive Waste Management and Transportation at Uranium Recovery and 11e.(2) Byproduct Material Facilities 10/08/21 (21-034)

89045	Effluent Control and Environmental Protection at Uranium Recovery and 11e.(2) Byproduct Material Facilities 10/08/21 (21-034)
89050	Emergency Preparedness and Fire Protection at Uranium Recovery and 11e.(2) Byproduct Material Facilities 10/08/21 (21-034)
89060	Department of Energy Observational Site Visits 11/15/22 (22-026)
9000	<u>Reportable Matters and Report Reviews</u>
90001	Construction Regulatory Response Column Inspections 10/27/10 (10-022) R
90002	Construction Degraded Performance Column Inspections 10/28/14 (14-026) R
90003	Construction Supplemental Inspection for Repetitive Degraded Cornerstones, Multiple Degraded Cornerstones, Multiple Yellow Inputs or One Red Input 10/28/14 (14-026) R
90502	RESERVED for Part 52 Reportable Matters - Test Program
90700	Feedback of Operational Experience Information at Operating Power Reactors 03/23/05 (05-008) R
90712	In-office Review of Written Reports of NonRoutine Events at Power Reactor Facilities 12/31/98 (98-020) R
9100	<u>Title 10 Requirements</u>
9200	<u>Planned Non-Routine Activities</u>
92050	Review of Quality Assurance for Extended Construction Delay 04/04/00 (00-005)
92700	Onsite Follow-up of Written Reports of NonRoutine Events at Power Reactor Facilities 12/31/98 (98-020) R
92701	Followup 03/13/07 (07-010)
92702	Follow-Up on Traditional Enforcement Actions Including Traditional Enforcement Violations, Deviations, Confirmatory Action Letters, and Orders 03/25/26 (26-010)
92703	Followup of Confirmatory Action Letters or Orders 05/13/09 (09-012)
92707	Security Inspection of Facilities Impacted by a Local, State, or Federal Emergency Where the U.S. Nuclear Regulatory Commission's Ability to Conduct Triennial Force-On-Force Exercises is Limited 03/14/24 (24-010)
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92709	Contingency Plans for Licensee Strikes or Lockouts 05/16/19 (19-015)
92711	Implementation of Licensee Contingency Plans During a Strike/Lockout 05/16/19 (19-015)
92712	Resumption of Normal Operations after a Strike/Lockout 05/16/19 (19-015)
92714	RESERVED for Part 52 Follow-up
92720	Corrective Action 09/28/98 (reactivated 07-034)
92721	RESERVED for Part 52 Follow-up on Corrective Actions for Violations and Deviations

92722	Follow-Up Inspection for Any Severity Level I or II Traditional Enforcement Violation or for Two or More Severity Level III Traditional Enforcement Violations in a 12-Month Period 09/16/21 (21-031) R
92723	Follow-Up Inspection for One Severity Level III and Two Severity Level IV Traditional Enforcement Violations or for Three or More Severity Level IV Traditional Enforcement Violations in the Same Area in a 12-Month Period 09/16/21 (21-031) R
9300	<u>Non-Routine Activities</u>
93002	Managing Fatigue 11/21/24 (24-036)
93100	Safety-Conscious Work Environment Issue of Concern Follow-up 07/14/21 (21-024)
93800	Augmented Inspection Team 06/07/22 (22-012)
93801	Safety System Functional Inspection (SSFI) 07/25/96 (96-016)
93802	Operational Safety Team Inspection (OSTI) 11/27/89 (89-015)
93803	Safety Systems Outage Modifications Inspection 04/27/89 (89-008)
93804	Risk-Based Operational Safety and Performance Inspection 01/15/92 (92-001)
93805	Maintenance Program 08/06/93 (93-070)
93806	Operational Readiness Assessment Team Inspections 09/29/98 (98-015)
93807	Systems Based Instrumentation and Control Inspection 01/29/93 (93-001)
93810	Service Water System Operational Performance Inspection (SWSOPI) 09/14/98 (98-013)
93811	Electrical Distribution System Functional Inspection (EDSFI) 02/03/99 (99-002)
93812	Special Inspection 06/07/22 (22-012)
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9500	<u>Strategic Determination Actions</u>
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95003	Supplemental Inspection Response to Action Matrix Column 4 (Multiple/Repetitive Degraded Cornerstone) Inputs 06/07/22 (22-012)
95003.01	Emergency Preparedness 01/15/09 (09-002)
95003.02	Guidance for Conducting Independent NRC Safety Culture Assessment 04/16/25 (25-008)

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

9900 Guidance<sup>2</sup>

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

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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)
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ASME Section XI	American Society of Mechanical Engineers ASME, Section XI 05/12/86 (86-26)
STS Sec 1.0	Operability 05/12/86 (86-26)
STS Sec 1.0	Definitions 12/08/86 (86-54)
STS Sec 3.0	Acceptable Measurement Tolerances for Technical Specification Limits 10/01/78 (78-35)
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]

### Mechanical

Freeze Plugs 06/14/93 (93-005)  
Steam Generator Plugs and Sleeving Repairs 08/01/94 (94-014)  
Steam Generator Tube-to-Secondary Leakage 09/09/03 (03-033)  
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**

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10	Title 10 of the Code of Federal Regulations 12/08/86 (86-54)
10 CFR71 and 49 CFR171-178	Transportation of Radioactive Material 12/01/04 (04-027)
50.55(e)	Construction Deficiency Reporting 01/31/89 (89-002)
50.55a	Codes and Standards 02/22/73 (73-9)
Part 50, App A	Definition of Leak-Before-Break Analysis 09/26/96 (96-020)
Part 50	Appendix J, Containment Integrated Leak Rate Testing 12/08/86 (86-54)
70.51	Material Balance, Inventory, and Records Requirements 12/19/74 (74-11)
70.52	Report of Accidental Criticality or Loss of Special Nuclear Material 11/15/74 (74-010)

### Interpretations

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

FY2007/01	PWR Containment Sump Recirculation Pipe Foreign Material Blockage 11/20/06 <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)

END