

# NRC INSPECTION MANUAL

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- 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)

3700 Design, Design Changes, Modifications

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

37805	Engineering Design Verification Inspections 04/08/20 (20-020)
37806	RESERVED Non-Nuclear Co-Located Facilities
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3900	<u>Records</u>
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40100	Independent Safety Culture Assessment Followup 07/26/18 (18-022)
40505	RESERVED for Effectiveness of Process to Identify, Resolve, and Prevent Construction Problems
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41500	Training and Qualification Effectiveness 06/13/95 (95-007) R
41501	Part 52, Review of Training and Qualification Programs 06/04/19 (19-018)
41502	Nuclear Power Plant Simulation Facilities 10/16/12 (12-024)
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42453	Part 52, Operating Procedures Inspection 08/19/08 (08-024)
42454	Part 52, Emergency Operating Procedures 09/09/13 (13-020)
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43006	Inspection of the Implementation of Mitigation Strategies Order Regulating the Use of National SAFER Response Centers 06/16/22 (22-013)

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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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50001            Steam Generator Replacement Inspection 09/12/17 (17-018)  
50002            Steam Generators 12/31/96 (96-024) R  
50003            Pressurizer Replacement Inspection 09/12/17 (17-018)  
50054            Reactor Vessel Material Surveillance Program 12/04/08 (08-034)  
50056            RESERVED for Reactor Vessel Material Surveillance Program

5100 Electrical Components and Systems

51080            Part 52, Environmental Qualification (EQ) Program for Electrical and  
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5200 Instrumentation Systems and Components

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55100	Structural Welding General Inspection Procedure 06/20/83 (83-06) R
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5700	<u>Nondestructive Examination, Destructive Examination and Fabrication Testing</u>
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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
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5900	<u>Reserve Shutdown System</u>
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60710	Refueling Activities 07/27/95 (95-009) R
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60858	Away-From-Reactor Independent Spent Fuel Storage Installation Inspection Guidance 11/12/20 (20-062)
60859	RESERVED for Initial Review of Aging Management Programs at Independent Spent Fuel Storage Installations
60860	RESERVED for Welding Verification Checklist for Transportation and ISFSI Components



60861	RESERVED for Nondestructive Examination Procedure Visual Examination Procedure Review/Work Observation/Record Review of Transportation and ISFSI Components
60862	RESERVED for Nondestructive Examination Procedure Liquid Penetrant Examination Procedure Review/Work Observation/Record Review of Transportation ISFSI Components
60863	RESERVED for Nondestructive Examination Procedure Magnetic Particle Examination Procedure Review/Work Observation/Record Review of Transportation ISFSI Components
60864	RESERVED for Nondestructive Examination Procedure Ultrasonic Examination Procedure Review/Work Observation/Record Review
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61706	Core Thermal Power Evaluation 07/14/86 (86-36) R
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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>
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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

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6400 Fire Prevention/Protection

- 64102 RESERVED for Part 52 Post fire Safe Shutdown, Emergency Lighting and Oil Collection Capabilities
- 64704 Fire Protection Program at Permanently Shutdown Reactors 11/05/20 (20-059)
- 64705 Part 52, Fire Protection Operational Program 06/04/19 (19-018)

6500 10 CFR Part 52 ITAAC Inspections

- 65001 Inspections of Inspections, Tests, Analyses, and Acceptance Criteria (ITAAC) Related Work 08/13/13 (13-017)
- 65001.01 Inspection of ITAAC-Related Foundations & Buildings 04/18/14 (14-010)
- 65001.02 Inspection of ITAAC-Related Installation of Structural Concrete 11/22/11 (11-037)
- 65001.03 Inspection of ITAAC-Related Installation of Piping 08/19/08 (08-024)
- 65001.04 Inspection of ITAAC-Related Installation of Pipe Supports and Restraints 08/13/14 (14-018)
- 65001.05 Inspection of ITAAC-Related Installation of Reactor Pressure Vessel and Internals 08/19/08 (08/19/08)
- 65001.06 Inspection of ITAAC-Related Installation of Mechanical Components 01/27/15 (15-001)
- 65001.07 Inspection of ITAAC-Related Installation of Valves 07/29/08 (08-021)
- 65001.08 Inspection of ITAAC-Related Installation of Electric Components and Systems 08/19/08 (08-024)
- 65001.09 Inspection of ITAAC-Related Installation of Electric and Fiber Optic Cable 08/05/09 (09-019)
- 65001.10 Inspection of ITAAC-Related Installation of Instrument Components and Systems 10/20/08 (08-029)
- 65001.11 Construction Inspection Program Inspection of ITAAC-Related Containment Integrity and Containment Penetration 08/19/08 (08-024)
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- 65001.16 Inspection of ITAAC-Related Engineering 06/20/14 (14-013)
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- 65001.18 Inspection of Emergency Planning ITAAC 10/30/08 (08-030)
- 65001.19 Inspection of Installation of ITAAC-Related Radiation Monitoring Components and Systems 10/20/08 (08-029)
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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)
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6800	<u>Reserved</u>
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 73755 Inservice Inspection - Data Review and Evaluation 10/27/10 (10-022) R  
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81000.03	Performance Evaluation Program 09/07/12 (12-020)
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81000.07	Security Training 09/24/19 (19-030)
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81200.06	Protection of Safeguards Information for Decommissioning Nuclear Power Reactors 01/05/21 (21-001)
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81200.10	RESERVED for Decommissioning Cyber Security
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81365	Records, Reports, and Planning for Physical Protection of Formula Quantities of Special Nuclear Material in Transit 11/23/09 (09-028)
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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)
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