

NRC INSPECTION MANUAL

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35033	RESERVED for Post-Docketing Design Certification Quality Assurance Controls Inspection
35034	Design Certification Testing Inspection 03/23/20 (20-017)
35101	QA Program Implementation Inspection for Operational Programs 12/29/21 (21-041)
35710	Quality Assurance Inspection of Software Used in Nuclear Applications 01/30/18 (18-002)
35962	RESERVED for Part 52 QA Program Evaluation of Engineering Service Organization

3600 Organization and Administration

- 36100 Inspection of 10 CFR Part 21 and Programs for Reporting Defects and Noncompliance 05/16/19 (19-015)
- 36100.01 Inspection of 10 CFR 50.55(e) Programs for Reporting Defects and Noncompliance During Construction 11/13/19 (19-035)
- 36302 Part 52. Operational Staffing 08/19/08 (08-024)

3700 Design, Design Changes, Modifications

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

3800 Procurement

3900 Records

4000 Review and Audit

- 40002 Inspections to Review Allegations 06/28/02 (02-024)
- 40100 Independent Safety Culture Assessment Followup 07/26/18 (18-022)
- 40505 RESERVED for Effectiveness of Process to Identify, Resolve, and Prevent Construction Problems
- 40600 Licensee Program for Managing Inspections, Tests, Analyses, and Acceptance Criteria (ITAAC) Closure 05/29/20 (20-025)
- 40801 Problem Identification and Resolution at Permanently Shutdown Reactors 08/11/97 (97-012)

4100 Training

- 41500 Training and Qualification Effectiveness 06/13/95 (95-007) R
- 41501 Part 52, Review of Training and Qualification Programs 06/04/19 (19-018)
- 41502 Nuclear Power Plant Simulation Facilities 10/16/12 (12-024)

4200 Procedures

- 42001 Emergency Operating Procedures 06/28/91 (91-009) R
- 42401 Part 52, Plant Procedures 10/27/10 (10-022)
- 42453 Part 52, Operating Procedures Inspection 08/19/08 (08-024)
- 42454 Part 52, Emergency Operating Procedures 09/09/13 (13-020)

42700	Plant Procedures 11/15/95 (95-015) R
4300	<u>Vendor Procedures</u>
43002	Routine Inspections of Nuclear Vendors 04/05/22 (22-006)
43003	Reactive Inspections of Nuclear Vendors 04/08/20 (20-020)
43004	Inspection of Commercial-Grade Dedication Programs 04/05/22 (22-006)
43005	NRC Oversight of Third-Party Organizations Implementing Quality Assurance Requirements 06/01/22 (22-011)
43006	Inspection of the Implementation of Mitigation Strategies Order Regulating the Use of National SAFER Response Centers 06/16/22 (22-013)
4400	<u>Reserved</u>
4500	<u>Geotechnical/Foundation</u>
45052	Review of Geotechnical and Site Characterization Activities 04/05/22 (22-006)
4600	<u>Structural Concrete</u>
4700	<u>Containment (Post-Tensioning)</u>
4800	<u>Structural Steel and Supports</u>
4900	<u>Piping</u>
49001	Inspection of Erosion-Corrosion / Flow-Accelerated-Corrosion Monitoring Programs 12/11/98 (98-019) R
5000	<u>Mechanical Components and Equipment</u>
50001	Steam Generator Replacement Inspection 09/12/17 (17-018)
50002	Steam Generators 12/31/96 (96-024) R
50003	Pressurizer Replacement Inspection 09/12/17 (17-018)
50054	Reactor Vessel Material Surveillance Program 12/04/08 (08-034)
50056	RESERVED for Reactor Vessel Material Surveillance Program
5100	<u>Electrical Components and Systems</u>
51080	Part 52, Environmental Qualification (EQ) Program for Electrical and Mechanical Equipment 06/26/17 (17-013)

5200	<u>Instrumentation Systems and Components</u>
52003	Digital Instrumentation and Control Modification Inspection 07/09/21 (21-023)
5300	<u>Containment Penetrations</u>
5400	<u>Cleanliness</u>
5500	<u>Welding</u>
55050	Nuclear Welding General Inspection Procedure 06/20/83 (83-06) R
55100	Structural Welding General Inspection Procedure 06/20/83 (83-06) R
5600	<u>Calibration</u>
56700	Calibration 03/23/05 (05-008) R
5700	<u>Nondestructive Examination, Destructive Examination and Fabrication Testing</u>
57050	Visual Testing Examination 03/09/99 (99-003) R
57060	Liquid Penetrant Testing Examination 03/09/99 (99-003) R
57070	Magnetic Particle Testing Examination 03/09/99 (99-003) R
57080	Ultrasonic Testing Examination 03/09/99 (99-003) R
57090	Nondestructive Examination Procedure Radiographic Examination Procedure Review/Work Observation/Record Review 06/14/93 (93-005) R
5800	<u>Special Processes</u>
5900	<u>Reserve Shutdown System</u>
6000	<u>Fuel Fabrication, Handling and Storage</u>
60705	Preparation for Refueling 07/27/95 (95-009) R
60710	Refueling Activities 07/27/95 (95-009) R
60715	Spent Fuel Pool Safety at Operating Reactors 09/16/20 (20-043)
60801	Spent Fuel Pool Maintenance, Surveillance, and Safety at Permanently Shutdown Reactors 09/09/20 (20-041)
60845	Operation of Inter-Unit Fuel Transfer Canister and Cask System 05/16/19 (19-015)
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60852	ISFSI Component Fabrication by Outside Fabricators 01/16/08 (08-003)
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60854	Preoperational Testing of an Independent Spent Fuel Storage Installation 10/20/20 (20-052)
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60857	Review of 10 CFR 72.48 Evaluations 10/20/20 (20-052)
60858	Away-From-Reactor Independent Spent Fuel Storage Installation Inspection Guidance 11/12/20 (20-062)
60859	RESERVED for Initial Review of Aging Management Programs at Independent Spent Fuel Storage Installations
60860	RESERVED for Welding Verification Checklist for Transportation and ISFSI Components
60861	RESERVED for Nondestructive Examination Procedure Visual Examination Procedure Review/Work Observation/Record Review of Transportation and ISFSI Components
60862	RESERVED for Nondestructive Examination Procedure Liquid Penetrant Examination Procedure Review/Work Observation/Record Review of Transportation ISFSI Components
60863	RESERVED for Nondestructive Examination Procedure Magnetic Particle Examination Procedure Review/Work Observation/Record Review of Transportation ISFSI Components
60864	RESERVED for Nondestructive Examination Procedure Ultrasonic Examination Procedure Review/Work Observation/Record Review
60865	RESERVED for Nondestructive Examination Procedure Radiographic Examination Procedure Review/Work Observation/Record Review of Transportation and ISFSI Components
6100	<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>
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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
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62712	Part 52, Maintenance Rule 08/13/13 (13-017) R
6300	<u>Construction Testing</u>
6400	<u>Fire Prevention/Protection</u>
64102	RESERVED for Part 52 Post fire Safe Shutdown, Emergency Lighting and Oil Collection Capabilities
64704	Fire Protection Program at Permanently Shutdown Reactors 11/05/20 (20-059)
64705	Part 52, Fire Protection Operational Program 06/04/19 (19-018)
6500	<u>10 CFR Part 52 ITAAC Inspections</u>
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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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65001.12	Inspection of ITAAC-Related Installation of Heating, Ventilating, and Air Conditioning Systems 07/29/08 (08-021)
65001.13	Inspection of ITAAC-Related Installation of Load Handling Equipment and Fuel Racks 08/05/09 (09-019)

65001.14	Inspection of ITAAC-Related Installation of Complex Systems with Multiple Components 06/24/15 (15-012)
65001.15	Inspection of ITAAC-Related Installation of Fire Protection Equipment 07/01/08 (08-019)
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65001.17	Inspection of ITAAC-Related Security Structures, Systems, and Components 09/30/16 (16-025)
65001.18	Inspection of Emergency Planning ITAAC 10/30/08 (08-030)
65001.19	Inspection of Installation of ITAAC-Related Radiation Monitoring Components and Systems 10/20/08 (08-029)
65001.20	Inspection of Safety-Related Piping Design Acceptance Criteria (DAC)-Related ITAAC 06/02/11 (11-009)
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6700	<u>Reserved</u>
6800	<u>Reserved</u>
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70369	RESERVED for Part 52 Containment Leak Rate Testing
70371	RESERVED for Part 52 Testing of Pipe Support and Restraint System
70701	RESERVED
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71130.06	Protection of Safeguards Information 09/30/16 (16-024)
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71130.14	Review of Power Reactor Target Sets 09/12/17 (17-018)
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71801	Decommissioning Performance and Status Reviews at Permanently Shutdown Reactors 09/30/20 (20-045)
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7200 Startup Testing

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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
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72701	Modification Testing 04/14/92 (92-004) R

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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 03/04/20 (20-013)
73753	Inservice Inspection 06/24/98 (98-010) R
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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 09/23/19 (19-029)
73758	Part 52, Functional Design and Qualification, and Preservice and Inservice Testing Programs for Pumps, Valves and Dynamic Restraints 02/06/20 (20-007)

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7500 Reserved

7600 Reserved

7700 Reserved

7800 High Level Waste

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7900 Water Chemistry

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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 Environmental Protection

80211 RESERVED for Part 52 Environmental Protection - Initial & Periodic
Inspection

80522 Part 52, Radiological Environmental Monitoring Program (REMP)
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80600 RESERVED for Independent Assessment of Site Radiological Conditions

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81000.03 Performance Evaluation Program 09/07/12 (12-020)

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81000.14 Review of New Power Reactor Target Sets 01/29/19 (19-004)

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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)
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81200.09	Security Plan Changes for Decommissioning Power Reactors 02/18/21 (21-009)
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81200.14	Review of Decommissioning Target Sets 01/05/21 (21-001)
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81311	Physical Security Requirements for Independent Spent Fuel Storage Installations 06/28/22 (22-014)
81335	Physical Protection of Shipments of Special Nuclear Material of Moderate Strategic Significance (SNM-MSS) 12/02/09 (09-029)
81340	Physical Protection of Shipments of Special Nuclear Material of Low Strategic Significance (SNM-LSS) 11/23/09 (09-028)
81360	General Requirements for Physical Protection of Formula Quantities of Special Nuclear Material in Transit 12/02/09 (09-029)
81365	Records, Reports, and Planning for Physical Protection of Formula Quantities of Special Nuclear Material in Transit 11/23/09 (09-028)
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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)
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81607	Protection of Safeguards Information and Safeguards Information Modified Handling – Non-Power Reactors 03/13/20 (20-015)
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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)
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9800 Reserved

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PART

GUIDANCE

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

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