

NRC INSPECTION MANUAL

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2810	Master Materials License Oversight and Inspection Program 10/11/12 (12-023)
2815	Construction and Preoperational Inspection of Panoramic, Wet-Source-Storage Gamma Irradiators 03/27/01 (01-010)
2882	Transfer of NRC License Files to Agreement State(s) 12/03/01 (01-029)
2900	<u>Performance Appraisal Program</u>
2901	Team Inspections 08/24/01 (01-016)
2920	Construction Appraisal Team Inspection Program 03/29/85 (85-11)
3000	<u>Management Meetings</u>
30800	Initial Management Meeting - Materials Licensees 10/01/76 (76-26)
3100	<u>Reserved</u>
3200	<u>Reserved</u>
3300	<u>Reserved</u>
3400	<u>Reserved</u>

3500 Quality Assurance

- 35002 Early Site Permit Pre-Docketing Quality Assurance Controls Meeting 05/29/03 (03-018)
- 35004 Pre-Docketing Early Site Permit Quality Assurance Controls Inspection 05/29/03 (03-018)
- 35006 Post-Docketing Early Site Permit Quality Assurance Controls Inspection 05/29/03 (03-018)
- 35007 Quality Assurance Program Implementation During Construction and Pre-Construction Activities 12/08/16 (16-032)
- 35012 Early Site Permit Quality Assurance Controls Assessment and Conclusion 05/29/03 (03-018)
- 35017 Quality Assurance Implementation Inspection 07/29/08 (08-021)
- 35023 RESERVED for Design Reliability Assurance Program
- 35031 RESERVED for Design Certification Pre-Meeting
- 35032 RESERVED for Pre-Docketing Design Certification Quality Assurance Controls Inspection
- 35033 RESERVED for Post-Docketing Design Certification Quality Assurance Controls Inspection
- 35034 Design Certification Testing Inspection 03/23/20 (20-017)
- 35101 QA Program Implementation Inspection for Operational Programs 07/08/16 (16-015)
- 35701 Quality Assurance Program Review 09/17/01 (01-017)
- 35710 Quality Assurance Inspection of Software Used in Nuclear Applications 01/30/18 (18-002)
- 35962 RESERVED for Part 52 QA Program Evaluation of Engineering Service Organization

3600 Organization and Administration

- 36100 Inspection of 10 CFR Parts 21 and 50.55(e) Programs for Reporting Defects and Noncompliance 05/16/19 (19-015)
- 36100.01 Inspection of 10 CFR Part 21 and Programs for Reporting Defects and Noncompliance During Construction 11/13/19 (19-035)
- 36302 Part 52. Operational Staffing 08/19/08 (08-024)
- 36801 Organization, Management, and Cost Controls at Permanently Shutdown Reactors 08/11/97 (97-012)

3700 Design, Design Changes, Modifications

- 37060 Inspections under the 10CFR Part 50.69 Special Program 07/28/20 (20-035)
- 37700 Design Changes, and Modifications 09/17/01 (01-017)
- 37801 Safety Reviews, Design Changes, and Modifications at Permanently Shutdown Reactors 08/11/97 (97-012)
- 37803 RESERVED
- 37804 Aircraft Impact Assessment Inspection 03/23/20 (20-017)
- 37805 Engineering Design Verification Inspections 04/08/20 (20-020)

3800 Procurement

3900 Records

39701 Records Program 09/17/01 (01-017)

4000 Review and Audit

40002 Inspections to Review Allegations 06/28/02 (02-024)

40100 Independent Safety Culture Assessment Follow-up 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 Self-Assessment, Auditing, and Corrective Action at Permanently Shutdown Reactors 08/11/97 (97-012)

4100 Training

41500 Training and Qualification Effectiveness 06/13/95 (95-007)

41501 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)

42401 Part 52, Plant Procedures 10/27/10 (10-022)

42453 Part 52, Operating Procedures Inspection 08/19/08 (08-024)

42454 Part 52, Emergency Operating Procedures 09/09/13 (13-020)

42700 Plant Procedures 11/15/95 (95-015)

4300 Vendor Procedures

43002 Routine Inspections of Nuclear Vendors 01/27/17 (17-002)

43003 Reactive Inspections of Nuclear Vendors 04/08/20 (20-020)

43004 Inspection of Commercial-Grade Dedication Programs 01/27/17 (17-002)

43005 NRC Oversight of Third-Party Organizations Implementing Quality Assurance Requirements 10/08/15 (15-019)

43006 Inspection of the Implementation of Mitigation Strategies Orders Regarding the Use of National Response Centers 09/30/16 (16-025)

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- 45051 Geotechnical/Foundation Activities Procedure Review 05/29/03 (03-018)
- 45052 Review of Geotechnical and Site Characterization Activities
10/03/07 (07-030)

4600 Structural Concrete

4700 Containment (Post-Tensioning)

4800 Structural Steel and Supports

4900 Piping

5000 Mechanical Components and Equipment

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

5100 Electrical Components and Systems

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

- 52003 Digital Instrumentation and Control Modification Inspection
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5300 Containment Penetrations

5400 Cleanliness

5500 Welding

- 55050 Nuclear Welding General Inspection Procedure 06/20/83 (83-06)
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5600 Calibration

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5700 Nondestructive Examination, Destructive Examination and Fabrication Testing

57050 Visual Testing Examination 03/09/99 (99-003)
57060 Liquid Penetrant Testing Examination 03/09/99 (99-003)
57070 Magnetic Particle Testing Examination 03/09/99 (99-003)
57080 Ultrasonic Testing Examination 03/09/99 (99-003)
57090 Nondestructive Examination Procedure Radiographic
Examination Procedure Review/Work Observation/Record
Review 06/14/93 (93-005)

5800 Special Processes

5900 Reserve Shutdown System

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60710 Refueling Activities 07/27/95 (95-009)
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60801 Spent Fuel Pool Safety at Permanently Shutdown Reactors
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60845 Operation of Intra-Unit Fuel Transfer Canister and Cask System
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60851 Design Control of ISFSI Components 01/16/08 (08-003)
60852 ISFSI Component Fabrication by Outside Fabricators 01/16/08 (08-003)
60853 On-Site Fabrication of Components and Construction of an
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60854 Preoperational Testing of an Independent Spent Fuel Storage Installation
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60854.1 Preoperational Testing of Independent Spent Fuel Storage
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60855 Operation of an Independent Spent Fuel Storage Installation
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60855.1 Operation of an Independent Spent Fuel Storage Installation at
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60856 Review of 10 CFR 72.212(b) Evaluations 03/05/08 (08-010)
60856.1 Review of 10 CFR 72.212(b) Evaluations at Operating Plants
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60857 Review of 10 CFR 72.48 Evaluations 10/24/07 (07-033)
60858 Away-From-Reactor ISFSI Inspection Guidance 05/03/07 (07-015)
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

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- 61706 Core Thermal Power Evaluation 07/14/86 (86-36)
- 61707 Determination of Reactor Shutdown Margin 10/11/85 (85-31)
- 61708 Isothermal and Moderator Temperature Coefficient Determinations 10/11/85 (85-31)
- 61709 Total Power Coefficient of Reactivity at Pressurized Water Reactors 07/14/86 (86-36)
- 61710 Control Rod Worth Measurements (PWR) 10/11/85 (85-31)
- 61715 Verification of Containment Integrity 12/23/86 (86-60)
- 61720 Containment Local Leak Rate Testing 10/03/85 (85-30)
- 61726 Surveillance Observations 06/24/98 (98-010)
- 61728 Independent Measurement of RCS Leak Rates for a PWR 01/01/84 (84-02)

6200 Maintenance

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- 62003 Inspection of Steel and Concrete Containments at Nuclear Power Plants 06/11/97 (97-008)
- 62706 Maintenance Rule 12/13/00 (00-028)
- 62708 Motor-Operated Valve Capability 07/16/20 (20-033)
- 62709 Configuration Risk Assessment and Risk Management Process 12/28/00 (00-029)
- 62710 Power-Operated Gate Valve Pressure Locking and Thermal Binding 04/30/10 (10-013)
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64102	RESERVED for Part 52 Post fire Safe Shutdown, Emergency Lighting and Oil Collection Capabilities
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64705	Part 52, Fire Protection Operational Program 06/04/19 (19-018)
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65001.02	Inspection of ITAAC-Related Installation of Structural Concrete 11/22/11 (11-037)
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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)
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65001.08	Inspection of ITAAC-Related Installation of Electric Components and Systems 08/19/08 (08-024)
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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)
65001.21	Inspection of Pipe Rupture Hazard Analysis Design Acceptance Criteria (DAC) – Related ITAAC 11/07/11 (11-029)
65001.22	Inspection of Digital Instrumentation and Control (DI&C) System/Software Design Acceptance Criteria (DAC) – Related ITAAC 12/19/11 (11-041)
65001.23	Inspection of Human Factors Engineering Integrated System Validation ITAAC 12/22/14 (14-031)
65001.23, App A	Inspection Guide for AP1000 Human Factors Engineering Integrated System Validation 12/22/14 (14-031)
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6800	<u>Reserved</u>
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- 70367 Inspection of Pre-operational Test Program 01/15/14 (14-001)
- 70368 Part 52 Containment Leak Rate Testing (Programmatic)
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- 70369 RESERVED for Part 52 Containment Leak Rate Testing
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- 70702 Inspection of Preoperational Test Performance 12/06/17 (17-028)

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- 71003 Post-Approval Site Inspection for License Renewal 07/08/16 (16-015)
- 71004 Power Uprate 05/15/17 (17-010)
- 71007 Reactor Vessel Head Replacement Inspection 10/03/17 (17-020)
- 71111 Reactor Safety-Initiating Events, Mitigating Systems,
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- 71111.01 Adverse Weather Protection 12/20/19 (19-041)
- 71111.04 Equipment Alignment 12/20/18 (18-043)
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7600	<u>Reserved</u>
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- 79702 Control and monitoring of Radiological Source Term 04/17/00 (00-006)

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- 80600 RESERVED for Independent Assessment of Site Radiological Conditions
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- 81200 Security 07/28/20 (20-035)
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- 81200.02 Access Control for Decommissioning Nuclear Power Reactors 08/27/14 (14-019)
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