

# NRC INSPECTION MANUAL

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2800	<u>Materials Inspection Program</u>
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2800/030	Verification of the Status of Devices Authorized For Use Under a General License 05/30/00 (00-011)
2800/032	Follow-up - Materials Safeguard Advisory 10/31/01 (01-023)
2800/036	Inspection of Manufacturing and Distribution Licensees 09/13/04 (04-024)
2800/037	Safety Procedures for Panoramic Irradiators Rev 1 07/14/05 (05-019)
2800/040	Material Control and Accounting at Nuclear Power Plants and Wet Storage Sites 03/07/11 (11-002)
2800/041	10 CFR Part 37 Materials Security Review at Facilities with a Title 10 Code of Federal Regulations Part 73 Physical Protection Program 07/01/15 (15-013)
2800/043	Inspection of Facilities Potentially Contaminated with Discrete Radium
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2801	Uranium Mill 11e.(2) Byproduct Material Disposal Site and Facility Inspection Program 08/25/00 (00-014)
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)
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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 Reserved

3300 Reserved

3400 Reserved

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 01/27/10 (10-003)

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 02/13/12 (12-002)

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  
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- 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 02/09/12 (12-001)
- 37805 Engineering Design Verification Inspections 04/25/11 (11-007)

3800 Procurement

3900 Records

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

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- 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  
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- 40600 Licensee Program for Inspections, Tests, Analyses,  
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- 40801 Self-Assessment, Auditing, and Corrective Action at Permanently  
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- 41500 Training and Qualification Effectiveness 06/13/95 (95-007)
- 41501 Review of Training and Qualification Programs  
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- 41502 Nuclear Power Plant Simulation Facilities 10/16/12 (12-024)

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- 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)

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43003	Reactive Inspections of Nuclear Vendors 12/14/15 (15-029)
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)
4400	<u>Reserved</u>
4500	<u>Geotechnical/Foundation</u>
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	<u>Structural Concrete</u>
4700	<u>Containment (Post-Tensioning)</u>
4800	<u>Structural Steel and Supports</u>
4900	<u>Piping</u>
5000	<u>Mechanical Components and Equipment</u>
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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	<u>Electrical Components and Systems</u>
51080	Part 52, Environmental Qualifications (EQ) Program for Electrical and Mechanical Equipment 06/26/17 (17-013)
5200	<u>Instrumentation Systems and Components</u>
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5400 Cleanliness

5500 Welding

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- 55100 Structural Welding General Inspection Procedure 06/20/83 (83-06)

5600 Calibration

- 56700 Calibration 03/23/05 (05-008)

5700 Nondestructive Examination, Destructive Examination and Fabrication Testing

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- 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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- 60705 Preparation for Refueling 07/27/95 (95-009)
- 60710 Refueling Activities 07/27/95 (95-009)
- 60715 Spent Fuel Safety at Operating Reactors 10/30/15 (15-022)
- 60801 Spent Fuel Pool Safety at Permanently Shutdown Reactors 01/11/16 (16-001)
- 60845 Operation of Intra-Unit Fuel Transfer Canister and Cask System 05/16/19 (19-015)
- 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 ISFSI 01/16/08 (08-003)
- 60854 Preoperational Testing of an Independent Spent Fuel Storage Installation 01/16/08 (08-003)
- 60854.1 Preoperational Testing of Independent Spent Fuel Storage Facility Installation at Operating Plants 05/16/19 (19-015)



60855	Operation of an Independent Spent Fuel Storage Installation 01/16/08 (08-003)
60855.1	Operation of an Independent Spent Fuel Storage Installation at Operating Plants 05/16/19 (19-015)
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 05/16/19 (19-015)
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 Welding Verification Checklist for Transportation and ISFSI Components
60860	RESERVED for Nondestructive Examination Procedure Visual Examination Procedure Review/Work Observation/Record Review of Transportation and ISFSI Components
60861	RESERVED for Nondestructive Examination Procedure Liquid Penetrant Examination Procedure Review/Work Observation/Record Review of Transportation ISFSI Components
60862	RESERVED for Nondestructive Examination Procedure Magnetic Particle Examination Procedure Review/Work Observation/Record Review of Transportation ISFSI Components
60863	RESERVED for Nondestructive Examination Procedure Ultrasonic Examination Procedure Review/Work Observation/Record Review
60864	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)
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62708	Motor-Operated Valve Capability 10/23/13 (13-026)
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62801	Maintenance and Surveillance at Permanently Shutdown Reactors 08/11/97 (97-012)
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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)
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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)
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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)
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65001.21	Inspection of Pipe Rupture Hazard Analysis Design Acceptance Criteria (DAC) – Related ITAAC 11/07/11 (11-029)
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70323	Containment Leak Rate Test Results Evaluation 10/03/85 (85-30)
70367	Inspection of Pre-operational Test Program 01/15/14 (14-001)
70368	Part 52 Containment Leak Rate Testing (Programmatic) 06/26/17 (17-013)
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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72501	RESERVED for Part 52 Initial Fuel Load Procedure Review
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73755	In-service Inspection - Data Review and Evaluation 10/27/10 (10-022)
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## 7400 Reserved

## 7500 Reserved

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7900 Water Chemistry

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79504 RESERVED for Part 52 Plant systems Affecting Plant Water Chem.

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Inspection

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

80721 Radiological Environmental Monitoring 09/17/01(01-017)

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