

# NRC INSPECTION MANUAL

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2690/011	Review of Aging Management Programs at Independent Spent Fuel Storage Installations 01/30/18 (18-002)
2694	Fuel Cycle Facility Construction and Pre-operational Readiness Review Inspection Programs 08/30/17 (17-017)
2696	Louisiana Energy Services Gas Centrifuge Facility Construction and Pre-Operational Readiness Review Inspection Programs 10/19/06 (06-028)

2700 Licensee Contractor and Vendor Inspection Program

2800 Materials Inspection Program

2800	Materials Inspection Program 09/12/17 (17-018)
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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 Rev 2	Inspection of Facilities Potentially Contaminated with Discrete Radium 226 Sources 05/09/18 (18-011)
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)
2882	Transfer of NRC License Files to Agreement State(s) 12/03/01 (01-029)

2900 Performance Appraisal Program

	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)
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3200	<u>Reserved</u>	
3300	<u>Reserved</u>	
3400	<u>Reserved</u>	
3500	<u>Quality Assurance</u>	
	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	<u>Organization and Administration</u>	

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	<u>Design, Design Changes, Modifications</u>
37060	Inspections under the 10CFR Part 50.69 Special Program 09/14/11 (11-016)
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	<u>Procurement</u>
3900	<u>Records</u>
39701	Records Program 09/17/01 (01-017)
4000	<u>Review and Audit</u>
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 Inspections, Tests, Analyses, and Acceptance Criteria (ITAAC) Management 07/28/14 (14-017)
40801	Self-Assessment, Auditing, and Corrective Action at Permanently Shutdown Reactors 08/11/97 (97-012)
4100	<u>Training</u>
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	<u>Procedures</u>

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)
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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>
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	<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>
52003	Digital Instrumentation and Control Modification Inspection 10/31/08 (08-031)
5300	<u>Containment Penetrations</u>
5400	<u>Cleanliness</u>
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55100	Structural Welding General Inspection Procedure 06/20/83 (83-06)
5600	<u>Calibration</u>
56700	Calibration 03/23/05 (05-008)
5700	<u>Nondestructive Examination, Destructive Examination and Fabrication Testing</u>
57050	Visual Testing Examination 03/09/99 (99-003)
57060	Liquid Penetrant Testing Examination 03/09/99 (99-003)
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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	<u>Special Processes</u>
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6000	<u>Fuel Fabrication, Handling and Storage</u>
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)
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60856	Review of 10 CFR 72.212(b) Evaluations 03/05/08 (08-010)
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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)
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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
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6100	<u>Surveillance</u>
61705	Calibration of Nuclear Instrumentation Systems 05/12/86 (86-25)
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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- 62002 Inspection of Structures, Passive Components, and Civil Engineering Features at Nuclear Power Plants 12/31/96 (96-024)
- 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 10/23/13 (13-026)
- 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)
- 62711 RESERVED for Operational Reliability Assurance Process
- 62712 Part 52, Maintenance Rule 08/13/13 (13-017)
- 62801 Maintenance and Surveillance at Permanently Shutdown Reactors 08/11/97 (97-012)

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6400 Fire Prevention/Protection

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- 64704 Fire Protection Program 06/24/98 (98-010)
- 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)
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65001.10	Inspection of ITAAC-Related Installation of Instrument Components and Systems 10/20/08 (08-029)
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6800	<u>Reserved</u>
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69008	Class I Research and Test Reactor Procedures 02/03/04 (04-004)
69009	Class I Research and Test Reactor Fuel Movement 02/03/04 (04-004)
69010	Class I Research and Test Reactor Surveillance 02/03/04 (04-004)
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70368	Part 52 Containment Leak Rate Testing (Programmatic) 06/26/17 (17-013)
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72304	AP1000 Startup Test Inspections 02/28/19 (19-009)
72401	Part 52, Inspection of Startup Test Program 09/26/19 (19-031)
72501	RESERVED for Part 52 Initial Fuel Load Procedure Review
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73753	In-service Inspection 06/24/98 (98-010)
73754	Part 52 - Preservice Inspection - Non-Destructive Examination 09/23/19 (19-029)
73755	In-service Inspection - Data Review and Evaluation 10/27/10 (10-022)
73756	In-service Testing of Pumps and Valves 07/27/95 (95-009)
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

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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)

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

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

8100 Physical Security

81000 Security 01/29/19 (19-004)

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81000.02 Access Control 04/01/19 (19-011)

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

81000.04 Equipment Performance, Testing and Maintenance 07/01/19 (19-020)

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81000.10	Security Organization, Management Effectiveness, Program Reviews and Audits 09/07/12 (12-020)
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81200	Security 08/27/14 (14-019)
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