

# 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	<u>Licensee Contractor and Vendor Inspection Program</u>
2800	<u>Materials Inspection Program</u>
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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)
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2800/038	Inspection of the Implementation of Increased Controls for Licensees Authorized to Possess Risk Significant Radioactive Material 03/30/06 (06-008)
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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)
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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)
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2901	Team Inspections 08/24/01 (01-016)
2920	Construction Appraisal Team Inspection Program 03/29/85 (85-11)
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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>
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35004	Pre-Docketing Early Site Permit Quality Assurance Controls Inspection 05/29/03 (03-018)
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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)
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3600	<u>Organization and Administration</u>
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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)
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37060	Inspections under the 10CFR Part 50.69 Special Program 09/14/11 (11-016)
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37805	Engineering Design Verification Inspections 04/25/11 (11-007)
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3900	<u>Records</u>
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40505	RESERVED for Effectiveness of Process to Identify, Resolve, and Prevent Construction Problems

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4400	<u>Reserved</u>
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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	<u>Structural Concrete</u>
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- 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 Mechanical Equipment 06/26/17 (17-013)

5200 Instrumentation Systems and Components

- 52003 Digital Instrumentation and Control Modification Inspection 10/31/08 (08-031)

5300 Containment Penetrations

5400 Cleanliness

5500 Welding

- 55050 Nuclear Welding General Inspection Procedure 06/20/83 (83-06)
- 55100 Structural Welding General Inspection Procedure 06/20/83 (83-06)

5600 Calibration

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

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- 57060 Liquid Penetrant Testing Examination 03/09/99 (99-003)
- 57070 Magnetic Particle Testing Examination 03/09/99 (99-003)
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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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60854.1	Preoperational Testing of Independent Spent Fuel Storage Facility Installation at Operating Plants 09/05/06 (06-022)
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60855.1	Operation of an Independent Spent Fuel Storage Installation at Operating Plants 09/05/06 (06-022)
60856	Review of 10 CFR 72.212(b) Evaluations 03/05/08 (08-010)
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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

6100    Surveillance

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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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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)

6300    Construction Testing

6400    Fire Prevention/Protection

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64704        Fire Protection Program 06/24/98 (98-010)  
64705        Part 52, Fire Protection Operational Program 10/03/07 (07-030)

6500 10 CFR Part 52 ITAAC Inspections

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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)
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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)
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)
65001.12	Inspection of ITAAC-Related Installation of Heating, Ventilating, and Air Conditioning Systems 07/29/08 (08-021)
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65001.15	Inspection of ITAAC-Related Installation of Fire Protection Equipment 07/01/08 (08-019)
65001.16	Inspection of ITAAC-Related Engineering 06/20/14 (14-013)
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)
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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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65001.B	Inspection of the ITAAC-Related Welding Program 09/25/13 (13-023)
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65001.D	Inspection of the ITAAC-Related Operational Testing Program 05/09/14 (14-011)
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6800	<u>Reserved</u>
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69006	Class I Research and Test Reactors Organization and Operations and Maintenance Activities 02/03/04 (04-004)
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72501	RESERVED for Part 52 Initial Fuel Load Procedure Review

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7500	<u>Reserved</u>
7600	<u>Reserved</u>
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7900	<u>Water Chemistry</u>
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