

# NRC INSPECTION MANUAL

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- 65001.D Inspection of the ITAAC-Related Operational Testing Program  
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- 65001.E Inspection of the ITAAC-Related Qualification Program 08/19/08  
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- 65001.F Inspection of the ITAAC-Related Design and Fabrication  
Requirements 08/19/08 (08-024)
- 65001.01 Inspection of ITAAC-Related Foundations & Buildings 10/03/07  
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- 65001.02 Inspection of ITAAC-Related Installation of Structural Concrete  
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- 65001.03 Inspection of ITAAC-Related Installation of Piping 08/19/08  
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- 65001.04 Inspection of ITAAC-Related Installation of Pipe Supports and  
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- 65001.05 Inspection of ITAAC-Related Installation of Reactor Pressure  
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- 65001.06 Inspection of ITAAC-Related Installation of Mechanical Components  
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- 65001.07 Inspection of ITAAC-Related Installation of Valves 07/29/08  
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- 65001.08 Inspection of ITAAC-Related Installation of Electric Components  
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- 65001.09 Inspection of ITAAC-Related Installation of Electric and Fiber Optic  
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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)
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 07/29/08 (08-021)
65001.15	Inspection of ITAAC-Related Installation of Fire Protection Equipment 07/01/08 (08-019)
65001.16	Inspection of ITAAC-Related Engineering 10/03/07 (07-030)
65001.17	Inspection of ITAAC-Related Security Structures, Systems, and Components 10/15/09 (09-024)
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 (CN 11-029)
65001.22	Reserved for Inspection of Digital Instrumentation and Control (DI&C) System/Software Design Acceptance Criteria (DAC) – Related ITAAC
65001.23	Reserved for AP1000 HFE Integrated System Validation –
65001.24	Reserved for AP1000 HFE Task Support Verification –
65001.25	Reserved for AP1000 HFE Design Verification –
65001.26	Reserved for AP1000 HFE As-Built Configuration Verification –
65051	Low-Level Radioactive Waste Storage Facilities 06/13/86 (reactivated 07-034)
6600	<u>Reserved</u>
6700	<u>Reserved</u>
6800	<u>Reserved</u>
6900	<u>Non-Power Reactor Inspection</u>
69001	Class II Research and Test Reactors 02/03/04 (04-004)
69002	Class III Research and Test Reactors 02/03/04 (04-004)
69003	Class I Research and Test Reactor Operator Licenses, Requalification, and Medical Examinations 02/03/04 (04-004)
69004	Class I Research and Test Reactor Effluent and Environmental Monitoring 02/03/047 (04-004)
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- 69007 Class I Research and Test Reactor Review and Audit and Design Change Functions 02/03/04 (04-004)
- 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)
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- 69011 Class I Research and Test Reactor Emergency Preparedness 02/03/04 (04-004)
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- 70300 Preoperational Test Procedure Test Review 10/01/83 (reactivated 08-032)
- 70301 Overall Preoperational Test Program Review Requirements 10/01/83 (reactivated 08-032)
- 70302 Preoperational Test Program Implementation 10/01/83 (reactivated 08-032)
- 70304 Engineered Safety Features Test - Preoperational Test Procedure Review 08/06/03 (03-028)
- 70305 Reactor Protection System Test Preoperational Test Procedure Review Preoperational Testing Procedure Verification 01/01/79 (reactivated 08-032)
- 70306 Loss of Offsite Power Test - Preoperational Test Procedure Review 01/01/79 (reactivated 09-003)
- 70307 Containment Integrated Leak Rate Test - Procedure Review 03/07/86 (86-13)
- 70308 Preoperational Hot Functional Testing - PWR Procedure Review) 10/01/83 (reactivated 08-032)
- 70311 Preoperational Testing Procedure Verification 10/01/83 (reactivated 08-032)
- 70312 Preoperational Test Witnessing 10/01/83 (reactivated 08-032)
- 70313 Containment Integrated Leak Rate Test 11/12/85 (85-36)
- 70314 HFT Witnessing 10/01/81 (reactivated 08-032)
- 70315 Engineered Safety Features Test Preoperational Test Witnessing) 01/01/79 (reactivated 08-032)
- 70316 Loss of Offsite Power Test Preoperational Test Witnessing 01/01/79 (reactivated 08-032)
- 70317 Reactor Protection System Test Preoperational Test Witnessing 01/01/79 (reactivated 08-032)
- 70323 Containment Leak Rate Test Results Evaluation 10/03/85 (85-30)

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- 70324 Preoperational Test Results Evaluation - Integrated Hot Functional Test 04/01/77 (reactivated 08-032)
- 70325 Preoperational Test Results Evaluation - Reactor Protection System 01/01/79 (reactivated 08-032)
- 70326 Preoperational Test Results Evaluation - Loss of Offsite Power 01/01/79 (reactivated 08-032)
- 70329 Preoperational Test Result Evaluation Verification 10/01/83 (reactivated 08-032)
- 70331 Vibration Test- Preoperational Test Procedure Review 01/01/79 (reactivated 09-003)
- 70332 Control Rod System Test - Preoperational Test Procedure Review 01/01/79 (reactivated 09-003)
- 70333 Chemical Control System Test - Preoperation Test Procedure Review 01/01/79 (reactivated 09-003)
- 70334 Engineered Safety Features Act. Sys. Test - Preoperational Test Procedure Review 01/01/79 (reactivated 09-003)
- 70335 Safety and Relief Valve Test - Preoperational Test Procedure Review 01/01/79 (reactivated 09-003)
- 70336 Residual / Decay Heat Removal System Test - Preoperational Test Review 01/01/79 (reactivated 09-003)
- 70337 Main Stream Isolation Valve Test - Preoperational Test Procedure Review) 01/01/79 (reactivated 09-003)
- 70338 Auxilliary Feedwater System Test -Preoperational Test Procedure Review 01/01/79 (reactivated 09-003)
- 70339 Component Cooling Water System Test - Preoperational; Test Procedure Review 01/01/79 (reactivated 09-003)
- 70340 D.C. Power System Test - Preoperational Test Procedure Review 01/01/79 (reactivated 09-003)
- 70341 Emergency/Standby Power Supply System Test - Preoperational Teat Procedure Review 01/01/79 (reactivated 09-003)
- 70342 Containment Combustable Gas Control System Test - Preoperational Test Procedure Review 01/01/79 (reactivated 09-003)
- 70344 Containment Isolation Vales Test - Preoperational Test Procedure Review 01/01/79 (reactivated 09-003)
- 70345 Containment Heat/Cool/Vent. System Test - Preoperational Test Procedure Review 01/01/79 (reactivated 09-003)
- 70346 Aux. Bldg. Heat /Cool/Vent. System Test - Preoperational Test Procedure Review 01/01/79 (reactivated 09-003)
- 70347 Pressurizer and Level Control System Test- Preoperational Test Procedure Review 01/01/79 (reactivated 09-003)
- 70348 Main Feedwater Control System Test - Preoperational Test Procedure Review 01/01/79 (reactivated 09-003)
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70350	Loose Parts Monitoring System Test - Preoperational Test Procedure Review 01/01/79 (reactivated 09-003)
70351	Integrated Reactor Control System Test - Preoperational Test Procedure Review 01/01/79 (reactivated 09-003)
70352	Remote Reactor Shutdown Test - Preoperational Test Procedure Review 01/01/79 (reactivated 09-003)
70353	Cranes, Hoists and Lifting Equipment Test - Preoperational Test Procedure Review 01/01/79 (reactivated 09-003)
70354	Nuclear Instrumentation System Test - Preoperational Test Procedure Review 01/01/79 (reactivated 09-003)
70355	Compressed Gas System Test - Preoperational Test Procedure Review 01/01/79 (reactivated 09-003)
70362	Reactor Coolant System Hydrostatic Test Procedure Review 10/01/83 (reactivated 08-032)
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70368	Part 52 Containment Leak Rate Testing (Programmatic) 11/07/11 (CN 11-029)
70369	Reserved for Part 52 Containment Leak Rate Testing
70370	Testing Piping Support and Restraint Systems 03/07/86 (86-13)
70371	Reserved for Part 52 Testing of Pipe Support and Restraint System
70400	Preoperational Test Results Evaluation 10/01/83 (reactivated 08-032)
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70432	Control Rod System Test - Preoperational Test Witnessing 01/01/79 (reactivated 09-003)
70433	Chemical Control System Test - Preoperational Test Witnessing 01/01/79 (reactivated 09-003)
70434	Engineered Safety Features Act. Sys. Test - Preoperational Test Witnessing 01/01/79 (reactivated 09-003)
70435	Safety and Relief Valves Test - Preoperational Test Witnessing 01/01/79 (reactivated 09-003)
70436	Residual / Decay Heat Removal System Test - Preoperational Test Witnessing 01/01/79 (reactivated 09-003)
70437	Main Stream Isolation Valve Test - Preoperational Test Witnessing 01/01/79 (reactivated 09-003)
70438	Auxilliary Feedwater System Test - Preoperational Test Witnessing 01/01/79 (reactivated 09-003)
70439	Component Cooling Water System Test - Preoperational Test Witnessing 01/01/79 (reactivated 09-003)
70440	D.C. Power System Test - Preoperational Test Witnessing 01/01/79 (reactivated 09-003)
70441	Emergency / Standby Power Supply System Test - Preoperational Test Witnessing 01/01/79 (reactivated 09-003)
70442	Containment Combustible Gas Control System Test - Preoperational Test Witnessing 01/01/79 (reactivated 09-003)
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70444	Containment Isolation Valve Test - Preoperational Test Witnessing 01/01/79 (reactivated 09-003)
70445	Containment Heat/Cool/Vent. System Test - Preoperational Test Witnessing 01/01/79 (reactivated 09-003)
70446	Auxiliary Bldg. Heat/Cool/Vent. System Test - Preoperational Test Witnessing
70447	Pressurizer and Level Control System Test - Preoperational Test Witnessing 01/01/79 (reactivated 09-003)
70448	Main Feedwater Control System Test - Preoperational Test Witnessing 01/01/79 (reactivated 09-003)
70449	Reactor Coolant Leak Detection System Test - Preoperational Test Witnessing 01/01/79 (reactivated 09-003)
70450	Loose Parts Monitoring System Test - Preoperational Test Witnessing 01/01/79 (reactivated 09-003)
70451	Integrated Reactor Control System Test - Preoperational Test Witnessing 01/01/79 (reactivated 09-003)
70452	Remote Reactor Shutdown Test - Preoperational Test Witnessing 01/01/79 (reactivated 09-003)
70453	Cranes, Hoists and Lifting Equipment Test - Preoperational Test Witnessing 01/01/79 (reactivated 09-003)
70454	Nuclear Instrumentation System Test - Preoperational Test Witnessing 01/01/79 (reactivated 09-003)
70455	Compressed Gas System Test - Preoperational Test Witnessing 01/01/79 (reactivated 09-003)
70462	Reactor Coolant System Hydrostatic Test - Test Witnessing 10/01/83 (reactivated 08-032)
70562	Reactor Coolant System Hydrostatic Test Results Evaluation 10/01/83 (reactivated 08-032)
70701	Reserved
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7100 Operations (License & TS Requirements)

71002	License Renewal Inspection 11/23/11 (11-038)
71003	Post-Approval Site Inspection for License Renewal 10/31/08 (08-031)
71004	Power Uprate 04/30/10 (CN 10-013)
71007	Reactor Vessel Head Replacement Inspection 06/04/07 (07-018)
71013	Reserved for Review of License Renewal Commitments for Plants in Timely Renewal with Extended Delay in the NRC Review of Application
71111	Reactor Safety-Initiating Events, Mitigating Systems, Barrier Integrity 10/28/11 (11-025)
71111.01	Adverse Weather Protection (Effective 01/01/10) 11/09/09 (09-026)
71111.04	Equipment Alignment 02/27/07 (07-007)
71111.04	Equipment Alignment 10/28/11 (Effective 01/01/12) (11-025)
71111.05AQ	Fire Protection (Annual / Quarterly) 09/30/10 (10-020)

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71111.05N	Reserved for Fire Protection - NFPA 805 (Triennial)
71111.05T	Fire Protection (Triennial) 04/19/11 (11-006)
71111.05T	Fire Protection (Triennial) 10/28/11 (Effective 01/01/12) (11-025)
71111.05XT	Fire Protection - NFPA 805 (Triennial) 04/19/11 (11-006)
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71111.06	Flood Protection Measures 10/28/11 (Effective 01/01/12 ) (11-025)
71111.07	Heat Sink Performance 07/06/10 (10-015)
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71111.11	Licensed Operator Requalification Program 1/05/06 (06-001)
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71111.13	Maintenance Risk Assessments and Emergent Work Control 11/16/09 (09-027)
71111.13	Maintenance Risk Assessments and Emergent Work Control 10/28/11 (Effective 01/01/12) (11-025)
71111.15	Operability Determinations and Functionality Assessments 04/05/11 (11-005)
71111.15	Operability Determinations and Functionality Assessments 10/28/11 (Effective 01/01/12) (11-025)
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71111.21	Component Design Bases Inspection 12/06/10 (10-025)
71111.22	Surveillance Testing 11/08/11 (11-031)
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71114.01	Exercise Evaluation 06/29/06 (06-016)
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71114.06	Drill Evaluation 10/25/06 (06-029)
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71121.03	Radiation Monitoring Instrumentation 03/06/02 (02-008)
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71122.03	Radiological Environmental Monitoring Program (REMP) 01/24/03 (03-001)
71124	Reserved for Radiation Safety - Public and Occupational 12/02/09 (09-030)
71124.01	Radiological Hazard Assessment and Exposure Controls 12/02/09 (09-030)
71124.02	Occupational ALARA Planning and Controls 12/02/09 (09-030)
71124.03	In-Plant Airborne Radioactivity Control and Mitigation 12/02/09 (09-030)
71124.04	Occupational Dose Assessment 12/02/09 (09-030)
71124.05	Radiation Monitoring Instrumentation 12/02/09 (09-030)
71124.06	Radioactive Gaseous and Liquid Effluent Treatment 12/02/09 (09-030)
71124.07	Public Radiation Safety 12/02/09 (09-030)
71124.08	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation 12/02/09 (09-030)
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71130.01	Access Authorization 02/24/10 (10-007)
71130.02	Access Control 02/24/10 (10-007)
71130.03	Contingency Response - Force-On-Force Testing 02/05/09 09-005
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71130.05	Protective Strategy Evaluation 02/24/10 (10-007)
71130.06	Protection of Safeguards Information 01/07/10 (10-001)
71130.07	Security Training 02/24/10 (10-007)
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71130.10	Reserved for Information Technology Security
71130.11	Material Control & Accounting (MC&A) 12/10/08 (08-035)
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71153	Follow-up of Events and Notices of Enforcement Discretion 12/05/2011 (Effective 01/01/12) (11-039)
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71303	Part 52, Technical Specifications Review 10/20/08 (08-029)
71714	Cold Weather Preparations 09/17/01 (01-017)
71715	Sustained Control Room and Plant Observation 04/14/92 (92-004)
71801	Decommissioning Performance and Status Review at Permanently Shutdown Reactors 08/11/97 (97-012)
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72300	Startup Test Procedure Review 01/20/84 (84-04)
72301	Startup Test Results Evaluation 01/20/84 (84-04)
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72303	Startup Testing for ABWR: Test Procedure Review, Test Witnessing, and Test Results Evaluation 09/05/06 (06-021)
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72400B	Overall Startup Test Program 07/01/80 (80-16)
72401	Reserved for Part 52 Overall Setup Test Program
72500B	Initial Fuel Loading Procedure 04/30/75 (75-16)
72501	Reserved for Part 52 Initial Fuel Load Procedure Review
72502B	Initial Criticality Procedure Review (BWR) 04/30/75 (75-16)
72504B	Heat-up Phase Procedure Review 04/30/75 (75-16)
72508B	Power Ascension Procedure Review: HPCI System 07/01/80 (80-16)
72509B	Power Ascension Procedure Review: Control Rod Drive System 07/01/80 (80-16)
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72512B	Startup Test Procedure Review - RCIC or Recirculation Pump Trip 04/30/75 (75-16)
72514B	Startup Test Procedure Review - Turbine Trip/Generator Trip 07/01/80 (80-16)
72516B	Startup Test Procedure Review - Shutdown From Outside the Control Room (Group A) 07/01/80 (80-16)
72517B	Startup Test Procedure Review: Loss of Offsite Power (Group A & B) 07/01/80 (80-16)
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72524	Initial Fuel Loading Witnessing 01/20/84 (84-04)
72525	Reserved for Part 52 Initial Fuel Load Witnessing
72526	BWR Initial Criticality Witnessing 01/20/84 (84-04)
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72566B	Pre-critical Test Procedure Review - RES Lead Test or or Pressurizer Effectiveness 07/01/80 (80-16)
72570B	Initial Criticality Procedure Review (PWR) 07/01/80 (80-16)
72572B	Low Power Test Procedures Review Moderator Temperature Coefficient and Boron Worth or Control Rod Worth and Pseudo Rod Ejection Worth 07/01/80 (80-16)
72576B	Power Ascension Test Procedure Review - Natural Circulation or Power Reactivity Coefficient Measurement 07/01/80 (80-16)
72578B	Power Ascension Test Procedure Review - Evaluation of Core Performance 07/01/80 (80-16)
72580B	Power Ascension Test Procedure Review - Turbine Trip or Generator Trip 07/01/80 (80-16)
72582B	Power Ascension Test Procedure Review - Loss of Offsite Power (Group A) 07/01/80 (80-16)
72583B	Power Ascension Test Procedure Review: Shutdown from Outside the Control Room (Group B) 07/01/80 (80-16)
72584B	Power Ascension Test Procedure Review - Evaluation of Flux Asymmetry or Pseudo Rod Ejection Test 04/30/75 (75-16)
72592	PWR Initial Criticality Witnessing 01/20/84 (84-04)
72596B	Pre-critical Data Review 07/01/80 (80-16)
72600B	Power Level Plateau Data Review (25% PWR) 07/01/80 (80-16)
72608B	Power Level Plateau Data Review (50% PWR) 07/01/80 (80-16)
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7300 In-service Inspection

73052	In-service Inspection - Review of Procedures 01/14/86 (86-03)
73053	Pre-service Inspection – Observation of Work and Work Activities 01/01/79 (reactivated 07-034)
73054	Part 52, Pre-service and In-service Inspection - Review of Program 07/01/08 (08-019)
73055	Pre-service Inspection Data Review and Evaluation 01/01/79 (reactivated 07-034)
73753	In-service Inspection 06/24/98 (98-010)
73754	Part 52 - Preservice Inspection - Non-Destructive Examination 10/27/10 (10-022)
73755	In-service Inspection - Data Review and Evaluation 10/27/10 (10-022) 01/14/86 (86-03)
73756	In-service Testing of Pumps and Valves 07/27/95 (95-009)

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73757 Part 52 In-service Inspection - Data Review and Evaluation  
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7400 Reserved

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7700 Reserved

7800 High Level Waste

78010 10 CFR Part 21 Program 09/11/08 (08-026)

7900 Water Chemistry

79501 LWR Water Chemistry Control and Chemical Analysis – Audits  
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79502 Plant Systems Affecting Plant Water Chemistry 12/31/91  
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79503 Reserved for Part 52 LWR Water Chem. Control & Chem. Analysis  
(Pre-Op and Supp)

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

80210 Environmental Protection - Initial and Periodic Inspections  
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80211 Reserved for Part 52 Environmental Protection - Initial & Periodic  
Inspection

80521 Radiological Environmental Monitoring (Preoperational and  
Supplemental) 01/01/84 (reactivated 08-032)

80522 Part 52, Radiological Environmental Monitoring Program (REMP)  
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80600 Reserved for Independent Assessment of Site Radiological  
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8100 Physical Security

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81000.01	Reserved for Access Authorization
81000.02	Reserved for Access Control
81000.03	Reserved for Performance Evaluation Program
81000.04	Reserved for Equipment Performance, Testing and Maintenance
81000.05	Reserved for Protective Strategy Evaluation
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81000.08	Reserved for Fitness For Duty Operational Program
81000.10	Reserved for Security Organization, Management Effectiveness, Program Reviews and Audits
81000.11	Reserved for Material Control and Accountability
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81019	Reserved for Part 52 Security Plan & Implementing Procedures
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81021	Reserved for Part 52 Management Effectiveness
81023	Reserved for Part 52 Security Organization
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81038	Records and Reports 09/10/07 (07-027)
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81042	Testing and Maintenance 04/12/07 (07-013)
81043	Reserved for Part 52 Testing & Maintenance
81046	Locks, Keys, and Combinations 09/10/07 (07-027)
81047	Reserved for Part 52 Locks, Keys & Combinations
81052	Physical Barriers - Protected Areas 09/10/07 (07-027)
81053	Reserved for Part 52 Physical Barriers - Protected Areas
81054	Physical Barriers - Vital Areas, Material Access Areas, and Controlled Access Areas 09/10/07 (07-027)
81055	Reserved for Part 52 Physical Barriers - Vital Areas, Material Access Areas & Controlled Access Areas
81058	Security System Power Supply 09/10/07 (07-027)
81059	Reserved for Part 52 Security System Power Supply
81062	Lighting 09/10/07 (07-027)
81063	Reserved for Part 52 Lighting
81064	Compensatory Measures 09/10/07 (07-027)
81065	Reserved for Part 52 Compensatory Measures
81066	Assessment Aids 09/10/07 (07-027)
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ASME Section III American Society of Mechanical Engineers ASME Boiler and & XI  
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<sup>2</sup>[XXXX.XX] attached to each document in Part 9900, is the file name for that document.



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