

NRC INSPECTION MANUAL

DIRS

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- 65001.B Inspection of the ITAAC-Related Welding Program 08/19/08 (08-024)
- 65001.C Inspection of the ITAAC-Related Construction Test Program 10/03/07 (07-030)
- 65001.D Inspection of the ITAAC-Related Operational Testing Program 08/05/09 (09-019)
- 65001.E Inspection of the ITAAC-Related Qualification Program 08/19/08 (08-024)
- 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 (07-030)
- 65001.02 Inspection of ITAAC-Related Installation of Structural Concrete 10/03/07 (07-030)
- 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 04/18/08 (08-012)
- 65001.05 Inspection of ITAAC-Related Installation of Reactor Pressure Vessel and Internals 08/19/08 (08-024)
- 65001.06 Inspection of ITAAC-Related Installation of Mechanical Components 04/18/08 (08-012)
- 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)

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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)
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65001.16	Inspection of ITAAC-Related Engineering 10/03/07 (07-030)
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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 –
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6600	<u>Reserved</u>
6700	<u>Reserved</u>
6800	<u>Reserved</u>
6900	<u>Non-Power Reactor Inspection</u>
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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 02/03/04 (04-004)
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69011	Class I Research and Test Reactor Emergency Preparedness 02/03/04 (04-004)
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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)
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70325	Preoperational Test Results Evaluation - Reactor Protection System 01/01/79 (reactivated 08-032)
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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)
70349	Reactor Coolant Leak Detection System Test - Preoperational Test Procedure Review 01/01/79 (reactivated 09-003)
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)

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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)
70367	Reserved for Part 52 Pre-operational Test Program Implementation
70368	Reserved for Part 52 Containment Leak Rate Testing (Programmatic)
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)
70431	Vibration Test - Preoperational Test Witnessing 01/01/79 (reactivated 09-003)
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)
70443	Containment Spray System Test - Preoperational Test Witnessing 01/01/79 (reactivated 09-003)
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

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70447	Pressurizer and Level Control System Test - Preoperational Test Witnessing 01/01/79 (reactivated 09-003)
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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
70702	Reserved

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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 05/16/08 (08-015)
71111.01	Adverse Weather Protection (Effective 01/01/10) 11/09/09 (09-026)
71111.04	Equipment Alignment 02/27/07 (07-007)
71111.05AQ	Fire Protection (Annual / Quarterly) 09/30/10 (10-020)
71111.05N	Reserved for Fire Protection - NFPA 805 (Triennial)
71111.05T	Fire Protection (Triennial) 09/30/10 (10-020)
71111.05T	Fire Protection (Triennial) (effective 08/01/11) 04/19/11 (11-006)
71111.05XT	Fire Protection - NFPA 805 (Triennial) (effective 08/01/11) 04/19/11 (11-006)
71111.06	Flood Protection Measures 06/25/09 (09-016)
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71111.15	Operability Determinations and Functionality Assessments 04/05/11 (11-005)
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71013	Reserved for Review of License Renewal Commitments for Plants in Timely Renewal
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71114.01	Exercise Evaluation 06/29/06 (06-016)
71114.02	Alert and Notification System Evaluation 12/07/09 (09-031)
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71114.05	Correction of emergency Preparedness Weaknesses and Deficiencies 10/25/06 (06-029)
71114.06	Drill Evaluation 10/25/06 (06-029)
71114.07	Emergency Preparedness Component, of the Force-On-Force (FOF) Exercise Evaluation 12/02/09 (09-029)
71121	Occupational Radiation Safety 03/06/02 (02-008)
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71122.01	Radioactive Gaseous and Liquid Effluent Treatment and Monitoring Systems 12/18/08 08-036
71122.02	Radioactive Material Processing and Transportation 01/24/03 (03-001)
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)

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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)
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71130.04	Equipment Performance, Testing and Maintenance 02/24/10 (10-007)
71130.05	Protective Strategy Evaluation 02/24/10 (10-007)
71130.06	Protection of Safeguards Information 01/07/10 (10-001)
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71130.13	Reserved for Security Inspections Conducted by Resident Inspectors
71130.14	Review of Power Reactor Target Sets 08/16/11 (11-012)
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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)
71841	Human Performance 12/12/00 (00-027)

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72301	Startup Test Results Evaluation 01/20/84 (84-04)
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72512B	Startup Test Procedure Review - RCIC or Recirculation Pump Trip 04/30/75 (75-16)
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72517B	Startup Test Procedure Review: Loss of Offsite Power (Group A & B) 07/01/80 (80-16)
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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)
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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)
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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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7400 Reserved

7500 Reserved

7600 Reserved

7700 Reserved

7800 High Level Waste

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7900 Water Chemistry

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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.
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80210	Environmental Protection - Initial and Periodic Inspections 06/22/05 (05-016)
80211	Reserved for Part 52 Environmental Protection - Initial & Periodic Inspection
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80522	Part 52, Radiological Environmental Monitoring Program (REMP) 07/01/08 (08-019)
80600	Reserved for Independent Assessment of Site Radiological Conditions
80721	Radiological Environmental Monitoring 09/17/01(01-017)

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
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81000.07	Reserved for Security Training Program
81000.08	Reserved for Fitness For Duty Operational Program
81000.10	Reserved for Security Organization, Management Effectiveness, Program Reviews and Audits
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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
81022	Security Organization 06/13/07 (07-019)

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81035	Reserved for Part 52 Security Audit Program
81038	Records and Reports 09/10/07 (07-027)
81039	Reserved for Part 52 Records & Reports
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
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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
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81059	Reserved for Part 52 Security System Power Supply
81062	Lighting 09/10/07 (07-027)
81063	Reserved for Part 52 Lighting
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81065	Reserved for Part 52 Compensatory Measures
81066	Assessment Aids 09/10/07 (07-027)
81067	Reserved for Part 52 Assessment Aides
81070	Access Control - Personnel 12/22/08 (08-037)
81071	Reserved for Part 52 Access Control - Personnel
81072	Access Control (Power Reactor) - Packages 05/09/84 (84-15)
81073	Access Control (Fuel Facility) - Packages, Material, and Strategic Special Nuclear Material (SSNM) 08/05/09 (09-019)
81074	Access Control - Vehicles 12/22/08 (08-037)
81075	Reserved for Part 52 Access Control - (Power Reactors) – Packages
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ASME Section III	American Society of Mechanical Engineers ASME Boiler and & XI Pressure Vessel Code, Section III & XI 11/12/96 (96-022)
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STS Sec 3.7.5	Ultimate Heat Sink 11/25/88 (88-17)
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50.55a	Codes and Standards 02/22/73 (73-9)
50.59	10 CFR 50.59, Changes, Tests, and Experiments 03/13/01 (01-008) [50_59.CFR]
Part 50, App A	Definition of Leak-Before-Break Analysis 09/26/96 (96-020)
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