

# NRC INSPECTION MANUAL

NMSS

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- 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)

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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	Reserved for Inspection of Pipe Rupture Hazard Analysis Design Acceptance Criteria (DAC) – Related ITAAC
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 02/03/04 (04-004)
69005	Class I Research and Test Reactor Experiments 02/03/04 (04-004)
69006	Class I Research and Test Reactors Organization and Operations and Maintenance Activities 02/03/04 (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)
- 69010 Class I Research and Test Reactor Surveillance 02/03/04 (04-004)
- 69011 Class I Research and Test Reactor Emergency Preparedness 02/03/04 (04-004)
- 69012 Class I Research and Test Reactors Radiation Protection 02/03/04 (04-004)
- 69013 Research and Test Reactor Decommissioning 02/03/04 (04-004)

7000 Preoperational Testing

- 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)
- 70324 Preoperational Test Results Evaluation - Integrated Hot Functional Test 04/01/77 (reactivated 08-032)

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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)
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)

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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)
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)
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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
70702	Reserved

7100 Operations (License & TS Requirements)

71002	License Renewal Inspection 02/18/05 (05-006)
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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- 71111.05T Fire Protection (Triennial) 10/28/11 (Effective 01/01/12) (11/025)
- 71111.05XT Fire Protection - NFPA 805 (Triennial) 04/19/11 (11-006)
- 71111.05XT Fire Protection - NFPA 805 (Triennial) 10/28/11 (Effective 01/01/12) (11/025)
- 71111.06 Flood Protection Measures 06/25/09 (09-016)
- 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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- 71111.12 Maintenance Effectiveness 04/29/11 (11-008)
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- 71111.17 Evaluations of Changes, Tests, or Experiments and Permanent Plant Modifications 10/31/08 (08-031)
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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)
- 71114.03 Emergency Response Organization Augmentation Testing 08/24/07 (07-026)
- 71114.04 Emergency Action Level and Emergency Plan Changes 10/31/08 (08-031)
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- 71114.06 Drill Evaluation 10/25/06 (06-029)
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- 71121.01 Access Control to Radiologically Significant Areas 03/06/02 (02-008)
- 71121.02 ALARA Planning and Controls 03/06/08 (02-008)
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71124	Reserved for Radiation Safety - Public and Occupational 12/02/09 (09-030)
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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)
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71130.02	Access Control 02/24/10 (10-007)
71130.03	Contingency Response - Force-On-Force Testing 02/05/09 09-005
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)
71130.07	Security Training 02/24/10 (10-007)
71130.08	Fitness for Duty Program 01/07/10 (10-001)
71130.10	Reserved for Information Technology Security
71130.11	Material Control & Accounting (MC&A) 12/10/08 (08-035)
71130.12	Reserved for Physical Protection of Shipments of Irradiated Fuel
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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71151	Performance Indicator Verification 06/28/07 (07-021)
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71303	Part 52, Technical Specifications Review 10/20/08 (08-029)
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- 72301 Startup Test Results Evaluation 01/20/84 (84-04)
- 72302 Startup Test Witnessing and Observation 01/20/84(84-04)
- 72303 Startup Testing for ABWR: Test Procedure Review, Test Witnessing, and Test Results Evaluation 09/05/06 (06-021)
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- 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
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- 72564B Pre-critical Test Procedure Review - Protective Trip Circuit or Rod Drop Measurement 07/01/80 (80-16)
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- 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)

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- 72576B Power Ascension Test Procedure Review - Natural Circulation or Power Reactivity Coefficient Measurement 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)
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7400 Reserved

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7600 Reserved

7700 Reserved

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7800 High Level Waste

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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  
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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

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

81000 Reserved for Security Construction Inspection Program

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

81000.07 Reserved for Security Training Program

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81000.10 Reserved for Security Organization, Management Effectiveness,  
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81021	Reserved for Part 52 Management Effectiveness
81023	Reserved for Part 52 Security Organization
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81034	Security Program Audit 09/10/07 (07-027)
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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)
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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
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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
81076	Reserved for Part 52 Access Control - Vehicles
81078	Detection Aids - Protected Areas 11/23/09 (09-028)
81079	Reserved for Part 52 Detection Aids - Protected Areas
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81081	Reserved for Part 52 Detection Aids - VA, MAA, & CAA
81084	Alarm Stations 09/10/07 (07-027)
81085	Reserved for Part 52 Alarm Stations
81088	Communications 09/10/07 (07-027)
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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)
- ASME Section XI American Society of Mechanical Engineers ASME Boiler and Pressure Vessel Code, Section XI 12/08/86 (86-54)
- ASME Section XI American Society of Mechanical Engineers ASME, Section XI 05/12/86 (86-26)
- Oper Det Process Operability Determinations & Functionality Assessments For Resolution of Degraded or Nonconforming Conditions Adverse to Quality or Safety 09/26/05 (05-026)
- STS Sec 1.0 Operability 05/12/86 (86-26)
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