

# NRC INSPECTION MANUAL

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- 65001.01 Inspection of ITAAC-Related Foundations & Buildings 10/03/07 (07-030)
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- 65001.03 Inspection of ITAAC-Related Installation of Piping 08/19/08 (08-024)
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- 65001.06 Inspection of ITAAC-Related Installation of Mechanical Components 04/18/08 (08-012)
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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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65001.12	Inspection of ITAAC-Related Installation of Heating, Ventilating, and Air Conditioning Systems 07/29/08 (08-021)
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6800	<u>Reserved</u>
6900	<u>Non-Power Reactor Inspection</u>
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- 69012 Class I Research and Test Reactors Radiation Protection  
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- 70300 Preoperational Test Procedure Test Review 10/01/83 (reactivated  
08-032)
- 70301 Overall Preoperational Test Program Review Requirements  
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- 70302 Preoperational Test Program Implementation 10/01/83 (reactivated  
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- 70304 Engineered Safety Features Test - Preoperational Test Procedure  
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- 70305 Reactor Protection System Test Preoperational Test Procedure  
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- 70306 Loss of Offsite Power Test - Preoperational Test  
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- 70307 Containment Integrated Leak Rate Test - Procedure  
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- 70308 Preoperational Hot Functional Testing - PWR Procedure Review)  
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- 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)
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- 70315 Engineered Safety Features Test Preoperational Test Witnessing)  
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- 70316 Loss of Offsite Power Test Preoperational Test Witnessing  
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- 70317 Reactor Protection System Test Preoperational Test Witnessing  
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- 70323 Containment Leak Rate Test Results Evaluation  
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- 70324 Preoperational Test Results Evaluation - Integrated Hot Functional  
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- 70325 Preoperational Test Results Evaluation - Reactor Protection  
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- 70326 Preoperational Test Results Evaluation - Loss of Offsite Power  
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- 70329 Preoperational Test Result Evaluation Verification 10/01/83  
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- 70331 Vibration Test- Preoperational Test Procedure Review  
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- 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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- 70353 Cranes, Hoists and Lifting Equipment Test - Preoperational Test Procedure Review 01/01/79 (reactivated 09-003)
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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
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)
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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 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 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) 12/24/09 (09-032)
71111.05T	Fire Protection (Triennial) (effective 01/01/11) 09/30/10 (10-020)
71111.05TTP	Fire Protection-NFPA 805 Transition Period [Triennial] 12/24/09 (09-032)
71111.06	Flood Protection Measures 06/25/09 (09-016)
71111.07	Heat Sink Performance 07/06/10 (10-015)
71111.08	In-service Inspection Activities (Effective 01/01/10) 11/09/09 (09-026)
71111.11	Licensed Operator Requalification Program 1/05/06 (06-001)
71111.12	Maintenance Effectiveness (Effective 01/01/10) 11/16/09 (09-027)
71111.13	Maintenance Risk Assessments and Emergent Work Control 11/16/09 (Effective 01/01/10) (09-027)
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71111.17	Evaluations of Changes, Tests, or Experiments and Permanent Plant Modifications 10/31/08 (08-031)
71111.18	Plant Modifications 10/31/08 (08-031)
71111.19	Post Maintenance Testing 01/17/02 (02-001)
71111.20	Refueling and Other Outage Activities (Effective 01/01/10) 11/09/09 (09-026)
<b>71111.21</b>	<b>Component Design Bases Inspection 12/06/10 (10-025)</b>
71111.22	Surveillance Testing 12/24/09 (09-032)
71013	Reserved for Review of License Renewal Commitments for Plants in Timely Renewal
71114	Reactor Safety-Emergency Preparedness 06/29/06 (06-016)
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)
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)
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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)
71121.03	Radiation Monitoring Instrumentation 03/06/02 (02-008)
71122	Public Radiation Safety 01/24/03 (03-001)
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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71124.04	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)
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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)
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71130.08	Fitness for Duty Program 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 01/27/10 (10-003)
71150	Discrepant or Unreported Performance Indicator Data 01/04/07 (07-001)
71151	Performance Indicator Verification 06/28/07 (07-021)
71152	Identification and Resolution of Problems 02/26/10 (10-008)
71153	Follow-up of Events and Notices of Enforcement Discretion 02/02/10 (10-004)
71302	Preoperational Test Program Implementation Verification 10/01/83 (reactivated 08-032)
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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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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72401	Reserved for Part 52 Overall Setup Test Program
72500B	Initial Fuel Loading Procedure 04/30/75 (75-16)
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72502B	Initial Criticality Procedure Review (BWR) 04/30/75 (75-16)
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72509B	Power Ascension Procedure Review: Control Rod Drive System 07/01/80 (80-16)
72510B	Power Ascension Procedure Review - Relief Valves and MSIVs 04/30/75 (75-16)
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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72525	Reserved for Part 52 Initial Fuel Load Witnessing
72526	BWR Initial Criticality Witnessing 01/20/84 (84-04)
72532	Power Level Plateau Data Review (BWR) 01/20/84 (84-04)
72564B	Pre-critical Test Procedure Review - Protective Trip Circuit or Rod Drop Measurement 07/01/80 (80-16)
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)
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72596B	Pre-critical Data Review 07/01/80 (80-16)
72600B	Power Level Plateau Data Review (25% PWR) 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)
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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73756	In-service Testing of Pumps and Valves 07/27/95 (95-009)
73757	Part 52 In-service Inspection - Data Review and Evaluation 04/18/08 (08-012)
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7800	<u>High Level Waste</u>
78010	10 CFR Part 21 Program 09/11/08 (08-026)
7900	<u>Water Chemistry</u>
79501	LWR Water Chemistry Control and Chemical Analysis – Audits 02/24/89 (reactivated 08-032)
79502	Plant Systems Affecting Plant Water Chemistry 12/31/91 (reactivated 08-032)
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	<u>Environmental Protection</u>
80210	Environmental Protection - Initial and Periodic Inspections 06/22/05 (05-016)
80211	Reserved for Part 52 Environmental Protection - Initial & Periodic Inspection
80521	Radiological Environmental Monitoring (Preoperational and Supplemental) 01/01/84 (reactivated 08-032)

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- 80522 Part 52, Radiological Environmental Monitoring Program (REMP) 07/01/08 (08-019)
- 80721 Radiological Environmental Monitoring 09/17/01(01-017)

8100 Physical Security

- 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
- 81000.10 Reserved for Security Organization, Management Effectiveness, Program Reviews and Audits
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- 81001.1 Independent Spent Fuel Storage Installation(s) at Operating Plants 02/02/04 (04-003)
- 81018 Physical Security Plan and Implementing Procedures 05/24/07 (07-17)
- 81019 Reserved for Part 52 Security Plan & Implementing Procedures
- 81020 Management Effectiveness - Security Program 06/13/07 (07-019)
- 81021 Reserved for Part 52 Management Effectiveness
- 81023 Reserved for Part 52 Security Organization
- 81022 Security Organization 06/13/07 (07-019)
- 81034 Security Program Audit 09/10/07 (07-027)
- 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
- 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)
- 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)

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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
81080	Detection Aids – MAA and CAA 12/22/08 (08-037)
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)
81089	Reserved for Part 52 Communications
81120	Inspection Requirements and Guidance for Additional Security Measures for the Physical Protection in Transit for Radioactive Material Quantities of Concern 04/01/10 (10-010) (Note this IP contains safeguards material)
81310	Physical Protection of Shipments of Irradiated Fuel 12/22/08 (08-037)
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