

# NRC INSPECTION MANUAL

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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  
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- 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 –
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65051	Low-Level Radioactive Waste Storage Facilities 06/13/86 (reactivated 07-034)
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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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- 69006 Class I Research and Test Reactors Organization and Operations and Maintenance Activities 02/03/04 (04-004)
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- 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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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)

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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)
70367	Reserved for Part 52 Pre-operational Test Program Implementation
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)
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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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 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) 04/19/11 (11-006)
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- 71111.11 Licensed Operator Requalification Program 1/05/06 (06-001)
- 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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- 71111.20 Refueling and Other Outage Activities (Effective 01/01/10) 11/09/09 (09-026)
- 71111.21 Component Design Bases Inspection 12/06/10 (10-025)
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- 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)
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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)
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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)
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)
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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
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71130.05	Protective Strategy Evaluation 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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71130.13	Reserved for Security Inspections Conducted by Resident Inspectors
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71150	Discrepant or Unreported Performance Indicator Data 01/04/07 (07-001)
71151	Performance Indicator Verification 06/28/07 (07-021)
71152	Problem Identification and Resolution 08/18/11 (11-013)
71153	Follow-up of Events and Notices of Enforcement Discretion 02/02/10 (10-004)
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71303	Part 52, Technical Specifications Review 10/20/08 (08-029)
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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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- 72401 Reserved for Part 52 Overall Setup Test Program
- 72500B Initial Fuel Loading Procedure 04/30/75 (75-16)
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- 72504B Heat-up Phase Procedure Review 04/30/75 (75-16)
- 72508B Power Ascension Procedure Review: HPCI 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)
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- 72566B Pre-critical Test Procedure Review - RES Lead Test or or Pressurizer Effectiveness 07/01/80 (80-16)
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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)
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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)
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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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7500 Reserved

7600 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  
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79504 Reserved for Part 52 Plant systems Affecting Plant Water Chem.

79702 Control and monitoring of Radiological Source Term  
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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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80522 Part 52, Radiological Environmental Monitoring Program (REMP)  
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80600 Reserved for Independent Assessment of Site Radiological  
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80721 Radiological Environmental Monitoring 09/17/01(01-017)

8100 Physical Security

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81000.03 Reserved for Performance Evaluation Program

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81000.05 Reserved for Protective Strategy Evaluation

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81052	Physical Barriers - Protected Areas 09/10/07 (07-027)
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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)
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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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