

# NRC INSPECTION MANUAL

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## TABLE OF CONTENTS

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Table of Contents      Current through Change Notice 19-030 issued 09/24/2019

### **PART**

### **CHAPTER**

0000    NRC Inspection Manual<sup>1</sup>

0040            Preparing, Revising, and Issuing Documents for the NRC  
Inspection Manual 01/05/18 (18-001)

0100    Program Responsibilities

0102            Oversight and Objectivity of Inspectors and Examiners  
at Reactor Facilities 04/24/13 (13-012)

0111            Monitoring Activities for the DOE West Valley  
Demonstration Project 03/04/02 (02-006)

0200    Program Management Reports

0300    Inspection Policy

0301            Coordination of NRC Visits to Commercial Reactor Sites  
08/24/01 (01-016)

0302            RESERVED Coordination of Regional Requests for NRR Staff to  
Conduct Inspection Activities

0303            Health Physics Positions (HPPOS) 07/10/19 (19-023)

0305            Operating Reactor Assessment Program 06/21/18 (18-016)

0306            Planning, Tracking, and Reporting of the Reactor Oversight Process  
12/23/15 (18-012)

0307            Reactor Oversight Process Self-Assessment Program  
11/23/15 (15-025)

0307, App A    Reactor Oversight Process Self-Assessment Metrics 08/25/17 (17-016)

0307, App B    ROP Realignment Process 08/25/17 (17-016)

0307, App C    Reactor Oversight Process Self-Assessment Regional Peer Reviews  
07/15/16 (16-016)

0307, App D    Power Reactor Resident Inspector Retention and Recruitment Program  
Monitoring and Assessment 05/21/19 (19-016)

0308            Reactor Oversight Process (ROP) Basis Document 10/04/17 (17-021)

0308, Att 1    Technical Basis for Performance Indicators 11/08/07 (07-035)

0308, Att 2    Technical Basis for Inspection Program 05/29/19 (19-017)

---

<sup>1</sup>The date and numbers in parentheses to the right of the chapter/inspection procedure title are the issue date and the change notice number under which the title was issued.

|                    |  |
|--------------------|--|
| 0308, Att 3        | Technical Basis for Significance Determination Process<br>06/16/16 (16-013)  |
| 0308, Att 3, App A | Technical Basis for At Power Significance Determination<br>06/19/12 (12-010)   |
| 0308, Att 3, App B | Technical Basis for Emergency Preparedness Significance<br>Determination Process 12/19/12 (12-029)   |
| 0308, Att 3, App C | Technical Basis for Occupational Radiation Safety<br>Significance Determination Process 07/28/05 (05-022)  |
| 0308, Att 3, App D | Technical Basis for Public Radiation Safety<br>Significance Determination Process 07/27/04 (04-020)  |
| 0308, Att 3, App E | Technical Basis for the Baseline Security Significance Determination<br>Process 07/27/12 (12-016)  |
| 0308, Att 3, App F | Technical Basis for Fire Protection Significance<br>Determination Process [IMC 0609, Appendix F] At Power<br>Operations 05/02/18 (18-010)                              |
| 0308, Att 3, App G | Technical Basis for Shutdown Operations Significance<br>Determination Process 02/28/05 (05-007)  |
| 0308, Att 3, App H | Technical Basis for Containment Integrity Significance<br>Determination Process 05/06/04 (04-010)  |
| 0308, Att 3, App I | Technical Basis for Operator Requalification Human<br>Performance Significance Determination Process<br>07/28/05 (05-022)  |
| 0308, Att 3, App J | Technical Basis for Steam Generator Tube Integrity Findings<br>Significance Determination Process 07/06/11 (11-011)  |
| 0308, Att 3, App K | Technical Basis for Maintenance Risk Assessment and Risk<br>Management SDP 05/19/05 (05-014)   |
| 0308 Att 3 App L   | Technical Basis for the B.5.b Significance Determination Process<br>03/28/17 (17-008)  |
| 0308 Att 3 App M   | Technical Basis for the Significance Determination Process (SDP)<br>Using Qualitative Criteria 01/10/19 (19-002)   |
| 0308, Att 4        | Technical Basis for Assessment 05/15/17 (17-010)   |
| 0308, Att 5        | Technical Basis for Enforcement 10/16/06 (06-027)  |
| 0308, Att 6        | Basis Document for the Security Cornerstone of the Reactor Oversight<br>Process 09/08/09 (09-021)  |
| 0309               | Reactive Inspection Decision Basis for Reactors 10/28/11 (11-023)  |
| 0310               | Aspects Within the Cross-Cutting Areas 02/25/19 (19-008)   |
| 0312               | Technical Assistance for Radiation Safety Inspections at Nuclear Fuel<br>Cycle Facilities and Materials Licensees' Sites 06/06/02 (02-023)                             |
| 0326               | Operability Determinations and Functionality Assessments for Conditions<br>Adverse to Quality or Safety 11/20/17 (17-026)  |
| 0327               | Steam Generator Tube Primary-to-Secondary Leakage<br>11/01/18 (18-037)   |
| 0330               | Guidance for NRC Review of Licensee Draft Documents<br>07/08/96 (96-015)   |
| 0350               | Oversight of Operating Reactor Facilities in a Shutdown Condition<br>With Performance Problems 03/01/18 (18-006)   |
| 0351               | Now IMC 0375   |
| 0375               | Implementation of the Reactor Oversight Process at Reactor Facilities in<br>an Extended Shutdown Condition for Reasons Not Related to<br>Performance 11/13/15 (15-024) |

0400 Enforcement Policy

0410 Notices of Enforcement Discretion  
03/13/13 (13-009)

0410, App A RESERVED for Design Compliance Enforcement Discretion

0500 Tracking Systems

0600 Documentation of Program Findings

0608 Performance Indicator Program 02/05/19 (19-005)

0609 Significance Determination Process 10/23/18 (18-036)

0609.01 Significance and Enforcement Review Panel Process  
10/23/18 (18-036)

0609.02 Process for Appealing NRC Characterization of Inspection  
Findings (SDP Appeal Process) 06/08/11 (11-010)

0609.02 Process for Appealing NRC Characterization of Inspection  
Findings (SDP Appeal Process) Effective Date: 01/01/2019  
10/23/18 (18-036)

0609.03 Senior Reactor Analyst (SRA) and Risk Analyst Support Expectations  
04/29/15 (15-008)

0609.04 Initial Characterization of Findings 10/07/16 (16-026)

0609.05 Inspection Findings Review Board 12/07/18 (18-041)

0609, App A Determining the Significance of Reactor Inspection Findings for At-  
Power Situations 06/19/12 (12-010)

0609, App B Emergency Preparedness Significance Determination Process  
09/22/15 (15-017)

0609, App C Occupational Radiation Safety Significance Determination  
Process 08/19/08 (08-024)

0609, App D Public Radiation Safety Significance Determination Process  
02/12/08 (08-007)

0609, App E Security Significance Determination Process for  
Power Reactors 10/08/15 (15-019)

0609, App E Part I Baseline Security Significance Determination Process for  
Power Reactors 09/17/18 (18-032)

0609, App E Part II Force-on-Force Significance Determination Process  
01/15/14 (14-001)

0609, App E Part III Construction Fitness-for-Duty Significance Determination Process  
– Pilot 07/26/18 (18-021)

0609, App E Part IV Cyber Security Significance Determination Process for Power  
Reactors 08/15/17 (17-014)

0609, App F Fire Protection Significance Determination Process 05/02/18 (18-010)

0609, App F, Att 1 Fire Protection SDP Worksheet 05/02/18 (18-010)

0609, App F, Att 2 Degradation Rating Guidance 05/02/18 (18-010)

0609, App F, Att 3 Guidance for Identifying Credible Fire Scenarios  
05/02/18 (18-010)

0609, App F, Att 4 Guidance for Determining Fire Ignition Frequency 05/02/18 (18-010)

0609, App F, Att 5 Characterizing Fire Ignition Sources 05/02/18 (18-010)

|                    |  |
|--------------------|--|
| 0609, App F, Att 6 | Guidance for the Identification of Targets and Their Ignition and Damage Criteria 05/02/18 (18-010)                            |
| 0609, App F, Att 7 | Guidance for Fire Non-Suppression Probability Analysis 05/02/18 (18-010)   |
| 0609, App F, Att 8 | Tables and Plots Supporting the Phase 2 Risk Quantification 05/02/18 (18-010)  |
| 0609, App G        | Shutdown Operations Significance Determination Process 05/09/14 (14-011)   |
| 0609, App G, Att 1 | Shutdown Operations Significance Determination Process Phase 1 Operational Checklists for Both PWRs and BWRs 05/09/14 (14-011) |
| 0609, App G, Att 2 | Phase 2 Significance Determination Process Template for PWR during Shutdown 02/28/05 (05-007)                                  |
| 0609, App G, Att 3 | Phase 2 Significance Determination Process Template for BWR during Shutdown 02/28/05 (05-007)                                  |
| 0609, App H        | Containment Integrity Significance Determination Process 02/25/19 (19-008)   |
| 0609, App I        | Licensed Operator Requalification Significance Determination Process 01/10/19 (19-001)   |
| 0609, App J        | Technical Basis for Steam Generator Tube Integrity Findings 07/06/11 (11-011)  |
| 0609, App K        | Maintenance Risk Assessment and Risk Management Significance Determination Process 05/19/05 (05-014)                           |
| 0609, App L        | B.5.b Significance Determination Process 12/24/09 (09-032)   |
| 0609, App M        | Significance Determination Process Using Qualitative Criteria 01/10/19 (19-002)  |
| 0609 App N         | RESERVED SDP for ISFSI at Operating Plants   |
| 0609 App O         | Significance Determination Process for Mitigating Strategies and Spent Fuel Pool Instrumentation 10/07/16 (16-026)             |
| 0610               | Nuclear Material Safety and Safeguards Inspection Reports 05/18/04 (04-014)  |
| 0611               | Power Reactor Inspection Reports 08/19/19 (19-027)<br>Effective Date: 01/01/18   |
| 0611.02            | Guidance for Reactive Inspection Reports 07/30/19 (19-025)   |
| 0611, Exh 1        | Standard Reactor Inspection Report Outline 12/13/17 (17-029)<br>Effective Date: 01/01/18                                       |
| 0611, Exh 2        | Inspection Report Documentation Matrix 12/13/17 (17-029)<br>Effective Date: 01/01/18   |
| 0611, App A        | Acronyms Used in Inspection Reports 12/13/17 (17-029)<br>Effective Date: 01/01/18  |
| 0611, App C        | Guidance for Supplemental Inspection Reports 12/13/17 (17-029)<br>Effective Date: 01/01/18                                     |
| 0611, App D        | Guidance for Problem Identification and Resolution Inspection Reports 12/13/17 (17-029) Effective Date: 01/01/18               |
| 0612               | Issue Screening 05/03/17 (17-009)  |
| 0612               | Power Reactor Inspection Reports 05/06/16 (16-012)   |
| 0612, Exh 1        | Standard Reactor Inspection Report 02/07/14 (14-005)   |
| 0612, Exh 2        | Inspection Report Documentation Matrix 09/04/14 (14-020)   |
| 0612, Exh 3        | RESERVED for Sample Reactor Inspection Report (temporarily suspended pending revision)   |
| 0612, Exh 4        | Inspection Report Cover Letter Templates 07/26/16 (16-018)   |

0612, App A Acronyms Used in IMC 0612 12/04/08 (08-034)  
 0612, App B Issue Screening 09/07/12 (12-020)  
 0612, App B Issue Screening 12/13/17 (17-029) Effective Date: 01/01/18  
 0612, App C Documentation Guidance for Supplemental Inspections 10/28/11 (11-024)  
 0612, App C Exh1 Sample Supplemental Inspection Report for IP 95001 and IP 95002  
 10/28/11 (11-024)  
 0612, App D Guidance for Documenting Inspection Procedure 71152,  
 "Identification and Resolution of Problems" 08/13/13 (13-017)  
 0612, App E Examples of Minor Issues 10/01/18 (18-033)  
 0612, App G Emergency Planning Cornerstone- Specific Supplemental Guidance for  
 Appendix B Screening Figures 1 and 2 09/09/13 (13-020)  
 0613 Power Reactor Construction Inspection Reports 10/01/18 (18-033)  
 0614 Documenting 10 CFR Part 52 Construction Audit Activities  
 10/03/07 (07-030)  
 0615 Research and Test Reactor Inspection Reports  
 06/23/04 (04-018)  
 0616 Fuel Cycle Safety and Safeguards Inspection Reports 08/15/17 (17-014)  
 0617 Vendor and Quality Assurance Implementation Inspection Reports  
 09/06/18 (18-030)  
 0620 Inspection Documents and Records 01/28/19 (19-003)

#### 0700 Communications with Licensees

0730 Generic Communications Regarding Materials and Fuel Cycle Issues  
 03/21/08 (08-011)

#### 0800 Feedback - Improving the Regulatory Process

0801 Inspection Program Feedback Process 12/19/16 (16-034)  
 0802 RESERVED for the Part 52 Program

#### 0900 Reporting of Events/Incidents

#### 1000 Regional Office Program Interfaces

1007 Interfacing Activities between Regional Offices of NRC and  
 OSHA 05/06/16 (16-012)

#### 1100 Notifications of Meetings and Conferences

1120 Preliminary Notifications 09/13/13 (13-021)

#### 1200 Inspector Requirements

1201 Conduct of Employees 07/29/16 (16-019)

|               |   |
|---------------|---|
| 1202          | Senior Resident Inspector Site Turnover 06/28/18 (18-017)   |
| 1220          | Processing of NRC Form 241, "Report of Proposed Activities In Non-Agreement States," Areas of Exclusive Federal Jurisdiction and Offshore Waters, and Inspection of Agreement State Licensees Operating Under 10 CFR 150.20 05/01/03 (03-013) |
| 1220, App I   | Procedures and Guidelines for Processing NRC Form 241 05/01/03 (03-013)   |
| 1220, App II  | Procedures Letter to be Sent to Licensees with Procedures and Information for Filing NRC Form 241 05/01/03 (03-013)   |
| 1220, App III | Inspection of Agreement State Licensees 05/01/03 (03-013)   |
| 1230          | Quality Assurance Program for Radiological Confirmatory Measurements 10/01/83 (83-12)   |
| 1232          | Collection, Preparation, and Shipment of Independent Measurement Samples 11/18/86 (86-52)   |
| 1240          | Unescorted Access at Power Reactors 01/28/19 (19-003)   |
| 1245          | Qualification Program for Operating Reactor Programs 08/23/18 (18-029)  |
| 1245, Att 1   | General Overview of the Inspector Training and Qualification Program 08/24/17 (17-015)  |
| 1245, Att 2   | Inspector Competencies 10/31/06 (06-032)  |
| 1245, Att 3   | General Orientation Topics 10/31/06 (06-032)  |
| 1245, App A   | Basic-Level Training and Qualification Journal 07/30/18 (18-023)  |
| 1245, App B   | General Proficiency-Level Training and Qualification Journal 07/30/18 (18-023)  |
| 1245, App C1  | Reactor Operations Inspector Technical Proficiency Training and Qualification Journal 12/19/16 (16-034)   |
| 1245, App C2  | Reactor Engineering Inspector Technical Proficiency Training and Qualification Journal 08/23/18 (18-029)  |
| 1245, App C3  | Health Physics Inspector Technical Proficiency Training and Qualification Journal 02/20/17 (17-004)   |
| 1245, App C4  | Reactor Security Inspector Technical Proficiency Qualification Training and Qualification Journal 11/29/13 (13-027)   |
| 1245, App C5  | Research and Test Reactor Inspector Technical Proficiency Qualification Journal 07/08/09 (09-017)   |
| 1245, App C6  | Emergency Preparedness Inspector Technical Proficiency Training and Qualification Journal 08/23/18 (18-029)   |
| 1245, App C7  | Fire Protection Inspector Technical Proficiency Training and Qualification Journal 07/30/18 (18-023)  |
| 1245, App C8  | Vendor Inspector Technical Proficiency Qualification Journal 07/30/18 (18-023)  |
| 1245, App C9  | Senior Reactor Analyst Training and Qualification Program 07/30/18 (18-023)   |
| 1245, App C10 | Operator Licensing (OL) Examiner Technical Proficiency Training and Qualification Journal 10/21/15 (15-020)   |
| 1245, App C11 | Security Risk Analyst Technical Proficiency Training and Qualification Journal 08/30/13 (13-019)  |
| 1245, App C12 | Safety Culture Assessor Training and Qualification Journal 02/28/19 (19-009)  |
| 1245, App C13 | Independent Spent Fuel Storage Installation Security Inspector Technical Proficiency Training and Qualification Journal 08/08/13 (13-016)   |

|               |  |
|---------------|--|
| 1245, App C14 | Cyber Security Inspector Technical Proficiency Training and Qualification Journal 08/03/15 (15-014)  |
| 1245, App C15 | Construction Inspector Technical Proficiency Training and Qualification Journal 08/15/17 (17-014)  |
| 1245 App C16  | RESERVED for RTR training qualifications   |
| 1245, App D1  | Maintaining Qualifications 06/07/18 (18-014)   |
| 1245, App D2  | Inservice Inspection Advanced-Level Training 10/21/15 (15-020)   |
| 1245, App D3  | Fire Protection Advanced-Level Training 08/23/18 (18-029)  |
| 1245, App D4  | Advanced Electrical Inspector Technical Proficiency Training and Qualification Journal 12/29/11 (11-044)   |
| 1246          | Formal Qualification Programs in the Nuclear Material Safety and Safeguards Program Area 10/26/11 (11-022)   |
| 1246, App A   | Training Activities 10/26/11 (11-022)  |
| 1246, App B1  | Training Requirements and Qualification Journal for Spent Fuel Storage and Transportation Reviewer 10/26/11 (11-022)   |
| 1246, App B2  | Training Requirements and Qualification Journal for Spent Fuel Storage and Transportation Inspector 10/26/11 (11-022)  |
| 1246, App B3  | Training Requirements and Qualification Journal for Independent Spent Fuel Storage Installation Inspector 11/07/11 (11-028)  |
| 1246, App B4  | Independent Spent Fuel Storage Installation Security Inspector Technical Proficiency Training and Qualification Journal 08/08/13 (13-016)  |
| 1246, App C1  | Training Requirements and Qualification Journal for Fuel Cycle License Reviewer 10/26/11 (11-022)  |
| 1246, App C2  | Training Requirements and Qualification Journal for Fuel Cycle Project Manager 10/26/11 (11-022)   |
| 1246, App C3  | Training Requirements and Qualification Journal for Material Control and Accounting License Reviewer 10/26/11 (11-022)   |
| 1246, App C4  | Training Requirements and Qualification Journal for Fuel Cycle Safeguards Physical Security Inspector 10/26/11 (11-022)  |
| 1246, App C5  | Training Requirements and Qualification Journal for International Safeguards Analysts, Nuclear Materials Management and Safeguards System (NMMSS) Analysts, and Import/Export Analysts 06/27/16 (16-014) |
| 1246, App D1  | Training Requirements and Qualification Journal for High Level Waste Repository License Technical Reviewer 10/26/11 (11-022)   |
| 1246, App D2  | Training Requirements and Qualification Journal for High Level Waste Repository Inspector 10/26/11 (11-022)  |
| 1247          | Qualification Program for Fuel Facility Inspectors in the Nuclear Material Safety and Safeguards Program Area 10/28/14 (14-026)  |
| 1247, App A   | Basic-Level Training and Certification Journal Fuel Facility Inspector 06/27/14 (14-014)   |
| 1247, App B   | General Proficiency-Level Training and Qualification Journal 06/11/14 (14-012)   |
| 1247, App C1  | Fuel Facility Operations Inspector Technical Proficiency Training and Qualification Journal 06/11/14 (14-012)  |
| 1247, App C2  | Fuel Facility Health Physics Inspector Technical Proficiency Training and Qualification Journal 06/20/2014 (14-013)  |
| 1247, App C3  | Fuel Facility Emergency Preparedness Inspector Technical Proficiency Training and Qualification Journal 06/11/14 (14-012)  |
| 1247, App C5  | Fuel Facility Material Control & Accounting Inspector Technical Proficiency Training and Qualification Journal 06/11/14 (14-012)   |

|              |   |
|--------------|---|
| 1247, App C6 | Fuel Facility Nuclear Criticality Safety Inspector Technical Proficiency Training and Qualification Journal 06/11/14 (14-012)       |
| 1247, App D  | RESERVED for Advanced and Specialized Training Courses and Qualification Programs   |
| 1247, App D1 | Fuel Facility Information Security Inspector Specialized Qualification Program Training and Qualification Journal 10/28/14 (14-026) |
| 1248         | Formal Qualification Programs for Federal and State Materials and Environmental Management Programs 04/19/13 (13-011)               |
| 1248, App A  | Materials Health Physics License Review Qualification Journal 04/19/13 (13-011)   |
| 1248, App B  | Materials Health Physics Inspector Qualification Journal 04/19/13 (13-011)  |
| 1248, App C  | Training Requirements and Qualification Journal for Materials Exempt Distribution License Reviewer 04/19/13 (13-011)                |
| 1248, App D  | Training Requirements and Qualification Journal for Byproduct Material Sealed Source and Device Reviewer 04/19/13 (13-011)          |
| 1248, App E  | Training Requirements and Qualification Journal for Division of Waste Management Inspector and License Reviewer 04/19/13 (13-011)   |
| 1248, App F  | Training Requirements and Qualification Journal for Decommissioning Inspectors 10/07/16 (16-026)                                    |
| 1248, App G  | Training Requirements and Qualification Journal for Decommissioning Project Managers and Technical Reviewers 01/13/16 (16-002)      |
| 1248, App H  | Training Requirements and Qualification Journal for Uranium Recovery Inspector 04/19/13 (13-011)                                    |
| 1248, App I  | Training Requirements and Qualification Journal for Uranium Recovery Project Manager/Technical Reviewer 07/02/19 (19-021)           |
| 1248 App J   | RESERVED  |

## 1300 Incident Response

|      |  |
|------|--|
| 1301 | Response to Non-Emergency Incidents Involving Radioactive Material 10/20/00 (00-022)   |
| 1302 | Action Levels for Radiation Exposures and Contamination Associated with Materials Events Involving Members of the Public 07/14/05 (05-019) |
| 1303 | Requesting Emergency Acceptance of Radioactive Material by the U.S. Department of Energy 11/29/07 (07-037)                                 |
| 1304 | RESERVED for Independent Split Sampling Program for Residual Radioactivity   |
| 1330 | Response to Transportation Accidents Involving Radioactive Materials 10/06/04 (04-025)   |
| 1360 | Use of Physician and Scientific Consultants in the Medical Consultant Program 11/02/06 (06-033)  |

## 1400 Environmental Monitoring

|      |  |
|------|--|
| 1415 | State Contracts for Environmental Monitoring 06/28/91 (91-009) |
|------|--|



|             |  |
|-------------|--|
| 1500        | <u>Reserved</u>  |
| 1600        | <u>Emergency Preparedness</u>  |
| 1601        | Communication Protocol for Assessing Offsite Emergency Preparedness<br>Following a Natural Disaster 06/29/18 (18-018)              |
| 1700        | <u>Reserved</u>  |
| 1800        | <u>Reserved</u>  |
| 1900        | <u>Reserved</u>  |
| 2000        | <u>Reserved</u>  |
| 2100        | <u>Reserved</u>  |
| 2200        | <u>Nuclear Security and Incident Response</u>  |
| 2200        | Security Inspection Program for Construction 09/07/12 (12-020)   |
| 2200, App A | Security Construction Inspection Program 01/29/19 (19-004)   |
| 2201        | Security Inspection Program for Commercial Nuclear Power Reactors<br>08/20/18 (18-026)   |
| 2201, App A | Security Baseline Inspection Program 09/11/18 (18-031)   |
| 2201, App B | Supplemental Inspection Program 08/20/18 (18-026)  |
| 2201, App C | Generic, Special, and Infrequent Inspections 08/20/18 (18-026)   |
| 2201, App D | Facility Status Reviews for Security and Safeguards Inspection Program<br>11/01/18 (18-037)  |
| 2201/003    | RESERVED for Fitness for Duty Part 26 Subpart K  |
| 2201/005    | Inspection of TVA WB1, Implementation of the Cyber Security Program<br>Required by 10 CFR 73.54 and 10 CFR 73.55 07/03/14 (14-015) |
| 2202        | Security Inspection Program for Decommissioning Reactors<br>08/27/14 (14-019)  |
| 2202, App A | Security Core Inspection Program 08/27/14 (14-019)   |
| 2202, App B | Security Discretionary Inspection Program 10/06/14 (14-023)  |
| 2300        | <u>High Level Waste</u>  |
| 2300        | Yucca Mountain Inspection Program License Application Review Period<br>09/11/08 (08-026)   |

2400 Low Level Waste Program

- 2401 Near-Surface Low-Level Radioactive Waste Disposal  
Facility Inspection Program 11/27/01 (01-028)
- 2410 Conduct of Observation Audits 07/12/00 (00-012)

2500 Reactor Inspection Program

- 2501 Construction Inspection Program: Early Site Permit (ESP)  
06/06/13 (13-013)
- 2502 Construction Inspection Program: Pre-Combined License (Pre-  
COL) Phase 12/13/10 (10-026)
- 2503 Construction Inspection Program: Inspections of Inspections, Tests,  
Analyses, and Acceptance Criteria (ITAAC) 07/05/12 (12-012)
- 2504 Construction Inspection Program: Inspections of Construction and  
Operational Programs 04/02/19 (19-012)
- 2505 Periodic Assessment of Construction Inspection Program Results  
01/06/17 (17-001)
- 2506 Construction Reactor Oversight Process General Guidance and Basis  
Document 07/02/19 (19-021)
- 2507 Construction Inspection Program: Vendor Inspections 05/16/18 (18-013)
- 2508 Construction Inspection Program: Design Certification 09/06/16 (16-022)
- 2514 AP1000 Reactor Inspection Program – Startup Testing Phase  
02/28/19 (19-009)
- 2515 Light Water Inspection Program - Operations Phase 07/03/19 (19-022)
- 2515, App A Risk-Informed Baseline Inspection Program 07/26/19 (19-024)
- 2515, App B Supplemental Inspection Program 12/18/15 (15-031)
- 2515, App C Special and Infrequently Performed Inspections 05/01/19 (19-014)
- 2515, App D Plant Status 11/19/18 (18-039)
- 2515, App E Inspection Program Modifications during a Pandemic 01/26/07 (07-004)
- 2515, App F Reactor Construction Activities near Operating Unit(s) 06/02/11 (11-009)
- 2515, App G Baseline Inspection Guidance for Power Reactors Preparing for  
Transition to Decommissioning Phase 02/01/16 (16-004)
- 2515/176 Emergency Diesel Generator Technical Specification Surveillance  
Requirements Regarding Endurance and Margin Testing 05/16/08 08-015
- 2515/179 Verification of Licensee Responses To NRC Requirement  
Rev. 1 for Inventories of Materials Tracked in the National Source Tracking  
System Pursuant to Title 10, Code of Federal Regulations, Part 20.2207  
(10 CFR 20.2207) 05/27/10 (10-014)
- 2515/191 Inspection of the Implementation of Mitigation Strategies and Spent Fuel  
Pool Instrumentation Orders and Emergency Preparedness  
Communication/Staffing/Multi-Unit Dose Assessment Plans  
07/10/18 (18-020)
- 2515/193 Inspection of the Implementation of Order EA-13-109, “Order Modifying  
Licensees with Regard to Reliable Hardened Containment Vents Capable  
of Operation under Severe Accident Conditions,” 10/10/17 (17-022)
- 2515/194 Inspection of the Licensees’ Implementation of Industry Initiative  
Associated with the Open Phase Condition Design Vulnerabilities in  
Electric Power Systems (NRC Bulletin 2012-01) 10/31/17 (17-024)

|             |   |
|-------------|---|
| 2516        | Policy and Guidance for the License Renewal Inspection Programs<br>08/13/13 (13-017)  |
| 2518        | RESERVED for Construction Inspection Program: Advanced Reactors,<br>Pre-Construction Permit (CP)                                  |
| 2519        | Construction Significance Determination Process 12/06/17 (17-028)   |
| 2522        | Construction Reactor Oversight Process Self-Assessment Program<br>07/28/14 (14-017)   |
| 2522, App A | Construction Reactor Oversight Process Self-Assessment Metrics<br>10/03/17 (17-021)   |
| 2523        | NRC Application of the Reactor Operating Experience Program in NRC<br>Oversight Processes 06/19/13 (13-014)                       |
| 2545        | Research and Test Reactor Inspection Program 06/23/04 (04-018)  |
| 2550        | Non-Power Protection Facilities (NPUFs) Licensed Under 10 CFR Part<br>50: Construction Inspection Program (CIP) 05/01/18 (18-009) |
| 2561        | Decommissioning Power Reactor Inspection Program<br>03/06/18 (18-007)   |

## 2600 Fuel Cycle Facility Inspection Program

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|-------------|---|
| 2600        | Fuel Cycle Facility Operational Safety and Safeguards Inspection<br>Program 03/11/19 (19-010)   |
| 2600, App A | Guidance for Conducting Fuel Cycle Inspections 09/24/15 (15-018)  |
| 2600, App B | NRC Core Inspection Requirements, Tables 1 and 2 06/12/18 (18-015)  |
| 2600, App C | Fuel Cycle Resident Inspection Program 09/24/15 (15-018)  |
| 2600, App D | Fuel Cycle Facility Inspection Planning 06/12/18 (18-015)   |
| 2600/016    | Inspection of Activities Associated with NRC Generic Letter 2015-01<br>11/09/16 (16-029)  |
| 2601        | Reactive Inspection Decision Making Process for Fuel Facilities<br>09/20/16 (16-023)  |
| 2602        | Decommissioning Oversight and Inspection Program for Fuel<br>Cycle Facilities and Materials Licensees 07/29/08 (08-021)   |
| 2603        | RESERVED for Fuel Cycle Facility Construction Inspection Program<br>Assessment  |
| 2604        | Licensee Performance Review 09/20/16 (16-023)   |
| 2606        | Assessment of the Change in Risk Resulting From a Violation at a Fuel<br>Cycle Facility 04/01/16 (16-010)   |
| 2606, E-2   | Evaluation Based on Specific Licensee ISAs 09/26/12 (12-022)  |
| 2620        | On-Site Construction Reviews of Remedial Action at Inactive Uranium Mill<br>Tailing Sites (Title I, Uranium Mill Tailings Radiation Control Act)<br>10/05/01 (01-020) |
| 2630        | Mixed Oxide Fuel Fabrication Facility Construction Inspection Program<br>09/20/16 (16-023)  |
| 2635        | RESERVED for Uranium Enrichment Facility Construction and Pre-<br>Operational Readiness Review Inspection Programs  |
| 2641        | In-Situ Leach Facilities Inspection Program 08/25/00 (00-014)   |
| 2650        | Fuel Cycle Inspection Assessment Program 11/08/18 (18-038)  |
| 2681        | Physical Protection and Transport of SNM and Irradiated Fuel<br>Inspections of Fuel Facilities 10/27/17 (17-023)  |

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| 2681/009       | Inspection Guidance and Requirements for Physical Protection of the Transfer, Loading and Shipment of Irradiated Special Nuclear Material from General Atomics Facility, San Diego, California to U.S. Department of Energy, Idaho National Laboratory, Scoville, Idaho 08/12/10 (10-017) |
| 2682           | Technical Assistance for Safeguards MC&A Inspections at Fuel Facilities 06/18/84 (84-18)  |
| 2683           | MC&A Safeguards Inspection of Fuel Facilities 05/09/14 (14-011)   |
| 2690           | Inspection Program for Dry Storage of Spent Reactor Fuel at Independent Spent Fuel Storage Installations and for 10 CFR Part 71 Transportation Packagings 03/09/12 (12-004)   |
| 2690/011       | Review of Aging Management Programs at Independent Spent Fuel Storage Installations 01/30/18 (18-002)   |
| 2694           | Fuel Cycle Facility Construction and Pre-operational Readiness Review Inspection Programs 08/30/17 (17-017)   |
| 2696           | Louisiana Energy Services Gas Centrifuge Facility Construction and Pre-Operational Readiness Review Inspection Programs 10/19/06 (06-028)   |
| 2700           | <u>Licensee Contractor and Vendor Inspection Program</u>  |
| 2800           | <u>Materials Inspection Program</u>   |
| 2800           | Materials Inspection Program 09/12/17 (17-018)  |
| 2800/030       | Verification of the Status of Devices Authorized For Use Under a General License 05/30/00 (00-011)  |
| 2800/032       | Follow-up - Materials Safeguard Advisory 10/31/01 (01-023)  |
| 2800/036       | Inspection of Manufacturing and Distribution Licensees 09/13/04 (04-024)  |
| 2800/037       | Safety Procedures for Panoramic Irradiators Rev 1 07/14/05 (05-019)   |
| 2800/040       | Material Control and Accounting at Nuclear Power Plants and Wet Storage Sites 03/07/11 (11-002)   |
| 2800/041       | 10 CFR Part 37 Materials Security Review at Facilities with a Title 10 Code of Federal Regulations Part 73 Physical Protection Program 07/01/15 (15-013)  |
| 2800/043 Rev 2 | Inspection of Facilities Potentially Contaminated with Discrete Radium 226 Sources 05/09/18 (18-011)  |
| 2801           | Uranium Mill 11e.(2) Byproduct Material Disposal Site and Facility Inspection Program 08/25/00 (00-014)   |
| 2810           | Master Materials License Oversight and Inspection Program 10/11/12 (12-023)   |
| 2815           | Construction and Preoperational Inspection of Panoramic, Wet-Source-Storage Gamma Irradiators 03/27/01 (01-010)   |
| 2882           | Transfer of NRC License Files to Agreement State(s) 12/03/01 (01-029)   |
| 2900           | <u>Performance Appraisal Program</u>  |
| 2901           | Team Inspections 08/24/01 (01-016)  |
| 2920           | Construction Appraisal Team Inspection Program 03/29/85 (85-11)   |

3000 Management Meetings

30800 Initial Management Meeting - Materials Licensees 10/01/76 (76-26)

3100 Reserved

3200 Reserved

3300 Reserved

3400 Reserved

3500 Quality Assurance

35002 Early Site Permit Pre-Docketing Quality Assurance Controls Meeting 05/29/03 (03-018)

35004 Pre-Docketing Early Site Permit Quality Assurance Controls Inspection 05/29/03 (03-018)

35006 Post-Docketing Early Site Permit Quality Assurance Controls Inspection 05/29/03 (03-018)

35007 Quality Assurance Program Implementation During Construction and Pre-Construction Activities 12/08/16 (16-032)

35012 Early Site Permit Quality Assurance Controls Assessment and Conclusion 05/29/03 (03-018)

35017 Quality Assurance Implementation Inspection 07/29/08 (08-021)

35023 RESERVED for Design Reliability Assurance Program

35031 RESERVED for Design Certification Pre-Meeting

35032 RESERVED for Pre-Docketing Design Certification Quality Assurance Controls Inspection

35033 RESERVED for Post-Docketing Design Certification Quality Assurance Controls Inspection

35034 Design Certification Testing Inspection 01/27/10 (10-003)

35101 QA Program Implementation Inspection for Operational Programs 07/08/16 (16-015)

35701 Quality Assurance Program Review 09/17/01 (01-017)

35710 Quality Assurance Inspection of Software Used in Nuclear Applications 01/30/18 (18-002)

35962 RESERVED for Part 52 QA Program Evaluation of Engineering Service Organization

3600 Organization and Administration

36100 Inspection of 10 CFR Parts 21 and 50.55(e) Programs for Reporting Defects and Noncompliance 05/16/19 (19-015)

|          |   |
|----------|---|
| 36100.01 | Inspection of 10 CFR Part 21 and Programs for Reporting Defects and Noncompliance During Construction 02/13/12 (12-002) |
| 36302    | Part 52. Operational Staffing 08/19/08 (08-024)   |
| 36801    | Organization, Management, and Cost Controls at Permanently Shutdown Reactors 08/11/97 (97-012)                          |
| 3700     | <u>Design, Design Changes, Modifications</u>  |
| 37060    | Inspections under the 10CFR Part 50.69 Special Program 09/14/11 (11-016)  |
| 37700    | Design Changes, and Modifications 09/17/01 (01-017)   |
| 37801    | Safety Reviews, Design Changes, and Modifications at Permanently Shutdown Reactors 08/11/97 (97-012)                    |
| 37803    | RESERVED  |
| 37804    | Aircraft Impact Assessment Inspection 02/09/12 (12-001)   |
| 37805    | Engineering Design Verification Inspections 04/25/11 (11-007)   |
| 3800     | <u>Procurement</u>  |
| 3900     | <u>Records</u>  |
| 39701    | Records Program 09/17/01 (01-017)   |
| 4000     | <u>Review and Audit</u>   |
| 40002    | Inspections to Review Allegations 06/28/02 (02-024)   |
| 40100    | Independent Safety Culture Assessment Follow-up 07/26/18 (18-022)   |
| 40505    | RESERVED for Effectiveness of Process to Identify, Resolve, and Prevent Construction Problems                           |
| 40600    | Licensee Program for Inspections, Tests, Analyses, and Acceptance Criteria (ITAAC) Management 07/28/14 (14-017)         |
| 40801    | Self-Assessment, Auditing, and Corrective Action at Permanently Shutdown Reactors 08/11/97 (97-012)                     |
| 4100     | <u>Training</u>   |
| 41500    | Training and Qualification Effectiveness 06/13/95 (95-007)  |
| 41501    | Review of Training and Qualification Programs 06/04/19 (19-018)   |
| 41502    | Nuclear Power Plant Simulation Facilities 10/16/12 (12-024)   |
| 4200     | <u>Procedures</u>   |
| 42001    | Emergency Operating Procedures 06/28/91 (91-009)  |
| 42401    | Part 52, Plant Procedures 10/27/10 (10-022)   |

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| 42453 | Part 52, Operating Procedures Inspection 08/19/08 (08-024)  |
| 42454 | Part 52, Emergency Operating Procedures 09/09/13 (13-020)   |
| 42700 | Plant Procedures 11/15/95 (95-015)  |
| 4300  | <u>Vendor Procedures</u>  |
| 43002 | Routine Inspections of Nuclear Vendors 01/27/17 (17-002)  |
| 43003 | Reactive Inspections of Nuclear Vendors 12/14/15 (15-029)   |
| 43004 | Inspection of Commercial-Grade Dedication Programs 01/27/17 (17-002)  |
| 43005 | NRC Oversight of Third-Party Organizations Implementing Quality Assurance Requirements 10/08/15 (15-019)                          |
| 43006 | Inspection of the Implementation of Mitigation Strategies Orders Regarding the Use of National Response Centers 09/30/16 (16-025) |
| 4400  | <u>Reserved</u>   |
| 4500  | <u>Geotechnical/Foundation</u>  |
| 45051 | Geotechnical/Foundation Activities Procedure Review 05/29/03 (03-018)   |
| 45052 | Review of Geotechnical and Site Characterization Activities 10/03/07 (07-030)   |
| 4600  | <u>Structural Concrete</u>  |
| 4700  | <u>Containment (Post-Tensioning)</u>  |
| 4800  | <u>Structural Steel and Supports</u>  |
| 4900  | <u>Piping</u>   |
| 5000  | <u>Mechanical Components and Equipment</u>  |
| 50001 | Steam Generator Replacement Inspection 09/12/17 (17-018)  |
| 50002 | Steam Generators 12/31/96 (96-024)  |
| 50003 | Pressurizer Replacement Inspection 09/12/17 (17-018)  |
| 50054 | Reactor Vessel Material Surveillance Program 12/04/08 (08-034)  |
| 50056 | RESERVED for Reactor Vessel Material Surveillance Program   |
| 5100  | <u>Electrical Components and Systems</u>  |
| 51080 | Part 52, Environmental Qualifications (EQ) Program for Electrical and Mechanical Equipment 06/26/17 (17-013)                      |

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| 5200  | <u>Instrumentation Systems and Components</u>   |
| 52003 | Digital Instrumentation and Control Modification Inspection<br>10/31/08 (08-031)  |
| 5300  | <u>Containment Penetrations</u>   |
| 5400  | <u>Cleanliness</u>  |
| 5500  | <u>Welding</u>  |
| 55050 | Nuclear Welding General Inspection Procedure 06/20/83 (83-06)   |
| 55100 | Structural Welding General Inspection Procedure 06/20/83 (83-06)  |
| 5600  | <u>Calibration</u>  |
| 56700 | Calibration 03/23/05 (05-008)   |
| 5700  | <u>Nondestructive Examination, Destructive Examination and Fabrication Testing</u>  |
| 57050 | Visual Testing Examination 03/09/99 (99-003)  |
| 57060 | Liquid Penetrant Testing Examination 03/09/99 (99-003)  |
| 57070 | Magnetic Particle Testing Examination 03/09/99 (99-003)   |
| 57080 | Ultrasonic Testing Examination 03/09/99 (99-003)  |
| 57090 | Nondestructive Examination Procedure Radiographic<br>Examination Procedure Review/Work Observation/Record<br>Review 06/14/93 (93-005) |
| 5800  | <u>Special Processes</u>  |
| 5900  | <u>Reserve Shutdown System</u>  |
| 6000  | <u>Fuel Fabrication, Handling and Storage</u>   |
| 60705 | Preparation for Refueling 07/27/95 (95-009)   |
| 60710 | Refueling Activities 07/27/95 (95-009)  |
| 60715 | Spent Fuel Safety at Operating Reactors 10/30/15 (15-022)   |
| 60801 | Spent Fuel Pool Safety at Permanently Shutdown Reactors<br>01/11/16 (16-001)  |
| 60845 | Operation of Intra-Unit Fuel Transfer Canister and Cask System<br>05/16/19 (19-015)   |
| 60851 | Design Control of ISFSI Components 01/16/08 (08-003)  |
| 60852 | ISFSI Component Fabrication by Outside Fabricators 01/16/08 (08-003)  |
| 60853 | On-Site Fabrication of Components and Construction of an<br>ISFSI 01/16/08 (08-003)   |



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| 60854   | Preoperational Testing of an Independent Spent Fuel Storage Installation<br>01/16/08 (08-003)  |
| 60854.1 | Preoperational Testing of Independent Spent Fuel Storage<br>Facility Installation at Operating Plants 05/16/19 (19-015)  |
| 60855   | Operation of an Independent Spent Fuel Storage Installation<br>01/16/08 (08-003)   |
| 60855.1 | Operation of an Independent Spent Fuel Storage Installation at<br>Operating Plants 05/16/19 (19-015)   |
| 60856   | Review of 10 CFR 72.212(b) Evaluations 03/05/08 (08-010)   |
| 60856.1 | Review of 10 CFR 72.212(b) Evaluations at Operating Plants<br>05/16/19 (19-015)  |
| 60857   | Review of 10 CFR 72.48 Evaluations 10/24/07 (07-033)   |
| 60858   | Away-From-Reactor ISFSI Inspection Guidance 05/03/07 (07-015)  |
| 60859   | RESERVED for Welding Verification Checklist for Transportation and<br>ISFSI Components   |
| 60860   | RESERVED for Nondestructive Examination Procedure Visual<br>Examination Procedure Review/Work Observation/Record Review of<br>Transportation and ISFSI Components        |
| 60861   | RESERVED for Nondestructive Examination Procedure Liquid Penetrant<br>Examination Procedure Review/Work Observation/Record Review of<br>Transportation ISFSI Components  |
| 60862   | RESERVED for Nondestructive Examination Procedure Magnetic Particle<br>Examination Procedure Review/Work Observation/Record Review of<br>Transportation ISFSI Components |
| 60863   | RESERVED for Nondestructive Examination Procedure Ultrasonic<br>Examination Procedure Review/Work Observation/Record Review  |
| 60864   | RESERVED for Nondestructive Examination Procedure Radiographic<br>Examination Procedure Review/Work Observation/Record Review of<br>Transportation and ISFSI Components  |
| 6100    | <u>Surveillance</u>  |
| 61705   | Calibration of Nuclear Instrumentation Systems 05/12/86 (86-25)  |
| 61706   | Core Thermal Power Evaluation 07/14/86 (86-36)   |
| 61707   | Determination of Reactor Shutdown Margin 10/11/85 (85-31)  |
| 61708   | Isothermal and Moderator Temperature Coefficient<br>Determinations 10/11/85 (85-31)  |
| 61709   | Total Power Coefficient of Reactivity at Pressurized<br>Water Reactors 07/14/86 (86-36)  |
| 61710   | Control Rod Worth Measurements (PWR) 10/11/85 (85-31)  |
| 61715   | Verification of Containment Integrity 12/23/86 (86-60)   |
| 61720   | Containment Local Leak Rate Testing 10/03/85 (85-30)   |
| 61726   | Surveillance Observations 06/24/98 (98-010)  |
| 61728   | Independent Measurement of RCS Leak Rates for a PWR<br>01/01/84 (84-02)  |

6200 Maintenance

- 62002 Inspection of Structures, Passive Components, and Civil Engineering Features at Nuclear Power Plants 12/31/96 (96-024)
- 62003 Inspection of Steel and Concrete Containments at Nuclear Power Plants 06/11/97 (97-008)
- 62706 Maintenance Rule 12/13/00 (00-028)
- 62708 Motor-Operated Valve Capability 10/23/13 (13-026)
- 62709 Configuration Risk Assessment and Risk Management Process 12/28/00 (00-029)
- 62710 Power-Operated Gate Valve Pressure Locking and Thermal Binding 04/30/10 (10-013)
- 62711 RESERVED for Operational Reliability Assurance Process
- 62712 Part 52, Maintenance Rule 08/13/13 (13-017)
- 62801 Maintenance and Surveillance at Permanently Shutdown Reactors 08/11/97 (97-012)

6300 Construction Testing

6400 Fire Prevention/Protection

- 64102 RESERVED for Part 52 Post fire Safe Shutdown, Emergency Lighting and Oil Collection Capabilities
- 64704 Fire Protection Program 06/24/98 (98-010)
- 64705 Part 52, Fire Protection Operational Program 06/04/19 (19-018)

6500 10 CFR Part 52 ITAAC Inspections

- 65001 Inspections of Inspections, Tests, Analyses, and Acceptance Criteria (ITAAC) Related Work 08/13/13 (13-017)
- 65001.01 Inspection of ITAAC-Related Foundations & Buildings 04/18/14 (14-010)
- 65001.02 Inspection of ITAAC-Related Installation of Structural Concrete 11/22/11 (11-037)
- 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 08/13/14 (14-018)
- 65001.05 Inspection of ITAAC-Related Installation of Reactor Pressure Vessel and Internals 08/19/08 (08/19/08)
- 65001.06 Inspection of ITAAC-Related Installation of Mechanical Components 01/27/15 (15-001)
- 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 06/24/15 (15-012)                                      |
| 65001.15        | Inspection of ITAAC-Related Installation of Fire Protection Equipment 07/01/08 (08-019)   |
| 65001.16        | Inspection of ITAAC-Related Engineering 06/20/14 (14-013)   |
| 65001.17        | Inspection of ITAAC-Related Security Structures, Systems, and Components 09/30/16 (16-025)  |
| 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 (11-029)                               |
| 65001.22        | Inspection of Digital Instrumentation and Control (DI&C) System/Software Design Acceptance Criteria (DAC) – Related ITAAC 12/19/11 (11-041) |
| 65001.23        | Inspection of Human Factors Engineering Integrated System Validation ITAAC 12/22/14 (14-031)  |
| 65001.23, App A | Inspection Guide for AP1000 Human Factors Engineering Integrated System Validation 12/22/14 (14-031)  |
| 65001.A         | ITAAC Attributes for As-Built Inspection 09/25/13 (13-023)  |
| 65001.B         | Inspection of the ITAAC-Related Welding Program 09/25/13 (13-023)   |
| 65001.C         | Inspection of the ITAAC-Related Construction Test Program 04/18/14 (14-010)   |
| 65001.D         | Inspection of the ITAAC-Related Operational Testing Program 05/09/14 (14-011)   |
| 65001.E         | Inspection of the ITAAC-Related Qualification Program 06/20/14 (14-013)   |
| 65001.F         | Inspection of the ITAAC-Related Design and Fabrication Requirements 09/20/13 (13-022)   |
| 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)  |

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| 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)                                      |
| 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)  |
| 69020 | Inspections of Safety-Related Items (and Services) During Construction of Non-Power Production and Utilization Facilities 12/14/15 (15-029)      |
| 69021 | Inspections of Quality Assurance Program Implementation During Construction of Non-Power Production and Utilization Facilities 09/12/17 (17-018) |
| 69022 | Inspections of Operational Readiness During Construction of Non-Power Production and Utilization Facilities 12/14/15 (15-029)                    |

## 7000 Preoperational Testing

|       |   |
|-------|---|
| 70307 | Containment Integrated Leak Rate Test - Procedure Review 03/07/86 (86-13) |
| 70313 | Containment Integrated Leak Rate Test 11/12/85 (85-36)                    |
| 70323 | Containment Leak Rate Test Results Evaluation 10/03/85 (85-30)            |
| 70367 | Inspection of Pre-operational Test Program 01/15/14 (14-001)              |
| 70368 | Part 52 Containment Leak Rate Testing (Programmatic) 06/26/17 (17-013)    |
| 70369 | RESERVED for Part 52 Containment Leak Rate Testing                        |
| 70371 | RESERVED for Part 52 Testing of Pipe Support and Restraint System         |
| 70701 | RESERVED  |
| 70702 | Inspection of Preoperational Test Performance 12/06/17 (17-028)           |

## 7100 Operations (License & TS Requirements)

|          |   |
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| 71002    | License Renewal Inspection 11/23/11 (11-038)  |
| 71003    | Post-Approval Site Inspection for License Renewal 07/08/16 (16-015)                       |
| 71004    | Power Uprate 05/15/17 (17-010)  |
| 71007    | Reactor Vessel Head Replacement Inspection 10/03/17 (17-020)                              |
| 71111    | Reactor Safety-Initiating Events, Mitigating Systems, Barrier Integrity 10/28/11 (11-025) |
| 71111.01 | Adverse Weather Protection 12/20/18 (18-043)  |

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| 71111.04     | Equipment Alignment 12/20/18 (18-043)  |
| 71111.05     | Fire Protection 08/07/19 (19-026)  |
| 71111.05T    | Fire Protection (Triennial) 01/31/13 (13-004)  |
| 71111.05XT   | Fire Protection - NFPA 805 (Triennial) 01/31/13 (13-004)   |
| 71111.06     | Flood Protection Measures 11/25/15 (15-027)  |
| 71111.07     | Heat Sink Performance 12/08/16 (16-032)  |
| 71111.08     | In-service Inspection Activities 12/14/18 (18-043)   |
| 71111.11     | Licensed Operator Requalification Program 12/14/18 (18-043)  |
| 71111.12     | Maintenance Effectiveness 02/03/16 (16-005)  |
| 71111.13     | Maintenance Risk Assessments and Emergent Work Control<br>12/20/17 (17-030)  |
| 71111.15     | Operability Determinations and Functionality Assessments<br>04/30/19 (19-013)  |
| 71111.17T    | Evaluations of Changes, Tests, and Experiments 12/08/16 (16-032)   |
| 71111.18     | Plant Modifications 04/01/19 (19-011)  |
| 71111.19     | Post Maintenance Testing 06/07/18 (18-014)   |
| 71111.20     | Refueling and Other Outage Activities 12/20/18 (18-044)  |
| 71111.21M    | Design Bases Assurance Inspection (Teams) 12/08/16 (16-032)  |
| 71111.21N    | Design Bases Assurance Inspection (Programs) 02/05/19 (19-005)   |
| 71111.21N.02 | Design Basis Capability of power Operated Valves Under 10 CFR 50.55a<br>Requirements 07/26/19 (19-024)                 |
| 71111.21N.05 | Fire Protection Team Inspection (FPTI) 06/12/19 (19-019)   |
| 71111.22     | Surveillance Testing 11/19/18 (18-039)   |
| 71113        | RESERVED for Review of License Renewal Commitments for Plants in<br>Timely Renewal                                     |
| 71114        | Reactor Safety-Emergency Preparedness 05/29/12 (12-008)  |
| 71114.01     | Exercise Evaluation 07/21/16 (16-017)  |
| 71114.02     | Alert and Notification System Evaluation 07/21/16 (16-017)   |
| 71114.03     | Emergency Response Organization Staffing and Augmentation System<br>07/21/16 (16-017)                                  |
| 71114.04     | Emergency Action Level and Emergency Plan Changes<br>07/21/16 (16-017)   |
| 71114.05     | Maintenance of Emergency Preparedness 07/21/16 (16-017))   |
| 71114.06     | Drill Evaluation 07/21/16 (16-017)   |
| 71114.07     | Exercise Evaluation-Hostile Action (HA) Event 07/21/16 (16-017)  |
| 71114.08     | Exercise Evaluation-Scenario Review 07/21/16 (16-017)  |
| 71124        | Radiation Safety - Public and Occupational 12/21/17 (17-031)   |
| 71124.01     | Radiological Hazard Assessment and Exposure Controls<br>12/21/17 (17-031)  |
| 71124.02     | Occupational ALARA Planning and Controls 12/21/17 (17-031)   |
| 71124.03     | In-Plant Airborne Radioactivity Control and Mitigation 12/21/17 (17-031)   |
| 71124.04     | Occupational Dose Assessment 12/21/17 (17-031)   |
| 71124.05     | Radiation Monitoring Instrumentation 04/01/16 (17-031)   |
| 71124.06     | Radioactive Gaseous and Liquid Effluent Treatment 12/21/17 (17-031)  |
| 71124.07     | Public Radiation Safety 12/21/17 (17-031)  |
| 71124.08     | Radioactive Solid Waste Processing and Radioactive Material Handling,<br>Storage, and Transportation 12/21/17 (17-031) |
| 71130        | Security 08/23/18 (18-028)   |
| 71130.01     | Access Authorization 09/30/16 (16-024)   |
| 71130.02     | Access Control 09/30/16 (16-024)   |
| 71130.03     | Contingency Response - Force-On-Force Testing 12/22/16 (16-035)  |

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| 71130.04  | Equipment Performance, Testing and Maintenance 09/30/16 (16-024)                                    |
| 71130.05  | Protective Strategy Evaluation and Performance Evaluation Program<br>12/10/18 (18-042)              |
| 71130.06  | Protection of Safeguards Information 09/30/16 (16-024)  |
| 71130.07  | Security Training 09/30/16 (16-024)   |
| 71130.08  | Fitness for Duty Program 10/22/18 (18-035)  |
| 71130.10P | Cyber Security 05/15/17 (17-010)  |
| 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 09/12/17 (17-018)   |
| 71150     | Discrepant or Unreported Performance Indicator Data 04/30/19 (19-013)                               |
| 71151     | Performance Indicator Verification 05/03/17 (17-009)  |
| 71152     | Problem Identification and Resolution 02/26/15 (15-003)   |
| 71153     | Follow-up of Events and Notices of Enforcement Discretion<br>10/03/18 (18-034)                      |
| 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<br>Permanently Shutdown Reactors 08/11/97 (97-012) |
| 71841     | Human Performance 12/12/00 (00-027)   |

## 7200 Startup Testing

|       |  |
|-------|--|
| 72303 | Startup Testing for ABWR: Test Procedure Review, Test Witnessing, and<br>Test Results Evaluation 09/05/06 (06-021) |
| 72304 | AP1000 Startup Test Inspections 02/28/19 (19-009)  |
| 72401 | Part 52, Inspection of Startup Test Program 06/24/14 (14-014)  |
| 72501 | RESERVED for Part 52 Initial Fuel Load Procedure Review  |
| 72525 | RESERVED for Part 52 Initial Fuel Load Witnessing  |

## 7300 In-service Inspection

|       |  |
|-------|--|
| 73052 | In-service Inspection - Review of Procedures 01/14/86 (86-03)  |
| 73054 | Part 52, Pre-service and In-service Inspection - Review of Program<br>05/03/17 (17-009)  |
| 73753 | In-service Inspection 06/24/98 (98-010)  |
| 73754 | Part 52 - Preservice Inspection - Non-Destructive Examination<br>09/23/19 (19-029)   |
| 73755 | In-service Inspection - Data Review and Evaluation 10/27/10 (10-022)   |
| 73756 | In-service Testing of Pumps and Valves 07/27/95 (95-009)   |
| 73757 | Part 52 In-service Inspection - Data Review and Evaluation<br>09/23/19 (19-029)  |
| 73758 | Part 52, Functional Design and Qualification, and Preservice and<br>Inservice Testing Programs for Pumps, Valves and Dynamic Restraints<br>09/06/18 (18-030) |

7400 Reserved

7500 Reserved

7600 Reserved

7700 Reserved

7800 High Level Waste

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

7900 Water Chemistry

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

80211 RESERVED for Part 52 Environmental Protection - Initial & Periodic  
Inspection

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

81000 Security 01/29/19 (19-004)

81000.01 Access Authorization 04/01/19 (19-011)

81000.02 Access Control 04/01/19 (19-011)

81000.03 Performance Evaluation Program 09/07/12 (12-020)

81000.04 Equipment Performance, Testing and Maintenance 07/01/19 (19-020)

81000.05 Protective Strategy Evaluation 09/24/19 (19-030)

81000.06 Protection of Safeguards Information 02/13/19 (19-007)

81000.07 Security Training 09/24/19 (19-030)

81000.08 Fitness for Duty Operational Program 09/07/12 (12-020)

81000.09 Cyber Security Inspection for Construction 09/30/16 (16-025)

81000.10 Security Organization, Management Effectiveness, Program Reviews and  
Audits 09/07/12 (12-020)

81000.11 Material Control and Accounting 09/07/12 (12-020)

|          |   |
|----------|---|
| 81000.14 | Review of New Reactor Target Sets 01/29/19 (19-004)   |
| 81072    | Access Control (Power Reactor) - Packages 05/09/84 (84-15)  |
| 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) |
| 81200    | Security 08/27/14 (14-019)  |
| 81200.01 | Access Authorization for Decommissioning Nuclear Power Reactors 10/21/14 (14-025)   |
| 81200.02 | Access Control for Decommissioning Nuclear Power Reactors 08/27/14 (14-019)   |
| 81200.03 | RESERVED for Decommissioning Force-on-Force Testing   |
| 81200.04 | Equipment Performance, Testing, and Maintenance for Decommissioning Nuclear Power Reactors 08/27/14 (14-019)  |
| 81200.05 | Protective Strategy Evaluation and Performance Evaluation Program for Decommissioning Nuclear Power Reactors 10/21/14 (14-025)  |
| 81200.06 | Protection of Safeguards Information for Decommissioning Nuclear Power Reactors 08/27/14 (14-019)   |
| 81200.07 | Security Training for Decommissioning Nuclear Power Reactor 10/21/14 (14-025)   |
| 81200.08 | RESERVED for Decommissioning Fitness for Duty Program   |
| 81200.10 | RESERVED for Decommissioning Cyber Security   |
| 81200.11 | RESERVED for Decommissioning Material Control and Accounting  |
| 81200.14 | Review of Decommissioning Target Sets 01/15/14 (14-001)   |
| 81310    | Physical Protection of Shipments of Irradiated Fuel 12/22/08 (08-037)   |
| 81311    | Physical Security Requirements for Independent Spent Fuel Storage Installations 02/08/19 (19-006)   |
| 81335    | Physical Protection of Shipments of Special Nuclear Material of Moderate Strategic Significance (SNM-MSS) 12/02/09 (09-029)   |
| 81340    | Physical Protection of Shipments of Special Nuclear Material of Low Strategic Significance (SNM-LSS) 11/23/09 (09-028)  |
| 81360    | General Requirements for Physical Protection of Formula Quantities of Special Nuclear Material in Transit 12/02/09 (09-029)   |
| 81365    | Records, Reports, and Planning for Physical Protection of Formula Quantities of Special Nuclear Material in Transit 11/23/09 (09-028)   |
| 81370    | Specific Requirements for Physical Protection of Formula Quantities of Special Nuclear Materials in Transit 12/22/08 (08-037)   |
| 81402    | Reports of Safeguards Events 11/23/09 (09-028)  |
| 81411    | Physical Protection for Reactors with Formula Quantities of Special Nuclear Material 11/04/85 (85-34)   |
| 81421    | Fixed Site Physical Protection of Special Nuclear Material of Moderate Strategic Significance 11/23/09 (09-028)   |
| 81431    | Fixed Site Physical Protection of Special Nuclear Material of Low Strategic Significance 10/24/12 (12-025)  |
| 81501    | Personnel Training and Qualification - General Requirements 12/02/09 (09-029)   |
| 81504    | Fitness for Duty Program for Construction 10/15/09 (09-024)   |
| 81505    | Protection of Safeguards Information for Construction 02/13/19 (19-007)   |
| 81700.01 | Category I Fuel Cycle Facility Strategic Special Nuclear Material Security Controls 05/15/17 (17-010)   |



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| 81700.02 | Category I Fuel Cycle Facility Access Control Measures<br>05/15/17 (17-010)  |
| 81700.04 | Category I Fuel Cycle Facility Security Equipment Performance, Testing<br>and Maintenance 05/15/17 (17-010)                                    |
| 81700.05 | Category I Fuel Cycle Facility Physical Protection Program and Protective<br>Strategy 05/15/17 (17-010)  |
| 81700.06 | Licensee Conducted Force-on-Force Exercises at Category I Fuel Cycle<br>Facilities 10/27/17 (17-023)   |
| 81700.07 | Category I Fuel Cycle Facility Security Training 05/15/17 (17-010)   |
| 81700.08 | Category I Fuel Cycle Facility Fitness-for-Duty Programs<br>05/15/17 (17-010)  |
| 81700.09 | Security Measures for Licensed Facilities 10/26/15 (15-021)  |
| 81700.10 | Protection of Safeguards Information at Category I Fuel Cycle Facilities<br>05/15/17 (17-010)  |
| 81700.11 | Annual Observation of Licensee Conducted Force-on-Force Exercises at<br>Category I Fuel Cycle Facilities 10/27/17 (17-023)                     |
| 81810    | Protection of Safeguards Information 09/10/07 (07-027)   |
| 81811    | Protection of Safeguards Information By Design Certification Applicants<br>and Vendors 09/06/16 (16-022)                                       |
| 81815    | Authorization for Access to National Security Information<br>(NSI) and Restricted Data (RD) 06/27/14 (14-014)                                  |
| 81820    | Physical Protection Facility Approval and Safeguarding<br>of National Security Information (NSI) and Restricted<br>Data (RD) 06/27/14 (14-014) |

## 8200 Emergency Planning

|          |  |
|----------|--|
| 82001    | Evaluation of Emergency Preparedness 05/22/00 (00-010)   |
| 82002    | Part 52, Emergency Preparedness Program 14/28/14 (14-026)  |
| 82002.01 | Facilities and Equipment 11/08/11 (11-030)   |
| 82002.02 | Procedure Quality 11/08/11 (11-030)  |
| 82002.03 | Review of Exercise Objectives and Exercise Scenario for Power Reactors<br>11/08/11 (11-030)  |
| 82002.04 | Emergency Preparedness Exercises 11/08/11 (11-030)   |
| 82002.05 | Emergency Response Organization On-Shift Staffing and Augmentation<br>Drills 11/08/11 (11-030)   |
| 82002.06 | Emergency Response Organization, Dose Assessment Drills<br>11/08/11 (11-030)   |
| 82002.07 | Operational Status of the Emergency Preparedness Program<br>11/08/11 (11-030)  |
| 82002.08 | Inspection of Site Specific Implementation of 10 CFR 50.54(hh)(2)<br>Mitigating Strategies for Nuclear Power Plants Referencing the AP1000<br>Certified Design 09/17/18 (18-031) |
| 82201    | Emergency Detection and Classification 03/23/05 (05-008)   |
| 82202    | Protective Action Decision Making 03/23/05 (05-008)  |
| 82301    | Evaluation of Exercises for Power Plants 04/24/13 (13-012)   |
| 82302    | Review of Exercise Objectives and Scenarios for Power Reactors<br>04/24/13 (13-012)  |
| 82401    | Decommissioning Emergency Preparedness Scenario Review and<br>Exercise Evaluation 09/04/14 (14-020)  |

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| 82501 | Decommissioning Emergency Preparedness Program Evaluation<br>09/04/14 (14-020) |
| 82701 | Operational Status of the Emergency Preparedness Program<br>04/24/13 (13-012)  |

## 8300 Radiation Protection

|          |  |
|----------|--|
| 83100    | Occupational Exposure During SAFSTOR and DECON<br>12/30/91 (91-022)  |
| 83311    | RESERVED for Part 52, Radiation Protection During Construction   |
| 83501    | Significant Uncontrolled Radiation Exposures 04/17/00 (00-006)   |
| 83502.01 | Radioactive Gaseous and Liquid Treatment and Monitoring<br>Systems 04/17/00 (00-006)   |
| 83502.02 | Radioactive Material Process and Transportation 04/17/00 (00-006)  |
| 83502.03 | Radiological Environmental Monitoring Program and<br>Radioactive Material Control Program 04/17/00 (00-006)  |
| 83523    | Radiation Protection, Plant Chemistry, Radwaste, Transportation and<br>Environmental: Training and Qualifications 01/01/84<br>(reactivated 08-032) |
| 83527    | Facilities and Equipment (Preoperational and Supplemental) 01/01/84<br>(reactivated 08-032)  |
| 83529    | RESERVED for Part 52 Radiation Protection – Startup  |
| 83531    | Part 52 Life Cycle Minimization of Contamination and Groundwater<br>Protection Program 12/21/16 (16-035)   |
| 83532    | RESERVED for Part 52 Radiation Protection, Plant Chemistry, and<br>Radwaste Training   |
| 83533    | Part 52 External Occupational Exposure Control and Personal Dosimetry<br>10/27/10 (10-022)   |
| 83534    | Part 52, Internal Exposure Control and Assessment 10/27/10 (10-022)  |
| 83535    | Part 52, Control of Radioactive Materials and Contamination, Surveys,<br>and Monitoring 10/27/10 (10-022)  |
| 83536    | Part 52 Facilities and Equipment 10/27/10 (10-022)   |
| 83537    | Part 52 Maintaining Occupational Exposures ALARA 10/27/10 (10-022)   |
| 83722    | Radiation Protection, Plant Chemistry, and Radwaste: Organization and<br>Management Controls (Minimum/Basic) 09/17/01 (01-017)                     |
| 83723    | General Employee, Radiation Safety, Plant Chemistry,<br>Radwaste, and Transportation Training 12/16/03 (03-041)                                    |
| 83724    | External Occupational Exposure Control and Personal<br>Dosimetry 04/17/00 (00-006)   |
| 83725    | Internal Exposure Control and Assessment 04/17/00 (00-006)   |
| 83726    | Control of Radioactive Materials and Contamination, Surveys and<br>Monitoring 11/13/14 (14-027)  |
| 83728    | Maintaining Occupational Exposures ALARA 04/17/00 (00-006)   |
| 83729    | Occupational Exposure during Extended Outages 12/31/91 (91-021)  |
| 83746    | Part 52 Offsite Dose Calculation Manual (ODCM) 07/29/08 (08-021)   |
| 83750    | Occupational Radiation Exposure 06/06/02 (02-023)  |
| 83801    | Inspection of Remedial and Final Surveys at Permanently<br>Shutdown Reactors 07/26/16 (16-018)   |
| 83822    | Radiation Protection 09/07/00 (00-016)   |
| 83890    | Closeout Inspection and Survey 05/01/03 (03-013)   |

## 8400 Radioactive Waste Management

|       |   |
|-------|---|
| 84100 | Special Nuclear Material Inspections At Near Surface Low-Level Waste Disposal Facilities In Agreement States 11/27/01 (01-028)                        |
| 84101 | Radioactive Waste Management 12/30/91 (91-022)  |
| 84522 | Solid Wastes (Preoperational and Supplemental)<br>01/01/84 (reactivated 08-032)   |
| 84525 | Quality Assurance and Confirmatory Measurements for In-Plant Radiochemical Analysis (Preoperational and Supplemental)<br>5/23/85 (reactivated 08-032) |
| 84526 | RESERVED for Part 52 Radwaste – Startup   |
| 84527 | Part 52, Solid Waste Management System 07/01/08 (08-019)  |
| 84528 | Part 52 Liquid Waste Management Program 10/19/16 (16-027)   |
| 84529 | Part 52, Gaseous Waste Management Program 10/19/16 (16-027)   |
| 84750 | Radioactive Waste Treatment, and Effluent and Environmental Monitoring 03/15/94 (94-006)  |
| 84850 | Radioactive Waste Management - Inspection of Waste Generator Requirements of 10 CFR 20 and 10 CFR 61 12/22/08 (08-037)                                |
| 84900 | Low-Level Radioactive Waste Storage 12/22/08 (08-037)<br>(Preoperational and Supplemental)  |

## 8500 Material Control and Accountability

|       |  |
|-------|--|
| 85102 | Material Control and Accounting - Reactors 03/29/85 (85-10)  |
| 85103 | Material Control and Accounting at Decommissioning Power Reactors<br>07/03/18 (18-019)                             |
| 85200 | MC&A for Licensees Possessing Less Than or Equal to One Effective Kilogram of SNM 04/10/85 (85-15)                 |
| 85203 | Management Structure and Controls 08/10/16 (16-020)  |
| 85205 | Facility Operations and Internal Controls 08/10/16 (16-020)  |
| 85207 | Measurement Systems 01/17/86 (86-04)   |
| 85209 | Measurement Control and Statistics 04/10/85 (85-15)  |
| 85211 | Physical Inventory 01/17/86 (86-04)  |
| 85303 | Material Control and Accounting Management Structure and Personnel<br>Training and Qualification 08/10/16 (16-020) |
| 85305 | Item Monitoring 11/15/16 (16-030)  |
| 85307 | Process Monitoring 11/15/16 (16-030)   |
| 85309 | Measurement Systems and Control 10/20/10 (10-021)  |
| 85311 | Physical Inventory Program 11/15/10 (10-023)   |
| 85313 | Alarm Resolution Program 11/15/16 (16-030)   |
| 85315 | Internal Control 12/21/2010 (10-027)   |
| 85401 | Management Structure 11/15/16 (16-030)   |
| 85402 | Measurement Program 10/20/10 (10-021)  |
| 85403 | Measurement Control Program 10/20/10 (10-021)  |
| 85404 | Physical Inventory Program for Low Enriched Uranium Fuel Facilities<br>11/15/10 (10-023)                           |
| 85405 | Item Control 09/09/10 (10-019)   |
| 85406 | Resolution Program for Low Enriched Uranium Fuel Facilities<br>11/15/10 (10-023)                                   |
| 85407 | Assessment Program 11/29/10 (10-024)   |

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| 85408 | Recordkeeping 11/29/10 (10-024)  |
| 85420 | Inspection of IAEA Safeguards for Inspectors at Power Reactors 06/22/88 (88-007) |
| 85501 | Physical Inventory Program for Uranium Enrichment Facilities 11/15/10 (10-023)   |
| 85502 | Detection Program for Uranium Enrichment Facilities 12/21/10 (10-027)            |
| 85503 | Resolution Program for Uranium Enrichment Facilities 11/15/10 (10-023)           |

#### 8600 Spent Fuel and Other Radioactive Material Packaging and Shipping

|       |   |
|-------|---|
| 86001 | Design, Fabrication, Testing, and Maintenance of Transportation Packagings 01/16/08 (08-003)        |
| 86730 | Transportation of Radioactive Materials (49 CFR Parts 100-179 and 10 CFR Part 71) 04/17/00 (00-006) |
| 86740 | Inspection of Transportation Activities 10/30/08 (08-030)   |
| 86750 | Solid Radioactive Waste Management and Transportation of Radioactive Materials 03/15/94 (94-006)    |

#### 8700 Materials Safety Inspection

|       |   |
|-------|---|
| 87102 | Maintaining Effluents from Materials Facilities As Low As Is Reasonably Achievable (ALRA) 04/04/00 (00-005)   |
| 87103 | Inspection of Material Licensees Involved in an Incident or Bankruptcy Filing 11/03/00 (00-023)   |
| 87104 | Decommissioning Inspection Procedure for Materials Licensees 07/29/02 (02-029)  |
| 87121 | Industrial Radiography Programs 12/17/14 (14-030)   |
| 87122 | Irradiator Programs 12/31/02 (02-047)   |
| 87123 | Well Logging Programs 07/02/19 (19-021)   |
| 87124 | Fixed and Portable Gauge Programs 11/25/03 (03-037)   |
| 87125 | Materials Processor/Manufacturer Programs 09/28/05 (05-027)   |
| 87126 | Industrial/Academic/Research Programs 09/28/05 (05-027)   |
| 87127 | Radiopharmacy Programs 07/01/08 (08-018)  |
| 87128 | Manufacturing and Distribution of Exempt Products 08/07/19 (19-026)   |
| 87129 | Master Materials Program 09/15/03 (03-034)  |
| 87130 | Nuclear Medicine Programs, Written Directive Not Required 10/24/02 (02-041)   |
| 87131 | Nuclear Medicine Programs, Written Directive Required 08/24/11 (11-014)   |
| 87132 | Brachytherapy Programs 02/26/15 (15-003)  |
| 87133 | Medical Gamma Stereotactic Radiosurgery and Teletherapy Programs 08/24/11 (11-014)  |
| 87134 | Medical Broad-Scope Programs 08/24/11 (11-014)  |
| 87137 | 10 CFR Part 37 Materials Security Programs 04/03/14 (14-009)  |
| 87138 | RESERVED for 10 CFR Part 37, "Physical Protection Of Category 1 And Category 2 Quantities Of Radioactive Material At Facilities With A 10 CFR Part 73 Physical Protection Program |
| 87250 | Locating Missing Materials Licensees 10/29/01 (01-022)  |

87654            Uranium Mill, In-Situ Uranium Recovery, and 11e.(2) Byproduct  
Material Site Decommissioning Inspection 03/19/02 (02-010)

8800    Fuel Facility Inspection

88001            On-Site Construction 04/15/94 (94-011)  
88003            Reactive Inspection for Events at Fuel Cycle Facilities  
                    03/16/15 (15-004)  
88004            RESERVED for Adverse Weather Protection  
88005            Management Organization and Controls 09/05/06 (06-020)  
88010            Training 02/07/14 (14-005)  
88015            Nuclear Criticality Safety 08/11/15 (15-0215)  
88020            Operational Safety 10/01/18(18-033)  
88025            Maintenance and Surveillance Testing 01/23/14 (14-003)  
88030            Radiation Protection 03/06/14 (14-007)  
88035            Radioactive Waste Management 02/07/14 (14-005)  
88045            Effluent Control and Environmental Protection 02/07/14 (14-005)  
88050            Emergency Preparedness 03/06/14 (14-007)  
88051            Evaluation of Exercises and Drills 03/06/14 (14-007)  
88054            Fire Protection (Triennial) 03/06/14 (14-007)  
88055            Fire Protection (Annual) 10/01/18 (18-033)  
88070            Plant Modification 08/21/18 (18-027)  
88071            Configuration Management Program 03/06/14 (14-007)  
88072            Plant Modifications (Triennial) 08/21/18 (18-027)  
88075            Event Follow-up 03/16/15 (15-004)  
88100            Plant Operations 12/30/96 (96-026)  
88101            Configuration Control 12/30/96 (96-026)  
88102            Surveillance Observations 12/30/96 (96-026)  
88103            Maintenance Observations 12/30/96 (96-026)  
88104            Decommissioning Inspection Procedure for Fuel Cycle Facilities  
                    07/03/02 (02-026)  
88106            Quality Assurance: Program Development and Implementation  
                    (Pre-licensing and Construction) 02/07/07 (07-006)  
88107            Quality Assurance: Design and Documentation Control (Pre-licensing and  
                    Construction) 05/18/05 (05-013)  
88108            Quality Assurance: Control of Materials, Equipment, and Services  
                    (Pre-licensing and Construction) 02/07/07 (07-006)  
88109            Quality Assurance: Inspection, Test Control, and Control of Measuring  
                    and Test Equipment (Pre-licensing and Construction) 06/20/07 (07-020)  
88110            Quality Assurance: Problem Identification, Resolution and Corrective  
                    Action 05/18/05 (05-013)  
88111            10 CFR, Part 21, Inspection-Facility Construction 02/07/07 (07-006)  
88112            RESERVED for Software Validation  
88113            Control of the Electronic Management of Data 02/07/07 (07-006)  
88114            Quality Affecting Item Procurement (10 CFR Part 21) and Commercial  
                    Grade Item Dedication Process [Reactive] 10/25/06 (06-030)  
88115            Supplier/Vendor Inspection (Construction Phase) 10/25/06 (06-030)  
88117            Facility Changes (License Application) and Change Process (10 CFR  
                    70.72) (Pre-Licensing and Construction) 09/20/16 (16-023)

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| 88120    | RESERVED Draft Construction and Operational Readiness Inspections for the Internal Isotopes Uranium Deconversion Facility      |
| 88121    | RESERVED for Draft Operational Readiness Reviews for Uranium Deconversion Facilities   |
| 88130    | Resident Inspection Program for On-Site Construction Activities at the Mixed Oxide Fuel Fabrication Facility 03/02/16 (16-009) |
| 88131    | Geotechnical/Foundation Activities 10/25/06 (06-030)   |
| 88132    | Structural Concrete Activities 10/25/06 (06-030)   |
| 88133    | Structural Steel and Supports Activities 7/25/07 (07-023)  |
| 88134    | Quality Assurance: Piping Relied on for Safety 05/18/05 (05-013)   |
| 88135    | Resident Inspection Program for Category I Fuel Cycle Facilities 02/07/14 (14-005)   |
| 88135.02 | Resident Inspection Program Plant Status Activities 05/21/15 (15-010)  |
| 88135.04 | Resident Inspection Program Integrated Safety Analysis Implementation 10/01/18 (18-033)  |
| 88135.05 | Resident Inspection Program Fire Protection (Annual/Quarterly) 10/01/18 (18-033)   |
| 88135.17 | Permanent Plant Modifications 01/31/14 (14-004)  |
| 88135.19 | Post Maintenance Testing 01/31/14 (14-004)   |
| 88135.22 | Surveillance Testing 01/31/14 (14-004)   |
| 88136    | Mechanical Components 7/25/07 (07-023)   |
| 88137    | Electric Cable 04/01/10 (10-010)   |
| 88138    | Electrical Components and Systems 08/08/07 (07-024)  |
| 88139    | Ventilation and Confinement Systems 08/08/07 (07-024)  |
| 88140    | Instrumentation and Controls Systems 04/01/10 (10-010)   |
| 88141    | Fire Prevention and Protection 08/08/07 (07-024)   |
| 88142    | Underground Fire Water Loop and Equipment Installation 08/08/07 (07-024)   |
| 88143    | Pipe Supports and Restraints 7/25/07 (07-023)  |
| 88150    | RESERVED for Training and Qualification of Plant Personnel   |
| 88151    | RESERVED for Facility Changes and Change Process (10 CFR70.72)   |
| 88152    | RESERVED for Physical Protection Equipment and Barriers  |
| 88153    | RESERVED for Material Control and Accounting   |
| 88154    | RESERVED for Fire Safety and Protection Systems  |
| 88155    | RESERVED for Functional Verifications of IROFS   |
| 88156    | RESERVED for Integrated Safety Analysis Implementation   |
| 88157    | RESERVED for Waste Management Equipment and Systems  |
| 88158    | RESERVED for Environmental Protection - Initial and Periodic Inspections   |
| 88159    | RESERVED for Process Enclosures and Vessels  |
| 88160    | RESERVED for Utilities and Bulk Chemicals  |
| 88161    | Corrective Action Program (CAP) Implementation at Fuel Cycle Facilities 07/28/14 (14-017)                                      |

8900 Fuel Facility and Materials Special Program

|       |  |
|-------|--|
| 89001 | In-Situ Leach (ISL) Facilities 09/02/97 (97-013) |
|-------|--|

9000 Reportable Matters and Report Reviews

|       |   |
|-------|---|
| 90001 | Construction Regulatory Response Column Inspections 10/27/10 (10-022)                                   |
| 90002 | Construction Degraded Performance Column Inspections 10/28/14 (14-026)                                  |
| 90003 | Construction Multiple/Repetitive Degraded Cornerstone Column Inspection 10/28/14 (14-026)               |
| 90502 | RESERVED for Part 52 Reportable Matters - Test Program  |
| 90700 | Feedback of Operational Experience Information at Operating Power Reactors 03/23/05 (05-008)            |
| 90712 | In-office Review of Written Reports of Non-routine Events at Power Reactor Facilities 12/31/98 (98-020) |
| 90713 | In Office Review of Periodic and Special Reports 09/17/01 (01-017)                                      |
| 90714 | Non-routine Reporting Program 09/17/01 (01-017)   |

9100 Title 10 Requirements

9200 Planned Non-Routine Activities

|       |   |
|-------|---|
| 92050 | Review of Quality Assurance for Extended Construction Delay 04/04/00 (00-005)   |
| 92700 | Onsite Follow-up of Written Reports of Non-routine Events at Power Reactor Facilities 12/31/98 (98-020)   |
| 92701 | Follow-up 03/13/07 (07-010)   |
| 92702 | Follow-up on Traditional Enforcement Actions Including Violations, Deviations, Confirmatory Action Letters, Confirmatory Orders, and Alternative Dispute Resolution Confirmatory Orders 01/10/08 (08-001) |
| 92703 | Follow-up of Confirmatory Action Letters 05/13/09 (09-012)  |
| 92709 | Licensee Strike Contingency Plans 05/16/19 (19-015)   |
| 92711 | Continued Implementation of Strike Plans During an Extended Strike 05/16/19 (19-015)  |
| 92712 | Resumption of Normal Operations after a Strike 05/16/19 (19-015)  |
| 92714 | RESERVED for Part 52 Follow-up  |
| 92720 | Corrective Action 09/28/98 (reactivated 07-034)   |
| 92721 | RESERVED for Part 52 Follow-up on Corrective Actions for Violations and Deviations  |
| 92722 | Follow up Inspection for Any Severity Level I or II Traditional Enforcement Violation or for Two or More Severity Level III Traditional Enforcement Violations in a 12-Month Period 08/11/09 (09-020)     |
| 92723 | Follow up Inspection for Three or More Severity Level IV Traditional Enforcement Violations in the Same Area in a 12-Month Period 08/11/09 (09-020)   |
| 92901 | Follow-up - Plant Operations 09/17/01 (01-017)  |
| 92902 | Follow-up - Maintenance 09/17/01 (01-017)   |
| 92903 | Follow-up - Engineering 09/17/01 (01-017)   |
| 92904 | Follow-up - Plant Support 09/17/01 (01-017)   |

9300 Non-Routine Activities

|       |   |
|-------|---|
| 93002 | Managing Fatigue 09/17/19 (19-027)  |
| 93100 | Safety-Conscious Work Environment Issue of Concern Follow-up<br>07/26/18 (18-022)     |
| 93702 | Prompt Onsite Response to Events at Operating Power<br>Reactors 09/17/01 (01-017)     |
| 93800 | Augmented Inspection Team 04/02/19 (19-012)   |
| 93801 | Safety System Functional Inspection (SSFI) 07/25/96 (96-016)                          |
| 93802 | Operational Safety Team Inspection (OSTI) 11/27/89 (89-015)                           |
| 93803 | Safety Systems Outage Modifications Inspection 04/27/89 (89-008)                      |
| 93804 | Risk-Based Operational Safety and Performance Inspection<br>01/15/92 (92-001)         |
| 93805 | Maintenance Program 08/06/93 (93-070)   |
| 93806 | Operational Readiness Assessment Team Inspections 09/29/98 (98-015)                   |
| 93807 | Systems Based Instrumentation and Control Inspection 01/29/93 (93-001)                |
| 93810 | Service Water System Operational Performance Inspection<br>(SWSOPI) 09/14/98 (98-013) |
| 93811 | Electrical Distribution System Functional Inspection (EDSFI)<br>02/03/99 (99-002)     |
| 93812 | Special Inspection 04/02/19 (19-012)  |
| 93813 | RESERVED for Part 52 Operational Readiness Assessment Team<br>Inspection              |

9400 Technical Activities of an Administrative Nature

|       |   |
|-------|---|
| 94301 | RESERVED for Part 52 Status of 10 CFR 52 Plant Readiness for Fuel<br>Load |
|-------|---|

9500 Strategic Determination Actions

|          |   |
|----------|---|
| 95001    | Supplemental Inspection for One or Two White Inputs in a Strategic<br>Performance Area 08/24/16 (16-021)  |
| 95002    | Supplemental Inspection for One Degraded Cornerstone or Any Three<br>White Inputs in a Strategic Performance Area 02/09/11 (11-001)                           |
| 95003    | Supplemental Inspection for Repetitive Degraded Cornerstones, Multiple<br>Degraded Cornerstones, Multiple Yellow Inputs or<br>One Red Input 12/18/15 (15-031) |
| 95003.01 | Emergency Preparedness 01/15/09 (09-002)  |
| 95003.02 | Guidance for Conducting an Independent NRC Safety Culture<br>Assessment) 04/01/19 (19-011)  |

9600 Materials Safety and Security

|       |   |
|-------|---|
| 96001 | NRC Force-on-Force Inspections at Category 1 Fuel Cycle Facilities<br>03/11/19 (19-010) |
|-------|---|



9700 Reserved

9800 Reserved

9900 Guidance<sup>2</sup>

9900 Technical Guidance 05/12/86 (86-26)

## **PART** **GUIDANCE**

### **Technical Guidance**

|                   |  |
|-------------------|--|
| ASME Section III  | American Society of Mechanical Engineers ASME Boiler and Pressure Vessel Code, Section III 06/16/89 (89-011)           |
| 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)   |
| STS Sec 1.0       | Operability 05/12/86 (86-26)   |
| STS Sec 1.0       | Definitions 12/08/86 (86-54)   |
| STS Sec 3.0       | Acceptable Measurement Tolerances for Technical Specification Limits 10/01/78 (78-35)                                  |
| STS Sec 3/4.6.4   | Containment and Drywell Isolation Valves 06/09/88 (88-06)  |
| STS Sec 3.7.5     | Ultimate Heat Sink 11/25/88 (88-17)  |
| STS Sec 3/4.8.1   | TDI Diesel Generator Air Roll Tests 06/09/88 (88-06)   |
| STS Sec 4.2.8.X.X | Surveillance Requirements - 125-Volt Battery Bank 10/01/79 (79-22)   |
| STS Sec 4.5.1     | Standard Technical Specifications (BWR) 05/12/86 (86-26)   |
| STS Sec 4.8.1.1.2 | Surveillance Testing of Diesel Generator Lockout Feature 05/12/86 (86-26)  |
| STS               | Surveillance Sections - Locked or Otherwise Secured Components 10/01/77 (77-25)  |
| STS Interp        | Licensee Technical Specification Interpretations 02/03/97 (97-001)   |

### **Maintenance**

Voluntary Entry into Limiting Conditions for Operation Action Statements to Perform Preventive Maintenance 01/17/02 (02-001)  
Assessing On-Line Leak Sealing of ASME Code Class 1 & 2 07/15/97 (97-011)  
Filled Organic Coatings Used in Maintenance of Safety Related Equipment 10/11/94 (94-018)  
Preconditioning of Structures, Systems, and Components (SSCs)

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<sup>2</sup> [XXXX.XX] attached to each document in Part 9900, is the file name for that document.

Before Determining Operability 09/28/98 (98-014) [PRECOND.TG]

## Mechanical

Freeze Plugs 06/14/93 (93-005)  
Steam Generator Plugs and Sleeving Repairs 08/01/94 (94-014)  
Steam Generator Tube-to-Secondary Leakage 09/09/03 (03-033)  
[TG\_Mech SGTUBELKG.wpd]  
Ice Condenser System Inspections 06/06/05 (05-015)

## Operations

Notice of Enforcement Discretion for Gaseous Diffusion Plants  
05/03/99 (99-008) [NOEDGAS.TG]  
Operation - Safety and Compliance 09/11/07 (07-028)  
[TG 9900 SAFETY]

## **PART**

### **10 CFR GUIDANCE**

|                               |   |
|-------------------------------|---|
| 10                            | Title 10 of the Code of Federal Regulations 12/08/86 (86-54)                              |
| 10 CFR71 and<br>49 CFR171-178 | Transportation of Radioactive Material 12/01/04 (04-027)                                  |
| 50.55(e)                      | Construction Deficiency Reporting 01/31/89 (89-002)                                       |
| 50.55a                        | Codes and Standards 02/22/73 (73-9)   |
| 50.59                         | 10 CFR 50.59, Changes, Tests, and Experiments<br>03/13/01 (01-008) [50_59.CFR]            |
| Part 50, App A                | Definition of Leak-Before-Break Analysis 09/26/96 (96-020)                                |
| Part 50                       | Appendix J, Containment Integrated Leak Rate Testing<br>12/08/86 (86-54)                  |
| 70.51                         | Material Balance, Inventory, and Records Requirements<br>12/19/74 (74-11)                 |
| 70.52                         | Report of Accidental Criticality or Loss of Special Nuclear Material<br>11/15/74 (74-010) |

## Interpretations

END