

# NRC INSPECTION MANUAL

DRO

---

## TABLE OF CONTENTS

---

Table of Contents Current through Change Notice 22-017 issued 08/11/2022

### PART

#### CHAPTER

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

0040 Preparing, Revising, and Issuing Documents for the NRC Inspection Manual 07/23/20 (20-034)

0100 Program Responsibilities

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

0111 Region I Monitoring Activities for the Department of Energy West Valley Demonstration Project 09/09/20 (20-041)

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 06/28/21 (21-022)

0306 Planning, Scheduling, Tracking, and Reporting of the Reactor Oversight Process (ROP) 02/24/21 (21-010)

0307 Reactor Oversight Process Self-Assessment Program 05/03/22 (22-009)

0307, App A Reactor Oversight Process Self-Assessment Metrics and Data Trending 05/29/20 (20-025)

0307, App B Reactor Oversight Process Self-Assessment Baseline Inspection Program Monitoring and Comprehensive Review 08/08/22 (22-016)

0307, App C Reactor Oversight Process (ROP) Self-Assessment ROP Implementation Audit 05/29/20 (20-025)

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

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

---

<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. An "R" after the change notice number indicates that the document is designated Reference Only.

|                    |  |                   |
|--------------------|--|-------------------|
| 0308, Att 1        | Technical Basis for Performance Indicators   | 10/16/20 (20-051) |
| 0308, Att 2        | Technical Basis for Inspection Program   | 05/29/19 (19-017) |
| 0308, Att 3        | Technical Basis for Significance Determination Process   | 11/05/21 (21-037) |
| 0308, Att 3, App A | Technical Basis for the At-Power Significance Determination Process  | 11/30/20 (20-066) |
| 0308, Att 3, App B | Technical Basis for Emergency Preparedness Significance Determination Process  | 12/19/12 (12-029) |
| 0308, Att 3, App C | Technical Basis for Occupational Radiation Safety Significance Determination Process   | 07/28/05 (05-022) |
| 0308, Att 3, App D | Technical Basis for Public Radiation Safety Significance Determination Process   | 09/24/21 (21-032) |
| 0308, Att 3, App E | Technical Basis for the Baseline Security Significance Determination Process   | 01/31/22 (22-002) |
| 0308, Att 3, App F | Technical Basis Fire Protection Significance Determination Process (Supplemental Guidance for Implementing IMC 0609, Appendix F) At Power Operations | 05/02/18 (18-010) |
| 0308, Att 3, App G | Technical Basis for Shutdown Operations Significance Determination Process   | 01/11/22 (22-001) |
| 0308, Att 3, App H | Containment Integrity Significance Determination Process Technical Basis   | 10/27/20 (20-056) |
| 0308, Att 3, App I | Technical Basis for Operator Requalification Human Performance Significance Determination Process  | 07/28/05 (05-022) |
| 0308, Att 3, App J | Technical Basis for Steam Generator Tube Integrity Findings  | 07/06/11 (11-011) |
| 0308, Att 3, App K | Technical Basis for Maintenance Risk Assessment and Risk Management Significance Determination Process   | 10/16/20 (20-051) |
| 0308 Att 3 App L   | Technical Basis for Extensive Damage Mitigation Guidelines Significance Determination Process  | 12/07/21 (21-039) |
| 0308 Att 3 App M   | Technical Basis for the Significance Determination Process (SDP) Using Qualitative Criteria  | 01/10/19 (19-002) |
| 0308, Att 4        | Technical Basis for Assessment   | 06/01/22 (22-011) |
| 0308, Att 5        | Technical Basis for Enforcement  | 11/04/20 (20-057) |
| 0308, Att 6        | Basis Document for Security Cornerstone of the Reactor Oversight Process   | 11/09/20 (20-061) |
| 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 Cycle Facilities and Materials Licensees' Sites                                | 06/06/02 (02-023) |
| 0326               | Operability Determinations   | 09/30/19 (19-032) |
| 0327               | Steam Generator Tube Primary-to-Secondary Leakage  | 11/01/18 (18-037) |
| 0330               | Guidance for NRC Review of Licensee Draft Documents  | 07/08/96 (96-015) |
| 0335               | Changes, Tests, and Experiments  | 01/29/21 (21-007) |
| 0350               | Oversight of Reactor Facilities in a Shutdown Condition Due to Significant Performance and/or Operational Concerns                                   | 03/01/18 (18-006) |
| 0351               | Now IMC  | 0375              |

|                    |  |
|--------------------|--|
| 0375               | Implementation of the Reactor Oversight Process at Reactor Facilities in an Extended Shutdown Condition for Reasons Not Related to Performance 08/12/20 (20-038) |
| 0400               | <u>Enforcement Policy</u>  |
| 0500               | <u>Tracking Systems</u>  |
| 0600               | <u>Documentation of Program Findings</u>   |
| 0608               | Performance Indicator Program 02/05/19 (19-005)  |
| 0609               | Significance Determination Process 11/09/20 (20-061)   |
| 0609.01            | Significance and Enforcement Review Panel (SERP) Process 08/19/21 (21-028)   |
| 0609.02            | Process for Appealing NRC Characterization of Inspection Findings (SDP Appeal Process) 01/25/21 (21-006)   |
| 0609.03            | Senior Reactor Analyst and Risk Analyst Support Expectations 10/09/20 (20-050)   |
| 0609.04            | Initial Characterization of Findings 12/13/19 (19-040)   |
| 0609.05            | Inspection Finding Review Board 12/07/18 (18-041)  |
| 0609, App A        | The Significance Determination Process for Findings At-Power 11/30/20 (20-066)   |
| 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 09/24/21 (21-032)   |
| 0609, App E        | Security Significance Determination Process for Power Reactors 04/02/21 (21-018)   |
| 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 for New Reactors 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 Significance Determination Process 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<br>05/02/18 (18-010)  |
| 0609, App G        | Shutdown Operations Significance Determination Process<br>01/08/20 (01-004)   |
| 0609, App G, Att 1 | Shutdown Operations Significance Determination Process<br>Phase 1 Initial Screening and Characterization of Findings<br>05/20/22 (22-010) |
| 0609, App G, Att 2 | Phase 2 Significance Determination Process Template for<br>PWR During Shutdown 01/08/20 (20-004)  |
| 0609, App G, Att 3 | Phase 2 Significance Determination Process Template for<br>BWR During Shutdown 01/08/20 (20-004)  |
| 0609, App H        | Containment Integrity Significance Determination Process<br>03/23/20 (20-017)   |
| 0609, App I        | Licensed Operator Requalification Significance Determination Process<br>01/10/19 (19-001)   |
| 0609, App J        | Steam Generator Tube Integrity Findings Significance Determination<br>Process<br>10/16/20 (20-051)  |
| 0609, App K        | Maintenance Risk Assessment and Risk Management Significance<br>Determination Process 10/16/20 (20-051)                                   |
| 0609, App L        | Extensive Damage Mitigation Guidelines Significance Determination<br>Process 12/07/21 (21-039)  |
| 0609, App M        | Significance Determination Process Using Qualitative Criteria<br>01/10/19 (19-002)  |
| 0609 App N         | RESERVED SDP for ISFSI at Operating Plants  |
| 0610               | Nuclear Material Safety and Safeguards Inspection Reports<br>05/18/04 (04-014)  |
| 0611               | Power Reactor Inspection Reports 01/07/20 (20-003)  |
| 0611.02            | Guidance for Reactive Inspection Reports 06/07/22 (22-012)  |
| 0611, Exh 1        | Standard Reactor Inspection Report Outline 12/13/17 (17-029)  |
| 0611, Exh 2        | Inspection Report Documentation Matrix 12/13/17 (17-029)  |
| 0611, Exh 4        | Inspection Report Cover Letter Templates 10/09/19 (19-033)  |
| 0611, App A        | Acronyms Used in Inspection Reports 12/13/17 (17-029)   |
| 0611, App C        | Documenting Supplemental Inspections 10/21/20 (20-054)  |
| 0611, App D        | Guidance for Problem Identification and Resolution Inspection Reports<br>12/13/17 (17-029)  |
| 0612               | Issue Screening 12/12/19 (19-039)   |
| 0612, App B        | Issue Screening Directions 08/08/22 (22-016)  |
| 0612, App E        | Examples of Minor Issues 12/10/20 (20-070)  |
| 0612, App G        | Emergency Planning Cornerstone- Specific Supplemental Guidance for<br>Appendix B Screening Figures 1 and 2, 02/24/21 (21-010)             |
| 0613               | Power Reactor Construction Inspection Reports 11/04/20 (20-057)   |
| 0615               | Research and Test Reactor Inspection Reports<br>06/23/04 (04-018)   |
| 0616               | Fuel Cycle Safety and Safeguards Inspection Reports 04/01/21 (21-017)   |
| 0616, App B        | RESERVED Examples of Minor Violations   |
| 0617               | Vendor and Quality Assurance Implementation Inspection Reports<br>02/25/20 (20-011)   |
| 0620               | Inspection Documents and Records 07/09/21 (21-023)  |

|              |   |
|--------------|---|
| 0700         | <u>Communications with Licensees</u>  |
| 0730         | Generic Communications Regarding Materials and Fuel Cycle Issues<br>03/21/08 (08-011)   |
| 0800         | <u>Feedback - Improving the Regulatory Process</u>  |
| 0801         | Inspection Program Feedback Process 03/17/20 (20-016)   |
| 0802         | RESERVED for the Part 52 Program  |
| 0900         | <u>Reporting of Events/Incidents</u>  |
| 1000         | <u>Regional Office Program Interfaces</u>   |
| 1007         | Interfacing Activities between Regional Offices of NRC and<br>OSHA 05/06/16 (16-012)  |
| 1100         | <u>Notifications of Meetings and Conferences</u>  |
| 1120         | Preliminary Notifications 01/05/21 (21-001)   |
| 1200         | <u>Inspector Requirements</u>   |
| 1201         | Conduct of Employees 07/29/16 (16-019)  |
| 1202         | Senior Resident and Resident Inspector Site Turnover 06/28/18 (18-017)  |
| 1230         | Quality Assurance Program for Radiological Confirmatory<br>Measurements 10/01/83 (83-12)  |
| 1232         | Collection, Preparation, and Shipment of Independent<br>Measurement Samples 11/18/86 (86-52)  |
| 1240         | Unescorted Access at Commercial Nuclear Power Plants, Selected Fuel<br>Cycle Facilities, or Independent Spent Fuel Storage Installations 01/28/19<br>(19-003) |
| 1245         | Qualification Program for Reactor Inspectors 06/07/22 (22-012)  |
| 1245, Att 1  | General Overview of the Inspector Training and Qualification<br>Program 06/26/20 (20-026)   |
| 1245, Att 2  | Inspector Competencies 06/26/20 (20-026)  |
| 1245, App A  | Basic-Level Training and Qualification Journal 09/24/21 (21-032)  |
| 1245, App B  | General Proficiency-Level Training and Qualification Journal<br>09/24/21 (21-032)   |
| 1245, App C1 | Reactor Operations Inspector Technical Proficiency Training and<br>Qualification Journal 11/09/20 (20-061)  |
| 1245, App C2 | Reactor Engineering Inspector Technical Proficiency Training and<br>Qualification Journal 06/16/22 (22-013)   |
| 1245, App C3 | Health Physics Inspector Technical Proficiency Training and Qualification<br>Journal 02/20/17 (17-004)  |
| 1245, App C4 | Reactor Security Inspector Technical Proficiency Training and<br>Qualification Journal 11/18/20 (20-063)  |

- 1245, App C5 Research and Test Reactor Inspector Technical Proficiency Training and Qualification Journal 06/26/20 (20-026)
- 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 09/24/21 (21-032)
- 1245, App C8 Vendor Inspector Technical Proficiency Training and Qualification Journal 03/27/20 (20-018)
- 1245, App C9 Senior Reactor Analyst Training and Qualification Program 06/26/20 (20-026)
- 1245, App C10 Operator Licensing (OL) Examiner Technical Proficiency Training and Qualification Journal 09/29/21 (21-033)
- 1245, App C11 Security Risk Analyst Technical Proficiency Training and Qualification Journal 11/05/20 (20-059)
- 1245, App C12 Safety Culture Assessor Training and Qualification Journal 01/13/20 (20-005)
- 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 04/22/21 (21-019)
- 1245 App C16 Research and Test Reactor Operator Licensing Examiner Technical Proficiency Training and Qualification Journal 09/09/21 (21-030)
- 1245, App D1 Maintaining Qualifications 08/11/22 (22-017)
- 1245, App D2 Inservice Inspection Advanced-Level Training 06/26/20 (20-026)
- 1245, App D3 Fire Protection Advanced-Level Training 06/26/20 (20-026)
- 1245, App D4 Electrical Advanced Level Training and Qualification Journal 11/04/20 (20-057)
- 1246 Formal Qualification Programs in the Nuclear Material Safety and Safeguards Program Area 10/26/11 (11-022)
- 1246, App A Training Activities for Staff in the Nuclear Material Safety and Safeguards Program Area 10/26/11 (11-022)
- 1246, App B1 Training Requirements and Qualification Journal for Spent Fuel Storage and Transportation Project Manager and Technical 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 Training and Qualification Journal 08/08/13 (13-016)
- 1246, App C1 Training Requirements and Qualification Journal for Fuel Cycle Technical 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 Qualification Programs for Federal and State Materials and Environmental Management Programs 04/19/13 (13-011)
- 1248, App A Materials Health Physics License Reviewer 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 Reviewers 04/19/13 (13-011)
- 1248, App D Training Requirements and Qualification Journal for Byproduct Material Sealed Source Device Reviewers 04/19/13 (13-011)
- 1248, App E Training Requirements and Qualification Journal for Division of Waste Management Inspector and License Reviewers 04/19/13 (13-011)
- 1248, App F Training Requirements and Qualification Journal for Decommissioning Inspectors 03/03/22 (22-005)
- 1248, App G Training Requirements and Qualification Journal for Decommissioning Project Managers/Technical Reviewers 01/13/16 (16-002)
- 1248, App H Training Requirements and Qualification Journal for Uranium Recovery Inspectors 04/19/13 (13-011)
- 1248, App I Training Requirements and Qualification Journal for Uranium Recovery Project Managers/Technical Reviewers 07/02/19 (19-021)
- 1248 App J RESERVED

1300 Incident Response

- 1301 Response to Radioactive Material Incidents that Do Not Require Activation of the NRC Incident Response Plan 10/20/00 (00-022)
- 1302 Follow-Up Actions and Action Levels for Radiation Exposures Associated with Materials Incidents 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 Program for Environmental Monitoring 06/28/91 (91-009) R

1500 Reserved

1600 Emergency Preparedness

- 1601 Communication and Coordination Protocol for Determining the Status of Offsite Emergency Preparedness 06/29/18 (18-018)

1700 Reserved

1800 Reserved

1900 Reserved

2000 Reserved

2100 Reserved

2200 Nuclear Security and Incident Response

- 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 Operating Commercial Nuclear Power Reactors 08/20/18 (18-026)
- 2201, App A Security Baseline Inspection Program 04/22/21 (21-019)

- 2201, App B Supplemental Inspection Program 08/20/18 (18-026)
- 2201, App C Generic, Special, and Infrequent Inspections 02/09/22 (22-003)
- 2201, App D Facility Status Reviews for Security and Safeguards Inspection Program 11/01/18 (18-037)
- 2201/003 RESERVED for Fitness for Duty Part 26 Subpart K
- 2201/006 RESERVED for COVID-19 Public Health Emergency (PHE)
- 2202 Security Inspection Program for Decommissioning Nuclear Power Reactors 07/28/20 (20-035)
- 2202, App A Security Core Inspection Program 07/28/20 (20-035)
- 2202, App B Security Discretionary Inspection Program 07/28/20 (20-035)

2300 High Level Waste

- 2300 Yucca Mountain Inspection Program: License Application Review Period 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) 07/02/20 (20-029)
- 2502 Construction Inspection Program: Pre-Combined License (Pre-COL) Phase 07/02/20 (20-029)
- 2503 Construction Inspection Program: Inspections of Inspections, Tests, Analyses, and Acceptance Criteria (ITAAC) Related Work 10/06/20 (20-048)
- 2504 Construction Inspection Program: Inspections of Construction and Operational Programs 12/15/20 (20-72)
- 2505 Periodic Assessment of Construction Inspection Program Results 02/18/22 (22-004)
- 2506 Construction Reactor Oversight Process General Guidance and Basis Document 11/25/20 (20-065)
- 2507 Vendor Inspections 10/12/21 (21-035)
- 2508 Construction Inspection Program: Design Certification 05/03/22 (22-009)
- 2514 AP1000 Reactor Inspection Program – Startup Testing Phase 01/12/21 (21-003)
- 2515 Light-Water Reactor Inspection Program—Operations Phase 03/08/21 (21-012)
- 2515, App A Risk-Informed Baseline Inspection Program 07/26/19 (19-024)
- 2515, App B Supplemental Inspection Program 10/21/20 (20-054)
- 2515, App C Special and Infrequently Performed Inspections 12/22/20 (20-076)
- 2515, App D Plant Status 12/14/21 (21-040)
- 2515, App E Inspection Program Modifications During Pandemics, Epidemics, or Other Widespread Illnesses or Diseases 03/27/20 (20-018)

|             |  |
|-------------|--|
| 2515, App F | Reactor Construction Activities near Operating Unit(s) 09/22/20 (20-044)   |
| 2515, App G | Baseline Inspection Guidance for Power Reactors Preparing for Transition to Decommissioning Phase 02/01/16 (16-004)                            |
| 2515/194    | Inspection of the Licensees' Implementation of Industry Initiative Associated  |
| Rev. 1      | with the Open Phase Condition Design Vulnerabilities in Electric Power Systems (NRC Bulletin 2012-01) 08/18/20 (20-039)                        |
| 2516        | Policy and Guidance for the License Renewal Inspection Program 08/13/13 (13-017)   |
| 2518        | RESERVED for Construction Inspection Program: Advanced Reactors, Pre-Construction Permit (CP)  |
| 2519        | Construction Significance Determination Process 10/26/20 (20-055)  |
| 2522        | Construction Reactor Oversight Process Self-Assessment Program 07/28/14 (14-017)   |
| 2522, App A | Construction Reactor Oversight Process Self-Assessment Metrics 10/03/17 (17-021)   |
| 2523        | NRC Application of the Reactor Operating Experience Program in NRC Oversight Processes 01/15/21 (21-005)                                       |
| 2545        | Research and Test Reactor Inspection Program 03/13/20 (20-015)   |
| 2550        | Non-Power Production and Utilization Facilities (NPUFs) Licensed Under 10 CFR Part 50: Construction Inspection Program (CIP) 12/07/21 (21-039) |
| 2561        | Decommissioning Power Reactor Inspection Program 01/06/21 (21-002)   |
| 2565        | Regional Inspection Activities for Naval Reactors Naval Vessels Undergoing Decommissioning 08/28/20 (20-040)                                   |

## 2600 Fuel Cycle Facility Inspection Program

|             |   |
|-------------|---|
| 2600        | Fuel Cycle Facility Operational Safety and Safeguards Inspection Program 12/14/20 (20-071)                                |
| 2600, App A | Guidance for Conducting Fuel Cycle Inspections Fuel Cycle Facility Terminology 09/24/15 (15-018)                          |
| 2600, App B | NRC Core Inspection Requirements 02/18/21 (21-009)  |
| 2600, App C | Fuel Cycle Resident Inspection Program 10/09/19 (19-033)  |
| 2600, App D | Fuel Cycle Facility Inspection Planning 06/12/18 (18-015)   |
| 2600 App E  | Inspection Program Modifications During Pandemics, Epidemics, or Other Widespread Illnesses or Diseases 12/15/20 (20-072) |
| 2600/016    | Inspection of Activities Associated with NRC Generic Letter 2015-01 11/09/16 (16-029)                                     |
| 2601        | Reactive Inspection Decision Making Process for Fuel Facilities 09/20/16 (16-023)   |
| 2602        | Decommissioning Oversight and Inspection Program for Fuel Cycle Facilities and Materials Licensees 07/29/08 (08-021)      |
| 2603        | RESERVED for Fuel Cycle Facility Construction Inspection Program Assessment   |
| 2604        | Licensee Performance Review 01/31/22 (22-002)   |
| 2606        | Assessment of the Risk Resulting From a Potential Safety Noncompliance at a Fuel Cycle Facility 04/01/16 (16-010)         |
| 2606, E-2   | Evaluations Based on Specific Licensee ISAs 09/26/12 (12-022)   |

|          |   |
|----------|---|
| 2620     | On-Site Construction Reviews of Remedial Action at Inactive Uranium Mill Tailing Sites (Title I, Uranium Mill Tailings Radiation Control Act) 10/05/01 (01-020)   |
| 2630     | Mixed Oxide Fuel Fabrication Facility Construction Inspection Program 09/20/16 (16-023)   |
| 2635     | RESERVED for Uranium Enrichment Facility Construction and Pre-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 Special Nuclear Material and Irradiated Fuel Inspections of Fuel Facilities 10/27/17 (17-023)  |
| 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     | Material Control and Accounting Inspection of Fuel Facilities 12/07/20 (20-069)   |
| 2690     | Inspection Program for Storage of Spent Reactor Fuel and Reactor-Related Greater-Than-Class C Waste at Independent Spent Fuel Storage Installations and for 10 CFR Part 71 Transportation Packagings 12/15/20 (20-072)  |
| 2690/011 | Review of Aging Management Programs at Independent Spent Fuel Storage Installations 02/20/20 (20-010)   |
| Rev 1    |   |
| 2691     | Technical Basis for the Independent Spent Fuel Storage Installation Inspection Program 12/07/20 (20-069)  |
| 2694     | Fuel Cycle Facility Construction and Pre-operational Readiness Review Inspection Programs 0830/17 (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 03/02/20 (20-012)  |
| 2800/041 | 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 07/01/15 (15-013)  |
| 2800/043 | Inspection of Facilities Potentially Contaminated with Discrete Radium 226 Sources 12/22/20 (20-076)  |
| Rev 4    |   |
| 2800/044 | RESERVED Assessment of Physical Protection Requirements Under 10 CFR 150.14 for Agreement State Licensees Possessing Special Nuclear Material-Low Strategic Significance  |
| 2801     | Uranium Recovery and 11e.(2) Byproduct Material Facility Inspection Program 10/08/21 (21-034)   |
| 2810     | Master Material License Oversight and Inspection Program  |

|       |   |
|-------|---|
| 2815  | 10/29/21 (21-036)<br>Construction and Preoperational Inspection of Panoramic,<br>Wet-Source-Storage Gamma Irradiators 03/27/01 (01-010) |
| 2900  | <u>Performance Appraisal Program</u>  |
| 2901  | Team Inspections 05/20/22 (22-010)  |
| 2920  | Construction Appraisal Team Inspection Program 03/29/85 (85-11)   |
| 3000  | <u>Management Meetings</u>  |
| 30800 | Initial Management Meeting Materials Licensees 10/01/76 (76-26)   |
| 3100  | <u>Reserved</u>   |
| 3200  | <u>Reserved</u>   |
| 3300  | <u>Reserved</u>   |
| 3400  | <u>Reserved</u>   |
| 3500  | <u>Quality Assurance</u>  |
| 35007 | Quality Assurance Program Implementation During Construction and<br>Pre-Construction Activities 02/09/22 (22-003)                       |
| 35017 | Quality Assurance Implementation Inspection 12/10/20 (20-070)   |
| 35023 | RESERVED for Design Reliability Assurance Program   |
| 35031 | RESERVED for Design Certification Pre-Meeting   |
| 35032 | RESERVED for Pre-Docketing Design Certification Quality Assurance<br>Controls Inspection  |
| 35033 | RESERVED for Post-Docketing Design Certification Quality Assurance<br>Controls Inspection   |
| 35034 | Design Certification Testing Inspection 03/23/20 (20-017)   |
| 35101 | QA Program Implementation Inspection for Operational Programs<br>12/29/21 (21-041)  |
| 35710 | Quality Assurance Inspection of Software Used in Nuclear Applications<br>01/30/18 (18-002)  |
| 35962 | RESERVED for Part 52 QA Program Evaluation of Engineering Service<br>Organization   |
| 3600  | <u>Organization and Administration</u>  |
| 36100 | Inspection of 10 CFR Part 21 and Programs for Reporting Defects and<br>Noncompliance 05/16/19 (19-015)                                  |

|          |   |
|----------|---|
| 36100.01 | Inspection of 10 CFR 50.55(e) Programs for Reporting Defects and Noncompliance During Construction 11/13/19 (19-035)        |
| 36302    | Part 52. Operational Staffing 08/19/08 (08-024)   |
| 3700     | <u>Design, Design Changes, Modifications</u>  |
| 37060    | 10 CFR 50.69 Risk-Informed Categorization and Treatment of Structures, Systems, and Components Inspection 11/29/21 (21-038) |
| 37700    | Design Changes and Modifications 09/17/01 (01-017) R  |
| 37801    | Safety Reviews, Design Changes, and Modifications at Permanently Shutdown Reactors 09/09/20 (20-041)                        |
| 37803    | RESERVED  |
| 37804    | Aircraft Impact Assessment 03/23/20 (20-017)  |
| 37805    | Engineering Design Verification Inspections 04/08/20 (20-020)   |
| 3800     | <u>Procurement</u>  |
| 3900     | <u>Records</u>  |
| 4000     | <u>Review and Audit</u>   |
| 40002    | Inspections to Review Allegations 06/28/02 (02-024)   |
| 40100    | Independent Safety Culture Assessment Followup 07/26/18 (18-022)  |
| 40505    | RESERVED for Effectiveness of Process to Identify, Resolve, and Prevent Construction Problems                               |
| 40600    | Licensee Program for Managing Inspections, Tests, Analyses, and Acceptance Criteria (ITAAC) Closure 05/29/20 (20-025)       |
| 40801    | Problem Identification and Resolution at Permanently Shutdown Reactors 08/11/97 (97-012)                                    |
| 4100     | <u>Training</u>   |
| 41500    | Training and Qualification Effectiveness 06/13/95 (95-007) R  |
| 41501    | Part 52, 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) R  |
| 42401    | Part 52, Plant Procedures 10/27/10 (10-022)   |
| 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) R  |

4300 Vendor Procedures

- 43002 Routine Inspections of Nuclear Vendors 04/05/22 (22-006)
- 43003 Reactive Inspections of Nuclear Vendors 04/08/20 (20-020)
- 43004 Inspection of Commercial-Grade Dedication Programs 04/05/22 (22-006)
- 43005 NRC Oversight of Third-Party Organizations Implementing Quality Assurance Requirements 06/01/22 (22-011)
- 43006 Inspection of the Implementation of Mitigation Strategies Order Regulating the Use of National SAFER Response Centers 06/16/22 (22-013)

4400 Reserved

4500 Geotechnical/Foundation

- 45052 Review of Geotechnical and Site Characterization Activities 04/05/22 (22-006)

4600 Structural Concrete

4700 Containment (Post-Tensioning)

4800 Structural Steel and Supports

4900 Piping

- 49001 Inspection of Erosion-Corrosion / Flow-Accelerated-Corrosion Monitoring Programs 12/11/98 (98-019) R

5000 Mechanical Components and Equipment

- 50001 Steam Generator Replacement Inspection 09/12/17 (17-018)
- 50002 Steam Generators 12/31/96 (96-024) R
- 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 Electrical Components and Systems

- 51080 Part 52, Environmental Qualification (EQ) Program for Electrical and Mechanical Equipment 06/26/17 (17-013)

5200 Instrumentation Systems and Components

- 52003 Digital Instrumentation and Control Modification Inspection

07/09/21 (21-023)

5300 Containment Penetrations

5400 Cleanliness

5500 Welding

- 55050 Nuclear Welding General Inspection Procedure 06/20/83 (83-06) R
- 55100 Structural Welding General Inspection Procedure 06/20/83 (83-06) R

5600 Calibration

- 56700 Calibration 03/23/05 (05-008) R

5700 Nondestructive Examination, Destructive Examination and Fabrication Testing

- 57050 Visual Testing Examination 03/09/99 (99-003) R
- 57060 Liquid Penetrant Testing Examination 03/09/99 (99-003) R
- 57070 Magnetic Particle Testing Examination 03/09/99 (99-003) R
- 57080 Ultrasonic Testing Examination 03/09/99 (99-003) R
- 57090 Nondestructive Examination Procedure Radiographic Examination Procedure Review/Work Observation/Record Review 06/14/93 (93-005) R

5800 Special Processes

5900 Reserve Shutdown System

6000 Fuel Fabrication, Handling and Storage

- 60705 Preparation for Refueling 07/27/95 (95-009) R
- 60710 Refueling Activities 07/27/95 (95-009) R
- 60715 Spent Fuel Pool Safety at Operating Reactors 09/16/20 (20-043)
- 60801 Spent Fuel Pool Maintenance, Surveillance, and Safety at Permanently Shutdown Reactors 09/09/20 (20-041)
- 60845 Operation of Inter-Unit Fuel Transfer Canister and Cask System 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 Independent Spent Fuel Storage Installation 09/11/20 (20-042)
- 60854 Preoperational Testing of an Independent Spent Fuel Storage Installation 10/20/20 (20-052)

|       |  |
|-------|--|
| 60855 | Operation of an Independent Spent Fuel Storage Installation<br>11/25/20 (20-065)   |
| 60856 | Review of 10 CFR 72.212(b) Evaluations 10/20/20 (20-052)   |
| 60857 | Review of 10 CFR 72.48 Evaluations 10/20/20 (20-052)   |
| 60858 | Away-From-Reactor Independent Spent Fuel Storage Installation<br>Inspection Guidance 11/12/20 (20-062)   |
| 60859 | RESERVED for Initial Review of Aging Management Programs at<br>Independent Spent Fuel Storage Installations  |
| 60860 | RESERVED for Welding Verification Checklist for Transportation and<br>ISFSI Components   |
| 60861 | RESERVED for Nondestructive Examination Procedure Visual<br>Examination Procedure Review/Work Observation/Record Review of<br>Transportation and ISFSI Components        |
| 60862 | RESERVED for Nondestructive Examination Procedure Liquid Penetrant<br>Examination Procedure Review/Work Observation/Record Review of<br>Transportation ISFSI Components  |
| 60863 | RESERVED for Nondestructive Examination Procedure Magnetic Particle<br>Examination Procedure Review/Work Observation/Record Review of<br>Transportation ISFSI Components |
| 60864 | RESERVED for Nondestructive Examination Procedure Ultrasonic<br>Examination Procedure Review/Work Observation/Record Review  |
| 60865 | RESERVED for Nondestructive Examination Procedure Radiographic<br>Examination Procedure Review/Work Observation/Record Review of<br>Transportation and ISFSI Components  |

#### 6100 Surveillance

|       |   |
|-------|---|
| 61705 | Calibration of Nuclear Instrumentation Systems 05/12/86 (86-25) R                         |
| 61706 | Core Thermal Power Evaluation 07/14/86 (86-36) R  |
| 61707 | Determination of Reactor Shutdown Margin 10/11/85 (85-31) R                               |
| 61708 | Isothermal and Moderator Temperature Coefficient<br>Determinations 10/11/85 (85-31) R     |
| 61709 | Total Power Coefficient of Reactivity at Pressurized<br>Water Reactors 07/14/86 (86-36) R |
| 61710 | Control Rod Worth Measurements for Pressurized Water Reactors<br>10/11/85 (85-31) R       |
| 61715 | Verification of Containment Integrity 12/23/86 (86-60) R                                  |
| 61720 | Containment Local Leak Rate Testing 10/03/85 (85-30) R                                    |
| 61726 | Surveillance Observations 06/24/98 (98-010) R   |
| 61728 | Independent Measurement of RCS Leak Rates for a PWR<br>01/01/84 (84-02) R                 |

#### 6200 Maintenance

|       |   |
|-------|---|
| 62002 | Inspection of Structures, Passive Components, and Civil<br>Engineering Features at Nuclear Power Plants 12/31/96 (96-024) R |
| 62003 | Inspection of Steel and Concrete Containment Structures at Nuclear<br>Power Plants 06/11/97 (97-008) R                      |
| 62700 | Maintenance Program Implementation 04/04/00 (00-005) R  |
| 62706 | Maintenance Rule 12/13/00 (00-028) R  |

|           |  |
|-----------|--|
| 62708     | Motor-Operated Valve Capability 07/16/20 (20-033)  |
| 62709     | Configuration Risk Assessment and Risk Management Process<br>12/28/00 (00-029) R   |
| 62710     | Power-Operated Gate Valve Pressure Locking and Thermal Binding<br>04/30/10 (10-013) R  |
| 62711     | RESERVED for Operational Reliability Assurance Process   |
| 62712     | Part 52, Maintenance Rule 08/13/13 (13-017) R  |
|           |  |
| 6300      | <u>Construction Testing</u>  |
|           |  |
| 6400      | <u>Fire Prevention/Protection</u>  |
| 64102     | RESERVED for Part 52 Post fire Safe Shutdown, Emergency Lighting<br>and Oil Collection Capabilities                                |
| 64704     | Fire Protection Program at Permanently Shutdown Reactors<br>11/05/20 (20-059)  |
| 64705     | Part 52, Fire Protection Operational Program 06/04/19 (19-018)   |
|           |  |
| 6500      | <u>10 CFR Part 52 ITAAC Inspections</u>  |
| 65001     | Inspections of Inspections, Tests, Analyses, and Acceptance Criteria<br>(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<br>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<br>08/13/14 (14-018)                                      |
| 65001.05  | Inspection of ITAAC-Related Installation of Reactor Pressure Vessel and<br>Internals 08/19/08 (08/19/08)                           |
| 65001.06  | Inspection of ITAAC-Related Installation of Mechanical Components<br>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<br>Systems 08/19/08 (08-024)                                   |
| 65001.09  | Inspection of ITAAC-Related Installation of Electric and Fiber Optic Cable<br>08/05/09 (09-019)                                    |
| 65001.10  | Inspection of ITAAC-Related Installation of Instrument Components and<br>Systems 10/20/08 (08-029)                                 |
| 65001.11  | Construction Inspection Program Inspection of ITAAC-Related<br>Containment Integrity and Containment Penetration 08/19/08 (08-024) |
| 65001.11A | Part 52, Containment Structural Integrity Test 12/20/19 (19-041)   |
| 65001.12  | Inspection of ITAAC-Related Installation of Heating, Ventilating, and Air<br>Conditioning Systems 07/29/08 (08-021)                |
| 65001.13  | Inspection of ITAAC-Related Installation of Load Handling Equipment and<br>Fuel Racks 08/05/09 (09-019)                            |
| 65001.14  | Inspection of ITAAC-Related Installation of Complex Systems with<br>Multiple Components 06/24/15 (15-012)                          |

|          |   |
|----------|---|
| 65001.15 | Inspection of ITAAC-Related Installation of Fire Protection Equipment<br>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<br>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<br>Components and Systems 10/20/08 (08-029)  |
| 65001.20 | Inspection of Safety-Related Piping Design Acceptance Criteria (DAC)-<br>Related ITAAC 06/02/11 (11-009)  |
| 65001.21 | Inspection of Pipe Rupture Hazards Analyses (Inside and Outside<br>Containment) Design Acceptance Criteria (DAC)-Related ITAAC<br>11/07/11 (11-029) |
| 65001.22 | Inspection of Digital Instrumentation and Control (DI&C) System/Software<br>Design Acceptance Criteria (DAC) – Related ITAAC 12/19/11 (11-041)      |
| 65001.23 | Inspection of Human Factors Engineering Verification and Validation<br>ITAAC 12/22/14 (14-031)  |
| 65001.A  | Inspection of the As-Built Attributes for Structures, Systems, and<br>Components (SSCs) Associated with ITAAC 09/25/13 (13-023)                     |
| 65001.B  | Inspection of the ITAAC-Related Welding and Nondestructive<br>Examination Programs 11/04/19 (19-034)  |
| 65001.C  | Inspection of the ITAAC-Related Construction Test Program<br>04/18/14 (14-010)  |
| 65001.D  | Inspection of the ITAAC-Related Operational Testing Program<br>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<br>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)  |
| 69003    | Class I Research and Test Reactor Operator Licenses,<br>Requalification, and Medical Examinations 02/03/04 (04-004)                                 |
| 69004    | Class I Research and Test Reactor Effluent and Environmental<br>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<br>and Maintenance Activities 02/03/04 (04-004)                                      |
| 69007    | Class I Research and Test Reactor Review and Audit and Design<br>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<br>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<br>02/03/04 (04-004)  |
| 69012 | Class I Research and Test Reactors Radiation Protection<br>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<br>of Non-Power Production and Utilization Facilities 12/14/15 (15-029)         |
| 69021 | Inspections of Quality Assurance Program Implementation During<br>Construction of Non-Power Production and Utilization Facilities<br>09/12/17 (17-018) |
| 69022 | Inspections of Operational Readiness During Construction of Non-Power<br>Production and Utilization Facilities 10/09/19 (19-033)                       |

7000 Preoperational Testing

|       |   |
|-------|---|
| 70307 | Containment Integrated Leak Rate Test Procedure Review 03/07/86 (86-<br>13) R     |
| 70313 | Containment Integrated Leak Rate Test Surveillance 11/12/85 (85-36) R             |
| 70323 | Containment Leak Rate Test Results Evaluation 10/03/85 (85-30) R                  |
| 70367 | Part 52, Inspection of Preoperational Test Program 10/20/20 (20-052)              |
| 70368 | Part 52 Containment Leak Rate Testing Program (Programmatic)<br>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 | Part 52, Inspection of Preoperational Test Performance 12/06/17 (17-028)          |

7100 Operations (License & TS Requirements)

|          |  |
|----------|--|
| 71002    | License Renewal Inspection 06/30/20 (20-028)   |
| 71003    | Post-Approval Site Inspection for License Renewal 07/08/16 (16-015)                              |
| 71004    | Power Uprate 02/09/22 (22-003)   |
| 71007    | Reactor Vessel Head Replacement Inspection 10/03/17 (17-020)                                     |
| 71111    | Reactor Safety-Initiating Events, Mitigating Systems, Barrier Integrity<br>10/28/11 (11-025)     |
| 71111.01 | Adverse Weather Protection 08/01/22 (22-015)   |
| 71111.04 | Equipment Alignment 08/01/22 (22-015)  |
| 71111.05 | Fire Protection 08/01/22 (22-015)  |
| 71111.06 | Flood Protection Measures 08/01/22 (22-015)  |
| 71111.07 | Heat Exchanger/Sink Performance 02/18/22 (22-004)  |
| 71111.08 | Inservice Inspection Activities 08/08/22 (22-016)  |
| 71111.11 | Licensed Operator Requalification Program and Licensed Operator<br>Performance 12/19/21 (21-041) |
| 71111.12 | Maintenance Effectiveness 03/31/21(21-016)   |
| 71111.13 | Maintenance Risk Assessments and Emergent Work Control<br>08/01/22 (22-015)                      |

|              |  |
|--------------|--|
| 71111.15     | Operability Determinations and Functionality Assessments<br>10/05/20 (20-046)  |
| 71111.17T    | Evaluations of Changes, Tests, and Experiments 12/08/16 (16-032)   |
| 71111.18     | Plant Modifications 08/01/22 (22-015)  |
| 71111.19     | Post-Maintenance Testing 10/06/20 (20-047)   |
| 71111.20     | Refueling and Other Outage Activities 04/06/22 (22-007)  |
| 71111.21M    | Design Bases Assurance Inspection (Team) 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.03 | Commercial Grade Dedication 06/28/22 (22-014)  |
| 71111.21N.04 | RESERVED for Age-Related FEI   |
| 71111.21N.05 | Fire Protection Team Inspection (FPTI) 06/12/19 (19-019)   |
| 71111.22     | Surveillance Testing 03/29/21 (21-015)   |
| 71111.24     | Testing and Maintenance of Equipment Important to Risk<br>08/01/22 (22-015)  |
| 71113        | RESERVED for Review of License Renewal Commitments for Plants in<br>Timely Renewal                                     |
| 71114        | Reactor Safety-Emergency Preparedness 04/02/21 (21-018)  |
| 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>12/29/21 (21-041)  |
| 71124.03     | In-Plant Airborne Radioactivity Control and Mitigation 12/23/19 (19-042)   |
| 71124.04     | Occupational Dose Assessment 12/23/19 (19-042)   |
| 71124.05     | Radiation Monitoring Instrumentation 03/04/20 (20-014)   |
| 71124.06     | Radioactive Gaseous and Liquid Effluent Treatment 03/04/20 (20-014)  |
| 71124.07     | Radiological Environmental Monitoring Program 03/04/20 (20-014)  |
| 71124.08     | Radioactive Solid Waste Processing and Radioactive Material Handling,<br>Storage, and Transportation 03/04/20 (20-014) |
| 71130        | Security 07/23/20 (20-034)   |
| 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 02/08/21 (21-008)  |
| 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)   |
| 71130.10     | Cybersecurity 12/14/21 (21-040)  |
| 71130.11     | Material Control & Accounting (MC&A) 01/07/20 (20-003)   |

|          |  |
|----------|--|
| 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 04/06/20 (20-019)   |
| 71152    | Problem Identification and Resolution 12/14/21 (21-040)  |
| 71153    | Follow up of Events and Notices of Enforcement Discretion<br>09/16/20 (20-043)                       |
| 71303    | Part 52, Technical Specifications Review 07/08/20 (20-031)   |
| 71715    | Sustained Control Room and Plant Observation 04/14/92 (92-004) R                                     |
| 71801    | Decommissioning Performance and Status Reviews at Permanently<br>Shutdown Reactors 09/30/20 (20-045) |
| 71841    | Human Performance 12/12/00 (00-027) R  |

## 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 12/07/20 (20-069)  |
| 72501 | RESERVED for Part 52 Initial Fuel Load Procedure Review  |
| 72525 | RESERVED for Part 52 Initial Fuel Load Witnessing  |
| 72701 | Modification Testing 04/14/92 (92-004) R   |

## 7300 In-service Inspection

|       |  |
|-------|--|
| 73051 | Inservice Inspection – Review of Program 01/14/86 (86-003) R   |
| 73052 | In-service Inspection - Review of Procedures 01/14/86 (86-03) R  |
| 73054 | Part 52, Preservice and Inservice Inspection - Review of Program<br>03/04/20 (20-013)  |
| 73753 | Inservice Inspection 06/24/98 (98-010) R   |
| 73754 | Part 52 - Preservice Inspection - Non-Destructive Examination<br>09/23/19 (19-029)   |
| 73755 | Inservice Inspection - Data Review and Evaluation 10/27/10 (10-022) R  |
| 73756 | In-service Testing of Pumps and Valves 07/27/95 (95-009) R   |
| 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>02/06/20 (20-007) |

|          |   |
|----------|---|
| 7400     | <u>Reserved</u>   |
| 7500     | <u>Reserved</u>   |
| 7600     | <u>Reserved</u>   |
| 7700     | <u>Reserved</u>   |
| 7800     | <u>High Level Waste</u>   |
| 78010    | 10 CFR Part 21 Program 09/11/08 (08-026)  |
| 7900     | <u>Water Chemistry</u>  |
| 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) R                        |
| 8000     | <u>Environmental Protection</u>   |
| 80211    | RESERVED for Part 52 Environmental Protection - Initial & Periodic Inspection                 |
| 80522    | Part 52, Radiological Environmental Monitoring Program (REMP) 05/07/20 (20-024)               |
| 80600    | RESERVED for Independent Assessment of Site Radiological Conditions                           |
| 8100     | <u>Physical Security</u>  |
| 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 (FFD) 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 (MC&A) 09/07/12 (12-020)                                      |
| 81000.14 | Review of New Power 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 07/28/20 (20-035)  |
| 81200.01 | Access Authorization for Decommissioning Nuclear Power Reactors 05/07/20 (20-024)   |
| 81200.02 | Access Control for Decommissioning Nuclear Power Reactors 10/16/20 (20-051)   |
| 81200.03 | RESERVED for Decommissioning Force-on-Force Testing   |
| 81200.04 | Equipment Performance, Testing, and Maintenance for Decommissioning Nuclear Power Reactors 01/05/21 (21-001)  |
| 81200.05 | Protective Strategy Evaluation and Performance Evaluation Program for Decommissioning Nuclear Power Reactors 01/05/21 (21-001)  |
| 81200.06 | Protection of Safeguards Information for Decommissioning Nuclear Power Reactors 01/05/21 (21-001)   |
| 81200.07 | Security Training for Decommissioning Nuclear Power Reactors 04/01/21 (21-017)  |
| 81200.08 | RESERVED for Decommissioning Fitness for Duty Program   |
| 81200.09 | Security Plan Changes for Decommissioning Power Reactors 02/18/21 (21-009)  |
| 81200.10 | RESERVED for Decommissioning Cyber Security   |
| 81200.11 | RESERVED for Decommissioning Material Control and Accounting  |
| 81200.14 | Review of Decommissioning Target Sets 01/05/21 (21-001)   |
| 81310    | Physical Protection of Shipments of Irradiated Fuel 12/22/08 (08-037)   |
| 81311    | Physical Security Requirements for Independent Spent Fuel Storage Installations 06/28/22 (22-014)   |
| 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 Material in Transit 12/22/08 (08-037)  |
| 81402    | Reporting of Safeguards Events 11/23/09 (09-028)  |
| 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)   |
| 81601    | Fixed Site Physical Protection of Formula Quantities of Strategic Special Nuclear Material – Non-Power Reactors 03/13/20 (20-015)   |
| 81602    | Fixed Site Physical Protection of Special Nuclear Material of Moderate Strategic Significance – Non-Power Reactors 03/13/20 (20-015)  |

|          |  |
|----------|--|
| 81603    | Fixed Site Physical Protection of Special Nuclear Material of Low Strategic Significance – Non-Power Reactors 03/13/20 (20-015)  |
| 81606    | Material Control and Accounting – Non-Power Reactors 03/13/20 (20-015)   |
| 81607    | Protection of Safeguards Information and Safeguards Information Modified Handling – Non-Power Reactors 03/13/20 (20-015)   |
| 81608    | Reporting of Safeguards Events – Non-Power Reactors 03/13/20 (20-015)  |
| 81612    | In Transit Physical Protection of Special Nuclear Material of Moderate Strategic Significance and Receipt of New Reactor Fuel – Non-Power Reactors 03/13/20 (20-015)                   |
| 81613    | In Transit Physical Protection of Special Nuclear Material of Low Strategic Significance and Receipt of New Reactor Fuel – Non-Power Reactors 03/13/20 (20-015)                        |
| 81614    | In Transit Physical Protection of Irradiated Reactor Fuel – Non-Power Reactors 03/13/20 (20-015)   |
| 81621    | Fixed Site Physical Protection of Category 1 and Category 2 Quantities of Radioactive Material – Non-Power Reactors 03/13/20 (20-015)  |
| 81622    | In Transit Physical Protection of Category 1 and Category 2 Quantities of Radioactive Material and 100 Grams or Less of Irradiated Reactor Fuel – Non-Power Reactors 03/13/20 (20-015) |
| 81700.01 | Category I Fuel Cycle Facility Strategic Special Nuclear Material Security Controls 05/15/17 (17-010)  |
| 81700.02 | Category I Fuel Cycle Facility Access Control Measures 05/15/17 (17-010)   |
| 81700.04 | Category I Fuel Cycle Facility Security Equipment Performance, Testing and Maintenance 05/15/17 (17-010)   |
| 81700.05 | Category I Fuel Cycle Facility Physical Protection Program and Protective Strategy 05/15/17 (17-010)   |
| 81700.06 | Licensee Conducted Force-on-Force Exercises at Category I Fuel Cycle 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 05/15/17 (17-010)   |
| 81700.09 | Security Measures for Licensed Facilities 03/02/20 (20-012)  |
| 81700.10 | Protection of Safeguards Information at Category I Fuel Cycle Facilities 05/15/17 (17-010)   |
| 81700.11 | Annual Observation of Licensee Conducted Force-on-Force Exercises at 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 and Vendors 04/08/20 (20-020)  |
| 81815    | Authorization for Access to National Security Information (NSI) and Restricted Data (RD) 06/27/14 (14-014)   |
| 81820    | Physical Protection Facility Approval and Safeguarding of National Security Information and Restricted Data 12/29/21 (21-041)  |
| <br>     |  |
| 8200     | <u>Emergency Planning</u>  |
| 82001    | Evaluation of Emergency Preparedness 05/22/00 (00-010)   |

|          |   |
|----------|---|
| 82001.01 | ERO Performance Drills 05/22/00 (00-010)  |
| 82001.02 | ERO Performance Drills Dose Assessment 05/22/00 (00-010)  |
| 82001.03 | ERO Augmentation Drill 05/22/00 (00-010)  |
| 82001.04 | Facilities and Equipment 05/22/00 (00-010)  |
| 82001.05 | Procedure Quality 05/22/00 (00-010)   |
| 82001.06 | Remedial Exercises 05/22/00 (00-010)  |
| 82002    | Part 52, Emergency Preparedness Program 03/04/20 (20-014)   |
| 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)                       |
| 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) |
| 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) R   |
| 83502    | Evaluation of Public Radiation Safety 04/17/11 (00-006) R  |
| 83502.01 | Radioactive Gaseous and Liquid Effluent Treatment and Monitoring<br>Systems 04/17/00 (00-006) R  |
| 83502.02 | Radioactive Material Processing and Transportation 04/17/00 (00-006) R   |
| 83502.03 | Radiological Environmental Monitoring Program (REMP) and<br>Radioactive Material Control Program 04/17/00 (00-006) R                                 |
| 83523    | Radiation Protection, Plant Chemistry, Radwaste, Transportation and<br>Environmental: Training and Qualifications 01/01/84<br>(reactivated 08-032) R |
| 83529    | RESERVED for Part 52 Radiation Protection – Startup  |
| 83531    | Part 52, Life Cycle Minimization of Contamination and Groundwater<br>Protection Program 03/04/20 (20-013)  |
| 83532    | RESERVED for Part 52 Radiation Protection, Plant Chemistry, and<br>Radwaste Training   |

|       |  |
|-------|--|
| 83533 | Part 52, External Occupational Exposure Control and Personal Dosimetry 03/04/20 (20-013)                       |
| 83534 | Part 52, Internal Exposure Control and Assessment 03/04/20 (20-013)  |
| 83535 | Part 52, Control of Radioactive Materials and Contamination, Surveys, and Monitoring 03/04/20 (20-013)         |
| 83536 | Part 52, Facilities and Equipment 03/04/20 (20-013)  |
| 83537 | Part 52 Maintaining Occupational Exposures ALARA 03/04/20 (20-013)   |
| 83723 | General Employee, Radiation Safety, Plant Chemistry, Radwaste, and Transportation Training 12/16/03 (03-041) R |
| 83724 | External Occupational Exposure Control and Personal 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 Monitoring 11/13/14 (14-027)                   |
| 83728 | Maintaining Occupational Exposures ALARA 04/17/00 (00-006) R   |
| 83729 | Occupational Exposure during Extended Outages 12/31/91 (91-021) R  |
| 83746 | Part 52, Offsite Dose Calculation Manual (ODCM) 05/07/20 (20-024)  |
| 83750 | Occupational Radiation Exposure at Permanently Shutdown Reactors 11/05/20 (20-059)                             |
| 83801 | Inspection of Remedial and Final Surveys at Permanently Shutdown Reactors 01/06/21 (21-002)                    |
| 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) 01/01/84 (reactivated 08-032) R   |
| 84525 | Quality Assurance and Confirmatory Measurements for In-Plant Radiochemical Analysis (Preoperational and Supplemental) 5/23/85 (reactivated 08-032) |
| 84526 | RESERVED for Part 52 Radwaste – Startup  |
| 84527 | Part 52, Solid Waste Management Program 04/30/20 (20-022)  |
| 84528 | Part 52, Liquid Waste Management Program 04/30/20 (20-022)   |
| 84529 | Part 52, Gaseous Waste Management Program 05/07/20(20-024)   |
| 84750 | Radioactive Waste Treatment, and Effluent and Environmental Monitoring 11/05/20 (20-059)   |
| 84850 | Radioactive Waste Management - Inspection of Waste Generator Requirements of 10 CFR Part 20 and 10 CFR Part 61 12/22/08 (08-037)                   |
| 84900 | Low-Level Radioactive Waste Storage 12/22/08 (08-037) (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 Nuclear Power Reactors |

|       |   |
|-------|---|
|       | 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 | Item Control Program 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 Training and Qualification 12/17/20 (20-074) |
| 85305 | Item Monitoring 12/16/20 (20-073)   |
| 85307 | Process Monitoring 12/16/20 (20-073)  |
| 85309 | Measurement Systems and Control 11/06/20 (20-060)   |
| 85311 | Physical Inventory Program 11/06/20 (20-060)  |
| 85313 | Alarm Resolution Program 11/06/20 (20-060)  |
| 85315 | Internal Control 12/16/20 (20-073)  |
| 85401 | Management Structure 11/06/20 (20-060)  |
| 85402 | Measurement Program 12/22/20 (20-075)   |
| 85403 | Measurement Control Program 12/22/20 (20-075)   |
| 85404 | Physical Inventory Program for Low Enriched Uranium Fuel Facilities 01/13/21 (21-004)                           |
| 85405 | Item Control 01/13/21 (21-004)  |
| 85406 | Resolution Program for Low Enriched Uranium Fuel Facilities 01/13/21 (21-004)                                   |
| 85407 | Assessment Program 12/17/20 (20-074)  |
| 85408 | Recordkeeping Program 12/17/20 (20-074)   |
| 85420 | Inspection of IAEA Safeguards for Inspectors at Power Reactors 06/22/88 (88-007)                                |
| 85501 | Physical Inventory Program for Uranium Enrichment Facilities 12/20/20 (20-075)                                  |
| 85502 | Detection Program for Uranium Enrichment Facilities 12/22/20 (20-075)   |
| 85503 | Resolution Program for Uranium Enrichment Facilities 01/13/21 (21-004)  |
| 8600  | <u>Spent Fuel and Other Radioactive Material Packaging and Shipping</u>   |
| 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 12/14/20 (20-071)   |
| 86750 | Solid Radioactive Waste Management and Transportation of Radioactive Materials 10/27/20 (20-056)                |
| 8700  | <u>Materials Safety Inspection</u>  |
| 87102 | Maintaining Effluents from Materials Facilities As Low As Is Reasonably Achievable (ALARA) 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<br>10/09/19 (19-033)   |
| 87121 | Industrial Radiography Programs 12/17/14 (14-030)   |
| 87122 | Irradiator Programs 12/31/02 (02-047)   |
| 87123 | Well Logging and Tracer Study Programs 04/26/22 (22-008)  |
| 87124 | Fixed Nuclear Gauge Programs 04/26/22 (22-008)  |
| 87125 | Materials Processor/Manufacturer Programs 09/28/05 (05-027)   |
| 87126 | Broad Scope Academic and Research & Development Programs<br>04/26/22 (22-008)   |
| 87127 | Radiopharmacy Programs 07/01/08 (08-018)  |
| 87128 | Manufacturing and Distribution of Exempt Products 08/07/19 (19-026)   |
| 87129 | Master Materials Program 10/29/21 (21-036)  |
| 87130 | Nuclear Medicine Programs 04/26/22 (22-008)   |
| 87131 | Nuclear Medicine Programs, Written Directive Required<br>08/24/11 (11-014)  |
| 87132 | Brachytherapy Programs 02/26/15 (15-003)  |
| 87133 | Medical Gamma Stereotactic Radiosurgery and Teletherapy Programs<br>08/24/11 (11-014)   |
| 87134 | Medical Broad-Scope Programs 08/24/11 (11-014)  |
| 87137 | 10 CFR Part 37 Materials Security Programs 12/03/20 (20-068)  |
| 87138 | RESERVED for 10 CFR Part 37, "Physical Protection Of Category 1 And<br>Category 2 Quantities Of Radioactive Material At Facilities With A 10 CFR<br>Part 73 Physical Protection Program |
| 87139 | Portable Nuclear Gauge Programs 04/26/22 (22-008)   |
| 87140 | Source, Special Nuclear Material, and Other Alpha Emitter Use Programs<br>04/26/22 (22-008)   |
| 87141 | Limited Scope Academic and Research & Development Programs<br>Including Animal Use 04/26/22 (22-008)  |
| 87142 | Sealed Sources and Devices (Other) Used in Measuring Systems,<br>Analytical Instruments, Calibration and Checking of Instruments, and<br>Similar Purposes 04/26/22 (22-008)             |
| 87143 | Self-Shielded Irradiator and Calibrator Devices 04/26/22 (22-008)   |
| 87144 | Veterinary Use Programs 04/26/22 (22-008)   |
| 87250 | Locating Missing Materials Licensees 10/29/01 (01-022)  |
| 87300 | RESERVED for Remediation of groundwater   |
| 87305 | RESERVED for Management Organization and Control  |
| 87654 | Uranium Mill, In-Situ Leach Uranium Recovery, and 11e.(2) Byproduct<br>Material Disposal 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 10/20/20 (20-052)                              |
| 88020 | Operational Safety 12/14/20 (20-071)                                      |
| 88025 | Maintenance and Surveillance of Safety Controls 01/23/14 (14-003)         |
| 88030 | Radiation Protection 01/29/21 (21-007)                                    |

|          |   |
|----------|---|
| 88035    | Radioactive Waste Processing, Handling, Storage, and Transportation<br>02/07/14 (14-005)  |
| 88045    | Effluent Control and Environmental Protection 03/12/21 (21-013)   |
| 88050    | Emergency Preparedness 12/17/20 (20-074)  |
| 88051    | Evaluation of Exercises and Drills 11/12/20 (20-062)  |
| 88055    | Fire Protection 11/09/20 (20-061)   |
| 88070    | Plant Modification (Annual) 12/14/20 (20-071)   |
| 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<br>10/09/19 (19-033)   |
| 88106    | Quality Assurance: Program Development and Implementation<br>(Pre-licensing and Construction) 02/07/07 (07-006)   |
| 88107    | Quality Assurance: Design and Documentation Control (Pre-licensing and<br>Construction) 05/18/05 (05-013)   |
| 88108    | Quality Assurance: Control of Materials, Equipment, and Services<br>(Pre-licensing and Construction) 02/07/07 (07-006)                                  |
| 88109    | Quality Assurance: Inspection, Test Control, and Control of Measuring<br>and Test Equipment (Pre-licensing and Construction) 06/20/07 (07-020)          |
| 88110    | Quality Assurance: Problem Identification, Resolution and Corrective<br>Action (PIRCA) (Construction, Pre-Operation and Operation)<br>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<br>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<br>(10 CFR 70.72) (Pre-Licensing and Construction) 09/20/16 (16-023)                          |
| 88120    | RESERVED Draft Construction and Operational Readiness Inspections<br>for the Internal Isotopes Uranium Deconversion Facility                            |
| 88121    | RESERVED for Draft Operational Readiness Reviews for Uranium<br>Deconversion Facilities   |
| 88130    | Resident Inspection Program for On-Site Construction Activities at the<br>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    | Piping Systems Relied on for Safety 05/18/05 (05-013)   |
| 88135    | Resident Inspection Program for Category I Fuel Cycle Facilities<br>12/02/20 (20-067)   |
| 88135.02 | Resident Inspection Program Plant Status Activities 12/02/20 (20-067)   |
| 88135.04 | Resident Inspection Program Operational Safety 12/02/20 (20-067)  |
| 88135.05 | Resident Inspection Program Fire Protection (Annual/Quarterly)<br>12/02/20 (20-067)   |

|          |  |
|----------|--|
| 88135.17 | Resident Inspection Program Plant Modifications 12/02/20 (20-067)                            |
| 88135.19 | Resident Inspection Program Post-Maintenance Testing<br>12/02/20 (20-067)                    |
| 88135.22 | Resident Inspection Program Surveillance Testing 12/02/20 (20-067)                           |
| 88136    | Mechanical Components 7/25/07 (07-023)   |
| 88137    | Electrical 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 Control Systems 04/01/10 (10-010)  |
| 88141    | Fire Prevention and Protection 08/08/07 (07-024)   |
| 88142    | Underground Fire Water Loop and Equipment Installation<br>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<br>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<br>07/28/14 (14-017) |

8900 Fuel Facility and Materials Special Program

|       |   |
|-------|---|
| 89001 | In-Situ Leach (ISL) Facilities 09/02/97 (97-013)  |
| 89002 | RESERVED for Uranium Mill program   |
| 89003 | RESERVED for Uranium Mill program   |
| 89005 | Management Organization and Controls at Uranium Recovery and<br>11e.(2) Byproduct Material Facilities 10/08/21 (21-034)               |
| 89010 | Disposal Cell Construction at Uranium Recovery and 11e.(2) Byproduct<br>Material Facilities 10/08/21 (21-034)                         |
| 89015 | Construction and Preoperational Inspection Program at Uranium<br>Recovery and 11e.(2) Byproduct Material Facilities 10/08/21 (21-034) |
| 89020 | Groundwater and Water Management at Uranium Recovery and 11e.(2)<br>Byproduct Material Facilities 10/08/21 (21-034)                   |
| 89030 | Radiation Protection at Uranium Recovery and 11e.(2) Byproduct Material<br>Facilities 10/08/21 (21-034)                               |
| 89035 | Radioactive Waste Management and Transportation at Uranium<br>Recovery and 11e.(2) Byproduct Material Facilities 10/08/21 (21-034)    |
| 89045 | Effluent Control and Environmental Protection at Uranium Recovery and<br>11e.(2) Byproduct Material Facilities 10/08/21 (21-034)      |
| 89050 | Emergency Preparedness and Fire Protection at Uranium Recovery and<br>11e.(2) Byproduct Material Facilities 10/08/21 (21-034)         |
| 89060 | RESERVED for DOE site inspections   |

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 Supplemental Inspection for Repetitive Degraded Cornerstones, Multiple Degraded Cornerstones, Multiple Yellow Inputs or One Red Input 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) R
- 90712 In-office Review of Written Reports of NonRoutine Events at Power Reactor Facilities 12/31/98 (98-020) R

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 NonRoutine Events at Power Reactor Facilities 12/31/98 (98-020) R
- 92701 Followup 03/13/07 (07-010)
- 92702 Follow-Up On Traditional Enforcement Actions Including Violations, Deviations, Confirmatory Action Letters, and Orders 10/26/20 (20-055)
- 92703 Followup of Confirmatory Action Letters or Orders 05/13/09 (09-012)
- 92707 Security Inspection of Facilities Impacted by a Local, State, or Federal Emergency Where the U.S. Nuclear Regulatory Commission's Ability to Conduct Triennial Force-On-Force Exercises is Limited 02/08/21 (21-008)
- 92708 RESERVED for operating reactors pandemic response
- 92709 Contingency Plans for Licensee Strikes or Lockouts 05/16/19 (19-015)
- 92711 Implementation of Licensee Contingency Plans During a Strike/Lockout 05/16/19 (19-015)
- 92712 Resumption of Normal Operations after a Strike/Lockout 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 09/16/21 (21-031)
- 92723 Follow-Up Inspection for One Severity Level III and Two Severity Level IV Traditional Enforcement Violations or for Three or More Severity Level IV Traditional Enforcement Violations in the Same Area in a 12-Month Period 09/16/21 (21-031)

9300 Non-Routine Activities

- 93002 Managing Fatigue 09/17/19 (19-027)
- 93100 Safety-Conscious Work Environment Issue of Concern Follow-up  
07/14/21 (21-024)
- 93800 Augmented Inspection Team 06/07/22 (22-012)
- 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  
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  
(SWSOPI) 09/14/98 (98-013)
- 93811 Electrical Distribution System Functional Inspection (EDSFI)  
02/03/99 (99-002)
- 93812 Special Inspection 06/07/22 (22-012)
- 93813 RESERVED for Part 52 Operational Readiness Assessment Team  
Inspection

9400 Technical Activities of an Administrative Nature

- 94301 RESERVED for Part 52 Status of 10 CFR 52 Plant Readiness for Fuel  
Load

9500 Strategic Determination Actions

- 95001 Supplemental Inspection Response to Action Matrix Column 2  
(Regulatory Response) Inputs 08/19/2021 (21-028)
- 95002 Supplemental Inspection Response to Action Matrix Column 3 (Degraded  
Performance) Inputs 03/19/2021 (CN 21-014)
- 95003 Supplemental Inspection Response to Action Matrix Column 4  
(Multiple/Repetitive Degraded Cornerstone) Inputs 06/07/22 (22-012)
- 95003.01 Emergency Preparedness 01/15/09 (09-002)
- 95003.02 Guidance for Conducting an Independent NRC Safety Culture  
Assessment 04/01/19 (19-011)

9600 Materials Safety and Security

- 96001 NRC Force-on-Force Inspections at Category 1 Fuel Cycle Facilities  
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 & XI | American Society of Mechanical Engineers ASME Boiler and 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)

---

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

Filled Organic Coatings Used in Maintenance of Safety Related Equipment 10/11/94 (94-018)  
Preconditioning of Structures, Systems, and Components (SSCs) 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)   |
| Part 50, App A                | Definition of Leak-Before-Break Analysis 09/26/96 (96-020)                                |
| Part 50                       | Appendix J, Containment Integrated Leak Rate Testing 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