

NRC INSPECTION MANUAL

DIRS

TABLE OF CONTENTS

Table of Contents Current through Change Notice 12-002 issued 02/13/2012

PART

CHAPTER

0000 NRC Inspection Manual¹

0040 Preparing, Revising, and Issuing Documents for the NRC
Inspection Manual 11/16/11 (11-035)

0100 Program Responsibilities

0102 Oversight and Objectivity of Inspectors and Examiners
at Reactor Facilities 08/22/05 (05-023)

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

0200 Program Management Reports

0300 Inspection Policy

0300 Announced and Unannounced Inspections 03/24/94 (94-010)

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

0305 Operating Reactor Assessment Program 07/06/11 (11-011)

0306 Information Technology Support for the Reactor Oversight
Process 11/17/11 (11-036)

0307 Reactor Oversight Process Self-Assessment Program
03/23/09 (09-010)

0307 App A Reactor Oversight Process Self-Assessment Metrics 03/23/09
(09-010)

0307 App B ROP Realignment Process 10/13/11 (11/019)

0308 Reactor Oversight Process (ROP) Basis Document
11/08/07 (07-035)

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

¹The 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.

PART

CHAPTER

| | |
|--------------------|---|
| 0308, Att 2 | Technical Basis for Inspection Program 10/16/06 (06-027) |
| 0308, Att 3 | Technical Basis for Significance Determination Process 10/16/06 (06-027) |
| 0308, Att 3, App A | Technical Basis for At Power Significance Determination 11/08/07 (07-035) |
| 0308, Att 3, App B | Technical Basis for Emergency Preparedness Significance Determination Process 07/28/05 (05-022) |
| 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 07/27/04 (04-020) |
| 0308, Att 3, App F | Technical Basis for Fire Protection Significance Determination Process [IMC 0609, Appendix F] At Power Operations 02/28/05 (05-007) |
| 0308, Att 3, App G | Technical Basis for Shutdown Operations Significance Determination Process 02/28/05 (05-007) |
| 0308, Att 3, App H | Technical Basis for Containment Integrity Significance Determination Process 05/06/04 (04-010) |
| 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 Significance Determination Process 07/06/11 (11-011) |
| 0308, Att 3, App K | Technical Basis for Maintenance Risk Assessment and Risk Management SDP 05/19/05 (05-014) |
| 0308, Att 4 | Technical Basis for Assessment 07/28/05 (05-022) |
| 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 Process 09/08/09 (09-021) |
| 0309 | Reactive Inspection Decision Basis for Reactors 10/28/11 (11-023) |
| 0310 | Components within the Cross-Cutting Areas 10/28/11 (11-023) |
| 0312 | Technical Assistance for Radiation Safety Inspections at Nuclear Fuel Cycle Facilities and Materials Licensees' Sites 06/06/02 (02-023) |
| 0313 | Industry Trends Program 05/29/08 (08-016) |
| 0320 | Operating Reactor Security Assessment Program 04/09/09 (09-011) |
| 0321 | Reserved for Reactor Security Construction Assessment Program |
| 0330 | Guidance for NRC Review of Licensee Draft Documents 07/08/96 (96-015) |
| 0350 | Oversight of Operating Reactor Facilities in a Shutdown Condition With Performance Problems 12/15/06 (06-035) |
| 0351 | Implementation of The Reactor Oversight Process at Reactor Facilities in an Extended Shutdown Condition for Reasons Other Than Significant Performance Problems 04/05/11 (11-005) |

PART
CHAPTER

0400 Enforcement Policy

0410 Reserved for Operations - Notices of Enforcement Discretion

0410 App A Reserved for NOEDs during a Pandemic

0500 Tracking Systems

0600 Documentation of Program Findings

0608 Performance Indicator Program 02/27/07 (07-007)

0609 Significance Determination Process 06/02/11 (11-009)

0609.01 Significance and Enforcement Review Panel Process
06/08/11 (11-010)

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

0609.03 Senior Reactor Analyst Support Expectations 06/02/11 (11-009)

0609.04 Phase 1 - Initial Screening and Characterization of Findings
01/10/08 (08-002)

0609 App A Determining the Significance of Reactor Inspection Findings for At-
Power Situations 01/10/08 (08-002)

0609 App B Emergency Preparedness Significance Determination Process
03/06/03 (03-007)

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 Baseline Physical Protection Significance Determination Process
07/21/05 (05-020)

0609 App E Part I Baseline Security Significance Determination Process for
Power Reactors 01/27/10 (10-003)

0609 App E Part II Force-on-Force Physical Protection Significance
Determination Process 07/21/05 (05-020)

0609 App F Fire Protection Significance Determination Process
02/28/05 (05-007)

0609, App F, Att 1 Part 1: Fire Protection SDP Phase 1 Worksheet
02/28/05 (05-007)

0609, App F, Att 2 Degradation Rating Guidance Specific to Various Fire
Protection Program Elements 02/28/05 (05-007)

0609, App F, Att 3 Guidance for Identifying Fire Growth and Damage Scenarios
02/28/05 (05-007)

PART

CHAPTER

- 0609, App F, Att 4 Fire Ignition Source Mapping Information: Fire Frequency, Counting Instructions, Applicable Fire Severity Characteristics, and Applicable Manual Fire Suppression Curves 02/28/05 (05-007)
- 0609, App F, Att 5 Characterizing Non-Simple Fire Ignition Sources 02/28/05 (05-007)
- 0609, App F, Att 6 Guidance for the Identification of Targets and Their Ignition and Damage Criteria 02/28/05 (05-007)
- 0609, App F, Att 7 Guidance for Fire Growth and Damage Time Analysis 02/28/05 (05-007)
- 0609, App F, Att 8 Guidance for Fire Non-Suppression Probability Analysis 02/28/05 (05-007)
- 0609 App G Shutdown Operations Significance Determination Process 02/28/05 (05-007)
- 0609, App G, Att 1 Shutdown Operations Significance Determination Process Phase 1 Operational Checklists for Both PWRs and BWRs 05/25/04 (04-015)
- 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 05/06/04 (04-010)
- 0609 App I Operator Requalification Human Performance Significance Determination Process [SDP] 12/06/11 (11-040)
- 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 12/22/06 (06-036)
- 0610 Inspection Reports 05/18/04 (04-014)
- 0612 Power Reactor Inspection Reports 04/30/10 (10-013)
- 0612, Exh 1 Standard Reactor Inspection Report 11/15/11 (11-033)
- 0612, Exh 2 Inspection Report Documentation Matrix 12/04/08 (08-034)
- 0612, Exh 3 Sample Reactor Inspection Report (temporarily suspended pending revision)
- 0612, Exh 4 Sample Cover Letters 10/28/11 (11-024)
- 0612, App A List of Acronyms Used in IMC 0612 12/04/08 (08-034)
- 0612, App B Issue Screening 12/24/09 (09-032)
- 0612, App C Documentation Guidance for Supplemental Inspections 10/28/11 (11-024)
- 0612 App C1 Sample Supplemental Inspection Report for IP 95001 and IP 95002 10/28/11 (11-024)
- 0612, App D Guidance for Documenting Inspection Procedure 71152,

PART

CHAPTER

| | |
|-------------|--|
| | “Identification and Resolution of Problems” 10/28/11 (11-024) |
| 0612, App E | Examples of Minor Issues 08/11/09 (09-020) |
| 0612, App F | Examples of Cross-cutting Aspects 06/22/06 (06-015) |
| 0613 | Documenting 10 CFR Part 52 Construction Inspections 11/10/11 (11-032) |
| 0613P | Power Reactor Construction Inspection Reports – Pilot 12/21/2011 (11-042) |
| 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 12/21/11 (11-042) |
| 0617 | Vendor and Quality Assurance Implementation Inspection Reports 10/29/09 (09-025) |
| 0620 | Inspection Documents and Records 09/12/11 (11-015) |
| 0630 | Analysis of the Impact of Noncompliance with Physical Security Requirements 10/01/82 (82-09) |

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 | Reactor Oversight Process Feedback Program 07/06/10 (10-015) |
| 0802 | Reserved for the Part 52 Program |

0900 Reporting of Events/Incidents

| | |
|------|--|
| 0970 | Potentially Generic Questions Identified by Regional Offices 12/11/00 (00-024) |
|------|--|

1000 Regional Office Program Interfaces

| | |
|------|---|
| 1007 | Interfacing Activities between Regional Offices of NRC and OSHA 02/11/04 (04-006) |
|------|---|

1100 Notifications of Meetings and Conferences

| | |
|------|---|
| 1120 | Preliminary Notifications 06/09/09 (09-014) |
|------|---|

PART
CHAPTER

1200 Inspector Requirements

- 1201 Conduct of Employees 10/28/11 (11-023)
- 1202 Senior Resident Inspector Site Turnover 10/31/08 (08-031)
- 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)
- 0220, 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 12/01/04 (04-027)
- 1245 Qualification Program for Operating Reactor Programs 12/29/11 (11-044)
- 1245, Att 1 General Overview of the Inspector Training and Qualification Program 12/29/11 (11-044)
- 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 12/29/11 (11-044)
- 1245, App B General Proficiency-Level Training and Qualification Journal 12/29/11 (11-044)
- 1245, App C1 Reactor Operations Inspector Technical Proficiency Training and Qualification Journal 12/29/11 (11-044)
- 1245, App C2 Reactor Engineering Inspector Technical Proficiency Training and Qualification Journal 12/29/11 (11-044)
- 1245, App C3 Health Physics Inspector Technical Proficiency Training and Qualification Journal 07/08/09 (09-017)
- 1245, App C4 Reactor Safeguards Inspector Technical Proficiency Qualification Journal 04/05/02 (02-014)
- 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 07/08/09 (09-017)
- 1245, App C7 Fire Protection Inspector Technical Proficiency Training and Qualification Journal 12/29/11 (11-044)
- 1245, App C8 Vendor Inspector Technical Proficiency Qualification Journal 01/10/08 (08-001)

PART

CHAPTER

- 1245, App C9 Senior Reactor Analyst Training and Qualification Program
07/08/09 (09-017)
- 1245, App C10 Operator Licensing (OL) Examiner Technical Proficiency
Training and Qualification Journal 12/29/11 (11-044)
- 1245, App C11 Security Risk Analyst Technical Proficiency Training and
Qualification Journal 04/09/09 (09-011)
- 1245 App C12 Safety Culture Assessor Training and
Qualification Journal 10/13/11 (11-020)
- 1245, App D1 Maintaining Qualifications 12/29/11 (11-044)
- 1245, App D2 Inservice Inspection Advanced-Level Training 07/08/09 (09-017)
- 1245, App D3 Fire Protection Advanced-Level Training 12/29/11 (11-044)
- 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 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 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)
- 1246 App E1 Training Requirements and Qualification Journal for Material
License Reviewer 10/26/11 (11-022)
- 1246 App E2 Training Requirements and Qualification Journal for Materials
Health Physics inspector 10/26/11 (11-022)
- 1246 App E3 Training Requirements and Qualification Journal for Division of
Waste Management Inspector and License Reviewer 10/26/11
(11-022)
- 1246 App E4 Training Requirements and Qualification Journal for
Decommissioning inspector 10/26/11 (11-022)

PART

CHAPTER

- 1246 App E5 Training Requirements and Qualification Journal for Division of Waste Management Decommissioning Project Manager/Technical Reviewer 10/26/11 (11-022)
- 1246 App E6 Training Requirements and Qualification Journal for Materials Exempt Distribution License Reviewer 10/26/11 (11-022)
- 1246 App E7 Training Requirements and Qualification Journal for Uranium Recovery Inspector 10/26/11 (11-022)
- 1246 App E8 Training Requirements and Qualification Journal for Uranium Recovery Project Manager/Technical Reviewer 10/26/11 (11-022)
- 1246 App E9 Training Requirements and Qualification Journal for Byproduct Material Sealed Source and Device Technical Reviewer 10/26/11 (11-022)
- 1247 Qualification Program for Fuel Facility Inspectors in the Nuclear Material Safety and Safeguards Program Area 02/18/09 (09-006)
- 1247, App A Basic-Level Training and Certification Journal Fuel Facility Inspector 02/18/09 (09-006)
- 1247, App B General Proficiency-Level Training and Qualification Journal 02/18/09 (09-006)
- 1247, App C1 Fuel Facility Operations Inspector Technical Proficiency Training and Qualification Journal 02/18/09 (09-006)
- 1247, App C2 Fuel Facility Health Physics Inspector Technical Proficiency Training and Qualification Journal 02/18/09 (09-006)
- 1247, App C3 Fuel Facility Emergency Preparedness Inspector Technical Proficiency Training and Qualification Journal 02/18/09 (09-006)
- 1247, App C5 Fuel Facility Material Control & Accounting Inspector Technical Proficiency Training and Qualification Journal 02/18/09 (09-006)
- 1248 Reserved for Qualification Programs for Federal and State Materials and Environmental Management Programs
- 1252 Construction Inspector Training and Qualification Program 04/25/11 (11-007)
- 1252, App A Construction Inspector Basic-Level Training and Certification Journal 04/25/11 (11-007)
- 1252, App B Construction Inspector General Proficiency-Level Training and Qualification Journal 04/25/11 (11-007)
- 1252, App C Construction Inspector Post Qualification Requirements, Continuing and Refresher Training 04/25/11 (11-007))

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)

PART

CHAPTER

| | |
|------------|--|
| 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 | <u>Reserved</u> |
| 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 Following a Natural Disaster 09/16/11 (11-017) |
| 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> |
| 2201 | Security Inspection Program for Commercial Nuclear Power Reactors 09/08/09 (09-021) |
| 2201 App A | Security Baseline Inspection Program 02/24/10 (10-007) |
| 2201 App B | Supplemental Inspection Program 11/15/11 (11-034) |
| 2201 App C | Generic, Special, and Infrequent Inspections 09/08/09 (09-021) |

PART

CHAPTER

2201 App D Facility Status Reviews for Security and Safeguards Inspection Program 09/08/09 (09-021)

2201/001 Inspection of Additional Security Measures for Radioactive Material Quantities of Concern 09/18/06 (06-024)

2201/001 App B Inspection Requirements and Guidance for Handling and Protection of Safeguards Information - Modified Handling 09/18/06 (06-024)

2201/001 App C Radioactive Material Quantities of Concern Security Inspection Record 09/18/06 (06-024)

2201/002 Inspection of Transition of Contract Security to Proprietary Security Force 04/09/09 (09-011)

2201/003 Reserved for Fitness for Duty Part 26 Subpart K

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

2500/16 Inspection to determine if a Potential Seismic Interaction Exists Between the Movable In-Core Flux Mapping System and Seal Table at Westinghouse Designed Facilities or Facilities with Similar Designs 06/13/86 (reactivated 09-015)

2500/19 Inspection of Licensee's Actions Taken to Implement Unresolved Safety Issue A-26: Reactor Vessel Pressure Transient Protection for Pressurized Water Reactors 11/14/86 (reactivated 09-015)

2500 Reactor Inspection Program 11/06/86 (reactivated 09-020)

2500/020, Rev. 2 Inspection to Determine Compliance with ATWS Rule, 10 CFR 50.62 08/06/03 (reactivated 09-015)

2500/26 Inspection Requirements for NRC Compliance Bulletin 87-02, "Fastener Testing to Determine Conformance with Applicable Material Specifications 11/20/87 (reactivated 09-025)

PART

CHAPTER

| | |
|-----------------|---|
| 2500/27 | Inspection Requirements for NRC Compliance Bulletin 87-02, "Fastener Testing to Determine Conformance with Applicable Material Specifications 05/22/89 (reactivated 09-025) |
| 2501 | Construction Inspection Program: Early Site Permit (ESP) 10/03/07 (07-030) |
| 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) 10/03/07 (07-030) |
| 2504 | Construction Inspection Program - Inspection of Construction and Operational Programs 10/15/09 (09-024) |
| 2505 | Periodic Assessment of Construction Inspection Program Results 09/09/10 (10-019) |
| 2505P | Periodic Assessment of Construction Inspection Program Results – Pilot 12/21/11 (11-042) |
| 2506 | Construction Reactor Oversight Process General Guidance and Basis Document 10/29/11 (11-026) |
| 2507 | Construction Inspection Program: Vendor Inspections 04/25/11 (11-007) |
| 2508 | Construction Inspection Program: Design Certification 10/03/07 (07-030) |
| 2512 | Light Water Reactor Inspection Program - Construction Phase 12/17/86 (reactivated 07-032) |
| 2512/07, Rev. 2 | Regional Construction Assessment Team Inspections 01/27/84 (reactivated 08-004) |
| 2512/15 | Inspection of Watts Bar Nuclear Plant Employee Concerns Program 11/18/85 (reactivated 08-004) |
| 2512/016 | Inspection of Watts Bar Nuclear Plant Cable Issues Corrective Action Program Plan 07/13/92 (reactivated 08-004) |
| 2512/017 | Inspection of Watts Bar Nuclear Plant Cable Tray and Supports Corrective Action Program Plan 07/13/92 (reactivated 08-004) |
| 2512/018 | Inspection of Watts Bar Nuclear Plant Electrical Conduit and Supports Corrective Action Program Plan 07/13/92 (reactivated 08-004) |
| 2512/019 | Inspection of Watts Bar Nuclear Plant Design Baseline Corrective Action Program Plan 07/13/92 (reactivated 08-004) |
| 2512/020 | Inspection of Watts Bar Nuclear Plant Electrical Issues Corrective Action Program Plan 07/13/92 (reactivated 08-004) |
| 2512/021 | Inspection of Watts Bar Nuclear Plant Equipment Seismic Corrective Action Program Plan 07/13/92 (reactivated 08-004) |
| 2512/022 | Inspection of Watts Bar Nuclear Plant Fire Protection Corrective Action Program Plan 07/13/92 (reactivated 08-004) |
| 2512/023 | Inspection of Watts Bar Nuclear Plant Hanger Update Corrective Action Program Plan 07/13/92 (reactivated 08-004) |
| 2512/024 | Inspection of Watts Bar Nuclear Plant Heat Code Traceability Corrective Action Program Plan 07/13/92 (reactivated 08-004) |

PART

CHAPTER

| | |
|------------|--|
| 2512/025 | Inspection of Watts Bar Nuclear Plant HVAC Duct and Supports Corrective Action Program Plan 07/13/92 (reactivated 08-004) |
| 2512/026 | Inspection of Watts Bar Nuclear Plant Instrument Lines Corrective Action Program Plan 07/13/92 (reactivated 08-004) |
| 2512/027 | Inspection of Watts Bar Nuclear Plant Piece Parts/Procurement Corrective Action Program Plan 07/13/92 (reactivated 08-004) |
| 2512/028 | Inspection of Watts Bar Nuclear Plant QA Records Corrective Action Program Plan 07/13/92 (reactivated 08-004) |
| 2512/029 | Inspection of Watts Bar Nuclear Plant Q-List Corrective Action Program Plan 07/13/92 (reactivated 08-004) |
| 2512/030 | Inspection of Watts Bar Nuclear Plant Seismic Analysis Corrective Action Program Plan 07/13/92 (reactivated 08-004) |
| 2512/031 | Inspection of Watts Bar Nuclear Plant Vendor Information Corrective Action Program Plan 07/13/92 (reactivated 08-004) |
| 2512/032 | Inspection of Watts Bar Nuclear Plant Welding Corrective Action Program Plan 07/13/92 (reactivated 08-004) |
| 2512/033 | Inspection of Watts Bar Nuclear Plant Concrete Quality Special Program 07/13/92 (reactivated 08-004) |
| 2512/034 | Inspection of Watts Bar Nuclear Plant Containment Cooling Special Program 07/13/92 (reactivated 08-004) |
| 2512/035 | Inspection of Watts Bar Nuclear Plant Control Room Design Review Special Program 07/13/92 (reactivated 08-004) |
| 2512/036 | Inspection of Watts Bar Nuclear Plant Environmental Qualification Special Program 07/13/92 (reactivated 08-004) |
| 2512/037 | Inspection of Watts Bar Nuclear Plant Master Fuse List Special Program 07/13/92 (reactivated 08-004) |
| 2512/038 | Inspection of Watts Bar Nuclear Plant Mechanical Equipment Qualification Special Program 07/13/92 (reactivated 08-004) |
| 2512/039 | Inspection of Watts Bar Nuclear Plant Microbe Induced Corrosion Special Program 07/13/92 (reactivated 08-004) |
| 2512/040 | Inspection of Watts Bar Nuclear Plant Moderate Energy Line Break Special Program 07/13/92 (reactivated 08-004) |
| 2512/041 | Inspection of Watts Bar Nuclear Plant Radiation Monitoring System Special Program 07/13/92 (reactivated 08-004) |
| 2512/042 | Inspection of Watts Bar Nuclear Plant Soil Liquefaction Special Program 07/13/92 (reactivated 08-004) |
| 2512/043 | Inspection of Watts Bar Nuclear Plant Use-As-Is CAQRS Special Program 07/13/92 (reactivated 08-004) |
| 2512 App I | Light Water Reactor Inspection Program - Construction Phase – Procedure List 10/16/07 (07-032) |
| 2513 | Light Water Reactor Inspection Program – Preoperational Testing and Operational Preparedness Phase 08/05/08 (Reactivated 08-023) |
| 2513 App A | Light Water Reactor – Preoperational Testing Phase 08/05/08 (reactivated 08-023) |

PART

CHAPTER

| | |
|--------------------|---|
| 2513 App B | Light Water Reactor – Operational Preparedness Phase 08/05/08 (reactivated 08-023) |
| 2514 | Light Water Reactor Inspection Program - Startup Testing Phase 08/21/89 (89-013) |
| 2514 App A | Startup Test Program Inspection Procedures 04/15/94 (94-018) |
| 2515 | Light Water Inspection Program - Operations Phase 09/24/09 (09-022) |
| 2515 App A | Risk-Informed Baseline Inspection Program 10/28/11 (11-023) |
| 2515 App B | Supplemental Inspection Program 08/18/11 (11-013) |
| 2515 App C | Special and Infrequently Performed Inspections 10/21/11 (11-021) |
| 2515 App D | Plant Status 02/02/10 (10-004) |
| 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) |
| 2515/28 | Inspection Requirements to Review Licensee Actions Taken in Response to IE Bulletin 79-02, Revision No. 07/01/79 (reactivated 09-015) |
| 2515/29 | Inspection Requirements for IEB 79-14 09/14/79 (reactivated 09-015) |
| 2515/30 | Inspection Requirements To Review PWR Licensee Actions Taken in Response to IE Bulletin No. 79-21 09/14/79 (reactivated 09-015) |
| 2515/37 | Inspection Requirements To Review Licensee Actions Taken in Response to IE Bulletin 80-11, Masonry Wall Design 07/03/80 (reactivated 09-015) |
| 2515/64, Rev. 1 | Near-Term Inspection Followup to Generic Letter 83-28 04/04/85 (reactivated 09-015) |
| 2515/65, Rev. 2 | TMI Action Plan Requirement Followup 07/10/90 (reactivated 09-015) |
| 2515/66 | Inspection Requirements for IE Bulletin 84-03, 'Refueling Cavity Water Seals 12/17/84 (reactivated 09-015) |
| 2515/69 | Inspection of Response to IE Bulletin 85-01 12/20/85 (reactivated 09-015) |
| 2515/71 | Inspection of Licensees' Actions in Response to IE Bulletin 82-02 12/20/85 (reactivated 09-015) |
| 2515/72 | Inspection of Response to IE Bulletin 85-02 12/20/85 (reactivated 09-015) |
| 2515/87 | Inspection of Licensee's Implementation of Multiplant Action A-17: Instrumentation for Nuclear Power Plants To Access Plant and Enviroms Conditions During and Following an Accident (Regulatory Guide 1.97) 09/17/90 (reactivated 09-015) |
| 2515/88 | Inspection of Licensee's Actions Taken to Implement NRC Guidelines for Protection from Flooding of Equipment Important to Safety 04/06/87 (reactivated 09-015) |
| 2515/91 | Inspection Followup to Generic Letter 83-28, Item 4.1 04/06/87 (reactivated 09-015) |

PART

CHAPTER

| | |
|---------------------|--|
| 2515/101 | Loss of Decay Heat Removal (Generic Letter No. 88-17) 10 CFR 50.54(f) (reactivated 09-015) |
| 2515/103 | Loss of Decay Heat Removal (Generic Letter No. 88-17) 10 CFR 50.54(f) – Programmed Enhancements (Long Term) Review 12/18/89 (reactivated 09-015) |
| 2515/105 | Inspection of Licensee Activities in Reference to NRC Bulletin 88-04 – Potential Safety-Related Pump Loss 05/14/90 (reactivated 09-015) |
| 2515/107 | Electrical Distribution System Functional Inspection (EDSFI) 10/19/90 (reactivated 09-015) |
| 2515/109, Rev. 4 | Inspection Requirements for Generic Letter 89-10, Safety-Related Motor-Operated Valve Testing and Surveillance 07/23/98 (reactivated 09-015) |
| 2515/110, Rev.1 | Performance of Safety-Related Check Valves 11/15/93 (reactivated 09-015) |
| 2515/111 | Electrical Distribution System Followup Inspection 08/06/03 (reactivated 09-015) |
| 2515/113 | Reliable Decay Heat Removal During Outages 11/18/91 (reactivated 09-015) |
| 2515/114 | Inspection Requirements for Generic Letter 89-04, Acceptable Inservice Testing Programs 01/15/92 (reactivated 09-015) |
| 2515/118, Rev. 2 | Service Water System Operational Performance Inspection (SWSOPI) 03/17/95 (reactivated 09-015) |
| 2515/120 | Inspection of Implementation of Station Blackout Rule Multi-plant Action Item A-22 09/24/93 (reactivated 09-015) |
| 2515/139 | Inspection of Licensee's Implementation of Generic Letter 96-01 - Testing of Safety Related Logic Circuits 07/23/98 (reactivated 09-015) |
| 2515/140 | Periodic Verification of Design-Basis Capability of Safety-Related Motor-Operated Valves (GL 96-05) 09/29/98 (reactivated 09-015) |
| 2515/142 | Draindown During Shutdown and Common-Mode Failure (NRC Generic Letter 98-02) 06/18/99 (reactivated 09-015) |
| 2515/145 | Circumferential Cracking of Reactor Pressure Vessel Head Penetration Nozzles (NRC Bulletin 2001-01) 09/20/01 |
| 2515/147 | Expanded Table-Top Drill Evaluation 08/14/02 (02-030) (Note this TI contains safeguards material) |
| 2515/148 Rev. 2 | Inspection of Nuclear Reactor Safeguards - Interim Compensatory Measures 03/19/03 (03-009) |
| 2515/150 Rev. 3 | Reactor Pressure Vessel Head and Vessel Head Penetration Nozzles (NRC Order EA-03-009) 02/18/05 (05-006) |
| 2515/151 | Expanded Pilot Force-on-Force Exercise Evaluation 02/06/03 (03-002) |
| 2515/152, Rev. 1 | Reactor Pressure Vessel Lower Head Penetration Nozzles (NRC Bulletin 2003-02) 11/15/03 (reactivated 09-015) |
| 2515/153, Rev. 1 | Reactor Containment Sump Blockage (NRC Bulletin 2003-01) 02/18/05 (reactivated 09-015) |

PART

CHAPTER

| | |
|--------------------|--|
| 2515/155 | Mark I and Mark II Containment Vulnerabilities 12/12/03 (03-040) (Note: TI withheld from public disclosure since it contains sensitive security information) |
| 2515/158 | Functional Review of Low Margin/Risk Significant Components and Human Actions 06/14/04 (04-017) |
| 2515/160 | Affecting Safety-Related Equipment 07/29/04 (04-021) Pressurizer Penetration Nozzles and Steam Space Piping Connections in U.S. Pressurized Water Reactors (NRC Bulletin 2004-01) 10/06/04 (reactivated 09-015) |
| 2515/162 | Safeguards Information 04/13/05 (05-010) |
| 2515/164 | Inspection of Nuclear Reactor Safeguards Interim Compensatory Measures - Section B.5.b of the February 25, 2002, Order [Safeguards Information] 06/28/05 (05-017) |
| 2515/165 | Operational Readiness of Offsite Power and Impact on Plant Risk 03/03/06 (reactivated 09-025) |
| 2515/166 Rev. 1 | Pressurized Water Reactor Containment Sump Blockage [NRC Generic Letter 2004-02] 05/16/07 (07-016) |
| 2515/168 | Closeout Inspection of Nuclear Reactor Safeguards Interim Compensatory Measures - Section B.5.b of the February 25, 2002, Orders. [Safeguards Information] 05/19/06 (06-012) |
| 2515/171 Rev. 1 | Verification of Site Specific Implementation of B.5.b Phase 2 & 3 Mitigating Strategies 07/25/08 (08-020) |
| 2515/172 Rev. 1 | Reactor Coolant System Dissimilar Metal Butt Welds 05/27/10 (10-014) |
| 2515/173 Rev. 1 | Review of the Implementation of the Industry Ground Water Protection Voluntary Initiative 10/31/08 (08-031) |
| 2515/174 | Hydrogen Igniter Backup Power Verification 02/12/08 (08-007) |
| 2515/175 | Emergency Response Organization, Drill/Exercise Performance Indicator, Program Review 06/05/08 (08-017) |
| 2515/176 | Emergency Diesel Generator Technical Specification Surveillance Requirements Regarding Endurance and Margin Testing 05/16/08 08-015 |
| 2515/177 Rev. 1 | Managing Gas Accumulation in Emergency Core Cooling, Decay Heat Removal, And Containment Spray Systems (NRC Generic Letter 2008-01) 03/17/10 (10-009) |
| 2515/178 | Risk Management Technical Specifications Initiative 5b Surveillance Frequency Control Program 05/15/09 (09-013) |
| 2515/179 Rev. 1 | Verification of Licensee Responses To NRC Requirement 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) |
| 2515/181 | Validate the Effectiveness of the Regulatory Infrastructure Related to Fire-Induced Circuit Failures and Operator Manual Actions 04/14/10 (10-011) |
| 2515/182 | Review of the Implementation of the Industry Initiative to Control Degradation of Underground Piping and Tanks 11/17/11 (11-036) |

PART

CHAPTER

| | |
|----------|---|
| 2515/185 | Followup to the Review of the Implementation of the Industry Ground Water Protection Voluntary Initiative 12/19/11 (11-041) |
| 2515/186 | Reserved for Inspection of Procedures and Processes for Responding to Potential Aircraft Threats |
| 2516 | Policy and Guidance for the License Renewal Inspection Programs 02/18/05 (05-006) |
| 2516/001 | Review of License Renewal Activities 03/30/11 (11-004) |
| 2517 | Watts Bar Unit 2 Construction Inspection Program 04/30/10 (10-013) |
| 2518 | Reserved for Construction Inspection Program: Advanced Reactors, Pre Construction Permit (CP) |
| 2519 | Reserved for Construction Significance Determination Process |
| 2519P | Construction Significance Determination Process – Pilot 12/21/11 (11-042) |
| 2522 | Reserved for Construction Reactor Oversight Program Self-Assessment Process |
| 2523 | Application of Operating Experience in the Reactor Oversight Process 11/16/11 (11-035) |
| 2530 | Integrated Design Inspection Program 04/24/85 (reactivated 10-006) |
| 2535 | Design Verification Programs 03/24/89 (reactivated 10-006) |
| 2545 | Research and Test Reactor Inspection Program 06/23/04 (04-018) |
| 2561 | Decommissioning Power Reactor Inspection Program 04/14/03 (03-012) |
| 2561/003 | Re-Examination of Year 2000 (Y2K) Program Activities at Selected Decommissioning Reactors 11/30/99 (99-019) |
| 2561/004 | Safeguards and Emergency Preparedness Inspection of Interim Compensatory Measures at Decommissioning Power Reactors 04/22/03 (03-011) |

2600 Fuel Cycle Facility Inspection Program

| | |
|-------------|---|
| 2600 | Fuel Cycle Facility Operational Safety and Safeguards Inspection Program 01/27/10 (10-003) |
| 2600, App A | Guidance For Conducting Fuel Cycle Inspections 08/15/07 (07-025) |
| 2600, App B | NRC Core Inspection Requirements, Tables 1 and 2 11/07/11 (11-028) |
| 2600, App C | Fuel Cycle Resident Inspection Program 04/27/10 (10-012) |
| 2600, App D | Fuel Cycle Facility Inspection Planning 03/21/08 (08-011) |
| 2600/014 | Reserved for Inspection Guidance for Applying Safety Culture Components Within the Inspection and Enforcement Program for Fuel Cycle Facilities 09/30/11 (11-018) |
| 2600/015 | Reserved for Beyond Safety Basis Events Due to Natural Phenomena at Fuel Cycle Facilities |
| 2601 | Team Assessments of Fuel Cycle and Materials Licensees 05/04/90 (90-004) |

PART

CHAPTER

| | |
|----------|---|
| 2602 | Decommissioning Oversight and Inspection Program for Fuel Cycle Facilities and Materials Licensees 07/29/08 (08-021) |
| 2604 | Licensee Performance Review 06/28/02 (02-024) |
| 2606 | Reserved for Assessment of the Change in Risk Resulting From a Non-Compliance at a Fuel Cycle Facility |
| 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 05/18/05 (05-0013) |
| 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) |
| 2681 | Physical Protection and Transport of SNM and Irradiated Fuel Inspections of Fuel Facilities 01/27/10 (10-003) |
| 2682 | Technical Assistance for Safeguards MC&A Inspections at Fuel Facilities 06/18/84 (84-18) |
| 2683 | MC&A Safeguards Inspection of Fuel Facilities 07/22/99 (99-011) |
| 2689/009 | 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) |
| 2690 | Inspection Program for Dry Storage of Spent Reactor Fuel at Independent Spent Fuel Storage Installations and for 10 CFR Part 71 Transportation Packagings 11/09/09 (09-026) |
| 2690/008 | Inspection of Additional Security Measures for Dry Cask Storage at Independent Spent Fuel Storage Installation(s) Located Within the Protected Area of an Operating Reactor Facility 10-018 (09/02/10) (Note: This TI contains safeguards material.) |
| 2690/009 | Inspection of Additional Security Measures for Dry Cask Storage at Independent Spent Fuel Storage Installation(s) at an Operating Reactor Facility on the Owner Controlled Area Outside of the Reactor Protected Area 10-018 (09/02/10) (Note: This TI contains safeguards material.) |
| 2960/010 | Inspection of Safeguards Compensatory Measures for Dry Cask Storage at Independent Spent Fuel Storage Installation(s) Not Co-Located at an Operating Reactor Facility 10-018 (09/02/10) (Note: This TI contains safeguards material.) |
| 2694 | USEC Inc. Gas Centrifuge Facility Construction and Pre-operational Readiness Review Inspection Programs 05/16/07 (07-016) |
| 2696 | Louisiana Energy Services Gas Centrifuge Facility Construction and Pre-Operational Readiness Review Inspection Programs 10/19/06 (06-028) |

PART
CHAPTER

2700 Licensee Contractor and Vendor Inspection Program

2700 Vendor Inspection Program (VIP) 10/29/90 (90-013)

2800 Materials Inspection Program

2800 Materials Inspection Program 11/15/10 (10-023)

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 07/14/05 (05-019)
Rev. 1

2800/038 Inspection of the Implementation of Increased Controls for
Licensees Authorized to Possess Risk Significant Radioactive
Material 03/30/06 (06-008)

2800/039 Verification of Licensee Responses to NRC Requirement 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) 04/09/09 (09-011)

2800/040 Material Control and Accounting at Nuclear Power Plants and Wet
Storage Sites 03/07/11 (11-002)

2801 Uranium Mill 11e.(2) Byproduct Material Disposal Site and Facility
Inspection Program 08/25/00 (00-014)

2810 Master Materials License Inspection Program
09/15/03 (03-034)

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 Performance Appraisal Program

2901 Team Inspections 08/24/01 (01-016)

2920 Construction Appraisal Team Inspection Program 03/29/85 (85-11)

3000 Management Meetings

30050 Construction Permit Corporate Management Meeting 04/01/80
(reactivated 07-034)

30703 Management Meetings - Entrance and Exit Interviews 01/01/82
(reactivated 08-008)

PART
CHAPTER

| | |
|--------|---|
| 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> |
| 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) |
| 35005 | Pre-Application Quality Assurance Program Audit 10/03/07 (07-030) |
| 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 12/13/10 (10-026) |
| 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) |
| 35060 | Licensee Management of QA Activities 04/01/83 (reactivated 07-032) |
| 35061 | In-Depth QA Inspection of Performance 11/19/85 (reactivated 07-034) |
| 35065 | Procurement, Receiving, and Storage 04/01/83 (Reactivated 07-032) |
| 35101 | QA Program Implementation Inspection for Operational Programs 10/03/07 (07-030) |

PART

CHAPTER

| | |
|-------|---|
| 35301 | Preoperational Testing - Quality Assurance 08/06/03 (03-028) |
| 35501 | QA for the Startup Test Program 01/20/84 (84-04) |
| 35701 | Quality Assurance Program Review 09/17/01 (01-017) |
| 35750 | QA Program Measuring and Test Equipment 04/14/92 (reactivated 08-032) |
| 35960 | QA Program Evaluation of Engineering Organization 10/01/82 (reactivated 07-034) |
| 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 02/13/12 (12-002) |
| 36100.01 | Inspection of 10 CFR Part 21 and Programs for Reporting Defects and Noncompliance During Construction 02/13/12 (12-002) |
| 36301 | Operational Staffing 07/01/77 (reactivated 08-032) |
| 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 Design, Design Changes, Modifications

| | |
|-------|--|
| 37002 | Construction Refurbishment Process - Watts Bar Unit 2 02/05/10 (10-005) |
| 37051 | Verification of As-Builts 12/04/87 (reactivated 07-032) |
| 37055 | Onsite Design Activities 04/01/83 (reactivated 07-032) |
| 37060 | Reserved for Inspections under the 10CFR Part 50.69 Special Program 09/14/11 (11-016) |
| 37301 | Comparison of As-Built Plant to FSAR Description 03/22/85 (reactivated 08-032) |
| 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 Procurement

| | |
|-------|---|
| 38703 | Commercial Grade Dedication 04/08/96 (96-007) |
|-------|---|

3900 Records

| | |
|-------|-----------------------------------|
| 39701 | Records Program 09/17/01 (01-017) |
|-------|-----------------------------------|

PART
CHAPTER

4000 Review and Audit

- 40001 Resolution of Employee Concerns 06/03/97 (97-006)
- 40002 Inspections to Review Allegations 06/28/02 (02-024)
- 40100 Independent Safety Culture Assessment Followup 04/05/11 (11-005)
- 40504 Part 52, Identification and Resolution of Construction Problems 10/03/07 (07-030)
- 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 03/17/10 (10-009)
- 40801 Self-Assessment, Auditing, and Corrective Action at Permanently Shutdown Reactors 08/11/97 (97-012)

4100 Training

- 41301 Pre-Licensing Review of Training and Qualification Programs 02/18/87 (reactivated 08-032)
- 41500 Training and Qualification Effectiveness 06/13/95 (95-007)
- 41501 Part 52, Review of Training and Qualification Programs 04/25/11 (11-007))
- 41502 Reserved for Nuclear Power Plant Simulation Facilities

4200 Procedures

- 42001 Emergency Operating Procedures 06/28/91 (91-009)
- 42051 Fire Prevention and Protection 10/01/77 (reactivated 08-004)
- 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 Procedures 07/29/08 (08-021)
- 42700 Plant Procedures 11/15/95 (95-015)

4300 Vendor Procedures

- 43001 Reactive Inspection of Nuclear Vendors 10/11/94 (94-018)
- 43002 Routine Inspections of Nuclear Vendors 04/25/11 (11-007)
- 43003 Reactive Inspections of Nuclear Vendors 04/25/11 (11-007)
- 43004 Inspection of Commercial-Grade Dedication Programs 04/25/11 (11-007)
- 43005 NRC Oversight of Third-Party Organizations Implementing Quality Assurance Requirements 04/25/11 (11-007)

PART

CHAPTER

4400 Reserved

4500 Geotechnical/Foundation

- 45051 Geotechnical/Foundation Activities Procedure Review
05/29/03 (03-018)
- 45051.A Geotechnical/Foundation Activities Procedure Review 03/23/84
(reactivated 08-004)
- 45052 Review of Geotechnical and Site Characterization Activities
10/03/07 (07-030)
- 45053 Geotechnical/Foundation Activities Work Observation 03/23/84
(reactivated 07-034)
- 45055 Geotechnical/Foundation Activities Record Review 03/23/84
(reactivated 07-034)

4600 Structural Concrete

- 46051 Structural Concrete Procedure Review 07/01/83 (reactivated 07-
034)
- 46053 Structural Concrete Work Observation 07/01/83 (reactivated 07-
034)
- 46055 Structural Concrete Record Review 07/01/83 (reactivated 07-034)
- 46061 Structural Masonry Construction 12/17/86 (reactivated 07-034)
- 46071 Concrete Expansion Anchors 12/17/86 (reactivated 07-034)

4700 Containment (Post-Tensioning)

4800 Structural Steel and Supports

- 48051 Structural Steel and Supports Procedure Review 12/17/86
(reactivated 07-032)
- 48053 Structural Steel and Supports Work Observation 12/17/86
(reactivated 07-032)
- 48055 Structural Steel and Supports Record Review 07/01/83
(reactivated 07-032)

PART
PROCEDURE

4900 Piping

- 49001 Inspection of Erosion/Corrosion Monitoring Programs
12/11/98 (98-019)
- 49051 Reactor Coolant Pressure Boundary Piping QA Review 08/16/82
(reactivated 07-032)
- 49053 Reactor Coolant Pressure Boundary Piping – Work Observation
11/19/85 (reactivated 07-032)
- 49055 Reactor Coolant Pressure Boundary Piping Record Review
08/16/82 (reactivated 07-034)
- 49061 Safety-Related Piping 10/01/82 (reactivated 07-034)
- 49063 Piping – Work Observation 11/19/85 (reactivated 07-034)
- 49065 Safety-Related Piping-Records Review 10/01/82
(reactivated 07-034)

5000 Mechanical Components and Equipment

- 50001 Steam Generator Replacement Inspection 11/08/11 (11-031)
- 50002 Steam Generators 12/31/96 (96-024)
- 50003 Pressurizer Replacement Inspection 07/07/05 (05-018)
- 50051 Reactor Vessels and Internals QA Review 08/16/82 (reactivated
07-034)
- 50053 Reactor Vessel and Internals Work Observation 08/16/82
(reactivated 07-034)
- 50054 Reactor Vessel Material Surveillance Program 12/04/08 (08-034)
- 50055 Reactor Vessel and Internals Record Review 08/16/82 (reactivated
07-034)
- 50054 Reserved for Reactor Vessel Material Surveillance Program
- 50071 (Safety-Related Components – Procedure Review 04/01/83
(reactivated 07-034)
- 50073 Mechanical Components – Work Observation 11/19/85 (reactivated
07-034)
- 50075 Safety Related Components – Records Review 04/01/83
(reactivated 07-034)
- 50090 Pipe Support and Restraint Systems 08/06/03 (03-028)
- 50095 Spent Fuel Storage Racks 03/14/94 (reactivated 07-034)
- 50100 Heating, Ventilating, and Air Conditioning Systems
08/06/03 (03-028)

5100 Electrical Components and Systems

- 51051 Electrical Components and Systems – Procedure Review 03/30/84
(reactivated 07-034)
- 51053 Electrical Components and systems - Work Observation
08/06/03 (03-028)

PART
PROCEDURE

| | |
|-------|--|
| 51055 | Electrical Components and Systems - Record Review 08/06/03 (03-028) |
| 51061 | Electrical Cable - Procedure Review 08/06/03 (03-028) |
| 51063 | Electric Cable – Work Observation 11/19/85 (reactivated 07-034) |
| 51065 | Electric Cable – Record Review 03/30/84 (reactivated 07-034) |
| 51080 | Equipment Qualification 11/07/11 (11-029) |

5200 Instrumentation Systems and Components

| | |
|-------|---|
| 52003 | Digital Instrumentation and Control Modification Inspection 10/31/08 (08-031) |
| 52051 | Instrument Components and Systems – Procedure Review 03/30/84 (reactivated 07-034) |
| 52053 | Instrument Components and Systems – Work Observation 03/30/84 (reactivated 07-034) |
| 52055 | Instrument Components and Systems – Record Review 03/30/84 (reactivated 07-034) |

5300 Containment Penetrations

| | |
|-------|---|
| 53051 | Containment Penetrations (Mechanical) Procedure Review 01/27/84 (reactivated 07-034) |
| 53053 | Containment Penetrations (Mechanical) Work Observation 01/27/84 (reactivated 07-034) |
| 53055 | Containment Penetrations (Mechanical) Record Review 01/17/84 (reactivated 07-034) |

5400 Cleanliness

5500 Welding

| | |
|-------|--|
| 55050 | Nuclear Welding General Inspection Procedure 06/20/83 (83-06) |
| 55093 | Reactor Vessels Internals (Welding) Observation of Welding and Associated Activities 07/01/7 (reactivated 07-034) |
| 55100 | Structural Welding General Inspection Procedure 06/20/83 (83-06) |
| 55150 | Weld Verification Checklist 06/20/83 (reactivated 07-034) |

5600 Calibration

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

PART
PROCEDURE

5700 Nondestructive Examination, Destructive Examination and Fabrication Testing

- 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
Examination Procedure Review/Work Observation/Record
Review 06/14/93 (93-005)

5800 Special Processes

5900 Reserve Shutdown System

6000 Fuel Fabrication, Handling and Storage

- 60501 Fuel Receipt and Storage 04/30/75 (reactivated 08-032)
- 60705 Preparation for Refueling 07/27/95 (95-009)
- 60710 Refueling Activities 07/27/95 (95-009)
- 60801 Spent Fuel Pool Safety at Permanently Shutdown Reactors
08/11/97 (97-012)
- 60845 Reserved for Operation of Intra-Unit Fuel Transfer Canister and
Cask System
- 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
ISFSI 01/16/08 (08-003)
- 60854 Preoperational Testing of an Independent Spent Fuel Storage
Installation 01/16/08 (08-003)
- 60854.1 Preoperational Testing of Independent Spent Fuel Storage
Facility Installation at Operating Plants 09/05/06 (06-022)
- 60855 Operation of an Independent Spent Fuel Storage Installation
01/16/08 (08-003)
- 60855.1 Operation of an Independent Spent Fuel Storage Installation at
Operating Plants 09/05/06 (06-022)
- 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
02/02/04 (04-003)
- 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
ISFSI Components
- 60860 Reserved for Nondestructive Examination Procedure Visual
Examination Procedure Review/Work Observation/Record Review
of Transportation and ISFSI Components

PART
PROCEDURE

- 60861 Reserved for Nondestructive Examination Procedure Liquid Penetrant Examination Procedure Review/Work Observation/Record Review of Transportation ISFSI Components
- 60862 Reserved for Nondestructive Examination Procedure Magnetic Particle Examination Procedure Review/Work Observation/Record Review of Transportation ISFSI Components
- 60863 Reserved for Nondestructive Examination Procedure Ultrasonic Examination Procedure Review/Work Observation/Record Review of Transportation ISFSI Components
- 60864 Reserved for Nondestructive Examination Procedure Radiographic Examination Procedure Review/Work Observation/Record Review of Transportation and ISFSI Components

6100 Surveillance

- 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 Determinations 10/11/85 (85-31)
- 61709 Total Power Coefficient of Reactivity at Pressurized 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 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)
- 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"
- 62708 Motor-Operated Valve Capability 09/12/00 (00-018)
- 62801 Maintenance and Surveillance at Permanently Shutdown Reactors 08/11/97 (97-012)

PART
PROCEDURE

6300 Construction Testing

63050 Containment Structural Integrity Test 07/01/83 (reactivated 07-034)

6400 Fire Prevention/Protection

64051 Procedures – Fire Prevention/Protection 07/01/79
 (reactivated 07-034)
64053 Fire Loop Installation 07/01/79 (reactivated 07-034)
64100 Postfire Safe Shutdown, Emergency Lighting and Oil Collection
 Capability at Operating and Near-Term Operating Reactor Facilities
 03/16/87 (reactivated 10-009)
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 10/03/07 (07-030)

6500 10 CFR Part 52 ITAAC Inspections

65001 Inspections of Inspections, Tests, Analyses, and Acceptance
 Criteria (ITAAC) Related Work 10/03/07 (07-030)
65001.A ITAAC Attributes for As-Built Inspection 10/03/07 (07-030)
65001.B Inspection of the ITAAC-Related Welding Program 08/19/08
 (08-024)
65001.C Inspection of the ITAAC-Related Construction Test Program
 10/03/07 (07-030)
65001.D Inspection of the ITAAC-Related Operational Testing Program
 08/05/09 (09-019)
65001.E Inspection of the ITAAC-Related Qualification Program 08/19/08
 (08-024)
65001.F Inspection of the ITAAC-Related Design and Fabrication
 Requirements 08/19/08 (08-024)
65001.01 Inspection of ITAAC-Related Foundations & Buildings 10/03/07
 (07-030)
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 04/18/08 (08-012)
65001.05 Inspection of ITAAC-Related Installation of Reactor Pressure
 Vessel and Internals 08/19/08 (08-024)
65001.06 Inspection of ITAAC-Related Installation o Mechanical Components
 04/18/08 (08-012)

PART
PROCEDURE

| | |
|----------|---|
| 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) |
| 65001.11 | Construction Inspection Program Inspection of ITAAC-Related Containment Integrity and Containment Penetration 08/19/08 (08-024) |
| 65001.12 | Inspection of ITAAC-Related Installation of Heating, Ventilating, and Air Conditioning Systems 07/29/08 (08-021) |
| 65001.13 | Inspection of ITAAC-Related Installation of Load Handling Equipment and Fuel Racks 08/05/09 (09-019) |
| 65001.14 | Inspection of ITAAC-Related Installation of Complex Systems with Multiple Components 07/29/08 (08-021) |
| 65001.15 | Inspection of ITAAC-Related Installation of Fire Protection Equipment 07/01/08 (08-019) |
| 65001.16 | Inspection of ITAAC-Related Engineering 10/03/07 (07-030) |
| 65001.17 | Inspection of ITAAC-Related Security Structures, Systems, and Components 10/15/09 (09-024) |
| 65001.18 | Inspection of Emergency Planning ITAAC 10/30/08 (08-030) |
| 65001.19 | Inspection of Installation of ITAAC-Related Radiation Monitoring Components and Systems 10/20/08 (08-029) |
| 65001.20 | Inspection of Safety-Related Piping Design Acceptance Criteria (DAC)-Related ITAAC 06/02/11 (11-009) |
| 65001.21 | Inspection of Pipe Rupture Hazard Analysis Design Acceptance Criteria (DAC) – Related ITAAC 11/07/11 (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 | Reserved for AP1000 HFE Integrated System Validation – |
| 65001.24 | Reserved for AP1000 HFE Task Support Verification – |
| 65001.25 | Reserved for AP1000 HFE Design Verification – |
| 65001.26 | Reserved for AP1000 HFE As-Built Configuration Verification – |
| 65051 | Low-Level Radioactive Waste Storage Facilities 06/13/86 (reactivated 07-034) |
| 6600 | <u>Reserved</u> |
| 6700 | <u>Reserved</u> |
| 6800 | <u>Reserved</u> |

PART
PROCEDURE

6900 Non-Power Reactor Inspection

| | |
|-------|--|
| 69001 | Class II Research and Test Reactors 02/03/04 (04-004) |
| 69002 | Class III Research and Test Reactors 02/03/04 (04-004) |
| 69003 | Class I Research and Test Reactor Operator Licenses, Requalification, and Medical Examinations 02/03/04 (04-004) |
| 69004 | Class I Research and Test Reactor Effluent and Environmental Monitoring 02/03/04 (04-004) |
| 69005 | Class I Research and Test Reactor Experiments 02/03/04 (04-004) |
| 69006 | Class I Research and Test Reactors Organization and Operations and Maintenance Activities 02/03/04 (04-004) |
| 69007 | Class I Research and Test Reactor Review and Audit and Design Change Functions 02/03/04 (04-004) |
| 69008 | Class I Research and Test Reactor Procedures 02/03/04 (04-004) |
| 69009 | Class I Research and Test Reactor Fuel Movement 02/03/04 (04-004) |
| 69010 | Class I Research and Test Reactor Surveillance 02/03/04 (04-004) |
| 69011 | Class I Research and Test Reactor Emergency Preparedness 02/03/04 (04-004) |
| 69012 | Class I Research and Test Reactors Radiation Protection 02/03/04 (04-004) |
| 69013 | Research and Test Reactor Decommissioning 02/03/04 (04-004) |

7000 Preoperational Testing

| | |
|-------|---|
| 70300 | Preoperational Test Procedure Test Review 10/01/83 (reactivated 08-032) |
| 70301 | Overall Preoperational Test Program Review Requirements 10/01/83 (reactivated 08-032) |
| 70302 | Preoperational Test Program Implementation 10/01/83 (reactivated 08-032) |
| 70304 | Engineered Safety Features Test - Preoperational Test Procedure Review 08/06/03 (03-028) |
| 70305 | Reactor Protection System Test Preoperational Test Procedure Review Preoperational Testing Procedure Verification 01/01/79 (reactivated 08-032) |
| 70306 | Loss of Offsite Power Test - Preoperational Test Procedure Review 01/01/79 (reactivated 09-003) |
| 70307 | Containment Integrated Leak Rate Test - Procedure Review 03/07/86 (86-13) |
| 70308 | Preoperational Hot Functional Testing - PWR Procedure Review 10/01/83 (reactivated 08-032) |
| 70311 | Preoperational Testing Procedure Verification 10/01/83 (reactivated 08-032) |
| 70312 | Preoperational Test Witnessing 10/01/83 (reactivated 08-032) |
| 70313 | Containment Integrated Leak Rate Test 11/12/85 (85-36) |
| 70314 | HFT Witnessing 10/01/81 (reactivated 08-032) |

PART
PROCEDURE

| | |
|-------|--|
| 70315 | Engineered Safety Features Test Preoperational Test Witnessing) 01/01/79 (reactivated 08-032) |
| 70316 | Loss of Offsite Power Test Preoperational Test Witnessing 01/01/79 (reactivated 08-032) |
| 70317 | Reactor Protection System Test Preoperational Test Witnessing 01/01/79 (reactivated 08-032) |
| 70323 | Containment Leak Rate Test Results Evaluation 10/03/85 (85-30) |
| 70324 | Preoperational Test Results Evaluation - Integrated Hot Functional Test 04/01/77 (reactivated 08-032) |
| 70325 | Preoperational Test Results Evaluation - Reactor Protection System 01/01/79 (reactivated 08-032) |
| 70326 | Preoperational Test Results Evaluation - Loss of Offsite Power 01/01/79 (reactivated 08-032) |
| 70329 | Preoperational Test Result Evaluation Verification 10/01/83 (reactivated 08-032) |
| 70331 | Vibration Test- Preoperational Test Procedure Review 01/01/79 (reactivated 09-003) |
| 70332 | Control Rod System Test - Preoperational Test Procedure Review 01/01/79 (reactivated 09-003) |
| 70333 | Chemical Control System Test - Preoperation Test Procedure Review 01/01/79 (reactivated 09-003) |
| 70334 | Engineered Safety Features Act. Sys.Test - Preoperational Test Procedure Review 01/01/79 (reactivated 09-003) |
| 70335 | Safety and Relief Valve Test - Preoperational Test Procedure Review 01/01/79 (reactivated 09-003) |
| 70336 | Residual / Decay Heat Removal System Test - Preoperational Test Review 01/01/79 (reactivated 09-003) |
| 70337 | Main Stream Isolation Valve Test - Preoperational Test Procedure Review) 01/01/79 (reactivated 09-003) |
| 70338 | Auxilliary Feedwater System Test -Preoperational Test Procedure Review 01/01/79 (reactivated 09-003) |
| 70339 | Component Cooling Water System Test - Preoperational; Test Procedure Review 01/01/79 (reactivated 09-003) |
| 70340 | D.C. Power System Test - Preoperational Test Procedure Review 01/01/79 (reactivated 09-003) |
| 70341 | Emergency/Standby Power Supply System Test - Preoperational Teat Procedure Review 01/01/79 (reactivated 09-003) |
| 70342 | Containment Combustable Gas Control System Test - Preoperational Test Procedure Review 01/01/79 (reactivated 09-003) |
| 70344 | Containment Isolation Vales Test - Preoperational Test Procedure Review 01/01/79 (reactivated 09-003) |
| 70345 | Containment Heat/Cool/Vent. System Test - Preoperational Test Procedure Review 01/01/79 (reactivated 09-003) |

PART

PROCEDURE

| | |
|-------|---|
| 70346 | Aux. Bldg. Heat /Cool/Vent. System Test - Preoperational Test Procedure Review 01/01/79 (reactivated 09-003) |
| 70347 | Pressurizer and Level Control System Test- Preoperational Test Procedure Review 01/01/79 (reactivated 09-003) |
| 70348 | Main Feedwater Control System Test - Preoperational Test Procedure Review 01/01/79 (reactivated 09-003) |
| 70349 | Reactor Coolant Leak Detection System Test - Preoperational Test Procedure Review 01/01/79 (reactivated 09-003) |
| 70350 | Loose Parts Monitoring System Test - Preoperational Test Procedure Review 01/01/79 (reactivated 09-003) |
| 70351 | Integrated Reactor Control System Test - Preoperational Test Procedure Review 01/01/79 (reactivated 09-003) |
| 70352 | Remote Reactor Shutdown Test - Preoperational Test Procedure Review 01/01/79 (reactivated 09-003) |
| 70353 | Cranes, Hoists and Lifting Equipment Test - Preoperational Test Procedure Review 01/01/79 (reactivated 09-003) |
| 70354 | Nuclear Instrumentation System Test - Preoperational Test Procedure Review 01/01/79 (reactivated 09-003) |
| 70355 | Compressed Gas System Test - Preoperational Test Procedure Review 01/01/79 (reactivated 09-003) |
| 70362 | Reactor Coolant System Hydrostatic Test Procedure Review 10/01/83 (reactivated 08-032) |
| 70367 | Reserved for Part 52 Pre-operational Test Program Implementation |
| 70368 | Part 52 Containment Leak Rate Testing (Programmatic) 11/07/11 (11-029) |
| 70369 | Reserved for Part 52 Containment Leak Rate Testing |
| 70370 | Testing Piping Support and Restraint Systems 03/07/86 (86-13) |
| 70371 | Reserved for Part 52 Testing of Pipe Support and Restraint System |
| 70400 | Preoperational Test Results Evaluation 10/01/83 (reactivated 08-032) |
| 70431 | Vibration Test - Preoperational Test Witnessing 01/01/79 (reactivated 09-003) |
| 70432 | Control Rod System Test - Preoperational Test Witnessing 01/01/79 (reactivated 09-003) |
| 70433 | Chemical Control System Test - Preoperational Test Witnessing 01/01/79 (reactivated 09-003) |
| 70434 | Engineered Safety Features Act. Sys. Test - Preoperational Test Witnessing 01/01/79 (reactivated 09-003) |
| 70435 | Safety and Relief Valves Test - Preoperational Test Witnessing 01/01/79 (reactivated 09-003) |
| 70436 | Residual / Decay Heat Removal System Test - Preoperational Test Witnessing 01/01/79 (reactivated 09-003) |
| 70437 | Main Stream Isolation Valve Test - Preoperational Test Witnessing 01/01/79 (reactivated 09-003) |
| 70438 | Auxilliary Feedwater System Test - Preoperational Test Witnessing 01/01/79 (reactivated 09-003) |
| 70439 | Component Cooling Water System Test - Preoperational Test Witnessing 01/01/79 (reactivated 09-003) |

PART
PROCEDURE

| | |
|-------|--|
| 70440 | D.C. Power System Test - Preoperational Test Witnessing 01/01/79 (reactivated 09-003) |
| 70441 | Emergency / Standby Power Supply System Test - Preoperational Test Witnessing 01/01/79 (reactivated 09-003) |
| 70442 | Containment Combustible Gas Control System Test - Preoperational Test Witnessing 01/01/79 (reactivated 09-003) |
| 70443 | Containment Spray System Test - Preoperational Test Witnessing 01/01/79 (reactivated 09-003) |
| 70444 | Containment Isolation Valve Test - Preoperational Test Witnessing 01/01/79 (reactivated 09-003) |
| 70445 | Containment Heat/Cool/Vent. System Test - Preoperational Test Witnessing 01/01/79 (reactivated 09-003) |
| 70446 | Auxiliary Bldg. Heat/Cool/Vent. System Test - Preoperational Test Witnessing |
| 70447 | Pressurizer and Level Control System Test - Preoperational Test Witnessing 01/01/79 (reactivated 09-003) |
| 70448 | Main Feedwater Control System Test - Preoperational Test Witnessing 01/01/79 (reactivated 09-003) |
| 70449 | Reactor Coolant Leak Detection System Test - Preoperational Test Witnessing 01/01/79 (reactivated 09-003) |
| 70450 | Loose Parts Monitoring System Test - Preoperational Test Witnessing 01/01/79 (reactivated 09-003) |
| 70451 | Integrated Reactor Control System Test - Preoperational Test Witnessing 01/01/79 (reactivated 09-003) |
| 70452 | Remote Reactor Shutdown Test - Preoperational Test Witnessing 01/01/79 (reactivated 09-003) |
| 70453 | Cranes, Hoists and Lifting Equipment Test - Preoperational Test Witnessing 01/01/79 (reactivated 09-003) |
| 70454 | Nuclear Instrumentation System Test - Preoperational Test Witnessing 01/01/79 (reactivated 09-003) |
| 70455 | Compressed Gas System Test - Preoperational Test Witnessing 01/01/79 (reactivated 09-003) |
| 70462 | Reactor Coolant System Hydrostatic Test - Test Witnessing 10/01/83 (reactivated 08-032) |
| 70562 | Reactor Coolant System Hydrostatic Test Results Evaluation 10/01/83 (reactivated 08-032) |
| 70701 | Reserved |
| 70702 | Reserved |

7100 Operations (License & TS Requirements)

| | |
|-------|---|
| 71002 | License Renewal Inspection 11/23/11 (11-038) |
| 71003 | Post-Approval Site Inspection for License Renewal 10/31/08 (08-031) |
| 71004 | Power Uprate 04/30/10 (10-013) |
| 71007 | Reactor Vessel Head Replacement Inspection 06/04/07 (07-018) |

PART
PROCEDURE

| | |
|------------|--|
| 71013 | Reserved for Review of License Renewal Commitments for Plants in Timely Renewal with Extended Delay in the NRC Review of Application |
| 71111 | Reactor Safety-Initiating Events, Mitigating Systems, Barrier Integrity 10/28/11 (11-025) |
| 71111.01 | Adverse Weather Protection (Effective 01/01/10) 11/09/09 (09-026) |
| 71111.04 | Equipment Alignment 10/28/11 (11-025) |
| 71111.05AQ | Fire Protection (Annual / Quarterly) 09/30/10 (10-020) |
| 71111.05N | Reserved for Fire Protection - NFPA 805 (Triennial) |
| 71111.05T | Fire Protection (Triennial) 10/28/11 (11-025) |
| 71111.05XT | Fire Protection - NFPA 805 (Triennial) 10/28/11 (11-025) |
| 71111.06 | Flood Protection Measures 10/28/11 (11-025) |
| 71111.07 | Heat Sink Performance 07/06/10 (10-015) |
| 71111.08 | In-service Inspection Activities 11/23/11 (11-038) |
| 71111.11 | Licensed Operator Requalification Program 12/06/11 (11-040) |
| 71111.12 | Maintenance Effectiveness 04/29/11 (11-008) |
| 71111.13 | Maintenance Risk Assessments and Emergent Work Control 10/28/11 (11-025) |
| 71111.15 | Operability Determinations and Functionality Assessments 10/28/11 (11-025) |
| 71111.17 | Evaluations of Changes, Tests, or Experiments and Permanent Plant Modifications 10/31/08 (08-031) |
| 71111.18 | Plant Modifications 12/21/10 (10-028) |
| 71111.19 | Post Maintenance Testing 11/08/11 (11-031) |
| 71111.20 | Refueling and Other Outage Activities (Effective 01/01/10) 11/09/09 (09-026) |
| 71111.21 | Component Design Bases Inspection 12/06/10 (10-025) |
| 71111.22 | Surveillance Testing 11/08/11 (11-031) |
| 71113 | Reserved for Review of License Renewal Commitments for Plants in Timely Renewal |
| 71114 | Reactor Safety-Emergency Preparedness 06/29/06 (06-016) |
| 71114.01 | Exercise Evaluation 06/29/06 (06-016) |
| 71114.02 | Alert and Notification System Evaluation 12/07/09 (09-031) |
| 71114.03 | Emergency Response Organization Augmentation Testing 08/24/07 (07-026) |
| 71114.04 | Emergency Action Level and Emergency Plan Changes 10/31/08 (08-031) |
| 71114.05 | Correction of emergency Preparedness Weaknesses and Deficiencies 10/25/06 (06-029) |
| 71114.06 | Drill Evaluation 10/25/06 (06-029) |
| 71114.07 | Emergency Preparedness Component, of the Force-On-Force (FOF) Exercise Evaluation 12/02/09 (09-029) |
| 71121 | Occupational Radiation Safety 03/06/02 (02-008) |
| 71121.01 | Access Control to Radiologically Significant Areas 03/06/02 (02-008) |
| 71121.02 | ALARA Planning and Controls 03/06/08 (02-008) |
| 71121.03 | Radiation Monitoring Instrumentation 03/06/02 (02-008) |
| 71122 | Public Radiation Safety 01/24/03 (03-001) |

PART

PROCEDURE

| | |
|----------|---|
| 71122.01 | Radioactive Gaseous and Liquid Effluent Treatment and Monitoring Systems 12/18/08 08-036 |
| 71122.02 | Radioactive Material Processing and Transportation 01/24/03 (03-001) |
| 71122.03 | Radiological Environmental Monitoring Program (REMP) 01/24/03 (03-001) |
| 71124 | Reserved for Radiation Safety - Public and Occupational 12/02/09 (09-030) |
| 71124.01 | Radiological Hazard Assessment and Exposure Controls 12/02/09 (09-030) |
| 71124.02 | Occupational ALARA Planning and Controls 12/02/09 (09-030) |
| 71124.03 | In-Plant Airborne Radioactivity Control and Mitigation 12/02/09 (09-030) |
| 71124.04 | Occupational Dose Assessment 12/02/09 (09-030) |
| 71124.05 | Radiation Monitoring Instrumentation 12/02/09 (09-030) |
| 71124.06 | Radioactive Gaseous and Liquid Effluent Treatment 12/02/09 (09-030) |
| 71124.07 | Public Radiation Safety 12/02/09 (09-030) |
| 71124.08 | Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation 12/02/09 (09-030) |
| 71130 | Security 02/24/10 (10-007) |
| 71130.01 | Access Authorization 02/24/10 (10-007) |
| 71130.02 | Access Control 02/24/10 (10-007) |
| 71130.03 | Contingency Response - Force-On-Force Testing 02/05/09 09-005 |
| 71130.04 | Equipment Performance, Testing and Maintenance 02/24/10 (10-007) |
| 71130.05 | Protective Strategy Evaluation 02/24/10 (10-007) |
| 71130.06 | Protection of Safeguards Information 01/07/10 (10-001) |
| 71130.07 | Security Training 02/24/10 (10-007) |
| 71130.08 | Fitness for Duty Program 01/07/10 (10-001) |
| 71130.10 | Reserved for Information Technology Security |
| 71130.11 | Material Control & Accounting (MC&A) 12/10/08 (08-035) |
| 71130.12 | Reserved for Physical Protection of Shipments of Irradiated Fuel |
| 71130.13 | Reserved for Security Inspections Conducted by Resident Inspectors |
| 71130.14 | Review of Power Reactor Target Sets 08/16/11 (11-012) |
| 71150 | Discrepant or Unreported Performance Indicator Data 01/04/07 (07-001) |
| 71151 | Performance Indicator Verification 12/23/11 (11-043) |
| 71152 | Problem Identification and Resolution 12/05/2011 (11-039) |
| 71153 | Follow-up of Events and Notices of Enforcement Discretion 12/05/2011 (11-039) |
| 71302 | Preoperational Test Program Implementation Verification 10/01/83 (reactivated 08-032) |
| 71303 | Part 52, Technical Specifications Review 10/20/08 (08-029) |
| 71714 | Cold Weather Preparations 09/17/01 (01-017) |

PART
PROCEDURE

| | |
|-------|--|
| 71715 | Sustained Control Room and Plant Observation 04/14/92 (92-004) |
| 71801 | Decommissioning Performance and Status Review at Permanently Shutdown Reactors 08/11/97 (97-012) |
| 71841 | Human Performance 12/12/00 (00-027) |

7200 Startup Testing

| | |
|--------|--|
| 72300 | Startup Test Procedure Review 01/20/84 (84-04) |
| 72301 | Startup Test Results Evaluation 01/20/84 (84-04) |
| 72302 | Startup Test Witnessing and Observation 01/20/84(84-04) |
| 72303 | Startup Testing for ABWR: Test Procedure Review, Test Witnessing, and Test Results Evaluation 09/05/06 (06-021) |
| 72304 | Startup Testing for AP 1000: Test Procedure Review, Test Witnessing, and Test Results Evaluation 09/05/06 (06-021) |
| 72400B | Overall Startup Test Program 07/01/80 (80-16) |
| 72401 | Reserved for Part 52 Overall Setup Test Program |
| 72500B | Initial Fuel Loading Procedure 04/30/75 (75-16) |
| 72501 | Reserved for Part 52 Initial Fuel Load Procedure Review |
| 72502B | Initial Criticality Procedure Review (BWR) 04/30/75 (75-16) |
| 72504B | Heat-up Phase Procedure Review 04/30/75 (75-16) |
| 72508B | Power Ascension Procedure Review: HPCI System 07/01/80 (80-16) |
| 72509B | Power Ascension Procedure Review: Control Rod Drive System 07/01/80 (80-16) |
| 72510B | Power Ascension Procedure Review - Relief Valves and MSIVs 04/30/75 (75-16) |
| 72512B | Startup Test Procedure Review - RCIC or Recirculation Pump Trip 04/30/75 (75-16) |
| 72514B | Startup Test Procedure Review - Turbine Trip/Generator Trip 07/01/80 (80-16) |
| 72516B | Startup Test Procedure Review - Shutdown From Outside the Control Room (Group A) 07/01/80 (80-16) |
| 72517B | Startup Test Procedure Review: Loss of Offsite Power (Group A & B) 07/01/80 (80-16) |
| 72518B | Startup Test Procedure Review - Core Performance 07/01/80 (80-16) |
| 72524 | Initial Fuel Loading Witnessing 01/20/84 (84-04) |
| 72525 | Reserved for Part 52 Initial Fuel Load Witnessing |
| 72526 | BWR Initial Criticality Witnessing 01/20/84 (84-04) |
| 72532 | Power Level Plateau Data Review (BWR) 01/20/84 (84-04) |
| 72564B | Pre-critical Test Procedure Review - Protective Trip Circuit or Rod Drop Measurement 07/01/80 (80-16) |
| 72566B | Pre-critical Test Procedure Review - RES Lead Test or or Pressurizer Effectiveness 07/01/80 (80-16) |
| 72570B | Initial Criticality Procedure Review (PWR) 07/01/80 (80-16) |

PART
PROCEDURE

| | |
|--------|--|
| 72572B | Low Power Test Procedures Review Moderator Temperature Coefficient and Boron Worth or Control Rod Worth and Pseudo Rod Ejection Worth 07/01/80 (80-16) |
| 72576B | Power Ascension Test Procedure Review - Natural Circulation or Power Reactivity Coefficient Measurement 07/01/80 (80-16) |
| 72578B | Power Ascension Test Procedure Review - Evaluation of Core Performance 07/01/80 (80-16) |
| 72580B | Power Ascension Test Procedure Review - Turbine Trip or Generator Trip 07/01/80 (80-16) |
| 72582B | Power Ascension Test Procedure Review - Loss of Offsite Power (Group A) 07/01/80 (80-16) |
| 72583B | Power Ascension Test Procedure Review: Shutdown from Outside the Control Room (Group B) 07/01/80 (80-16) |
| 72584B | Power Ascension Test Procedure Review - Evaluation of Flux Asymmetry or Pseudo Rod Ejection Test 04/30/75 (75-16) |
| 72592 | PWR Initial Criticality Witnessing 01/20/84 (84-04) |
| 72596B | Pre-critical Data Review 07/01/80 (80-16) |
| 72600B | Power Level Plateau Data Review (25% PWR) 07/01/80 (80-16) |
| 72608B | Power Level Plateau Data Review (50% PWR) 07/01/80 (80-16) |
| 72616B | Power Level PI 01/14/86 (86-03) |

7300 In-service Inspection

| | |
|-------|--|
| 73052 | In-service Inspection - Review of Procedures 01/14/86 (86-03) |
| 73053 | Pre-service Inspection – Observation of Work and Work Activities 01/01/79 (reactivated 07-034) |
| 73054 | Part 52, Pre-service and In-service Inspection - Review of Program 07/01/08 (08-019) |
| 73055 | Pre-service Inspection Data Review and Evaluation 01/01/79 (reactivated 07-034) |
| 73753 | In-service Inspection 06/24/98 (98-010) |
| 73754 | Part 52 - Preservice Inspection - Non-Destructive Examination 10/27/10 (10-022) |
| 73755 | In-service Inspection - Data Review and Evaluation 10/27/10 (10-022) 01/14/86 (86-03) |
| 73756 | In-service Testing of Pumps and Valves 07/27/95 (95-009) |
| 73757 | Part 52 In-service Inspection - Data Review and Evaluation 04/18/08 (08-012) |

7400 Reserved

7500 Reserved

PART
PROCEDURE

7600 Reserved

7700 Reserved

7800 High Level Waste

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

7900 Water Chemistry

79501 LWR Water Chemistry Control and Chemical Analysis – Audits
02/24/89 (reactivated 08-032)

79502 Plant Systems Affecting Plant Water Chemistry 12/31/91
(reactivated 08-032)

79503 Reserved for Part 52 LWR Water Chem. Control & Chem. Analysis
(Pre-Op and Supp)

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

79702 Control and monitoring of Radiological Source Term
04/17/00 (00-006)

8000 Environmental Protection

80210 Environmental Protection - Initial and Periodic Inspections
06/22/05 (05-016)

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

80521 Radiological Environmental Monitoring (Preoperational and
Supplemental) 01/01/84 (reactivated 08-032)

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 Reserved for Security Construction Inspection Program

81000.01 Reserved for Access Authorization

81000.02 Reserved for Access Control

81000.03 Reserved for Performance Evaluation Program

81000.04 Reserved for Equipment Performance, Testing and Maintenance

81000.05 Reserved for Protective Strategy Evaluation

81000.07 Reserved for Security Training Program

PART

PROCEDURE

| | |
|----------|--|
| 81000.08 | Reserved for Fitness For Duty Operational Program |
| 81000.10 | Reserved for Security Organization, Management Effectiveness, Program Reviews and Audits |
| 81000.11 | Reserved for Material Control and Accountability |
| 81001.1 | Independent Spent Fuel Storage Installation(s) at Operating Plants 02/02/04 (04-003) |
| 81018 | Physical Security Plan and Implementing Procedures 05/24/07 (07-17) |
| 81019 | Reserved for Part 52 Security Plan & Implementing Procedures |
| 81020 | Management Effectiveness - Security Program 06/13/07 (07-019) |
| 81021 | Reserved for Part 52 Management Effectiveness |
| 81023 | Reserved for Part 52 Security Organization |
| 81022 | Security Organization 06/13/07 (07-019) |
| 81034 | Security Program Audit 09/10/07 (07-027) |
| 81035 | Reserved for Part 52 Security Audit Program |
| 81038 | Records and Reports 09/10/07 (07-027) |
| 81039 | Reserved for Part 52 Records & Reports |
| 81042 | Testing and Maintenance 04/12/07 (07-013) |
| 81043 | Reserved for Part 52 Testing & Maintenance |
| 81046 | Locks, Keys, and Combinations 09/10/07 (07-027) |
| 81047 | Reserved for Part 52 Locks, Keys & Combinations |
| 81052 | Physical Barriers - Protected Areas 09/10/07 (07-027) |
| 81053 | Reserved for Part 52 Physical Barriers - Protected Areas |
| 81054 | Physical Barriers - Vital Areas, Material Access Areas, and Controlled Access Areas 09/10/07 (07-027) |
| 81055 | Reserved for Part 52 Physical Barriers - Vital Areas, Material Access Areas & Controlled Access Areas |
| 81058 | Security System Power Supply 09/10/07 (07-027) |
| 81059 | Reserved for Part 52 Security System Power Supply |
| 81062 | Lighting 09/10/07 (07-027) |
| 81063 | Reserved for Part 52 Lighting |
| 81064 | Compensatory Measures 09/10/07 (07-027) |
| 81065 | Reserved for Part 52 Compensatory Measures |
| 81066 | Assessment Aids 09/10/07 (07-027) |
| 81067 | Reserved for Part 52 Assessment Aides |
| 81070 | Access Control - Personnel 12/22/08 (08-037) |
| 81071 | Reserved for Part 52 Access Control - Personnel |
| 81072 | Access Control (Power Reactor) - Packages 05/09/84 (84-15) |
| 81073 | Access Control (Fuel Facility) - Packages, Material, and Strategic Special Nuclear Material (SSNM) 08/05/09 (09-019) |
| 81074 | Access Control - Vehicles 12/22/08 (08-037) |
| 81075 | Reserved for Part 52 Access Control - (Power Reactors) – Packages |
| 81076 | Reserved for Part 52 Access Control - Vehicles |
| 81078 | Detection Aids - Protected Areas 11/23/09 (09-028) |
| 81079 | Reserved for Part 52 Detection Aids - Protected Areas |
| 81080 | Detection Aids – MAA and CAA 12/22/08 (08-037) |
| 81081 | Reserved for Part 52 Detection Aids - VA, MAA, & CAA |

PART
PROCEDURE

| | |
|-------|--|
| 81084 | Alarm Stations 09/10/07 (07-027) |
| 81085 | Reserved for Part 52 Alarm Stations |
| 81088 | Communications 09/10/07 (07-027) |
| 81089 | Reserved for Part 52 Communications |
| 81120 | Inspection Requirements and Guidance for Additional Security Measures for the Physical Protection in Transit for Radioactive Material Quantities of Concern 04/01/10 (10-010) (Note this IP contains safeguards material) |
| 81310 | Physical Protection of Shipments of Irradiated Fuel 12/22/08 (08-037) |
| 81311 | Physical Security Requirements for Independent Spent Fuel Storage Installations 06/02/11 (11-009) |
| 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 12/02/09 (09-029) |
| 81501 | Personnel Training and Qualification - General Requirements 12/02/09 (09-029) |
| 81502 | Fitness for Duty Program 12/22/08 (08-037) |
| 81503 | Reserved for Part 52 Personnel Training and Qualification - Gen. Requirements |
| 81504 | Fitness for Duty Program for Construction 10/15/09 (09-024) |
| 81601 | Safeguards Contingency Plan - Implementation Review 12/22/08 (08-037) |
| 81602 | Reserved for Part 52 Safeguards Contingency Plan - Implementation Review |
| 81700 | Physical Security Program for Power Reactors 07/01/97 (97-010) |
| 81810 | Protection of Safeguards Information 09/10/07 (07-027) |
| 81811 | Reserved for Part 52 Physical Protection Safeguards Information |
| 81815 | Authorizations for Access to National Security Information (NSI) and Restricted Data (RD) 12/22/08 (08-037) |

PART
PROCEDURE

81820 Physical Protection Facility Approval and Safeguarding
of National Security Information (NSI) and Restricted
Data (RD) 12/22/08 (08-037)

8200 Emergency Planning

82001 Evaluation of Emergency Preparedness 05/22/00 (00-010)
82002 Part 52, Emergency Preparedness Program 11/08/11 (11-030)
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 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 Drills 11/08/11 (11-030)
82002.06 Emergency Response Organization, Dose Assessment Drills
11/08/11 (11-030)
82002.07 Operational Status of the Emergency Preparedness Program
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)

8300 Radiation Protection

83100 Occupational Exposure During SAFSTOR and DECON
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
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
Radioactive Material Control Program 04/17/00 (00-006)
83521 Radiation Protection - Startup 01/01/84 (84-01)
83522 Radiation Protection, Plant Chemistry, Radwaste, and
Environmental: Organization and Management Controls 12/31/91
(reactivated 08-032)
83523 Radiation Protection, Plant Chemistry, Radwaste, Transportation
and Environmental: Training and Qualifications 01/01/84
(reactivated 08-032)
83524 External Occupational Exposure Control and Personal Dosimetry
(Preoperational and Supplemental) 01/01/84 (reactivated 08-032)
83525 Internal Exposure Control and Assessment (Preoperational and
Supplemental) 01/01/84 (reactivated 08-032)

PART
PROCEDURE

| | |
|-------|---|
| 83526 | Control Of Radioactive Materials and Contamination, Surveys, and Monitoring (Preoperational And Supplemental) 01/01/84 (reactivated 08-032) |
| 83527 | Facilities and Equipment (Preoperational and Supplemental) 01/01/84 (reactivated 08-032) |
| 83529 | Reserved for Part 52 Radiation Protection – Startup |
| 83531 | Reserved for Part 52 Radiation Protection, Plant Chemistry, Radwaste, and Environmental |
| 83532 | Reserved for Part 52 Radiation Protection, Plant Chemistry, and Radwaste Training |
| 83533 | Part 52 External Occupational Exposure Control and Personal Dosimetry 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, 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 Management Controls (Minimum/Basic) 09/17/01 (01-017) |
| 83723 | General Employee, Radiation Safety, Plant Chemistry, Radwaste, and Transportation Training 12/16/03(03-041) |
| 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 09/17/01 (01-017) |
| 83727 | Facilities and Equipment (Basic) 09/17/01 (01-017) |
| 83728 | Maintaining Occupational Exposures ALARA 04/17/00 (00-006) |
| 83729 | Occupational Exposure during Extended Outages 12/31/91 (91-021) |
| 83746 | 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 Shutdown Reactors 09/05/06 (06-020) |
| 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) |
| 84521 | Radwaste - Startup 01/01/84 (84-01) |

PART

PROCEDURE

| | |
|-------|--|
| 84522 | Solid Wastes (Preoperational and Supplemental) 01/01/84 (reactivated 08-032) |
| 84523 | Liquids and Liquid Wastes (Preoperational and Supplemental) 01/01/84 (reactivated 08-032) |
| 84524 | Gaseous Waste System (Preoperational and Supplemental) 01/01/84 (reactivated 08-032) |
| 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 System 07/01/08 (08-019) |
| 84528 | Reserved for Part 52 Liquid Waste Management System |
| 84529 | Reserved for Part 52, Gaseous Waste Management System (Preoperational and Supplemental) |
| 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) (Preoperational and Supplemental) |

8500 Material Control and Accountability

| | |
|-------|---|
| 85102 | Material Control and Accounting - Reactors 03/29/85 (85-10) |
| 85103 | Reserved for Part 52 Material Control and Accounting - Reactor |
| 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 09/09/10 (10-019) |
| 85205 | Facility Operations and Internal Controls 09/09/10 (10-019) |
| 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) |
| 85215 | Records and Reports 01/17/86 (86-04) |
| 85303 | Material Control and Accounting Management Structure and Personnel Training and Qualification 09/09/10 (10-019) |
| 85305 | Item Monitoring 09/09/10 (10-019) |
| 85307 | Process Monitoring 12/21/2010 (10-027) |
| 85309 | Measurement Systems and Control 10/20/10 (10-021) |
| 85311 | Physical Inventory Program 11/15/10 (10-023) |
| 85313 | Alarm Resolution Program 11/15/10 (10-023) |
| 85315 | Internal Control 12/21/2010 (10-027) |
| 85401 | Management Structure 09/09/10 (10-019) |
| 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 11/15/10 (10-023) |
| 85405 | Item Control 09/09/10 (10-019) |

PART
PROCEDURE

| | |
|-------|--|
| 85406 | Resolution Program for Low Enriched Uranium Fuel Facilities 11/15/10 (10-023) |
| 85407 | Assessment Program 11/29/10 (10-024) |
| 85408 | Recordkeeping 11/29/10 (10-024) |
| 85420 | Inspection of IAEA Safeguards for Inspectors at Power Reactors 06/22/88 (88-07) |
| 85501 | Physical Inventory Program for Uranium Enrichment Facilities 11/15/10 (10-023) |
| 85502 | Detection Program for Uranium Enrichment Facilities 12/21/2010 (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) |
| 86700 | Spent Fuel Pool Activities 09/17/01 (01-017) |
| 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 08/22/05 (05-023) |
| 87122 | Irradiator Programs 12/31/02 (02-047) |
| 87123 | Well Logging Programs 11/25/03 (03-037) |
| 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) |
| 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 08/24/11 (11-014) |

PART
PROCEDURE

| | |
|-------|--|
| 87133 | Medical Gamma Stereotactic Radiosurgery and Teletherapy Programs 08/24/11 (11-014) |
| 87134 | Medical Broad-Scope Programs 08/24/11 (11-014) |
| 87135 | Panoramic and Underwater Irradiator Security Program 10/30/08 (08-030) |
| 87136 | Manufacturing and Distribution (M&D) Security Program) 10/30/08 (08-030) |
| 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) |
| 88002 | Operational Event Review and Feedback Programs at Fuel Cycle Facilities 10/30/08 (08-030) |
| 88003 | Reactive Inspection for Events at Fuel Cycle Facilities 08/10/98 (98-012) |
| 88004 | Reserved for Adverse Weather Protection |
| 88005 | Management Organization and Controls 09/05/06 (06-020) |
| 88010 | Operator Training/Retraining 09/05/06 (06-020) |
| 88015 | Nuclear Criticality Safety Program 11/07/11 (11-027) |
| 88016 | Nuclear Criticality Safety Evaluations and Analyses 07/28/06 (06-019) |
| 88017 | Criticality Alarm Systems 11/07/11 (11-027) |
| 88020 | Operational Safety 09/05/06 (06-020) |
| 88025 | Maintenance and Surveillance Testing 09/25/06 (06-025) |
| 88030 | Radiation Protection 07/28/06 (06-019) |
| 88035 | Radioactive Waste Management 09/25/06 (06-025) |
| 88045 | Effluent Control and Environmental Protection 09/05/06 (06-020) |
| 88050 | Emergency Preparedness 09/05/06 (06-020) |
| 88051 | Evaluation of Exercises and Drills 07/28/06 (06-019) |
| 88054 | Fire Protection (Triennial) 09/11/08 08-026 |
| 88055 | Fire Protection (Annual) 08/19/08 (08-024) |
| 88070 | Permanent Plant modification 09/05/06 (06-020) |
| 88071 | Configuration Management Programmatic Review 07/28/06 (06-019) |
| 88075 | Event Follow-up 07/28/06 (06-019) |
| 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) |
| 88105 | Management Organization and Controls 12/30/96 (96-026) |
| 88106 | Quality Assurance: Program Development and Implementation (Pre-licensing and Construction) 02/07/07 (07-006) |

PART
PROCEDURE

| | |
|-------|---|
| 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) |
| 88116 | Inspection of Safety Function Interfaces for the Mixed Oxide Fuel Fabrication Facility (Pre-licensing and Construction) 02/07/07 (07-006) |
| 88130 | Resident Inspection Program for On-Site Construction Activities at the Mixed Oxide Fuel Fabrication Facility 10/25/06 (06-030) |
| 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 09/25/06 (06-025) |
| 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 |

PART
PROCEDURE

88160 Reserved for Utilities and Bulk Chemicals

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 11/22/11 (11-037)

90003 Construction Multiple/Repetitive Degraded Cornerstone Column Inspection 02/09/2012 (12-001)

90501B Reportable Matters - Startup Test Program 04/30/75 (75-16)

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 03/30/05 (05-009)

92711 Continued Implementation of Strike Plans During an Extended Strike 03/30/05 (05-009)

92712 Resumption of Normal Operations After a Strike 08/21/92 (92-010)

92714 Reserved for Part 52 Follow-up

92717 IE Bulletins for Information and IE Information Notice Followup 09/25/85 (reactivated 10-020)

PART

PROCEDURE

| | |
|-------|---|
| 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 is 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

| | |
|-------|--|
| 93001 | OHSA Interface Activities 09/08/09 (09-021) |
| 93002 | Managing Fatigue 11/09/09 (09-026) |
| 93100 | Safety-Conscious Work Environment Issue of Concern Followup 08/18/11 (11-013) |
| 93702 | Prompt Onsite Response to Events at Operating Power Reactors 09/17/01 (01-017) |
| 93800 | Augmented Inspection Team 03/23/09 (09-010) |
| 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 11/15/11 (11-033) |
| 93813 | Reserved for Part 52 Operational Readiness Assessment Team Inspection |
| 93814 | Independent Design Verification Program 11/15/10 (10-023) |
| 93815 | Part 52, Operational Programs Implementation Inspection 12/23/11 (11-043) |

PART
PROCEDURE

9400 Technical Activities of an Administrative Nature

- 94300 Status of Plant Readiness for an Operating Licensee 02/14/86
(Reactivated 07-034)
- 94301 Reserved for Part 52 Status of 10 CFR 52 Plant Readiness for Fuel
Load

9500 Strategic Determination Actions

- 95001 Supplemental Inspection for One or Two White Inputs in a Strategic
Performance Area 02/09/11 (11-001)
- 95002 Supplemental Inspection for One Degraded Cornerstone or Any
Three White Inputs in a Strategic Performance Area 02/09/11 (11-
001)
- 95003 Supplemental Inspection for Repetitive Degraded Cornerstones,
Multiple Degraded Cornerstones, Multiple Yellow Inputs or
One Red Input 02/09/11 (11-001)
- 95003.01 Emergency Preparedness 01/15/09 (09-002)
- 95003.02 Guidance for Conducting an Independent NRC Safety Culture
Assessment) 01/15/09 (09-002)

9600 Materials Safety and Security

- 96001 NRC Force-on-Force Inspections at Category Fuel Cycle Facilities
08/24/11 (11-014)

9700 Reserved

9800 Reserved

9900 Guidance²

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

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

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

PART
GUIDANCE

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

PART
GUIDANCE

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 02/07/05 (05-005)
[NOED.TG]

Notice of Enforcement Discretion for Gaseous Diffusion Plants
05/03/99 (99-008) [NOEDGAS.TG]

Operability Determinations & Functionality Assessments for
Resolution of Degraded or Nonconforming Conditions Adverse to
Quality or Safety 04/16/08 (08-016) [TG STSODP]

Operation - Safety and Compliance [TG 9900 SAFETY] 09/11/07
(07-028)

PART
10 CFR GUIDANCE

10 Title 10 of the Code of Federal Regulations 12/08/86 (86-54)

10CFR71 and
49CFR171-178 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
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
12/08/86 (86-54)

70.51 Material Balance, Inventory, and Records Requirements
12/19/74 (74-11)

PART
GUIDANCE

70.52 Report of Accidental Criticality or Loss of Special Nuclear
Material 11/15/74 (74-010)

Interpretations

END