

NRC INSPECTION MANUAL

DIRS

TABLE OF CONTENTS

Table of Contents Current through Change Notice 07-011 Issued 03/23/07

PART

CHAPTER

0000 NRC Inspection Manual¹

- 0030 Policy and Guidance for Development of NRC Inspection Manual Programs 04/30/97 (97-005)
- 0040 Preparing, Revising, and Issuing Documents for the NRC Inspection Manual 03/05/07 (07-008)

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

- 0230 Morning Report 11/18/02 (02-043)

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)
- 0303 Item Reporting 11/30/99 (99-019)
- 0305 Operating Reactor Assessment Program 01/25/07 (07-003)
- 0306 Information Technology Support For The Reactor Oversight Process 06/24/03 (03-021)
- 0307 Reactor Oversight Process Self-Assessment Program 11/28/06 (06-034)
- 0307 App B ROP Realignment Process 01/25/07 (07-003)
- 0308 Reactor Oversight Process (ROP) Basis Document 10/16/06 (06-027)
- 0308, Att 1 Technical Basis for Performance Indicators 10/06/04 (04-025)
- 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)

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 3,	App A Technical Basis for At Power Significance Determination Process 07/27/04 (04-020)
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 05/06/04 (04-010)
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)
0309	Reactive Inspection Decision Basis For Reactors 1/05/03 (03-036)
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 10/16/06 (06-027)
0320	Operating Reactor Security Oversight Process 08/22/05 (05-023)
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)
0400	<u>Enforcement Policy</u>
0500	<u>Tracking Systems</u>
0600	<u>Documentation of Program Findings</u>
0608	Performance Indicator Program 02/27/07 (07-007)
0609	Significance Determination Process 11/22/05 (05-030)
0609.01	Significance and Enforcement Review Panel Process 11/02/06 (06-033)
0609.02	Process For Appealing NRC Characterization of Inspection Findings (SDP Appeal Process) 11/22/05 (05-030)
0609.03	Senior Reactor Analyst Support Expectations 07/26/06 (06-018)
0609 App A	Determining the Significance of Reactor Inspection Findings for At-

PART

CHAPTER

	Power Situations 03/23/07 (07-011)
0609 App B	Emergency Preparedness Significance Determination Process 03/06/03 (03-007)
0609 App C	Occupational Radiation Safety Significance Determination Process 12/16/03 (03-041)
0609 App D	Public Radiation Safety Significance Determination Process 10/16/06 (06-027)
0609 App E	Baseline Physical Protection Significance Determination Process 07/21/05 (05-020)
0609 App E	Part I Baseline Physical Protection Significance Determination Process 09/25/06 (06-025)
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)
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] 08/22/05 (05-023)
0609 App J	Steam Generator Tube Integrity Findings Significance Determination Process 05/06/04 (04-010)
0609 App K	Maintenance Risk Assessment and Risk Management Significance Determination Process 05/19/05 (05-014)
0609 App M	Significance Determination Process Using Qualitative Criteria 12/22/06 (06-036)
0610	Inspection Reports 05/18/04 (04-014)

PART

CHAPTER

0610/001	Guidance for Certain Fuel Cycle Inspection Reports to Pilot Use of NRC Form 591 12/06/05 (05-033)
0612	Power Reactor Inspection Reports 11/02/06 (06-033)
0612, Exh 1	Standard Reactor Inspection Report Outline 09/30/05 (05-028)
0612, Exh 2	Inspection Report Documentation Matrix 09/30/05 (05-028)
0612, Exh 3	Sample Reactor Inspection Report 09/30/05 (05-028)
0612, Exh 4	Sample Cover Letters 06/29/06 (06-016)
0612, App A	List of Acronyms Used in IMC 0612 09/30/05 (05-028)
0612, App B	Issue Screening 11/02/06 (06-033)
0612, App C	Documentation Guidance For Supplemental Inspections 06/20/03 (03-021)
0612, App D	Guidance for Documenting Inspection Procedure 71152, "Identification and Resolution of Problems" 06/22/06 (06-015)
0612, App E	Examples of Minor Issues 06/22/06 (06-015)
0612, App F	Examples of Cross-cutting Aspects 06/22/06 (06-015)
0615	Research and Test Reactor Inspection Reports 06/23/04 (04-018)
0620	Inspection Documents and Records 01/27/06 (06-002)
0630	Analysis of the Impact of Noncompliance with Physical Security Requirements 10/01/82 (82-09)
0700	<u>Communications With Licensees</u>
0730	Generic Communications Regarding Materials and Fuel Cycle Issues 10/22/02 (02-040)
0800	<u>Feedback - Improving the Regulatory Process</u>
0801	Reactor Oversight Process Feedback Program 10/19/06 (06-028)
0900	<u>Reporting of Events/Incidents</u>
0970	Potentially Generic Questions Identified by Regional Offices 12/11/00 (00-024)
1000	<u>Regional Office Program Interfaces</u>
1007	Interfacing Activities Between Regional Offices of NRC and OSHA 02/11/04 (04-006)
1100	<u>Notifications of Meetings and Conferences</u>
1120	Preliminary Notifications 06/22/06 (06-014)
1200	<u>Inspector Requirements</u>
1201	Conduct of Employees 06/29/99 (99-010)

PART

CHAPTER

1202	Senior Resident Inspector Site Turnover 08/22/05 (05-023)
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 the Office of Nuclear Reactor Regulation Programs 10/31/06 (06-032)
1245 Att 1	General Overview of the Inspector Training and Qualification Program 10/31/06 (06-032)
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 Certification Journal 10/31/06 (06-032)
1245 App B	General Proficiency-Level Training and Qualification Journal 10/31/06 (06-032)
1245 App C1	Reactor Operations Inspector Technical Proficiency Training and Qualification Journal 10/31/06 (06-032)
1245 App C2	Reactor Engineering Inspector Technical Proficiency Training and Qualification Journal 10/31/06 (06-032)
1245 App C3	Health Physics Inspector Technical Proficiency Training and Qualification Journal 10/16/06 (06-027)
1245 C4	Reactor Safeguards Inspector Technical Proficiency Qualification Journal 04/05/02 (02-014)
1245 C5	Research and Test Reactor Inspector Technical Proficiency Qualification Journal 10/31/06 (06-032)
1245 App C6	Emergency Preparedness Inspector Technical Proficiency Training and Qualification Journal 08/24/04 (04-022)
1245 C8	Vender Inspector Technical Proficiency Qualification Journal 05-28/03 (03-017)
1245 C9	Construction Inspector Technical Proficiency Qualification Journal 05/01/03 (03-014)
1245 App C10	Operator Licensing (OL) Examiner Technical Proficiency Training and Qualification Journal 10/31/06 (06-032)
1245 D1	Senior Reactor Analyst Training and Qualification Program 10/31/06 (06-032)
1245 D3	Engineering Specialties Training Areas 04/05/02 (02-014)
1246	Formal Qualification Programs in the Nuclear Material Safety and Safeguards Program Area 01/05/01 (01-002)
1246 APP A	Training Activities 01/05/01 (01-002)
Sec. I	Materials License Reviewer 01/05/01 (01-002)
Sec. II	Materials Health Physics Inspector 01/05/01 (01-002)
Sec. III	Fuel Cycle Safety Inspector 04/21/06 (04-009)
Sec. IV	Fuel Cycle Safeguards Inspector Physical Security

PART

CHAPTER

	01/05/01 (01-002)
Sec. V	NMSS Headquarters Fuel Cycle Safeguards Inspector Material Control and Accounting 01/05/01 (01-002)
Sec. VI	NMSS Spent Fuel Project Office Qualification Journal 05/25/06 (06-013)
Sec. VII	Fuel Cycle License Reviewer 01/05/01 (01-002)
Sec. VIII	Waste Management Inspectors and License Reviewers 01/05/01 (01-002)
Sec. IX	Decommissioning Inspectors 01/05/01 (01-002)
Sec. X	Decommissioning Project Managers/Technical Reviewers 04/14/03 (03-012)
Sec. XI	Materials Exempt Distribution License Reviewer 01/05/01 (01-002)
Sec. XII	Uranium Recovery Inspector 01/05/01 (01-002)
Sec. XIII	Uranium Recovery Project Manager/Technical Reviewer 01/05/01 (01-002)
Sec. XIV	High-Level Waste Repository Inspector 05/09/06 (05-011)
Sec. XV	High-Level Waste Repository License Technical Reviewer 04/14/03 (03-012)
Sec. XVI	Training Requirements for Sealed Source and Device Reviewers 02/11/04 (04-006)
1246 APP B	NRC Inspector, License Reviewer and Project Manager/Technical Reviewer Training and Qualification Journal 01/05/01 (01-002)
Sec. I	Materials License Reviewer 01/05/01 (01-002)
Sec. II	Materials Health Physics Inspector 01/05/01 (01-002)
Sec. III	Fuel Cycle Safety Inspector 01/05/01 (01-002)
Sec. IV	Fuel Cycle Safeguards Inspector - Physical Security 01/05/01 (01-002)
Sec. V	NMSS Headquarters Fuel cycle Safeguards Inspector Material Control and Accounting (MC&A) 01/05/01 (01-002)
Sec. VI	NMSS Headquarters Transportation Packaging and Dry Storage System Safety Inspector 01/05/01 (01-002)
Sec. VII	Fuel cycle License Reviewer 01/05/01 (01-002)
Sec. VIII	Waste Management Inspector and License Reviewer 01/05/01 (01-002)
Sec. IX	Decommissioning Inspector 01/05/01 (01-002)
Sec. X	Decommissioning Project Manager/Technical Reviewer 04/14/03 (03-012)
Sec. XI	Materials Exempt Distribution License Reviewer 01/05/01 (01-002)
Sec. XII	Uranium Recovery Inspector 01/05/01 (01-002)
Sec. XIII	Uranium Recovery Project Manager/Technical Reviewer 01/05/01 (01-002)
Sec. XIV	High-Level Waste Repository Inspector 05/09/06 (05-011)
Sec. XV	High-Level Waste Repository License Technical Reviewer 04/14/03 (03-012)
Sec. XVI	Technical Reviewer Qualification Journal Byproduct Material Sealed Source and Device Reviewers 02/11/04 (04-006)
1252	Construction Inspector Training and Qualification Program 02/06/07 (07-005)
1252 App A	Construction Inspector Basic-Level Training and Certification Journal 02/06/07 (07-005)

PART
CHAPTER

- 1252 App B Construction Inspector General Proficiency-Level Training and Qualification Journal 02/06/07 (07-005)
- 1252 App C Construction Inspector Technical Proficiency-Level Training and Qualification Journal 02/06/07 (07-005)

1300 Incident Response

- 1301 Response to Non-Emergency Incidents Involving Radioactive Material 10/20/00 (00-022)
- 1302 Action Levels For Radiation Exposures and Contamination Associated With Materials Events Involving Members of the Public 07/14/05 (05-019)
- 1303 Requesting Emergency Acceptance of Radioactive Material by the U.S. Department of Energy (DOE) 12/30/02 (02-046)
- 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 Reserved

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

1500 Reserved

1600 Emergency Preparedness

- 1601 Communication Protocol For Assessing Offsite Emergency Preparedness Following a Natural Disaster 07/07/05 (05-018)

1700 Reserved

1800 Reserved

1900 Reserved

2000 Reserved

2100 Reserved

2200 Nuclear Security and Incident Response

PART

CHAPTER

2201	Security and Safeguards Inspection Program For Commercial Power Reactors 02/19/04 (04-007)
2201 App A	Security and Safeguards Baseline Inspection Program 02/19/04 (04-007)
2201 App B	Supplemental Inspection Program 02/19/04 (04-007)
2201 App C	Generic, Special, and Infrequent Inspections 02/19/04 (04-007)
2201 App D	Facility Status Reviews 02/19/04 (04-007)
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)
2300	<u>High Level Waste</u>
2300	Yucca Mountain Pre-Operation Inspection Program 06/20/01 (01-013)
2400	<u>Low Level Waste Program</u>
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	<u>Reactor Inspection Program</u>
2500/020	Inspection to Determine Compliance with ATWS Rule 10 CFR 50.62 08/06/03 (03-028)
2501	Construction Inspection Program: Early Site Permit (ESP) 04/25/06 (06-010)
2502	Construction Inspection Program: Pre-Combined License (Pre-COL) Phase 06/22/05 (05-016)
2503	Construction Inspection Program: Inspections of Inspections, Tests, Analyses, and Acceptance Criteria (ITAAC) 04/25/06 (06-010)
2504	Construction Inspection Program - Non-ITAAC Inspections 04/25/06 (06-010)
2505	Reserved
2509	Browns Ferry Unit 1 Restart Project Inspection Program 09/08/03 (03-032)
TI 2509/001	Unit 1 followup Inspection Related to License Renewal Application for the Browns Ferry Nuclear Plant, Units 1, 2, and 3 07/25/06 (CN 06-017)
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)

PART

CHAPTER

2515	Light Water Inspection Program - Operations Phase 01/26/07 (07-004)
2515 App A	Risk-Informed Baseline Inspection Program 01/26/07 (07-004)
2515 App B	Supplemental Inspection Program 01/26/07 (07-004)
2515 App C	Special and Infrequently Performed Inspections 07/07/05 (05-018)
2515 App D	Plant Status 01/26/07 (07-004)
2515 App E	Inspection Program Modifications During a Pandemic 01/26/07 (07-004)
2515/111	Electrical Distribution System Followup Inspection 08/06/03 (03-028)
2515/142	Draindown During Shutdown and Common-Mode Failure (NRC Generic Letter 98-02)) 06/18/99 (99-009)
2515/147	Expanded Table-Top Drill Evaluation 08/14/02 (02-030) (Note this TI contains safeguards material)
2515/148	Inspection of Nuclear Reactor Safeguards - Interim Compensatory Measures 03/19/03 (03-009)
2515/149	Mitigating systems Performance Index Pilot Verification 09/24/02 (02-034)
2515/150	Reactor Pressure Vessel Head and Vessel Head Penetration Nozzles (NRC Order EA-03-009) 02/18/05 (05-006)
Rev. 3	
2515/151	Expanded Pilot Force-on-Force Exercise Evaluation 02/06/03 (03-002)
2515/152	Reactor Pressure Vessel Lower Head Penetration Nozzles (NRC Bulletin 2003-02) 11/05/03 (03-036)
Rev. 1	
2515/153	Reactor Containment Sump Blockage (NRC Bulletin 2003-01) 02/18/05 (05-006)
Rev. 1	
2515/154	Material Control and Accounting at Nuclear Power Plants and Wet Storage Sites 01/12/07 (07-002) Note: TI withheld from public disclosure since it contains official use only - security-related information.
Rev. 2	
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.
2515/156	Offsite Power System Operational Readiness 04/29/04 (04-009)
2515/157	Mark I and Mark II Containment Operations 05/06/04 (04-012) 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)
2515/159	Review of Generic Letter 89-13: Service Water System Problems Affecting Safety-Related Equipment 07/29/04 (04-021)
2515/160	Pressurizer Penetration Nozzles and Steam Space Piping Connections in U.S. Pressurized Water Reactors (NRC Bulletin 2004-01) 10/06/04 (04-025)
2515/161	Transportation of Reactor Control Rod Drives in Type A Packages 03/30/05 (05-009)
2515/162	SAFEGUARDS INFORMATION 04/13/05 (05-010)
2515/163	Operational Readiness of Offsite Power 05/02/05 (05-011)
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)

PART

CHAPTER

2515/165	Operational Readiness of Offsite Power and Impact on Plant Risk 03/03/06 (06-005)
2515/166	Pressurized Water Reactor Containment Sump Blockage [NRC GENERIC LETTER 2004-02] 03/16/06 (06-007)
2515/167	Assurance of Industry Implementation of Key Shutdown Voluntary Initiatives 04/21/06 (06-009)
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)
2515/169	Mitigating Systems Performance Index Verification 07/25/06 (CN 06-017)
2516	Policy and Guidance For The License Renewal Inspection Programs 02/18/05 (05-006)
2530	Integrated Design Inspection Program 04/24/85 (85-17)
2535	Design Verification Programs 03/24/89 (89-007)
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	<u>Fuel Cycle Facility Inspection Program</u>
2600	Fuel Cycle Facility Operational Safety and Safeguards Inspection Program 05/09/06 (05-011)
2600/003	Operational Safety Review 07/29/04 (04-021)
2600/006	Resident Inspector Program for Category I Fuel Cycle Facilities 07/29/04 (04-021)
2600/008	Inspection Guidance and Requirements for Interim Compensatory Measures (ICMs) at the Honeywell Conversion Plant, Metropolis, Illinois 07/11/02 (02-028)
2600/009	Inspection of Interim Compensatory Measures (ICMs) At Gaseous Diffusion Plants (GDP) 06/05/03 (03-019)
2600/011	Verification of Disposition of Potentially Defective 1-Inch Hunt Valves for Uranium Hexafluoride Cylinders 01/05/05 (05-001)
2600/012	Institutionalizing Concern Regarding Safety Issues Identified in Selected Past Generic Communications 9/28/05 (05-027)
2600/013	Safety of Uranium Hexafluoride Cylinders at Fuel Cycle Facilities 04/21/06 (06-009)
2601	Team Assessments of Fuel Cycle and Materials Licensees 05/04/90 (90-004)
2602	Decommissioning Oversight and Inspection Program For Fuel Cycle Facilities and Materials Licensees 08/22/05 (05-023)
2603	Inspection of the Nuclear Chemical Process Safety Program at Fuel Cycle Facilities 01/16/96 (96-001)
2604	Licensee Performance Review 06/28/02 (02-024)
2610	Inspection Program at Nuclear Fuel Services Plant Erwin, Tennessee 01/09/86 (86-01)
2620	On-Site Construction Reviews of Remedial Action at Inactive Uranium Mill Tailing Sites (Title I, Uranium Mill Tailings Radiation

PART

CHAPTER

2630	Control Act) 10/05/01 (01-020) Mixed Oxide Fuel Fabrication Facility Construction Inspection Program 05/18/05 (05-0013)
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 09/26/96 (96-020)
2681/007	Inspection of Safeguards Interim Compensatory Measures at Nuclear Fuel Facilities Possessing Strategic Special Nuclear Material (SNMM) 08/08/03 (03-029)
2681/008	Inspection of safeguards Compensated Measures for Category III Fuel Cycle Facilities 09/18/06 (06-023)
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)
2690	Inspection Program For Dry Storage of Spent Reactor Fuel at Independent Spent Fuel Storage Installations 07/14/05 (05-019)
2696	Louisiana Energy Services Gas Centrifuge Facility Construction and Pre-Operational Readiness Review Inspection Programs 10/19/06 (06-028)
2700	<u>Licensee Contractor and Vendor Inspection Program</u>
2700	Vendor Inspection Program (VIP) 10/29/90 (90-013)
2800	<u>Materials Inspection Program</u>
2800	Materials Inspection Program 09/28/05 (05-027)
2800/030	Verification of the Status of Devices Authorized For Use Under a General License 05/30/00 (00-011)
2800/032	Followup - Materials Safeguard Advisory 10/31/01 (01-023)
2800/034	Inspection of Panoramic and Underwater Irradiators Additional Security Measures 02/12/04 (04-005)
2800/035	Verification of Licensee Responses to NRC Bulletin 2003-04 Regarding Inventories of Source and Special Nuclear Materials Tracked in the Nuclear Materials Management and Safeguards System 07/29/04 (04-021)
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)
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)

PART

PROCEDURE

2900 Performance Appraisal Program

- 2900 Performance Appraisal Program DI 04/04/85 (85-14)
- 2901 Team Inspections 08/24/01 (01-016)
- 2920 Construction Appraisal Team Inspection Program 03/29/85 (85-11)

3000 Management Meetings

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

3100 Reserved

3200 Reserved

3300 Reserved

3400 Reserved

3500 Quality Assurance

- 35002 Early Site Permit Pre-Docketing Quality Assurance Controls Meeting 05/29/03 (03-018)
- 35004 Pre-Docketing Early Site Permit Quality Assurance Controls Inspection 05/29/03 (03-018)
- 35005 Pre-Docketing Combined License Quality Assurance Controls Inspection 06/22/05 (05-016)
- 35006 Post-Docketing Early Site Permit Quality Assurance Controls Inspection 05/29/03 (03-018)
- 35012 Early Site Permit Quality Assurance Controls Assessment and Conclusion 05/29/03 (03-018)
- 35017 Post-Docketing Development of the Quality Assurance (QA) Program for Design and Procurement Activities 06/22/05 (05-016)
- 35020 Inspection of Applicant's Surveillance of Contractor Quality Assurance (QA) Activities 06/22/05 (05-016)
- 35021 Post-Docketing Implementation of Quality Assurance (QA) Activities Related to Design, Procurement and Construction 06/22/05 (05-016)
- 35029 Pre-Combined License (COL) Quality Assurance (QA) Inspection of Site Limited Work Authorization (LWA) 1 & 2 Activities 06/22/05 (05-016)
- 35100 Review of the QA Manual 06/22/05 (05-016)
- 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)

3600 Organization and Administration

PART

PROCEDURE

- 36100 Inspection of 10 CFR Parts 21 and 50.55(e) Programs for Reporting Defects and Noncompliance 06/22/05 (05-016)
- 36800 Organization 09/17/01 (01-017)
- 36801 Organization, Management, and Cost Controls at Permanently Shutdown Reactors 08/11/97 (97-012)

- 3700 Design, Design Changes, Modifications
 - 37001 10 CFR 50.59 Safety Evaluation Program 06/24/98 (98-010)
 - 37550 Engineering 11/15/99 (99-018)
 - 37551 Onsite Engineering 06/24/98 (98-010)
 - 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)
 - 37802 First-of-a-Kind Engineering Inspections 06/22/05 (05-016)
 - 37803 Reserved

- 3800 Procurement
 - 38703 Commercial Grade Dedication 04/08/96 (96-007)

- 3900 Records
 - 39701 Records Program 09/17/01 (01-017)

- 4000 Review and Audit
 - 40001 Resolution of Employee Concerns 06/03/97 (97-006)
 - 40002 Inspections to Review Allegations 06/28/02 (02-024)
 - 40500 Effectiveness of Licensee Process to Identify, Resolve, and Prevent Problems 05/03/99 (99-008)
 - 40801 Self-Assessment, Auditing, and Corrective Action at Permanently Shutdown Reactors 08/11/97 (97-012)

- 4100 Training
 - 41500 Training and Qualification Effectiveness 06/13/95 (95-007)

- 4200 Procedures
 - 42001 Emergency Operating Procedures 06/28/91 (91-009)
 - 42700 Plant Procedures 11/15/95 (95-015)

- 4300 Vendor Procedures
 - 43001 Reactive Inspection of Nuclear Vendors 10/11/94 (94-018)

PART
PROCEDURE

4400 Reserved

4500 Geotechnical/Foundation

45051 Geotechnical/Foundation Activities Procedure Review
05/29/03 (03-018)

4600 Structural Concrete

4700 Containment (Post-Tensioning)

4800 Structural Steel and Supports

4900 Piping

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

49055 Reactor Coolant Pressure Boundary Piping Record Review
08/16/82 (82-07)

5000 Mechanical Components and Equipment

50001 Steam Generator Replacement Inspection 09/06/00 (00-015)

50002 Steam Generators 12/31/96 (96-024)

50003 Pressurizer Replacement Inspection 07/07/05 (05-018)

50090 Pipe Support and Restraint Systems 08/06/03 (03-028)

50100 Heating, Ventilating, and Air Conditioning Systems
08/06/03 (03-028)

5100 Electrical Components and Systems

51053 Electrical Components and systems - Work Observation
08/06/03 (03-028)

51055 Electrical Components and Systems - Record Review
08/06/03 (03-028)

51061 Electrical Cable - Procedure Review 08/06/03 (03-028)

5200 Instrumentation Systems and Components

52001 Digital Retrofits Receiving Prior Approval 03/02/98 (98-003)

52002 Digital Retrofits Not Receiving Prior Approval
03/02/98 (98-003)

PART
PROCEDURE

5300 Containment Penetrations

5400 Cleanliness

5500 Welding

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

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

5600 Calibration

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

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

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)

60851 Design Control of ISFSI Components 08/08/03 (03-030)

60852 ISFSI Component Fabrication By Outside Fabricators
08/08/03 (03-030)

60853 On-Site Fabrication of Components and Construction of an
ISFSI 02/11/04 (04-006)

60854 Preoperational Testing of an ISFSI 03/28/02 (02-012)

60854.1 Preoperational Testing of Independent Spent Fuel Storage
Facility Installation at Operating Plants 09/05/06 (06-022)

60855 Operation of an ISFSI 03/28/02 (02-012)

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 04/02/03 (03-008)

PART

PROCEDURE

- 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 01/26/05 (05-002)

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 01/17/02 (02-001)
- 62708 Motor-Operated Valve Capability 09/12/00 (00-018)
- 62801 Maintenance and Surveillance at Permanently Shutdown
Reactors 08/11/97 (97-012)

6300 Construction Testing

6400 Fire Prevention/Protection

- 64704 Fire Protection Program 06/24/98 (98-010)

6500 10 CFR Part 52 ITAAC Inspections

- 65001 Reserved

PART
PROCEDURE

6600 Reserved

6700 Reserved

6800 Reserved

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 02/03/047 (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

- 70304 Engineered Safety Features Test - Preoperational Test Procedure Review 08/06/03 (03-028)
- 70307 Containment Integrated Leak Rate Test - Procedure Review 03/07/86 (86-13)
- 70313 Containment Integrated Leak Rate Test 11/12/85 (85-36)
- 70323 Containment Leak Rate Test Results Evaluation 10/03/85 (85-30)
- 70370 Testing Piping Support and Restraint Systems 03/07/86 (86-13)
- 70701 Reserved
- 70702 Reserved

7100 Operations (License & TS Requirements)

- 71001 Licensed Operator Requalification Program Evaluation 07/23/98 (98-011)
- 71002 License Renewal Inspection 02/18/05 (05-006)
- 71003 Post-Approval Site Inspection for License Renewal 02/18/05 (05-006)

PART

PROCEDURE

71004	Power Uprate 05/09/06 (05-011)
71005	Inspector Review of Licensing-Related Information 08/05/03 (03-027)
71007	Reactor Vessel Head Replacement Inspection 10/19/06 (06-028)
71111	Reactor Safety-Initiating Events, Mitigating Systems, Barrier Integrity 05/06/03 (03-015)
71111.DS	Safety System Design and Performance Capability 05/06/03 (03-015)
71111.EP	Equipment Availability, and Functional Capability 05/06/03 (03-015)
71111.HS	Heat Sink Performance 05/06/03 (03-015)
71111.ST	Post-Maintenance and Surveillance Testing 05/06/03 (03-015)
71111.01	Adverse Weather Protection 03/23/07 (07-011)
71111.02	Evaluation of changes, Tests, or Experiments 05/09/06 (05-011)
71111.04	Equipment Alignment 02/27/07 (07-007)
71111.05AQ	Fire Protection (Annual / Quarterly) 09/05/06 (06-022)
71111.05T	Fire Protection (Triennial) 04/21/06 (06-009)
71111.05TTP	Fire Protection-NFPA 805 Transition Period [Triennial] 05/09/06 (05-011)
71111.06	Flood Protection Measures 01/25/07 (07-003)
71111.07	Heat Sink Performance 05/25/06 (06-013)
71111.08	Inservice Inspection Activities 05/11/04 (04-013)
71111.11	Licensed Operator Requalification Program 1/05/06 (06-001)
71111.12	Maintenance Effectiveness 03/13/06 (06-006)
71111.13	Maintenance Risk Assessments and Emergent Work Evaluation 03/23/07 (07-011)
71111.15	Operability Evaluations 07/26/06 (06-018)
71111.17	Permanent Plant modifications 07/07/05 (05-018)
71111.19	Post Maintenance Testing 01/17/02 (02-001)
71111.20	Refueling and Other Outage Activities 09/02/05 (05-024)
71111.21	Component Design Bases Inspection 06/22/06 (06-014)
71111.22	Surveillance Testing 02/27/07 (07-007)
71111.23	Temporary Plant Modifications 1/05/06 (06-001)
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 Testing 06/29/06 (06-016)
71114.03	Emergency Response Organization Augmentation Testing 10/25/06 (06-029)
71114.04	Emergency Action Level and Emergency Plan Changes 10/25/06 (06-029)
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	Force-On-Force (FOF) Exercise Evaluation 10/25/06 (06-029)
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)
71122.01	Radioactive Gaseous and Liquid Effluent Treatment and Monitoring Systems 05/25/06 (06-013)
71122.02	Radioactive Material Processing and Transportation 01/24/03 (03-001)
71122.03	Radiological Environmental Monitoring Program (REMP)

PART

PROCEDURE

	01/24/03 (03-001)
71130	Physical Protection 02/19/04 (04-007)
71130.01	Access Authorization 07/28/05 (05-021)
71130.02	Access Control 02/16/04 (04-007)
71130.03	Contingency Response - Force-On-Force Testing 12/30/05 (05-035)
71130.04	Equipment Performance, Testing Maintenance 02/19/04 (04-007)
71130.05	Protective Strategy Evaluation 02/19/04 (04-007)
71130.06	Inspection of Security Plan Changes 02/19/04 (04-007)
71130.07	Security Training 02/19/04 (04-007)
71130.08	Fitness For Duty Training 02/19/04 (04-007)
71130.09	Owner-Controlled Area Controls 02/19/04 (04-007)
71150	Discrepant or Unreported Performance Indicator Data 01/04/07 (07-001)
71151	Performance Indicator Verification 01/04/07 (07-001)
71152	Identification and Resolution of Problems 06/22/06 (06-015)
71153	Followup of Events and Notices of Enforcement Discretion 07/26/06 (06-018)
71707	Plant Operations 12/31/98 (98-020)
71714	Cold Weather Preparations 09/17/01 (01-017)
71715	Sustained Control Room and Plant Observation 04/14/92 (92-004)
71750	Plant Support Activities 06/24/98 (98-010)
71801	Decommissioning Performance and Status Review at Permanently Shutdown Reactors 08/11/97 (97-012)
71841	Human Performance 12/12/00 (00-027)
71846B	Review of Conduct of Operations 10/01/76 (76-24)

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)
72500B	Initial Fuel Loading Procedure 04/30/75 (75-16)
72502B	Initial Criticality Procedure Review (BWR) 04/30/75 (75-16)
72504B	Heatup 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)

PART

PROCEDURE

- 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)
- 72526 BWR Initial Criticality Witnessing 01/20/84 (84-04)
- 72532 Power Level Plateau Data Review (BWR) 01/20/84 (84-04)
- 72564B Precritical Test Procedure Review - Protective Trip Circuit or Rod Drop Measurement 07/01/80 (80-16)
- 72566B Precritical Test Procedure Review - RES Lead Test or Pressurizer Effectiveness 07/01/80 (80-16)
- 72570B Initial Criticality Procedure Review (PWR) 07/01/80 (80-16)
- 72572B Low Power Test Procedures Review Moderator Temperature Coefficient and Boron Worth or Control Rod Worth and Pseudo Rod Ejection Worth 07/01/80 (80-16)
- 72576B Power Ascension Test Procedure Review - Natural Circulation or Power Reactivity Coefficient Measurement 07/01/80 (80-16)
- 72578B Power Ascension Test Procedure Review - Evaluation of Core Performance 07/01/80 (80-16)
- 72580B Power Ascension Test Procedure Review - Turbine Trip or Generator Trip 07/01/80 (80-16)
- 72582B Power Ascension Test Procedure Review - Loss of Offsite Power (Group A) 07/01/80 (80-16)
- 72583B Power Ascension Test Procedure Review: Shutdown from Outside the Control Room (Group B) 07/01/80 (80-16)
- 72584B Power Ascension Test Procedure Review - Evaluation of Flux Asymmetry or Pseudo Rod Ejection Test 04/30/75 (75-16)
- 72592 PWR Initial Criticality Witnessing 01/20/84 (84-04)
- 72596B Precritical 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 Plateau Data Review (75% PWR) 07/01/80 (80-16)
- 72624B Power Level Plateau Data Review (100% PWR) 07/01/80 (80-16)
- 72701 Modification Testing 04/14/92 (92-004)

7300 Inservice Inspection

- 73051 Inservice Inspection - Review of Program 01/14/86 (86-03)
- 73052 Inservice Inspection - Review of Procedures 01/14/86 (86-03)
- 73753 Inservice Inspection 06/24/98 (98-010)
- 73755 Inservice Inspection - Data Review and Evaluation 01/14/86 (86-03)
- 73756 Inservice Testing of Pumps and Valves 07/27/95 (95-009)

7400 Reserved

7500 Reserved

PART
PROCEDURE

7600 Reserved

7700 Reserved

7800 High Level Waste

7900 Water Chemistry

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)

80721 Radiological Environmental Monitoring 09/17/01(01-017)

8100 Physical Security

81001 Independent Spent Fuel Storage Installations 09/17/01 (01-017)
81001.1 Independent Spent Fuel Storage Installation(s) at Operating Plants
02/02/04 (04-003)

81018 Security Plan and Implementing Procedures 05/09/84 (84-15)

81020 Management Effectiveness - Security Program 05/09/84 (84-15)

81022 Security Organization 05/09/84 (84-15)

81034 Security Program Audit 05/09/84 (84-15)

81038 Records and Reports 05/09/84 (84-15)

81042 Testing and Maintenance 05/09/84 (84-15)

81046 Locks, Keys, and Combinations 05/09/84 (84-15)

81052 Physical Barriers - Protected Areas 05/09/84 (84-15)

81054 Physical Barriers - Vital Areas, Material Access Areas, and
Controlled Access Areas 05/09/84 (84-15)

81058 Security System Power Supply 05/09/84 (84-15)

81062 Lighting 05/09/84 (84-15)

81064 Compensatory Measures 05/09/84 (84-15)

81066 Assessment Aids 05/09/84 (84-15)

81070 Access Control - Personnel 05/09/84 (84-15)

81072 Access Control (Power Reactor) - Packages 05/09/84 (84-15)

81073 Access Control (Fuel Facility) - Packages, Material,
and SSNM 05/09/84 (84-15)

81074 Access Control - Vehicles 05/09/84 (84-15)

81078 Detection Aids - Protected Areas 05/09/84 (84-15)

81080 Detection Aids - VA, MAA, and CAA 05/09/84 (84-15)

81084 Alarm Stations 05/09/84 (84-15)

81088 Communications 05/09/84 (84-15)

81310 Physical Protection of Shipments of Irradiated Fuel
02/20/86 (86-09)

81335 Physical Protection of Shipments of SNM of Moderate
Strategic Significance (MSNM) 02/20/86 (86-09)

PART

PROCEDURE

81340	Physical Protection of Shipments of SNM of Low Strategic Significance (LSNM) 02/20/86 (86-09)
81360	General Requirements for Physical Protection of Formula Quantities of Special Nuclear Material in Transit 08/20/86 (86-40)
81365	Records, Reports, and Planning for Physical Protection of Formula Quantities of Special Nuclear Material in Transit 08/20/86 (86-40)
81370	Specific Requirements for Physical Protection of Formula Quantities of Special Nuclear Materials in Transit 08/20/86 (86-40)
81401	Plans, Procedures, and Reviews 09/17/01 (01-017)
81402	Reports of Safeguards Events 06/13/85 (85-23)
81403	Receipt of New Fuel at Reactor Facilities 09/17/01 (01-017)
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 06/13/85 (85-23)
81431	Fixed Site Physical Protection of Special Nuclear Material of Low Strategic Significance 09/17/01 (01-017)
81501	Personnel Training and Qualification - General Requirements 05/09/84 (84-15)
81502	Fitness For Duty Program 05/31/91 (91-008)
81601	Safeguards Contingency Plan - Implementation Review 05/09/84 (84-15)
81700	Physical Security Program for Power Reactors 07/01/97 (97-010)
81810	Protection of Safeguards Information 02/09/87 (87-03)
81815	Authorizations for Access to National Security Information (NSI) and Restricted Data (RD) 04/30/97 (97-005)
81820	Physical Protection Facility Approval and Safeguarding of National Security Information (NSI) and Restricted Data (RD) 04/30/97 (97-005)
81910	Alarm Stations 02/19/91 (91-003)
81911	Assessment 02/19/91 (91-003)
81912	Badge Control 02/19/91 (91-003)
81913	Communications 02/19/91 (91-003)
81914	Duress Alarms 02/19/91 (91-003)
81915	EECP Machine Performance - Explosive Detectors 02/19/91 (91-003)
81916	EECP Machine Performance - Metal Detectors 02/19/91 (91-003)
81917	EECP Machine Performance - X-ray 02/19/91 (91-003)
81918	Emergency Power Supply 02/19/91 (91-003)
81919	Interior Alarms 02/19/91 (91-003)
81920	Intrusion Detection System 02/19/91 (91-003)
81921	Isolation Zone 02/19/91 (91-003)
81922	Keys, Locks, and Combinations 02/19/91 (91-003)
81923	Lighting 02/19/91 (91-003)
81924	MAA Barriers 02/19/91 (91-003)
81925	Personnel Searches 02/19/91 (91-003)
81926	Preventative Maintenance 02/19/91 (91-003)
81927	Protected Area Barriers 02/19/91 (91-003)
81928	Protected Area Housekeeping 02/19/91 (91-003)
81929	Strategic Special Nuclear Material Exit Searches

PART

PROCEDURE

	02/19/91 (91-003)
81930	Tactical Response Team Exercises 02/19/91 (91-003)
81931	Vehicle Barriers 02/19/91 (91-003)
81932	Vehicle Escorts 02/19/91 (91-003)
81933	Vehicle Searches 03/18/91 (91-005)
81934	Warehouse Searches 03/18/91 (91-005)
81935	Weapons Qualification 02/19/91 (91-003)

8200 Emergency Planning

82001	Evaluation of Emergency Preparedness 05/22/00 (00-010)
82201	Emergency Detection and Classification 03/23/05 (05-008)
82202	Protective Action Decision Making 03/23/05 (05-008)
82301	Evaluation of Exercises for Power Reactors 12/31/96 (96-024)
82302	Review of Exercise Objectives and Scenarios for Power Reactors 06/24/98 (98-010)
82701	Operational Status of the Emergency Preparedness Program 12/31/96 (96-024)

8300 Radiation Protection

83100	Occupational Exposure During SAFSTOR and DECON 12/30/91 (91-022)
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)
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)
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)

PART

PROCEDURE

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)
- 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 06/06/02 (02-023)
- 84900 Low-Level Radioactive Waste Storage 10/20/00 (00-022)

8500 Material Control and Accountability

- 85102 Material Control and Accounting - Reactors 03/29/85 (85-10)
- 85200 MC&A for Licensees Possessing Less Than or Equal to One Effective Kilogram of SNM 04/10/85 (85-15)
- 85203 Facility Organization and Management Controls 01/17/86 (86-04)
- 85205 Facility Operations and Internal Controls 04/10/85 (85-15)
- 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)
- 85301 MC&A for Imports and Exports 07/18/84 (84-22)
- 85303 MC&A Management Structure and Personnel Training and Qualification 03/18/91 (91-005)
- 85305 Item Monitoring 03/18/91 (91-005)
- 85307 Process Monitoring 03/18/91 (91-005)
- 85309 Measurement Systems and Control 03/18/91 (91-005)
- 85311 Physical Inventory 03/18/91 (91-005)
- 85313 Alarm Resolution 03/18/91 (91-005)
- 85315 Accounting and Internal Control 03/18/91 (91-005)
- 85401 Management Structure 07/22/99 (99-011)
- 85402 Measurement Control 07/22/99 (99-011)
- 85403 Measurement Control Program 07/22/99 (99-011)
- 85404 Physical Inventory 10/23/96 (96-021)
- 85405 Item Control Program 07/22/99 (99-011)
- 85406 Resolution Program 10/23/96 (96-021)
- 85407 Assessment Program 07/22/99 (99-011)
- 85408 Recordkeeping 07/22/99 (99-011)
- 85420 Inspection of IAEA Safeguards for Inspectors at Power Reactors 06/22/88 (88-07)
- 85425 Implementation of US/IAEA Safeguards Agreement at Fuel Facilities 06/22/88 (88-07)
- 85501 Inventory Program 07/22/99 (99-011)
- 85502 Detection Program 07/22/99 (99-011)
- 85503 Resolution Program 07/22/99 (99-011)

8600 Spent Fuel and Other Radioactive Material Packaging and Shipping

PART

PROCEDURE

- 86001 Design, Fabrication, Testing, and Maintenance of Transportation Packagings 02/07/02 (02-004)
- 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 04/24/02 (02-020)
- 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 12/31/02 (02-047)
- 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 10/24/02 (02-041)
- 87132 Brachytherapy Programs 12/06/05 (05-033)
- 87133 Medical Gamma Stereotactic Radiosurgery and Teletherapy Programs 10/24/02 (02-041)
- 87134 Medical Broad-Scope Programs 09/28/05 (05-027)
- 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 12/20/96 (96-025)
- 88003 Reactive Inspection For Events At Fuel Cycle Facilities 08/10/98 (98-012)
- 88005 Management Organization and Controls 09/05/06 (06-020)
- 88010 Operator Training/Retraining 09/05/06 (06-020)
- 88015 Nuclear Criticality Safety Program 09/05/06 (06-020)
- 88016 Nuclear Criticality Safety Evaluations and Analyses 07/28/06 (06-019)
- 88017 Criticality Alarm Systems 07/28/06 (06-019)
- 88020 Operational Safety 09/05/06 (06-020)

PART

PROCEDURE

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)
88055	Fire Protection 09/05/06 (06-020)
88056	Process Safety Information 01/16/96 (96-001)
88057	Hazard Identification Information 01/16/96 (96-001)
88058	Standard Operating Procedures 01/16/96 (96-001)
88059	Site-Wide Safety Procedures 01/16/96 (96-001)
88060	Detection and Monitoring 01/16/96 (96-001)
88061	Chemical Safety Training 01/16/96 (96-001)
88062	Maintenance and Inspection 01/16/96 (96-001)
88063	Management of Change 01/16/96 (96-001)
88064	Emergency Response Procedures 01/16/96 (96-001)
88065	Incident Investigation 01/16/96 (96-001)
88066	Audits and Inspection 01/16/96 (96-001)
88070	Permanent Plant modification 09/05/06 (06-020)
88071	Configuration Management Programmatic Review 07/28/06 (06-019)
88075	Event Followup 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)
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)
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)
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)
88134	Quality Assurance: Piping Relied on for Safety) 05/18/05 (05-013)
88135	Resident Inspection Program for Category I Fuel Cycle Facilities 0925/06 (06-025)

PART

PROCEDURE

8900 Fuel Facility and Materials Special Program

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

9000 Reportable Matters and Report Reviews

90501B Reportable Matters - Startup Test Program 04/30/75
(75-16)
90700 Feedback of Operational Experience Information at Operating
Power Reactors 03/23/05 (05-008)
90712 Inoffice Review of Written Reports of Nonroutine 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 Nonroutine 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 Followup of Written Reports of Nonroutine Events
at Power Reactor Facilities 12/31/98 (98-020)
92701 Followup 03/13/07 (07-010)
92702 Followup on Corrective Actions for Violations and Deviations
03/14/94 (94-005)
92703 Followup of Confirmatory Action Letters 03/30/05 (05-009)
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)
92901 Followup - Plant Operations 09/17/01 (01-017)
92902 Followup - Maintenance 09/17/01 (01-017)
92903 Followup - Engineering 09/17/01 (01-017)
92904 Followup - Plant Support 09/17/01 (01-017)

9300 Non-Routine Activities

93001 OHSA Interface Activities 02/11/04 (04-006)
93702 Prompt Onsite Response To Events At Operating Power
Reactors 09/17/01 (01-017)
93800 Augmented Inspection Team 06/22/06 (06-015)
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)

PART

TECHNICAL GUIDANCE

- 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)
- 93809 Safety System Engineering Inspection (SSEI)
06/23/97 (97-009)
- 93810 Service Water System Operational Performance Inspection
(SWSOPI) 09/14/98 (98-013)
- 93811 Electrical Distribution System Functional Inspection (EDSFI)
02/03/99 (99-002)
- 93812 Special Inspection 06/22/06 (06-015)

9400 Technical Activities of an Administrative Nature

9500 Strategic Determination Actions

- 95001 Inspection for One or Two White Inputs in a Strategic
Performance Area 10/16/06 (06-027)
- 95002 Inspection for One Degraded Cornerstone or Any three White
Inputs in a Strategic Performance Area 10/16/06 (06-027)
- 95003 Inspection for Repetitive Degraded Cornerstones, Multiple
Degraded Cornerstones, Multiple Yellow Inputs, or One
Red Input 10/26/06 (06-031)

9600 Materials Safety and Security

- 96001 Contingency Response – Annual Force-On-Force Testing Category
1 Fuel Cycle Facilities 02/14/06 (CN 06-003)

9700 Reserved

9800 Reserved

9900 Guidance²

- 99000 Technical Guidance 05/12/86 (86-26)

Technical Guidance

ASME Secton 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

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

PART

TECHNICAL GUIDANCE

	Pressure Vessel Code, Section III & XI 11/12/96 (96-022)
ASME Section XI	American Society of Mechanical Engineers ASME Boiler and Pressure Vessel Code, Section XI 12/08/86 (86-54)
ASME Section XI	American Society of Mechanical Engineers ASME, Section XI 05/12/86 (86-26)
Oper Det Process	Operability Determinations & Functionality Assessments For Resolution of Degraded or Nonconforming Conditions Adverse to Quality or Safety 09/26/05 (05-026)
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
10 CFR 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]
- CFR Discussions Containment Integrated Leak Rate Testing
12/08/86 (86-54)
- 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, App B Criterion VII - Control of Purchased Materials, Equipment and
Services 06/02/71 (71-16)
- 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)
- 70.52 Report of Accidental Criticality or Loss of Special Nuclear
Material 11/15/74 (74-010)

Interpretations

PART
10 CFR GUIDANCE

END