

NRC INSPECTION MANUAL

DIRS

TABLE OF CONTENTS

Table of Contents Current through Change Notice 07-022 Issued 07/18/07

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 06/20/07 (07-020)

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 04/04/07 (07-012)

0306 Information Technology Support for the Reactor Oversight
Process 04/04/07 (07-012)

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.

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)
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 04/04/07 (07-012)
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 04/04/07 (07-012)
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)

PART
CHAPTER

0400 Enforcement Policy

0500 Tracking Systems

0600 Documentation of Program Findings

- 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-
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)

PART
CHAPTER

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)
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)
0613	Reserved for 10 CFR Part 52 Licensed Power Reactor Construction and Test Inspection Reports
0614	Reserved for Documenting Oversight Activities
0615	Research and Test Reactor Inspection Reports 06/23/04 (04-018)
0616	Reserved for Fuel Cycle Safety and Safeguards Inspection Reports
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)

PART
CHAPTER

0700 Communications With Licensees

0730 Generic Communications Regarding Materials and Fuel Cycle
Issues 10/22/02 (02-040)

0800 Feedback - Improving the Regulatory Process

0801 Reactor Oversight Process Feedback Program 10/19/06 (06-028)

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 06/22/06 (06-014)

1200 Inspector Requirements

1201 Conduct of Employees 06/29/99 (99-010)

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)

PART

CHAPTER

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	Vendor 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 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)

PART
CHAPTER

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)
1247	Reserved for Formal Qualification Programs in the Fuel Cycle Safety Program Area
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)
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

PART
CHAPTER

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	<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 07/07/05 (05-018)
1700	<u>Reserved</u>
1800	<u>Reserved</u>
1900	<u>Reserved</u>
2000	<u>Reserved</u>
2100	<u>Reserved</u>
2200	<u>Nuclear Security and Incident Response</u>
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)

PART
CHAPTER

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 High Level Waste

2300 Yucca Mountain Pre-Operation Inspection Program
06/20/01 (01-013)

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

2500/020 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
2507 Reserved for Construction Vendor Inspection Program
2508 Reserved for Design Certification
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 (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)
2515 Light Water Inspection Program - Operations Phase

PART
CHAPTER

	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 04/04/07 (07-012)
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 Rev. 2	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 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) 11/05/03 (03-036)
2515/153 Rev. 1	Reactor Containment Sump Blockage (NRC Bulletin 2003-01) 02/18/05 (05-006)
2515/154 Rev. 2	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).
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)

PART
CHAPTER

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 (06-005)
2515/166	Pressurized Water Reactor Containment Sump Blockage [NRC Rev. 1 Generic Letter 2004-02] 05/16/07 (07-016)
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 (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 Fuel Cycle Facility Inspection Program

2600	Fuel Cycle Facility Operational Safety and Safeguards Inspection Program 04/26/07 (07-014)
2600, App A	Guidance For Conducting Fuel Cycle Inspections 04/26/07 (07-014)
2600, App B	NRC Core Inspection Requirements...Tables 1 and 2 04/26/07 (07-014)
2600, App C	Fuel Cycle Resident Inspection Program 04/26/07 (07-014)
2600, App D	Fuel Cycle Facility Inspection Planning 04/26/07 (07-014)
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)

PART
CHAPTER

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 Control Act) 10/05/01 (01-020)
2630	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 and for 10 CFR Part 71 Transportation Packagings 05/03/07 (07-015)
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)
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)

PART
CHAPTER

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 Rev. 1	Safety Procedures for Panoramic Irradiators 07/14/05 (05-019)
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)

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

PART
PROCEDURE

PART
PROCEDURE

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)
- 35023.52 Reserved for Design Reliability Assurance Program
- 35029 Pre-Combined License (COL) Quality Assurance (QA) Inspection of Site Limited Work Authorization (LWA) 1 & 2 Activities 06/22/05 (05-016)
- 35031.52 Reserved for Design Certification Pre-Meeting
- 35032.52 Reserved for Pre-Docketing Design Certification Quality Assurance Controls Inspection
- 35033.52 Reserved for Post-Docketing Design Certification Quality Assurance Controls Inspection
- 35034.52 Reserved for Design Qualification Testing Inspection
- 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

- 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)

PART

PROCEDURE

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)
40504.52	Reserved for Identification and Resolution of Construction Problems (Program Review)
40505.52	Reserved for Effectiveness of Process to Identify, Resolve, and Prevent Construction Problems
40600.52	Reserved for Licensee Program for ITAAC Closure
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)

PART

PROCEDURE

4300 Vendor Procedures

- 43001 Reactive Inspection of Nuclear Vendors 10/11/94 (94-018)
- 43002.52 Reserved for Routine Inspections of Nuclear Vendors
- 43003.52 Reserved for Reactive Inspections of Nuclear Vendors
- 43004.52 Reserved for Inspection of Commercial-Grade Dedication Programs
- 43005.52 Reserved for NRC Oversight of Third-Party Organizations Implementing Quality Assurance Requirements

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)
- 50054.52 Reserved for Reactor Vessel Material Surveillance Program
- 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

PART

PROCEDURE

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)
51080.52	Reserved for Equipment Qualification

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)

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

PART

PROCEDURE

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)
- 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)
- 60858 Away-From-Reactor ISFSI Inspection Guidance 05/03/07 (07-015)

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)

PART

PROCEDURE

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)
- 62711.52 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)

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

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 02/03/04 (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

PART

PROCEDURE

	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)
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 06/04/07 (07-018)
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)

PART
PROCEDURE

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) 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)

PART

PROCEDURE

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 06/28/07 (07-021)
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)
72517B	Startup Test Procedure Review: Loss of Offsite Power (Group A & B) 07/01/80 (80-16)
72518B	Startup Test Procedure Review - Core Performance

PART
PROCEDURE

	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 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 PI01/14/86 (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

7600 Reserved

7700 Reserved

PART
PROCEDURE

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 Physical Security Plan and Implementing Procedures 05/24/07 (07-17)
81020 Management Effectiveness - Security Program 06/13/07 (07-019)
81022 Security Organization 06/13/07 (07-019)
81034 Security Program Audit 05/09/84 (84-15)
81038 Records and Reports 05/09/84 (84-15)
81042 Testing and Maintenance 04/12/07 (07-013)
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)

PART

PROCEDURE

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 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,

PART

PROCEDURE

	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)
83746.52	Reserved for Offsite Dose Calculation Manual
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)
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)

PART
PROCEDURE

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

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)

PART
PROCEDURE

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)
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)

PART

PROCEDURE

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)
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)
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	Reserved for Structural Steel and Supports Activities
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	Reserved for Mechanical Components
88143	Reserved for Pipe Supports and Restraints

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)

PART
PROCEDURE

- 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)
- 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 OSHA 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 07/18/07 (07-022)
- 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)
- 93809 Safety System Engineering Inspection (SSEI)
06/23/97 (97-009)

PART
PROCEDURE

- 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 07/18/07 (07-022)

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 (06-003)

9700 Reserved

9800 Reserved

PART
TECHNICAL GUIDANCE

9900 Guidance²

- 99000 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)

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

PART

TECHNICAL GUIDANCE

ASME Section III	American Society of Mechanical Engineers ASME Boiler and & XI Pressure Vessel Code, Section III & XI 11/12/96 (96-022)
ASME Section XI	American Society of Mechanical Engineers ASME Boiler and Pressure Vessel Code, Section XI 12/08/86 (86-54)
ASME Section XI	American Society of Mechanical Engineers ASME, Section XI 05/12/86 (86-26)
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)

PART

TECHNICAL GUIDANCE

Filled Organic Coatings Used in Maintenance of Safety Related Equipment 10/11/94 (94-018)

Preconditioning of Structures, Systems, and Components (SSCs) Before Determining Operability 09/28/98 (98-014) [PRECOND.TG]

Mechanical

Freeze Plugs 06/14/93 (93-005)

Steam Generator Plugs and Sleeving Repairs 08/01/94 (94-014)

Steam Generator Tube-to-Secondary Leakage 09/09/03 (03-033) [TG_Mech SGTUBELKG.wpd]

Ice Condenser System Inspections 06/06/05 (05-015)

Operations

Notice of Enforcement Discretion 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)

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
10 CFR GUIDANCE

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

END