

NRC INSPECTION MANUAL

DIRS

TABLE OF CONTENTS

Table of Contents Current through Change Notice 06-007 Issued 03/16/06

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 11/28/05 (05-031)

- 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 12/21/04 (04-028)
 - 0306 Information Technology Support For The Reactor Oversight Process 06/24/03 (03-021)
 - 0307 Reactor Oversight Process Self-Assessment Program 02/20/04 (06-004)
 - 0308 Reactor Oversight Process (ROP) Basis Document 07/28/05 (05-022)
 - 0308, Att 1 Technical Basis for Performance Indicators 10/06/04 (04-025)
 - 0308, Att 2 Technical Basis for Inspection Program 07/28/05 (05-022)
 - 0308, Att 3 Technical Basis for Significance Determination Process 07/28/05 (05-022)

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 07/28/05 (05-022)
0309	Reactive Inspection Decision Basis For Reactors 11/05/03 (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 03/13/06 (06-006)
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 12/21/05 (05-034)
0400	<u>Enforcement Policy</u>
0500	<u>Tracking Systems</u>
0600	<u>Documentation of Program Findings</u>
0608	Performance Indicator Program 12/01/04 (04-027)
0609	Significance Determination Process 11/22/05 (05-030)
0609.01	Significance and Enforcement Review Panel Process 11/22/05 (05-030)
0609.02	Process For Appealing NRC Characterization of Inspection Findings (SDP Appeal Process) 11/22/05 (05-030)
0609.03	Senior Reactor Analyst Support Objectives 08/16/01 (01-015)

PART

CHAPTER

0609 App A	Determining the Significance of Reactor Inspection Findings for At-Power Situations 11/22/05 (05-030)
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 07/24/03 (03-025)
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 07/21/05 (05-020)
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)
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)

PART

CHAPTER

0612	Power Reactor Inspection Reports 09/30/05 (05-028)
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 09/30/05 (05-028)
0612, App A	List of Acronyms Used in IMC 0612 09/30/05 (05-028)
0612, App B	Issue Screening 09/30/05 (05-028)
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" 06/20/03 (03-021)
0612, App E	Examples of Minor Issues 09/30/05 (05-028)
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 03/13/06 (06-006)
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 12/16/03 (03-041)
1200	<u>Inspector Requirements</u>
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

PART
CHAPTER

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 09/02/05 (05-024)
- 1245 Att 1 General Overview of the Inspector Training and Qualification
 Program 05/01/03 (03-014)
- 1245 Att 2 Inspector Competencies 04/05/02 (02-014)
- 1245 Att 3 General Orientation Topics 04/05/02 (02-014)
- 1245 App A Basic-level Training and Certification Journal 09/02/05 (05-024)
- 1245 App B General Proficiency-Level Training and Qualification Journal
 09/02/05 (05-024)
- 1245 App C1 Reactor Operations Inspector Technical Proficiency Training and
 Qualification Journal 09/02/05 (05-024)
- 1245 App C2 Reactor Engineering Inspector Technical Proficiency Training
 and Qualification Journal 09/02/05 (05-024)
- 1245 App C3 Health Physics Inspector Technical Proficiency Training and
 Qualification Journal 08/24/04 (04-022)
- 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 04/05/02 (02-014)
- 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 09/02/05 (05-024)
- 1245 D1 Senior Reactor Analyst Training and Qualification Program
 02/18/05 (05-006)
- 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 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 01/05/01 (01-002)

PART

CHAPTER

Sec. VI NMSS Spent Fuel Project Office Qualification Journal
01/26/05 (05-002)

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 04/14/03 (03-012)

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 04/14/03 (03-012)

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)

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

PART

CHAPTER

1303	Associated With Materials Events Involving Members of the Public 07/14/05 (05-019) 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 04/24/02 (02-020)
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)
2201 App C	Generic, Special, and Infrequent Inspections 02/19/04 (04-007)
2201 App D	Facility Status Reviews 02/19/04 (04-007)
2300	<u>High Level Waste</u>

PART

CHAPTER

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	Nuclear Reactor Inspection Program - Early Site Permit) 05/29/03 (03-018)
2502	Construction Inspection Program: Pre-Combined License (Pre- COL) Phase 06/22/05 (05-016)
2503	Reserved
2504	Reserved
2505	Reserved
2509	Browns Ferry Unit 1 Restart Project Inspection Program 09/08/03 (03-032)
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 11/28/05 (05-031)
2515 App A	Risk-Informed Baseline Inspection Program 01/17/02 (02-001)
2515 App B	Supplemental Inspection Program 03/23/05 (05-008)
2515 App C	Special and Infrequently Performed Inspections 07/07/05 (05-018)
2515 App D	Plant Status 01/26/05 (05-003)
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	Spent Fuel Material Control and Accounting at Nuclear Power

PART

CHAPTER

Rev. 1	Plants 11/28/05 (05-031)
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)
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)
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 04/14/03 (03-012)
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

PART

CHAPTER

2601	Selected Past Generic Communications 9/28/05 (05-027) 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)
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)
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
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,

PART

PROCEDURE

2882	Wet-Source-Storage Gamma Irradiators 03/27/01 (01-010) Transfer of NRC License Files to Agreement State(s) 12/03/01 (01-029)
2900	<u>Performance Appraisal Program</u>
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	<u>Management Meetings</u>
30800B	Initial Management Meeting - Materials Licensees 10/01/76 (76-26)
3100	<u>Reserved</u>
3200	<u>Reserved</u>
3300	<u>Reserved</u>
3400	<u>Reserved</u>
3500	<u>Quality Assurance</u>
35002	Early Site Permit Pre-Docketing Quality Assurance Controls Meeting 05/29/03 (03-018)
35004	Pre-Docketing Early Site Permit Quality Assurance Controls Inspection 05/29/03 (03-018)
35005	Pre-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)

PART

PROCEDURE

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)

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)

PART
PROCEDURE

4300 Vendor Procedures

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

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)

PART

PROCEDURE

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

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)

PART

PROCEDURE

- 60854.1 Preoperational Testing of Independent Spent Fuel Storage Facility Installation at Operating Plants 02/02/04 (04-003)
- 60855 Operation of an ISFSI 03/28/02 (02-012)
- 60855.1 Operation of an Independent Spent Fuel Storage Installation at Operating Plants 02/02/04 (04-003)
- 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)

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)

PART
PROCEDURE

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
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)

PART

PROCEDURE

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 07/09/02 (02-027)
71005	Inspector Review of Licensing-Related Information 08/05/03 (03-027)
71007	Reactor Vessel Head Replacement Inspection 03/16/06 (06-007)
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 04/13/04 (04-008)
71111.02	Evaluation of changes, Tests, or Experiments 07/07/03 (03-023)
71111.04	Equipment Alignment 01/17/02 (02-001)
71111.05AQ	Fire Protection (Annual / Quarterly) 07/07/04 (05-018)
71111.05T	Fire Protection (Triennial) 02/18/05 (05-006)
71111.06	Flood Protection Measures 01/17/02 (02-001)
71111.07	Heat Sink Performance 06/06/05 (05-015)
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 01/17/02 (02-001)
71111.14	Personnel Performance Related to Nonroutine Plant Evolutions and Events 07/07/03 (03-023)
71111.15	Operability Evaluations 1/05/06 (06-001)
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	Safety System Design and Performance Capability 04/13/04 (04-008)
71111.22	Surveillance Testing 1/05/06 (06-001)
71111.23	Temporary Plant Modifications 1/05/06 (06-001)
71114	Reactor Safety-Emergency Preparedness 07/09/02 (02-027)
71114.01	Exercise Evaluation 07/09/02 (02-027)
71114.02	Alert and Notification System Testing 07/09/02 (02-027)
71114.03	Emergency Response Organization Augmentation Testing 07/09/02 (02-027)
71114.04	Emergency Action Level and Emergency Plan Changes 07/09/02 (02-027)
71114.05	Correction of emergency Preparedness Weaknesses and Deficiencies 07/09/02 (02-027)
71114.06	Drill Evaluation 07/09/02 (02-027)
71121	Occupational Radiation Safety 03/06/02 (02-008)
71121.01	Access Control to Radiologically Significant Areas 03/06/02 (02-008)
71121.02	ALARA Planning and Controls 03/06/08 (02-008)
71121.03	Radiation Monitoring Instrumentation 03/06/02 (02-008)
71122	Public Radiation Safety 01/24/03 (03-001)

PART

PROCEDURE

71122.01	Radioactive Gaseous and Liquid Effluent Treatment and Monitoring Systems 01/24/03 (03-001)
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)
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 06/06/05 (05-015)
71151	Performance Indicator Verification 10/06/04 (04-025)
71152	Identification and Resolution of Problems 1/05/06 (06-001)
71153	Event Followup 06/24/03 (03-020)
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	Reserved
72304	Reserved
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

PART

PROCEDURE

	the Control Room (Group A) 07/01/80 (80-16)
72517B	Startup Test Procedure Review: Loss of Offsite Power (Group A & B) 07/01/80 (80-16)
72518B	Startup Test Procedure Review - Core Performance 07/01/80 (80-16)
72524	Initial Fuel Loading Witnessing 01/20/84 (84-04)
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 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

PART

PROCEDURE

7500 Reserved

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)

81110 Operational Safeguards Response Evaluation (OSRE)
09/08/00 (00-017)

PART

PROCEDURE

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)
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)

PART

PROCEDURE

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, 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)

PART

PROCEDURE

- 83801 Inspection of Final Surveys at Permanently Shutdown Reactors
01/28/02 (02-003)
- 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)
- 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)

PART

PROCEDURE

- 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)
- 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)

PART

PROCEDURE

- 88005 Management Organization and Controls 12/20/96 (96-025)
 - 88010 Operator Training/Retraining 05/23/84 (84-17)
 - 88015 Headquarters Nuclear Criticality Safety Program
12/20/96 (96-025)
 - 88020 Regional Criticality Safety Inspection Program
12/20/96 (96-025)
 - 88025 Maintenance and Surveillance Testing 05/23/84 (84-17)
 - 88035 Radioactive Waste Management 05/23/84 (84-17)
 - 88045 Environmental Protection 05/23/84 (84-17)
 - 88050 Emergency Preparedness 04/08/96 (96-007)
 - 88055 Fire Protection 01/14/91 (91-001)
 - 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)
 - 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)
 - 88107 Quality Assurance: Design and Documentation Control
(Pre-licensing and Construction) 05/18/05 (05-013)
 - 88110 Quality Assurance: Problem Identification, Resolution and
Corrective Action 05/18/05 (05-013)
 - 88130 Resident Inspection Program for On-Site Construction Activities at
the Mixed Oxide Fuel Fabrication Facility 05/18/05 (05-013)
 - 88134 Quality Assurance: Piping Relied on for Safety) 05/18/05 (05-013)
- 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)

PART

PROCEDURE

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 03/14/94 (94-005)
- 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 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 10/23/02 (02-039)
- 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)
- 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 07/07/03 (03-023)

9400 Technical Activities of an Administrative Nature

PART

TECHNICAL GUIDANCE

9500 Strategic Determination Actions

- 95001 Inspection for One or Two White Inputs in a Strategic Performance Area 05/23/03 (03-016)
- 95002 Inspection for One Degraded Cornerstone or Any three White Inputs in a Strategic Performance Area 05/23/03 (03-016)
- 95003 Inspection for Repetitive Degraded Cornerstones, Multiple Degraded Cornerstones, Multiple Yellow Inputs, or One Red Input 01/17/02 (02-001)

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)
- 99100 Health Physics Positions 10/30/92 (92-011)

Technical Guidance

- Reg. Guide 1.16, Para. C.2.a(2) and C.2.b(2) - Reporting Requirements - Degraded Mode 04/01/79 (79-05)
- Reg. Guide 1.16, Para. C.2.a(3) - Reporting Requirements - Abnormal Degradation 04/01/78 (78-11)
- Reg. Guide 1.16, Para. C.2.a(4) - Reporting Requirements - Reactivity Anomalies 07/01/78 (78-24)
- Reg. Guide 1.33 "Procedure Implementation" as used in Section 6.8.1 of Standard Technical Specifications 04/01/77 (77-05)
- Reg. Guide 1.58 Qualifications of Nuclear Power Plant Inspection, Examination and Testing Personnel 04/01/77 (77-05)
- ASME Seson III American Society of Mechanical Engineers ASME Boiler and Pressure Vessel Code, Section III 06/16/89 (89-011)
- ASME Section III American Society of Mechanical Engineers ASME Boiler and & XI Pressure Vessel Code, Section III & XI 11/12/96 (96-022)

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

PART

TECHNICAL GUIDANCE

ASME Section IX	American Society of Mechanical Engineers ASME Boiler and Pressure Vessel Code, Section IX 05/12/86 (86-26)
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)
IEEE	Institute of Electrical and Electronic Engineers IEEE Standard 450-1975 05/12/86 (86-26)
ANSI	American National Standards Institute ANSI N18.7-1972 Section 5.1.5 05/12/86 (86-26)
ANSI	ANSI N18.7, Section 5.2.7 - Design and Construction Type Activities Conducted During the Operations Phase (Maintenance and Modifications) 04/01/77 (77-05)
ANSI	ANSI N45.2.9, Section 5.5 - Records Storage Facility 1/01/82 (81-28)
ANSI	ANSI N45.2.9, Section 5.6 - NRC Criteria for Records Storage Facilities 07/01/80 (80-17)
ANSI	ANSI/ASME NQA-1-1989, Supplement 17S-1, Section 5 09/17/90 (CN-010) (90-010)
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 1.0	Operable/Operability 10/31/91 (91-015)
STS Sec 3.0	Acceptable Measurement Tolerances for Technical Specification Limits 10/01/78 (78-35)
STS Sec 3.0	Operability and Action Statement Requirements 07/01/80 (80-17)
STS Sec 3.0	Voluntary Entry Into Action Statement 01/01/82 (81-28)
STS Sec 3.0	Resolution of Degraded and Nonconforming Conditions 10/23/97 (97-018) [STS30DEG.TG]
STS Sec 3.0.3	Limiting Conditions for Operations 08/31/87 (87-30)
STS Sec 3.0 and Sec 4.0	Limiting Conditions for Operation and Surveillance Requirements 07/22/87 (87-26)

PART

TECHNICAL GUIDANCE

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 4.7.9	Surveillance of Snubber Piston Settings	04/01/81 (81-08)
STS Sec 4.7.9.1.a	Establishment of Visual Inspection Intervals for Snubbers	10/01/78 (78-35)
STS Sec 4.7.9.1.a	Hydraulic Snubber Inspection Schedule	01/01/79 (78-48)
STS Sec 4.7.9.6	Operability of Hydraulic Snubbers With Empty Reservoirs	10/01/80 (80-24)
STS Sec 4.8.1.1.2	Surveillance Testing of Diesel Generator Lockout Feature	05/12/86 (86-26)
STS Sec 6.5.1	Onsite Committee Review of Unit Operations to Detect Potential Nuclear Safety Hazards	10/01/80 (80-24)
STS Sec 6.5.1.1	Licensee Review Responsibility for Matters Related to Nuclear Safety	01/01/82 (81-28)
STS Sec 6.5.1.6c and Sec 6.5	Licensee Review Responsibility for Proposed Changes to Facility Technical Specifications	01/01/82 (81-28)
STS Sec 6.5.2.8	Requirements for Off-Site Committee Audit Functions	10/01/78 (78-35)
STS Sec 6.9.1.7	Reporting Requirements - Reportable Occurrences	04/01/78 (78-11)
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

10 CFR 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

Procedural Adherence 01/14/91 (91-001)

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]

Safety and Compliance 09/09/97 (97-015) [SAFETY.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)

10 CFR 30 License Condition, "Used by or under the supervision of...." 10/01/79 (79-23)

10CFR71 and 49CFR171-178 Transportation of Radioactive Material 12/01/04 (04-027)

50 Byproduct Material Produced in Non-Power Reactors 09/30/88 (88-14)

50.34(a) & (b) Status of PSAR After FSAR is Submitted 12/30/87 (87-39)

50.36 Changes to Facility Technical Specifications 01/01/77 (76-39)

50.54(o) Guidance Relating to the Application of Appendix J -Primary Reactor Containment Leakage Testing for Water-Cooled Power Reactors 04/01/78 (78-11)

50.55(e) Construction Deficiency Reporting 01/31/89 (89-002)

PART

10 CFR GUIDANCE

50.55a	Codes and Standards 02/22/73 (73-9)
50.55a(g)	Pump Operability Requirements 07/01/80 (80-17)
50.59	10 CFR 50.59, Changes, Tests, and Experiments 03/13/01 (01-008) [50_59.CFR]
50.109	Backfitting 01/01/82 (81-28)
Part 50, App A	Definition of Leak-Before-Break Analysis 09/26/96 (96-020)
Part 50, App B	Responsibility - Review and Approval of Licensee QA Plans for Operation, 10/01/80 (80-24)
Part 50, App B	Applicability of Appendix B to Chemicals and Reagents, 04/01/77 (77-05)
Part 50, App B	Criterion II - Maintenance of Proficiency for Personnel Performing Activities Affecting Quality 07/01/81 (81-19)
Part 50, App B	Criterion VII - Guidance - Use of Certificate of Conformance 04/01/80 (80-08)
Part 50, App B	Criterion VII - Guidance - Procurement of Spare and Replacement Parts, 01/01/82 (81-28)
Part 50, App B	Criterion VII - Control of Purchased Materials, Equipment and Services 06/02/71 (71-16)
Part 50, App B	Criterion X & XVII - Inspection Documentation Guidance 01/14/88 (88-01)
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

Materials License Conditions - Interpretations 05/12/71 (71-12)

END