

NRC INSPECTION MANUAL

IIPB

TABLE OF CONTENTS

Table of Contents Current through Change Notice 01-016 Issued
08/24/01

PART

CHAPTER

0000 NRC Inspection Manual¹

0030 Policy and Guidance for Development of NRC
Inspection

NRC 0040 Manual Programs 04/30/97 (97-005)
Preparing, Revising, and Issuing Documents for the
Inspection Manual 08/16/01 (01-015)

0100 Program Responsibilities

0102 Oversight and Objectivity of Inspectors and
Examiners

at Reactor Facilities 06/29/99 (99-010)
0111 Monitoring Activities for the DOE West Valley
Demonstration Project 12/10/85 (85-40)

0200 Program Management Reports

0230 Morning Report 10/30/92 (92-011)

0300 Inspection Policy

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

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

(95-013) 0302 Inspection Program Evaluation Activities 09/27/95

0303 Item Reporting 11/30/99 (99-019)

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

0304 Plant Performance Review 09/26/96 (96-020)
0305 Operating Reactor Assessment Program 04/24/00 (00-009)
0307 Reactor Oversight Process Self-Assessment Program 04/12/01 (01-012)
0312 Technical Assistance for Radiation Safety Inspections
at Nuclear Fuel Cycle Facilities and Materials Licensees' Sites 08/28/95 (95-010)
0330 Guidance for NRC Review of Licensee Draft Documents 07/08/96 (96-015)
0350 Staff Guidelines for Oversight of Operating Reactor Facilities in an Extended Shutdown as a Result of Significant Performance Problems 03/23/01 (01-009)

0400 Enforcement Policy

0500 Tracking Systems

0600 Documentation of Program Findings

0608 Performance Indicator Program 04/12/01 (01-012)
0609 Significance Determination Process 08/16/01 (01-015)
0609.01 Enforcement Review Panel 04/21/00 (00-007)
0609.02 Process For Appealing NRC Characterization of Inspection Findings (SDP Appeal Process) 08/16/01 (01-015)
0609.03 Senior Reactor Analyst Support Objectives 08/16/01 (01-015)
0609 App A Significance Determination of Reactor Inspection Findings For At-Power Situations 02/05/01 (01-003)
0609 App B Emergency Preparedness Significance Determination Process 12/29/00 (00-030)
0609 App C Occupational Radiation Safety Significance Determination Process 04/21/00 (00-007)
0609 App D Public Radiation Safety Significance Determination Process 12/29/00 (00-030)

PART

CHAPTER

0609 App E Interim Physical Protection - Significance
Determination Process 08/14/01 (01-014)

0609 App F Fire Protection Significance Determination
Process 02/27/01 (01-005)

0609, App F, Att 1, Application of Fire Protection Risk-
Significant Screening Methodology to Hypothetical Cases
02/27/01 (01-005)

0609, App F, Att 2, Additional Guidance for the Assessment
of Findings Using Significance Determination Process Entry
02/27/01 (01-005)

0609 App G Shutdown Operations Significance Determination
Process 02/27/01 (01-005)

0609 App H Containment Integrity Significance Determination
Process 04/21/00 (00-007)

0609 App I Operator Requalification - Human Performance
Significance Determination Process 12/29/00 (00-030)

0610 Inspection Reports 06/22/98 (98-009)

0610* Power Reactor Inspection Reports 02/27/01 (01-
005)

0620 Inspection Documents and Records
07/08/96 (96-015)

0630 Analysis of the Impact of Noncompliance with
Physical Security Requirements 10/01/82 (82-09)

0700 Communications With Licensees

0720 Nuclear Regulatory Commission Generic
Communications Regarding Nuclear Reactor Issues 03/21/94 (94-
009)

0730 Generic Communications Regarding Materials and
Fuel Cycle Issues 11/15/99 (99-018)

0800 Feedback - Improving the Regulatory Process

0801 Inspector Feedback 01/01/83 (83-01)

0900 Reporting of Events/Incidents

PART

CHAPTER

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 09/14/98 (98-013)

1010 Independent Assessment and Analysis 01/20/87
(87-02)

1100 Notifications of Meetings and Conferences

1100 Notification of Significant Meetings 08/06/87
(87-27)

1110 Potential Abnormal Occurrences 04/25/78 (78-13)

1120 Preliminary Notifications 12/27/94 (94-021)

1200 Inspector Requirements

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

1220 Processing of NRC Form 241, "Report of Proposed
Activities In Non-Agreement States," and Inspection of
Agreement State Licensees Operating Under 10 CFR
150.20

09/08/97 (97-014)
1220/001 Inspection of Agreement State Licensees Operating
Under 10 CFR 150.20 02/13/01 (01-004)

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 Inspector Access at Power Reactors 09/18/81 (81-
23)

1245 Inspector Qualification For the Office of Nuclear
Reactor Regulation Inspection Program 04/09/01 (01-
011)

1245 APP A Training Requirements For Inspector
Classifications

04/09/01 (01-011)

Sec. I BWR Operations Inspector 09/14/99 (99-015)

Sec. II Westinghouse PWR Operations Inspector 09/14/99
(99-015)

Sec. III Combustion Engineering PWR Operations Inspector

PART

CHAPTER

09/14/99 (99-015)
Sec. IV Babcock & Wilcox PWR Operations Inspector 09/14/99
(99-015)
Sec. V Reactor Engineering Support Inspector 09/14/99
(99-015)
Sec. VI Reactor Health Physics Inspector 09/14/99 (99-015)
Sec. VII Reactor Safeguards Inspector 09/14/99 (99-015)
Sec. VIII Reactor Technical Specialist/Team Member 09/14/99
(99-015)
Sec. IX Reactor Emergency Preparedness or Health Physics
Specialist/Team Member 09/14/99 (99-015)
Sec. X Non-Power Reactor Inspector 09/14/99 (99-015)
Sec. XI Emergency Preparedness Inspector 09/14/99 (99-015)
Sec. XII NRR Vendor Inspector 12/02/96 (96-023)
Sec. XIII Reactor Decommissioning Inspector 09/14/99 (99-
015)
Sec. XIV Technical Assistance Inspector 01/21/98 (99-015)
Sec. XV Training Requirements for Senior Reactor Analyst
04/09/01 (01-011)
1245 APP B Inspector Training and Qualification Journal
04/09/01 (01-011)
Sec. I BWR Operations Inspector 09/14/99 (99-015)
Sec. II Westinghouse PWR Operations Inspector 09/14/99
(99-015)
Sec. III Combustion Engineering PWR Operations Inspector
09/14/99 (99-015)
Sec. IV Babcock & Wilcox PWR Operations Inspector 09/14/99
(99-015)
Sec. V Reactor Engineering Support Inspector 09/14/99
(99-015)
Sec. VI Reactor Health Physics Inspector 10/10/97 (97-017)
Sec. VII Reactor Safeguards Inspector 10/10/97 (97-017)
Sec. VIII Reactor Technical Specialist/Team Member 09/14/99
(99-015)
Sec. IX Reactor Emergency Preparedness or Health Physics
Specialist/Team Member 10/10/97 (97-017)
Sec. X Non-Power Reactor Inspector 10/10/97 (97-017)
Sec. XI Emergency Preparedness Inspector 10/10/97 (97-017)
Sec. XII NRR Vendor Inspector 10/10/97 (97-017)
Sec. XIII Reactor Decommissioning Inspector 10/10/97 (97-
017)
Sec. XIV Technical Assistance Inspector 01/21/98 (98-001)
Sec. XV NRC Senior Reactor Analyst Qualification Journal
04/09/01 (01-011)
1246 Formal Qualification Programs in the Nuclear
Material Safety and Safeguards Program Area
03/27/98 (98-005)
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)

PART

CHAPTER

	Sec. III	Fuel Cycle Safety Inspector	01/05/01 (01-002)
	Sec. IV	Fuel Cycle Safeguards Inspector Physical Security	01/05/01 (01-002)
Material	Sec. V	NMSS Headquarters Fuel Cycle Safeguards Inspector	
		Control and Accounting	01/05/01 (01-002)
Storage	Sec. VI	NMSS Headquarters Transportation Packaging and Dry	
		System Safety Inspector	01/05/01 (01-002)
	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)
Reviewers	Sec. X	Decommissioning Project Managers/Technical	
			01/05/01 (01-002)
	Sec. XI	Materials Exempt Distribution License Reviewer	
			01/05/01 (01-002)
	Sec. XII	Uranium Recovery Inspector	01/05/01 (01-002)
Reviewer	Sec. XIII	Uranium Recovery Project Manager/Technical	
			01/05/01 (01-002)
	Sec. XIV	High-Level Waste Repository Inspector	01/05/01
(01-002)			
Review	Sec. XV	High-Level Waste Repository License Technical	
			01/05/01 (01-002)
Qualification	1246 APP B	NRC Inspector, License Reviewer and Project	
		Manager/Technical Reviewer Training and	
		Journal	01/05/01 (01-002)
	Sec. I	Materials License Reviewer	01/05/01 (01-002)
002)	Sec. II	Materials Health Physics Inspector	01/05/01 (01-
			002)
	Sec. III	Fuel Cycle Safety Inspector	01/05/01 (01-002)
Security	Sec. IV	Fuel Cycle Safeguards Inspector - Physical	
			01/05/01 (01-002)
Material	Sec. V	NMSS Headquarters Fuel cycle Safeguards Inspector	
		Control and Accounting (MC&A)	01/05/01 (01-002)
Storage	Sec. VI	NMSS Headquarters Transportation Packaging and Dry	
		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	
			01/05/01 (01-002)
	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 01/05/01
(01-002)
Sec. XV High-Level Waste Repository License Technical
Reviewer 01/05/01 (01-002)

1300 Incident Response

1301 Response to Non-Emergency Incidents Involving
Radioactive Material 10/20/00 (00-022)
1302 Action Levels For Radiation Exposures and
Contamination Associated With Materials Events Involving
Members of the Public 12/31/97 (97-019)
1303 Requesting Emergency Acceptance of Radioactive
Material by the U.S. Department of Energy (DOE)
07/27/95 (95-009)
1330 Response to Transportation Accidents Involving
Radioactive Materials 07/19/84 (84-22)
1360 Use of Physician and Scientific Consultants in the
Medical Consultant Program 01/27/99 (99-001)

1400 Reserved

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

1500 Reserved

1600 Emergency Preparedness

1601 Communication Protocol For Assessing Offsite
Emergency Preparedness Following a Natural Disaster
09/02/97 (97-013)

1700 Reserved

1800 Reserved

PART

CHAPTER

1900 Reserved

2000 Reserved

2100 Reserved

2200 Reserved

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 02/28/97 (97-003)
2410 Conduct of Observation Audits 07/12/00 (00-012)

2500 Reactor Inspection Program

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 Reactor Inspection Program - Operations Phase
03/06/01 (01-006)
2515 APP. A Risk-Informed Baseline Inspection Program
03/06/01 (01-006)
2515 APP. B Supplemental Inspection Program
03/06/01 (01-006)
2515 APP. C Special and Infrequently Performed
Inspections
03/06/01 (01-006)
2515 App. D Plant status 04/03/00 (00-003)
2515/141 Review of Year 2000 (Y2K) Readiness of Computer
Systems at
Rev. 1 Nuclear Power Plants 08/02/99 (99-012)
2515/142 Draindown During Shutdown and Common-Mode Failure
(NRC Generic Letter 98-02) 06/18/99 (99-009)
2515/144 Performance Indicator Data Collecting and
Reporting Process
Review 12/11/00 (00-024)
2516 Policy and Guidance For The License Renewal
Inspection

PART

CHAPTER

	Program 01/08/01 (01-001)	
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 -	
Operations	Phase 06/13/85 (85-23)	
2561	Decommissioning Power Reactor Inspection Program	08/11/97 (97-012)
2561/003	Re-Examination of Year 2000 (Y2K) Program	
Activities		
(99-019)	at Selected Decommissioning Reactors	11/30/99

2600 Fuel Cycle Facility Inspection Program

2600	Fuel Cycle Facility Operational Safety and	
Safeguards	Inspection Program	04/08/96 (96-007)
2600 App A		04/08/96 (96-007)
2600/002	Fuel Cycle Inspections of Licensees in States	
Which Have		
	Been Denied Access to Low-Level Waste Disposal	
	Facilities	03/11/91 (91-004)
2600/003	Operational Safety Review	01/27/99 (99-001)
2600/004	Headquarters Inspections of Critical Mass and	
Rare-Earth	Fuel Cycle Licensees	01/27/99 (99-001)
2600/005	Criticality Safety Programs at Fuel Cycle	
Facilities		
		10/12/99 (99-017)
2600/006	Resident Inspection Program for Category I Fuel	
	Cycle	
	Facilities	07/12/00 (00-012)
2600/007	Interim Guidance For Fuel Cycle Facility Core	
Inspection		
		Program 08/25/00 (00-014)
2601	Team Assessments of Fuel Cycle and Materials	
Licensees		
		05/04/90 (90-004)
2602	Decommissioning Inspection Program For Fuel Cycle	
Facilities	and Materials Licensees	06/04/97 (97-007)
2603	Inspection of the Nuclear Chemical Process Safety	
Program at	Fuel Cycle Facilities	01/16/96 (96-001)
2603/001	Chemical Safety Inspections of Fuel Cycle	
Licensees		

PART

CHAPTER

		01/16/96 (96-001)
2604	Licensee Performance Review	08/26/96 (96-018)
2605	Decommissioning Procedures For Fuel Cycle and Licensees	11/12/96 (96-022)
Material 2610	Inspection Program at Nuclear Fuel Services Plant Erwin, Tennessee	01/09/86 (86-01)
2620	On-Site Construction Reviews of Remedial Action at Uranium Mill Tailing Sites	02/11/93 (93-002)
Inactive 2630	Gaseous Diffusion Plant Operational Safety and Inspection Program	12/30/96 (96-026)
Safeguards 2641	In-Situ Leach Facilities Inspection Program	08/25/00 (00-014)
2681	Physical Protection and Transport of SNM and Inspections of Fuel Facilities	
Irradiated Fuel 09/26/96 (96-020)		
2681 Exh. 5		08/20/86 (86-40)
2681 Exh. 6		08/20/86 (86-40)
2681/05	Physical Security Inspection For Category I Fuel Cycle Facilities	05/04/90 (90-004)
2681/06	Protected Area Housekeeping	07/10/90 (90-006)
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	
		04/09/97 (97-004)
2690 App A	Inspection Program for an ISFSI Located at a Reactor Site	
		04/09/97 (97-004)
2690 App B	Inspection Program for an ISFSI Located Away From Any Reactor Site	04/09/97 (97-004)

2700 Licensee Contractor and Vendor Inspection Program

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

2800 Materials Inspection Program

2800	Materials Inspection Program	12/01/00 (00-026)
2800/026	Followup Inspection of Formerly-Licensed Sites Identified as Potentially Contaminated	07/12/00 (00-012)
2800/029	Nuclear Medicine Programs	08/28/00 (00-013)

PART

PROCEDURE

Rev. 1
2800/030 Verification of the Status of Devices Authorized
For Use Under a General License 05/30/00 (00-011)
2800/031 Extremity Exposure Monitoring 12/14/00 (00-031)
2801 Uranium Mill 11e.(2) Byproduct Material Disposal
Site and Facility Inspection Program 08/25/00 (00-014)
2805 Inspection at Temporary Job Sites for Licensees
Who Operate in More Than One Region 02/09/87
(87/03)
2810 Master Materials License Inspection Program
02/28/00 (00-002)
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) 12/05/83 (83-15)

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

3500 Quality Assurance

04) 35501 QA for the Startup Test Program 01/20/84 (84-
004) 35701 Quality Assurance Program Review 04/14/92 (92-
35702 Inspection of Quality Verification Function
09/29/98 (98-015)
35703 Graded Quality Assurance 06/29/99 (99-010)
35750 QA Program Measuring and Test Equipment
04/14/92 (92-004)

3600 Organization and Administration

36100 10 CFR Part 21 Inspections at Nuclear Power
Reactors 08/30/91 (91-011)
36800 Organization 08/21/92 (92-010)
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 09/17/90
(90-10)
37701 Facility Modifications 12/08/86 (86-54)
37702 Design Changes and Modifications Program
12/04/87 (87-38)
37703 Tests and Experiments Program 04/14/92 (92-004)
37801 Safety Reviews, Design Changes, and
Modifications at Permanently Shutdown Reactors 08/11/97 (97-012)
37828 Installation And Testing Of Modifications
08/29/88 (88-11)

3800 Procurement

38701 Procurement Program 04/14/92 (92-004)
38702 Receipt, Storage and Handling of Equipment and
Materials Program 04/14/92 (92-004)
38703 Commercial Grade Dedication 04/08/96 (96-007)

3900 Records

39701 Records Program 04/14/92 (92-004)

PART

PROCEDURE

39702 Document Control Program 04/14/92 (92-004)
39745 Class I Non-Power Reactors Organization and
Operations and Maintenance Activities 08/07/92
(92-009)

4000 Review and Audit

40001 Resolution of Employee Concerns 06/03/97 (97-
006)
40002 Inspections to Review Allegations 08/26/96 (96-
018)
40500 Effectiveness of Licensee Process to Identify,
Resolve, and Prevent Problems 05/03/99 (99-008)
40501 Licensee Self-Assessments Related to Team
Inspections 06/11/97 (97-008)
40702 Audit Program 04/14/92 (92-004)
40703 Offsite Support Staff 04/14/92 (92-004)
40704 Implementation, Audit Program 04/14/92 (92-004)
40745 Class I Non-Power Reactor Review and Audit and
Design Change Functions 08/07/92 (92-009)
40755 Class III Non-Power Reactors 08/07/92 (92-009)
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)
42745 Class I Non-Power Reactor Procedures 08/07/92 (92-
009)

4300 Vendor Procedures

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

4400 Reserved

4500 Geotechnical/Foundation

4600 Structural Concrete

PART

PROCEDURE

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)

5100 Electrical Components and Systems

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)

55150 Weld Verification Checklist 06/20/83 (83-06)

5600 Calibration

56700 Calibration 03/02/98 (98-003)

PART

PROCEDURE

5700 Nondestructive Examination, Destructive Examination and Fabrication Testing

- 57050 Visual Testing Examination 03/09/99 (99-003)

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

5800 Special Processes

5900 Reserve Shutdown System

6000 Fuel Fabrication, Handling and Storage

- 60705 Preparation for Refueling 07/27/95 (95-009)
- 60710 Refueling Activities 07/27/95 (95-009)
- 60745 Class I Non-Power Reactor Fuel Movement 10/03/94
(94-017)
- 60801 Spent Fuel Pool Safety at Permanently Shutdown
Reactors 08/11/97 (97-012)
- 60851 Design Control of ISFSI Components 05/22/00 (00-010)
- 60852 ISFSI Component Fabrication By Outside
Fabricators 07/12/00 (00-012)
- 60853 On-Site Fabrication of Components and
Construction of an ISFSI 09/07/00 (00-016)
- 60854 Preoperational Testing of an ISFSI 05/09/96
(96-011)
- 60855 Operation of an ISFSI 02/01/96 (96-003)
- 60856 Review of 10 CFR 72.212(b) Evaluations 11/30/99
(99-019)
- 60857 Review of 10 CFR 72.48 Evaluations 03/09/01 (01-007)

6100 Surveillance

- 61700 Surveillance Procedures and Records 09/13/83
(83-11)
- 61701 Complex Surveillance 06/07/85 (85-21)

PART

PROCEDURE

10/01/80 61702 Surveillance of Core Power Distribution Limits
(81-02)
61705 Calibration of Nuclear Instrumentation Systems
05/12/86 (86-25)
61706 Core Thermal Power Evaluation 07/14/86 (86-36)
10/11/85 61707 Determination of Reactor Shutdown Margin
(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)

61725 Surveillance Testing and Calibration Control
Program
03/02/98 (98-003)
61726 Surveillance Observations 06/24/98 (98-010)
61728 Independent Measurement of RCS Leak Rates for a
PWR
01/01/84 (84-02)
61745 Class I Non-Power Reactor Surveillance 08/07/92
(92-009)

6200 Maintenance

62001 Boric Acid Corrosion Prevention Program 08/01/91
(91-010)
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)
62708 Motor-Operated Valve Capability 09/12/00 (00-
018)
62801 Maintenance and Surveillance at Permanently
Shutdown Reactors 08/11/97 (97-012)

PART

PROCEDURE

6300 Construction Testing

6400 Fire Prevention/Protection

Oil 64100 Postfire Safe Shutdown, Emergency Lighting and
Collection Capability at Operating and Near-Term
Operating, Reactor Facilities 03/16/87 (87-09)
Reverification 64150 Triennial Postfire Safe Shutdown Capability
03/16/87 (87-09)
64704 Fire Protection Program 06/24/98 (98-010)

6500 Reserved

65051 Low-Level Radioactive Waste Storage Facilities
06/13/86 (86-30)

6600 Reserved

6700 Reserved

6800 Reserved

6900 Non-Power Reactor Inspection

69001 Class II Non-Power Reactors 04/09/97 (97-004)
69003 Class I Non-Power Reactor Operator Licenses,
Regualifi- cation, and Medical Activities 04/09/97
(97-004)
69004 Class I Non-Power Reactor Effluent and
Environmental Monitoring 04//09/97 (97-004)
69005 Class I Non-Power Reactor Experiments 04/09/97
(97-004)

7000 Preoperational Testing

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)

PART

PROCEDURE

70370 Testing Piping Support and Restraint Systems
03/07/86 (86-13)

7100 Operations (License & TS Requirements)

71001 Licensed Operator Requalification Program
Evaluation 07/23/98 (98-011)

71002 License Renewal Inspection 09/18/00 (00-019)

71111 Reactor Safety-Initiating Events, Mitigating
Systems,
Barrier Integrity 12/11/00 (00-024)

71111.01 Adverse Weather Protection 04/03/00 (00-003)

71111.02 Evaluation of changes, Tests, or Experiments
09/12/00 (00-018)

71111.04 Equipment Alignment 04/03/00 (00-003)

71111.05 Fire Protection 03/23/01 (01-009)

71111.06 Flood Protection Measures 04/03/00 (00-003)

71111.07 Heat Sink Performance 04/03/00 (00-003)

71111.08 Inservice Inspection Activities 04/03/00 (00-003)

71111.11 Licensed Operator Requalification 08/16/01 (01-
015)

71111.12 Maintenance Rule Implementation 04/03/00 (00-003)

71111.13 Maintenance Risk Assessments and Emergent Work
Evaluation 11/30/00 (00-025)

71111.14 Personnel Performance During Nonroutine Plant
Evolutions 03/06/01 (01-006)

71111.15 Operability Evaluations 04/03/00 (00-003)

71111.16 Operator Workarounds 04/03/00 (00-003)

71111.17 Permanent Plant modifications 09/12/00 (00-018)

71111.19 Post Maintenance Testing 04/03/00 (00-003)

71111.20 Refueling and Outage Activities 03/06/01 (01-006)

71111.21 Safety system Design and Performance Capability
04/03/00 (00-003)

71111.22 Surveillance Testing 04/03/00 (00-003)

71111.23 Temporary Plant Modifications 04/03/00 (00-003)

71114 Reactor Safety-Emergency Preparedness 04/12/01
(01-012)

71114.01 Exercise Evaluation 04/12/01 (01-012)

71114.02 Alert and Notification System Testing 04/03/00
(00-003)

71114.03 Emergency Response Organization Augmentation
Testing 04/03/00 (00-003)

71114.04 Emergency Action Level and Emergency Plan Changes
04/03/00 (00-003)

PART

PROCEDURE

and 71114.05 Correction of emergency Preparedness Weaknesses
Deficiencies 04/03/00 (00-003)

71114.06 Drill Evaluation 04/03/00 (00-003)

71121 Occupational Radiation Safety 04/03/00 (00-003)

71121.01 Access Control to Radiologically Significant Areas
04/03/00 (00-003)

71121.02 ALARA Planning and Controls 04/03/00 (00-003)

003) 71121.03 Radiation Monitoring Instrumentation 04/03/00 (00-
71122 Public Radiation Safety 04/03/00 (00-003)

and 71122.01 Radioactive Gaseous and Liquid Effluent Treatment
Monitoring Systems 04/03/00 (00-003)

71122.02 Radioactive Material Processing and Transportation
04/03/00 (00-003)

71122.03 Radiological Environmental Monitoring Program
(REMP) 04/03/00 (00-003)

71130 Physical Protection 04/03/00 (00-003)

Observation 71130.01 Access Authorization (AA) Program (Behavior
Only) 09/12/00 (00-018)

71130.02 Access Control (Search of Personnel, Packages, and
Vehicles Identification and Authorization 09/12/00 (00-
018)

71130.03 Response to Contingency Events (Protective
Strategy and Implementation of Protective Strategy) 09/12/00
(00-018)

71130.04 Security Plan Changes 09/12/00 (00-018)

Data 71150 Discrepant or Unreported Performance Indicator
03/06/01 (01-006)

71151 Performance Indicator Verification 03/06/01 (01-
006)

71152 Identification and Resolution of Problems
03/06/01 (01-006)

71153 Event Followup 03/06/01 (01-006)

71500 Balance of Plant Inspection 09/30/88 (88-14)

71707 Plant Operations 12/31/98 (98-020)

71711 Plant Startup from Refueling 11/12/86 (86-50)

71714 Cold Weather Preparations 12/26/91 (91-018)

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

PART

PROCEDURE

04)	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)	
	72400B	Overall Startup Test Program	07/01/80 (80-16)
	72500B	Initial Fuel Loading Procedure	04/30/75 (75-16)
04/30/75	72502B	Initial Criticality Procedure Review (BWR)	
		(75-16)	
	72504B	Heatup Phase Procedure Review	04/30/75 (75-16)
07/01/80	72508B	Power Ascension Procedure Review: HPCI System	
		(80-16)	
	72509B	Power Ascension Procedure Review: Control Rod	
Drive		System	07/01/80 (80-16)
	72510B	Power Ascension Procedure Review - Relief Valves and MSIVs	04/30/75 (75-16)
	72512B	Startup Test Procedure Review - RCIC or	
Recirculation		Pump Trip	04/30/75 (75-16)
	72514B	Startup Test Procedure Review - Turbine	
Trip/Generator		Trip	07/01/80 (80-16)
	72516B	Startup Test Procedure Review - Shutdown From	
Outside		the Control Room (Group A)	07/01/80 (80-16)
	72517B	Startup Test Procedure Review: Loss of Offsite	
	Power	(Group A & B)	07/01/80 (80-16)
	72518B	Startup Test Procedure Review - Core Performance	07/01/80 (80-16)
04)	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)
16)			
or	72566B	Precritical Test Procedure Review - RES Lead Test	
		or Pressurizer Effectiveness	07/01/80 (80-16)
	72570B	Initial Criticality Procedure Review (PWR)	
07/01/80		(80-16)	
	72572B	Low Power Test Procedures Review Moderator	
	Temperature		

PART

PROCEDURE

		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)	
72700	Startup Testing - Refueling 11/12/86 (86-50)	
72701	Modification Testing 04/14/92 (92-004)	
7300	<u>Inservice Inspection</u>	
73051	Inservice Inspection - Review of Program 01/14/86 (86-03)	
73052	Inservice Inspection - Review of Procedures 01/14/86 (86-03)	

PART

PROCEDURE

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

7800 High Level Waste

7900 Water Chemistry

79501 LWR Water Chemistry Control and Chemical
Analysis - Audits 02/24/89 (89-005)
79502 Plant Systems Affecting Plant Water Chemistry
12/31/91 (91-021)
79701 LWR Water Chemistry Control and Chemical
Analysis - Program 12/31/91 (91-021)
79702 Control and monitoring of Radiological Source
Term 04/17/00 (00-006)

8000 Environmental Protection

80521 Radiological Environmental Monitoring
(Preoperational and Supplemental) 01/01/84 (84-01)
80721 Radiological Environmental Monitoring 12/31/91
(91-021)

8100 Physical Security

81001 Independent Spent Fuel Storage Installations
08/30/91 (91-011)

PART

PROCEDURE

81018 05/09/84	Security Plan and Implementing Procedures (84-15)
81020 05/09/84	Management Effectiveness - Security Program (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 05/09/84	Access Control (Power Reactor) - Packages (84-15)
81073 Material,	Access Control (Fuel Facility) - Packages, and SSNM 05/09/84 (84-15)
81074	Access Control - Vehicles 05/09/84 (84-15)
81078 15)	Detection Aids - Protected Areas 05/09/84 (84-15)
81080 15)	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 (OSRE)	Operational Safeguards Response Evaluation 09/08/00 (00-017)
81310 Fuel	Physical Protection of Shipments of Irradiated 02/20/86 (86-09)
81335 Moderate	Physical Protection of Shipments of SNM of Strategic Significance (MSNM) 02/20/86 (86-09)
81340 Strategic	Physical Protection of Shipments of SNM of Low Significance (LSNM) 02/20/86 (86-09)
81360 Formula	General Requirements for Physical Protection of Quantities of Special Nuclear Material in Transit
81365 Protection	Records, Reports, and Planning for Physical of Formula Quantities of Special Nuclear Material in Transit 08/20/86 (86-40)

PART

PROCEDURE

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 06/13/85 (85-23)
81402	Reports of Safeguards Events 06/13/85 (85-23)
81403	Receipt of New Fuel at Reactor Facilities
06/13/85	(85-23)
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 11/04/85
(85-34)	
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)
005)	
81820	Physical Protection Facility Approval and Safeguarding of National Security Information (NSI) and Restricted Data (RD) 04/30/97 (97-005)
Restricted	
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)
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)

PART

PROCEDURE

	81921	Isolation Zone	02/19/91	(91-003)
003)	81922	Keys, Locks, and Combinations	02/19/91	(91-003)
	81923	Lighting	02/19/91	(91-003)
	81924	MAA Barriers	02/19/91	(91-003)
	81925	Personnel Searches	02/19/91	(91-003)
	81926	Preventative Maintenance	02/19/91	(91-003)
	81927	Protected Area Barriers	02/19/91	(91-003)
	81928	Protected Area Housekeeping	02/19/91	(91-003)
	81929	Strategic Special Nuclear Material Exit Searches	02/19/91	(91-003)
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

(00-010)	82001	Evaluation of Emergency Preparedness	05/22/00	
	82201	Emergency Detection and Classification	03/31/93	(93-003)
003)	82202	Protective Action Decision Making	03/31/93	(93-003)
003)	82203	Notifications and Communications	03/31/93	(93-003)
003)	82205	Shift Staffing and Augmentation	03/31/93	(93-003)
	82206	Knowledge and Performance of Duties (Training)	03/31/93	(93-003)
003)	82207	Dose Calculation and Assessment	03/31/93	(93-003)
	82301	Evaluation of Exercises for Power Reactors	12/31/96	(96-024)
Power	82302	Review of Exercise Objectives and Scenarios for Reactors	06/24/98	(98-010)
	82701	Operational Status of the Emergency Preparedness Program	12/31/96	(96-024)
009)	82745	Research Reactor Emergency Plan	08/07/92	(92-009)

8300 Radiation Protection

	83100	Occupational Exposure During SAFSTOR and DECON	12/30/91	(91-022)
	83501	Significant Uncontrolled Radiation Exposures		

PART

PROCEDURE

04/17/00 (00-006)

83502.01 Radioactive Gaseous and Liquid Treatment and
Monitoring Systems 04/17/00 (00-006)

83502.02 Radioactive Material Process and Transportation
04/17/00 (00-006)

83502.03 Radiological Environmental Monitoring Program and
Radioactive Material Control Program 04/17/00
(00-006)

83521 Radiation Protection - Startup 01/01/84 (84-01)

83522 Radiation Protection, Plant Chemistry, Radwaste,
and Environmental: Organization and Management
Controls

83523 Radiation Protection, Plant Chemistry, Radwaste,
Transportation and Environmental: Training and
qualifications (Preoperational and Supplemental)
01/01/84 (84-01)

83524 External Occupational Exposure Control and
Personal Dosimetry (Preoperational and Supplemental)
01/01/84 (84-01)

83525 Internal Exposure Control and Assessment
(Preoperational and Supplemental) 01/01/84 (84-01)

83526 Control of Radioactive Materials and
Contamination, Surveys, and Monitoring
(Preoperational and Supplemental) 01/01/84 (84-01)

83527 Facilities and Equipment (Preoperational and
Supplemental) 01/01/84 (84-01)

83722 Radiation Protection, Plant Chemistry, and
Radwaste: Organization and Management Controls
(Minimum/Basic) 01/01/84 (84-01)

83723 General Employee, Radiation Safety, Plant
Chemistry, Radwaste, and Transportation Training 04/17/00
(00-006)

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
12/31/91 (91-021)

83727 Facilities and Equipment (Basic) 01/01/84 (84-01)

PART

PROCEDURE

83728 Maintaining Occupational Exposures ALARA
04/17/00 (00-006)
83729 Occupational Exposure During Extended Outages
12/31/91 (91-021)
83743 Class I Non-Power Reactors Radiation Protection
10/03/94 (94-017)
83750 Occupational Radiation Exposure 03/15/94 (94-
006)
83801 Inspection of Final Surveys at Permanently
Shutdown Reactors 08/11/97 (97-012)
83822 Radiation Protection 09/07/00 (00-016)
83890 Closeout Inspection and Survey 03/07/94 (94-
004)
83895 Radiation Protection - Followup on Expired
Licenses 11/08/83 (83-13)
83895 Tbl I 07/11/85 (85-24)

8400 Radioactive Waste Management

84100 Special Nuclear Material Inspections At Near
Surface Low- Level Waste Disposal Facilities In
Agreement States 05/29/92 (92-006)
84101 Radioactive Waste Management 12/30/91 (91-022)
84521 Radwaste - Startup 01/01/84 (84-01)
84522 Solid Wastes (Preoperational and Supplemental)
01/01/84 (84-01)
84523 Liquids and Liquid Wastes (Preoperational and
Supplemental) 01/01/84 (84-01)
84524 Gaseous Waste System (Preoperational and
Supplemental) 01/01/84 (84-01)
84525 Quality Assurance and Confirmation Measurements
for In-Plant Radiochemical Analysis 05/23/85 (85-
19)
84722 Solid Wastes 12/31/91 (91-021)
84723 Liquids and Liquid Wastes 12/31/91 (91-021)
84724 Gaseous Waste System 12/31/91 (91-021)
84725 Quality Assurance and Confirmatory Measurements
for In-Plant Radiochemical Analysis 12/31/91 (91-
021)
84750 Radioactive Waste Treatment, and Effluent and
Environmental Monitoring 03/15/94 (94-006)
84850 Radioactive Waste Management - Inspection of
Waste

PART

PROCEDURE

61	Generator Requirements of 10 CFR 20 and 10 CFR 03/07/94 (94-004)
84900 (00-022)	Low-Level Radioactive Waste Storage 10/20/00
8500	<u>Material Control and Accountability</u>
85102 03/29/85	Material Control and Accounting - Reactors (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 04/10/85	Facility Operations and Internal Controls (85-15)
85207	Measurement Systems 01/17/86 (86-04)
85209 (85-15)	Measurement Control and Statistics 04/10/85
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 005)	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 005)	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 Power at Fuel	Inspection of IAEA Safeguards for Inspectors at Reactors 06/22/88 (88-07)
85425	Implementation of US/IAEA Safeguards Agreement 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)

PART

PROCEDURE

8600

Spent Fuel and Other Radioactive Material Packaging and Shipping

- 86001 Design, Fabrication, Testing, and Maintenance of Transportation Packagings 10/23/96 (96-021)
- 86700 Spent Fuel Pool Activities 06/07/85 (85-21)

- 86702B Spent Fuel Pool Activities 01/01/79 (78-48)
- 86721 Transportation (Basic) 01/01/84 (84-01)
- 86730 Transportation of Radioactive Materials (49 CFR Parts 100-179 and 10 CFR Part 71) 04/17/00 (00-006)
- 86740 Inspection of Transportation Activities 10/30/92 (92-011)
- 86750 Solid Radioactive Waste Management and Transportation of Radioactive Materials 03/15/94 (94-006)

8700 Materials Safety Inspection

- 87101 Performance Evaluation Factors 02/11/97 (97-002)
- 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 06/04/97 (97-007)
- 87110 Industrial/Academic/Research Programs 04/05/99 (99-005)
- 87110 AP A Industrial/Academic/Research Inspection Record 06/18/99 (99-009)
- 87110 Ap B Industrial/Academic/Research Inspection References 04/05/99 (99-005)
- 87111 Materials Processor/Manufacturer Programs 06/11/98 (98-008)
- 87111 Ap A Materials Processor/Manufacturer Inspection Record 06/18/99 (99-009)
- 87111 Ap B Materials Processor/Manufacturer Inspection References 06/11/98 (98-008)
- 87112 Irradiator Programs 06/11/98 (98-008)
- 87112 Ap A Irradiator Inspection Record 06/18/99 (99-009)
- 87112 Ap B Irradiator Inspection References 06/11/98 (98-008)
- 87113 Well Logging Programs 06/11/98 (98-008)
- 87113 Ap A Well Logging Inspection Record 06/18/99 (99-009)
- 87113 Ap B Well Logging Inspection References 06/18/98
- 87114 Fixed and Portable Gauge Programs 06/11/98 (98-008)

PART

PROCEDURE

87114 Ap A Fixed and Portable Gauge Inspection Record
06/18/99 (99-009)
87114 Ap B Fixed and Portable Gauge Inspection References
06/11/98 (98-008)
87115 Nuclear Medicine Programs 08/28/00 (00-013)
87116 Medical Teletherapy Programs 08/28/00 (00-013)
87117 Radiopharmacy Programs 05/07/98 (98-007)
87117 Ap A Radiopharmacy Inspection Record 06/18/99 (99-
009)
87117 Ap B Radiopharmacy Inspection References 05/07/98
(98-007)
87118 Brachytherapy Programs 08/28/00 (00-013)
87119 Medical Broad-Scope Programs 08/28/00 (00-013)
87120 Industrial Radiography Programs 05/03/99 (99-
008)
87120 A Industrial Radiography Inspection Record 06/18/99
(99-009)
87120 B Industrial Radiography Inspection References
05/03/99 (99-008)

87250 Locating Missing Materials Licensees 01/11/97
(97-002)
87654 Uranium Mill Site Decommissioning Inspection
09/02/97 (97-013)

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 05/23/84
(84-17) 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)

PART

PROCEDURE

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 06/04/97 (97-007)
88105 (96-026)	Management Organization and Controls 12/30/96
8900 <u>Fuel Facility and Materials Special Program</u>	
89001	In-Situ Leach (ISL) Facilities 09/02/97 (97-013)
9000 <u>Reportable Matters and Report Reviews</u>	
90501B 04/30/75	Reportable Matters - Startup Test Program (75-16)
90700	Feedback of Operational Experience Information at Operating Power Reactors 11/15/99 (99-018)
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 08/30/91 (91-011)
90714	Nonroutine Reporting Program 08/30/91 (91-011)
9100 <u>Title 10 Requirements</u>	
9200 <u>Planned Non-Routine Activities</u>	
92050 Construction	Review of Quality Assurance For Extended Delay 04/04/00 (00-005)
92700 Events	Onsite Followup of Written Reports of Nonroutine

PART

PROCEDURE

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 01/15/92
(92-001)
92709 Licensee Plans for Coping With Strikes 08/21/92
(92-010)
92711 Continued Implementation of Strike Plans During
an Extended Strike 08/21/92 (92-010)
92712 Resumption of Normal Operations After a Strike
08/21/92 (92-010)
92718 Inventory Differences Action Guidelines and
Followup 10/01/82 (82-09)
92720 Corrective Action 09/28/98 (98-014)
92901 Followup - Plant Operations 03/11/99 (99-004)
92902 Followup - Maintenance 03/11/99 (99-004)
92903 Followup - Engineering 03/11/99 (99-004)
92904 Followup - Plant Support 03/11/99 (99-004)

9300 Non-Routine Activities

93001 OSHA Interface Activities 05/22/89 (89-009)
93702 Prompt Onsite Response To Events At Operating
Power Reactors 08/30/91 (91-011)
93800 Augmented Inspection Team 04/03/00 (00-003)
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)

PART

TECHNICAL GUIDANCE

93811 Electrical Distribution System Functional
Inspection (EDSFI) 02/03/99 (99-002)
93812 Special Inspection 03/06/01 (01-006)

9400 Technical Activities of an Administrative Nature

9500 Strategic Determination Actions

95001 Inspection for One or Two White Inputs in a
Strategic Performance Area 03/06/01 (01-006)
95002 Inspection for One Degraded Cornerstone or Any
three White Inputs in a Strategic Performance Area 03/06/01
(01-006)
95003 Inspection for Repetitive Degraded Cornerstones,
Multiple Degraded Cornerstones, Multiple Yellow Inputs,
or One Red Input 04/03/00 (00-003)

9600 Reserved

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)

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

PART

TECHNICAL GUIDANCE

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 Section III American Society of Mechanical Engineers ASME
Boiler and Pressure Vessel Code, Section III 06/16/89
(89-011)

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

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)

PART

TECHNICAL GUIDANCE

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 Conditions	Resolution of Degraded and Nonconforming	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 4.0	Limiting Conditions for Operation and Surveillance Requirements	07/22/87 (87-26)
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 06/09/88	TDI Diesel Generator Air Roll Tests	(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 04/01/81	Surveillance of Snubber Piston Settings	(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	

PART

TECHNICAL GUIDANCE

Reservoirs 10/01/80 (80-24)

STS Sec 4.8.1.1.2 - 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 Licensee Review Responsibility
and 6.5.2.7d 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
Secured Surveillance Sections - Locked or Otherwise
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 04/20/99 (99-
023)

Assessing On-Line Leak Sealing of ASME Code Class 1 & 2
07/15/97 (97-011)

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

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

Mechanical

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

PART

10 CFR GUIDANCE

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

Operations

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

Notice of Enforcement Discretion 12/12/00 (00-027) [NOED.TG]

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

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

10 CFR GUIDANCE

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)

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)

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

10 CFR GUIDANCE

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
Testing
Appendix J, Containment Integrated Leak Rate
12/08/86 (86-54)

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

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

Interpretations

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

END

PART

10 CFR GUIDANCE