

# NRC INSPECTION MANUAL

IIPB

---

## TABLE OF CONTENTS

---

Table of Contents    Current through Change Notice 01-002, Issued 01/05/01

PART

CHAPTER

0000    NRC Inspection Manual<sup>1</sup>

0030       Policy and Guidance for Development of NRC Inspection  
Manual Programs 04/30/97 (97-005)

0040       Preparation, Issuing, and Revising of Documents for  
Inspection Manual 09/27/95 (95-013)

0045       Requests for Regional Review and Comment on Inspection  
Program 09/14/98 (98-013)

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)

0301       Coordination of NRC Visits to Commercial Reactor Sites  
09/30/94 (94-016)

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

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

0304       Plant Performance Review 09/26/96 (96-020)

---

<sup>1</sup>The 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**

0305	Operating Reactor Assessment Program 04/24/00 (00-009)	
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 03/16/00 (00-004)	
0400	<u>Enforcement Policy</u>	
0500	<u>Tracking Systems</u>	
0600	<u>Documentation of Program Findings</u>	
0609	Significance Determination Process 04/21/00 (00-007)	
0609.01	Enforcement Review Panel 04/21/00 (00-007)	
0609.02	Initial Assessment of Inspection Observations For SDP Entry 04/21/00 (00-007)	
0609.03	Process For Appealing NRC Characterization of Inspection Findings (SDP Appeal Process) 04/21/00 (00-007)	
0609.04	Senior Reactor Analyst Support Objectives 04/21/00 (00-007)	
0609 App A	Significance Determination of Reactor Inspection Findings For At-Power Situations 12/28/00 (00-029)	
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)	
0609 App E	Physical Protection Significance Determination Process 04/21/00 (00-007)	
0609 App F	Fire Protection Significance Determination Process 04/21/00 (00-007)	
0609 App G	Shutdown Operations Significance Determination Process 04/21/00 (00-007)	
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 10/06/00 (00-021)	
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)	

**PART**

**CHAPTER**

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

- 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)
- 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 12/02/96 (96-023)
- 1245 APP A Training Requirements For Inspector Classifications  
01/21/98 (98-001)
- Sec. I BWR Operations Inspector 09/14/99 (99-015)
- Sec. II Westinghouse PWR Operations Inspector 09/14/99 (99-015)

**PART**

**CHAPTER**

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 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)
1245 APP B	Inspector Training and Qualification Journal 01/21/98 (98-001)
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)
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)
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)
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 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 01/05/01 (01-002)

**PART**

**CHAPTER**

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 01/05/01 (01-002)
Sec. XV	High-Level Waste Repository License Technical Review 01/05/01 (01-002)
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 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)
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)

**PART**

**CHAPTER**

1400 Reserved

- 1405 IE Feedback to the Office of Standards Development  
05/01/78 (78-15)
- 1415 State Contracts for Environmental Monitoring 06/28/91  
(91-009)
- 1420 NRC TLD Direct Radiation Monitoring Network 10/01/83  
(83-12)
- 1430 Procedure for Access to Proprietary Data in [10 CFR  
2.790(a)(4) and (d)] IE Files by GAO Employees 03/06/78  
(78-07)

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

1900 Reserved

2000 Reserved

2100 Reserved

2200 Reserved

2300 Reserved

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)

**PART**

**CHAPTER**

**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 04/03/00 (00-003)
- 2515 APP. A Risk-Informed Baseline Inspection Program 09/12/00 (00-018)
- 2515 APP. B Supplemental Inspection Program 09/12/00 (00-018)
- 2515 APP. C Special and Infrequently Performed Inspections 09/12/00 (00-018)
- 2515 App. D Plant status 04/03/00 (00-003)
- 2515/133 Implementation of Revised 49 CFR Parts 100-179 and 10 CFR Part 71 [03/15/96 (96-005)]
- 2515/136 Operation of Dual Function Containment Isolation Valves 09/30/97 (97-016)
- 2515/137 Inspection of Medium-Voltage and 480 Volt Air Circuit Rev. 1 Breakers 03/09/98 (98-004)
- 2515/138 Evaluation of the Cumulative Effect of Operator Workarounds 05/04/98 (98-006)
- 2515/139 Inspection of Licensee's Implementation of Generic Letter 96-01, "Testing of Safety Related Logic Circuits" 07/23/98 (98-011)
- 2515/140 Periodic Verification of Design-Basis Capability of Safety-Related Motor-Operated Valves (GL96-05) 09/29/98 (98-015)
- 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 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 at Selected Decommissioning Reactors 11/30/99 (99-019)

**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)

**PART**

**CHAPTER**

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 01/16/96 (96-001)
2604	Licensee Performance Review 08/26/96 (96-018)
2605	Decommissioning Procedures For Fuel Cycle and Material Licensees 11/12/96 (96-022)
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 02/11/93 (93-002)
2630	Gaseous Diffusion Plant Operational Safety and Safeguards Inspection Program 12/30/96 (96-026)
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 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)



**PART**

**CHAPTER**

2700 Licensee Contractor and Vendor Inspection Program

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

2800 Materials Inspection Program

2800 Materials Inspection Program 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)  
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 07/07/86 (86-35)  
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 09/13/99 (99-014)  
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

PART

PROCEDURE

3400 Reserved

3500 Quality Assurance

- 35501 QA for the Startup Test Program 01/20/84 (84-04)
- 35701 Quality Assurance Program Review 04/14/92 (92-004)
- 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

#### 4700 Containment (Post-Tensioning)

PART

PROCEDURE

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)

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)

## PART

### PROCEDURE

- 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)

## 6100 Surveillance

- 61700 Surveillance Procedures and Records 09/13/83 (83-11) 61701
- Complex Surveillance 06/07/85 (85-21)
- 61702 Surveillance of Core Power Distribution Limits 10/01/80 (81-02)
- 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)

- 61725 Surveillance Testing and Calibration Control Program

PART

PROCEDURE

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)

6300 Construction Testing

6400 Fire Prevention/Protection

64100 Postfire Safe Shutdown, Emergency Lighting and Oil  
Collection Capability at Operating and Near-Term  
Operating, Reactor Facilities 03/16/87 (87-09)  
64150 Triennial Postfire Safe Shutdown Capability Reverification  
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

## PART

### PROCEDURE

- 69001 Class II Non-Power Reactors 04/09/97 (97-004)
- 69003 Class I Non-Power Reactor Operator Licenses, Requalification, 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)
- 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 09/22/00 (00-020)
- 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 04/03/00 (00-003)
- 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 04/03/00 (00-003)
- 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 04/03/00 (00-003)
- 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 04/03/00 (00-003)

## PART

### PROCEDURE

71114.01	Exercise Evaluation 04/03/00 (00-003)
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)
71114.05	Correction of emergency Preparedness Weaknesses and 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)
71121.03	Radiation Monitoring Instrumentation 04/03/00 (00-003)
71122	Public Radiation Safety 04/03/00 (00-003)
71122.01	Radioactive Gaseous and Liquid Effluent Treatment and 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)
71130.01	Access Authorization (AA) Program (Behavior Observation 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)
71150	Discrepant or Unreported Performance Indicator Data 09/12/00 (00-018)
71151	Performance Indicator Verification 04/03/00 (00-003)
71152	Identification and Resolution of Problems 04/03/00 (00-003)
71153	Event Followup 04/04/00 (00-005)
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

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



PART

PROCEDURE

	(84-04)
72400B	Overall Startup Test Program 07/01/80 (80-16)
72500B	Initial Fuel Loading Procedure 04/30/75 (75-16)
72502B	Initial Criticality Procedure Review (BWR) 04/30/75 (75-16)
72504B	Heatup Phase Procedure Review 04/30/75 (75-16)
72508B	Power Ascension Procedure Review: HPCI System 07/01/80 (80-16)
72509B	Power Ascension Procedure Review: Control Rod Drive System 07/01/80 (80-16)
72510B	Power Ascension Procedure Review - Relief Valves and MSIVs 04/30/75 (75-16)
72512B	Startup Test Procedure Review - RCIC or Recirculation Pump Trip 04/30/75 (75-16)
72514B	Startup Test Procedure Review - Turbine Trip/Generator Trip 07/01/80 (80-16)
72516B	Startup Test Procedure Review - Shutdown From Outside the Control Room (Group A) 07/01/80 (80-16)
72517B	Startup Test Procedure Review: Loss of Offsite Power (Group A & B) 07/01/80 (80-16)
72518B	Startup Test Procedure Review - Core Performance 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

PART

PROCEDURE

(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 Inservice Inspection

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

7400 Reserved

7500 Reserved

7600 Reserved

7700 Reserved

7800 Reserved

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

PART

PROCEDURE

- 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)
- 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)
- 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

PART

PROCEDURE

	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)		
81820	Physical Protection Facility Approval and Safeguarding of National Security Information (NSI) and Restricted Data (RD) 04/30/97 (97-005)	
81910	Alarm Stations 02/19/91 (91-003)	
81911	Assessment 02/19/91 (91-003)	
81912	Badge Control 02/19/91 (91-003)	
81913	Communications 02/19/91 (91-003)	
81914	Duress Alarms 02/19/91 (91-003)	
81915	EECP Machine Performance - Explosive Detectors 02/19/91 (91-003)	
81916	EECP Machine Performance - Metal Detectors 02/19/91 (91-003)	
81917	EECP Machine Performance - X-ray 02/19/91 (91-003)	
81918	Emergency Power Supply 02/19/91 (91-003)	
81919	Interior Alarms 02/19/91 (91-003)	
81920	Intrusion Detection System 02/19/91 (91-003)	
81921	Isolation Zone 02/19/91 (91-003)	
81922	Keys, Locks, and Combinations 02/19/91 (91-003)	
81923	Lighting 02/19/91 (91-003)	
81924	MAA Barriers 02/19/91 (91-003)	
81925	Personnel Searches 02/19/91 (91-003)	
81926	Preventative Maintenance 02/19/91 (91-003)	
81927	Protected Area Barriers 02/19/91 (91-003)	
81928	Protected Area Housekeeping 02/19/91 (91-003)	
81929	Strategic Special Nuclear Material Exit Searches 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)	

## PART

### PROCEDURE

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

03/31/93 (93-003)

82202 Protective Action Decision Making 03/31/93 (93-003)

82203 Notifications and Communications 03/31/93 (93-003)

82205 Shift Staffing and Augmentation 03/31/93 (93-003)

82206 Knowledge and Performance of Duties (Training)

03/31/93 (93-003)

82207 Dose Calculation and Assessment 03/31/93 (93-003)

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)

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  
04/17/00 (00-006)

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

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

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

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

83522 Radiation Protection, Plant Chemistry, Radwaste, and  
Environmental: Organization and Management Controls  
12/31/91 (91-021)

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)

## PART

### PROCEDURE

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)
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 Generator Requirements of 10 CFR 20 and 10 CFR 61

## PART

### PROCEDURE

03/07/94 (94-004)  
84900 Low-Level Radioactive Waste Storage 10/20/00 (00-022)

#### 8500 Material Control and Accountability

85102 Material Control and Accounting - Reactors 03/29/85  
(85-10)  
85200 MC&A for Licensees Possessing Less Than or Equal to  
One Effective Kilogram of SNM 04/10/85 (85-15)  
85203 Facility Organization and Management Controls  
01/17/86 (86-04)  
85205 Facility Operations and Internal Controls 04/10/85  
(85-15)  
85207 Measurement Systems 01/17/86 (86-04)  
85209 Measurement Control and Statistics 04/10/85 (85-15)  
85211 Physical Inventory 01/17/86 (86-04)  
85215 Records and Reports 01/17/86 (86-04)  
85301 MC&A for Imports and Exports 07/18/84 (84-22)  
85303 MC&A Management Structure and Personnel Training and  
Qualification 03/18/91 (91-005)  
85305 Item Monitoring 03/18/91 (91-005)  
85307 Process Monitoring 03/18/91 (91-005)  
85309 Measurement Systems and Control 03/18/91 (91-005)  
85311 Physical Inventory 03/18/91 (91-005)  
85313 Alarm Resolution 03/18/91 (91-005)  
85315 Accounting and Internal Control 03/18/91 (91-005)  
85401 Management Structure 07/22/99 (99-011)  
85402 Measurement Control 07/22/99 (99-011)  
85403 Measurement Control Program 07/22/99 (99-011)  
85404 Physical Inventory 10/23/96 (96-021)  
85405 Item Control Program 07/22/99 (99-011)  
85406 Resolution Program 10/23/96 (96-021)  
85407 Assessment Program 07/22/99 (99-011)  
85408 Recordkeeping 07/22/99 (99-011)  
85420 Inspection of IAEA Safeguards for Inspectors at Power  
Reactors 06/22/88 (88-07)  
85425 Implementation of US/IAEA Safeguards Agreement at Fuel  
Facilities 06/22/88 (88-07)  
85501 Inventory Program 07/22/99 (99-011)  
85502 Detection Program 07/22/99 (99-011)  
85503 Resolution Program 07/22/99 (99-011)

#### 8600 Spent Fuel and Other Radioactive Material Packaging and Shipping

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)

PART

PROCEDURE

- 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)
- 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)



PART

PROCEDURE

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)
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	Management Organization and Controls 12/30/96 (96-026)

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 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

PART

PROCEDURE

08/30/91 (91-011)  
90714 Nonroutine Reporting Program 08/30/91 (91-011)

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 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)

## PART

### PROCEDURE

- 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 04/03/00 (00-003)

### 9400 Technical Activities of an Administrative Nature

### 9500 Strategic Determination Actions

- 95001 Inspection for One or Two White Inputs in a Strategic Performance Area 04/03/00 (00-003)
- 95002 Inspection for One Degraded Cornerstone or Any three White Inputs in a Strategic Performance Area 04/03/00 (00-003)
- 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 Technical Guidance<sup>2</sup>

- 99000 Technical Guidance 05/12/86 (86-26)
- 99100 Health Physics Positions 10/30/92 (92-011)
- 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)

---

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

## PART

### PROCEDURE

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  
& XI Pressure Vessel Code, Section III & XI 11/12/96 (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)

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)

PART

PROCEDURE

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 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	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	- 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 6.5.2.7d	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)

## PART

### PROCEDURE

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 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)
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]
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]

### Guidance on 10 CFR

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)

PART

PROCEDURE

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	Changes to Facilities, Procedures and Tests (or Experiments) 01/01/84 (84-02)
50.59	Interim Guidance on the Requirements Related to Changes to Facilities, Procedures and Tests (or Experiment) 10/23/97 (97-018) [50_59R.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)

PART

PROCEDURE

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