

NRC INSPECTION MANUAL

IIPB

TABLE OF CONTENTS

Table of Contents Current through Change Notice 01-006, Issued 03/06/01

PART

CHAPTER

0000 NRC Inspection Manual¹

- 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)
- 0305 Operating Reactor Assessment Program 04/24/00 (00-009)

¹ under which the title was issue The date and numbers in parentheses to the right of the chapter/inspection procedure title are the issue date and the change notice number.

PART

CHAPTER

| | |
|---------------------|--|
| 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 03/06/01 (01-006) |
| 0400 | <u>Enforcement Policy</u> |
| 0500 | <u>Tracking Systems</u> |
| 0600 | <u>Documentation of Program Findings</u> |
| 0609 | Significance Determination Process 02/27/01 (01-005) |
| 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 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) |
| 0609 App E | Physical Protection Significance Determination Process 02/27/01 (01-005) |
| 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) |

PART

CHAPTER

| | |
|----------|--|
| 0630 | Analysis of the Impact of Noncompliance with Physical Security Requirements 10/01/82 (82-09) |
| 0700 | <u>Communications With Licensees</u> |
| 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 | <u>Feedback - Improving the Regulatory Process</u> |
| 0801 | Inspector Feedback 01/01/83 (83-01) |
| 0900 | <u>Reporting of Events/Incidents</u> |
| 0970 | Potentially Generic Questions Identified by Regional Offices 12/11/00 (00-024) |
| 1000 | <u>Regional Office Program Interfaces</u> |
| 1007 | Interfacing Activities Between Regional Offices of NRC and OSHA 09/14/98 (98-013) |
| 1010 | Independent Assessment and Analysis 01/20/87 (87-02) |
| 1100 | <u>Notifications of Meetings and Conferences</u> |
| 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 | <u>Inspector Requirements</u> |
| 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) |

PART

CHAPTER

| | |
|------------|--|
| 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) |
| 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 |

PART

CHAPTER

| | |
|------------|---|
| | 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) |
| 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
03/06/01 (01-006)
- 2515 APP. A Risk-Informed Baseline Inspection Program 09/12/00 (00-018)
- 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)
- 2515/138 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 03/06/01 (01-006)
- 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 04/03/00 (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 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 Shutdown Reactors 08/11/97 (97-012) |
| Permanently 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 OHSA 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

- 93810 06/23/97 (97-009)
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 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 Technical Guidance²

- 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)

Reg. Guide 1.58 - Qualifications of Nuclear Power Plant Inspection,

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

PART

PROCEDURE

| | |
|-----------------------|--|
| | 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 & XI | American Society of Mechanical Engineers ASME Boiler and 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) |
| STS Sec 3.0 | Resolution of Degraded and Nonconforming Conditions |

PART

PROCEDURE

| | |
|----------------------------------|---|
| | 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) |
| STS | Surveillance Sections - Locked or Otherwise Secured |

PART

PROCEDURE

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)

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

PART

PROCEDURE

| | |
|----------------|---|
| | (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) |
| 70.52 | Report of Accidental Criticality or Loss of Special Nuclear |

PART

PROCEDURE

Material 11/15/74 (74-010)

Interpretations

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

END