TABLE OF CONTENTS

<u>Table of Contents</u> Current through Change Notice 01-013 Issued 06/20/01 PART CHAPTER NRC Inspection Manual¹ 0000 Policy and Guidance for Development of NRC Inspection Manual Programs 04/30/97 (97-005) Preparation, Issuing, and Revising of Documents 0040 for Inspection Manual 09/27/95 (95-013) Requests for Regional Review and Comment on 0045 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) Monitoring Activities for the DOE West Valley Demonstration Project 12/10/85 (85-40) 0111 0200 <u>Program Management Reports</u> 0230 Morning Report 10/30/92 (92-011) 0300 Inspection Policy 0300 (94-010) 0301 Announced and Unannounced Inspections 03/24/94 Coordination of NRC Visits to Commercial Reactor Sites 09/30/94 (94 - 016)0302 (95-013) Inspection Program Évaluation Activities 09/27/95

Issue Date: 06/20/01 - 1 - TABLE OF CONTENTS

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

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

0400 <u>Enforcement Policy</u>

0500 <u>Tracking Systems</u>

0600 <u>Documentation of Program Findings</u>

0608 0609 005)	Performance Indicator Program 04/12/01 (01-012) Significance Determination Process 02/27/01 (01-
0609.01 0609.02 SDP Entry	Enforcement Review Panel 04/21/00 (00-007) Initial Assessment of Inspection Observations For
0609.03 Inspection	04/21/00 (00-007) Process For Appealing NRC Characterization of Findings (SDP Appeal Process) 04/21/00 (00-
007) 0609.04 (00-007)	Senior Reactor Analyst Support Objectives 04/21/00
0609 App Findings	A Significance Determination of Reactor Inspection For At-Power Situations 02/05/01 (01-003) B Emergency Preparedness Significance
Determination	
Determination	C Occupational Radiation Safety Significance Process 04/21/00 (00-007) D Public Radiation Safety Significance
Determination	Process 12/29/00 (00-030)

<u>PART</u>

CHAPTER

Proce		Physical Protection Significance Determination	
Proce	0609 App F	03/23/01 (01-009) Fire Protection Significance Determination	
		02/27/01 (01-005) F, Att 1, Application of Fire Protection Risk-	
3 · g · ·		Screening Methodology to Hypothetical Cases 02/27/01 (01-005) F, Att 2, Additional Guidance for the Assessment	
of Fi	indings	Using Significance Determination Process Entry	
Proce		02/27/01 (01-005) Shutdown Operations Significance Determination	
Proce	0609 App H	02/27/01 (01-005) Containment Integrity Significance Determination	
Proce	255	04/21/00 (00-007)	
Signi	0609 App I ificance	Operator Requalification - Human Performance	
005)	0610 0610*	Determination Process 12/29/00 (00-030) Inspection Reports 06/22/98 (98-009) Power Reactor Inspection Reports 02/27/01 (01-	
005)	0620	Inspection Documents and Records 07/08/96 (96-015)	
Physi	0630 ical	Analysis of the Impact of Noncompliance with	
Security Requirements 10/01/82 (82-09)			
0700	<u>Communicat</u>	ions With Licensees	
	0720 Communicat		
009)		Regarding Nuclear Reactor Issues 03/21/94 (94-	
Fuel	0730 Cycle	Generic Communications Regarding Materials and Issues 11/15/99 (99-018)	
Tuci	Cycrc	133463 11/13/33 (33 010)	
0800	<u>Feedback</u> -	Improving the Regulatory Process	
	0801	Inspector Feedback 01/01/83 (83-01)	
0900	Reporting	of Events/Incidents	
	0970	Potentially Generic Questions Identified	

Issue Date: 06/20/01 - 3 - TABLE OF CONTENTS

CHAPTER

by Regional Offices 12/11/00 (00-024)

1000 Regional Office Program Interfaces

Interfacing Activities Between Regional Offices 1007

of NRC and

OSHA 09/14/98 (98-013)

1010 (87 - 02)

Independent Assessment and Analysis 01/20/87

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

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

1220 Processing of NRC Form 241, "Report of Proposed

Activities

In Non-Agreement States," and Inspection of State Licensees Operating Under 10 CFR

Agreement 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)

Collection, Preparation, and Shipment of 1232

Independent

Measurement Samples 11/18/86 (86-52)

1240 Inspector Access at Power Reactors 09/18/81 (81-

23)

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

Reactor 011)

1245 APP A Training Requirements For Inspector

Classifications

04/09/01 (01-011)

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

Sec. II Westinghouse PWR Operations Inspector 09/14/99

(99 - 015)

Combustion Engineering PWR Operations Inspector Sec. III 09/14/99 (99-015)

Issue Date: 06/20/01

CHAPTER

```
Sec. IV
               Babcock & Wilcox PWR Operations Inspector 09/14/99
(99-015)
               Reactor Engineering Support Inspector 09/14/99
     Sec. V
(99-015)
               Reactor Health Physics Inspector 09/14/99 (99-015)
     Sec. VI
               Reactor Safeguards Inspector 09/14/99 (99-015)
     Sec. VII
     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)
                 Non-Power Reactor Inspector 09/14/99 (99-015)
     Sec. X
     Sec. XI
               Emergency Preparedness Inspector 09/14/99 (99-015)
               NRR Vendor Inspector 12/02/96 (96-023)
     Sec. XII
     Sec. XIII Reactor Decommissioning Inspector 09/14/99 (99-
015)
     Sec. XIV
               Technical Assistance Inspector 01/21/98 (99-015)
     Sec. XV
               Training Requirements for Senior Reactor Analyst
                 04/09/01 (01-011)
     1245 APP B
                 Inspector Training and Qualification Journal
                 04/09/01 (01-011)
               BWR Operations Inspector 09/14/99 (99-015)
     Sec. I
     Sec. II
               Westinghouse PWR Operations Inspector 09/14/99
(99-015)
     Sec. III
               Combustion Engineering PWR Operations Inspector
                 09/14/99 (99-015)
               Babcock & Wilcox PWR Operations Inspector 09/14/99
     Sec. IV
(99 - 015)
               Reactor Engineering Support Inspector 09/14/99
     Sec. V
(99-015)
               Reactor Health Physics Inspector 10/10/97 (97-017)
     Sec. VI
               Reactor Safeguards Inspector 10/10/97 (97-017)
     Sec. VII
     Sec. VIII Reactor Technical Specialist/Team Member 09/14/99
(99 - 015)
               Reactor Emergency Preparedness or Health Physics
     Sec. IX
                 Specialist/Team Member 10/10/97 (97-017)
               Non-Power Reactor Inspector 10/10/97 (97-017)
     Sec. X
     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)
               NRC Senior Reactor Analyst Qualification Journal
     Sec. XV
                 04/09/01 (01-011)
     1246
               Formal Qualification Programs in the Nuclear
Material Safety
                                 and Safeguards Program Area
03/27/98 (98-005)
     1246 APP A Training Activities 01/05/01 (01-002)
     Sec. I
               Materials License Reviewer 01/05/01 (01-002)
     Sec. II
               Materials Health Physics Inspector 01/05/01 (01-
002)
```

Sec. III Fuel Cycle Safety Inspector 01/05/01 (01-002)

Issue Date: 06/20/01 - 5 - TABLE OF CONTENTS

<u>PART</u>

<u>CHAPTER</u>

	Sec.	ΙV	Fuel Cycle Safeguards Inspector Physical Security 01/05/01 (01-002)
Mater	Sec. ial	V	NMSS Headquarters Fuel Cycle Safeguards Inspector
Stora	Sec.	VI	Control and Accounting 01/05/01 (01-002) NMSS Headquarters Transportation Packaging and Dry
30010	Sec.	VIII	System Safety Inspector 01/05/01 (01-002) Fuel Cycle License Reviewer 01/05/01 (01-002) Waste Management Inspectors and License Reviewers 01/05/01 (01-002)
	Sec. Sec. ewers		Decommissioning Inspectors 01/05/01 (01-002) Decommissioning Project Managers/Technical
	Sec.	ΧI	01/05/01 (01-002) Materials Exempt Distribution License Reviewer 01/05/01 (01-002)
Revie	Sec.	XIII	Uranium Recovery Inspector 01/05/01 (01-002) Uranium Recovery Project Manager/Technical
(01-0	Sec.	XIV	01/05/01 (01-002) High-Level Waste Repository Inspector 01/05/01
Revie	Sec.	ΧV	High-Level Waste Repository License Technical
	1246	APP E	01/05/01 (01-002) NRC Inspector, License Reviewer and Project Manager/Technical Reviewer Training and
Quali	ficat	cion	
002)	Sec. Sec.		Journal 01/05/01 (01-002) Materials License Reviewer 01/05/01 (01-002) Materials Health Physics Inspector 01/05/01 (01-
	Sec. Sec.		Fuel Cycle Safety Inspector 01/05/01 (01-002) Fuel Cycle Safeguards Inspector - Physical
Secur Mater	Sec.	V	01/05/01 (01-002) NMSS Headquarters Fuel cycle Safeguards Inspector
Stora	Sec.	VI	Control and Accounting (MC&A) 01/05/01 (01-002) NMSS Headquarters Transportation Packaging and Dry
30010	Sec.	VIII	System Safety Inspector 01/05/01 (01-002) Fuel cycle License Reviewer 01/05/01 (01-002) Waste Management Inspector and License Reviewer 01/05/01 (01-002)
	Sec. Sec.		Decommissioning Inspector 01/05/01 (01-002) Decommissioning Project Manager/Technical Reviewer
	Sec.	ΧI	01/05/01 (01-002) Materials Exempt Distribution License Reviewer 01/05/01 (01-002)
	Sec.	XII	Uranium Recovery Inspector 01/05/01 (01-002)

CHAPTER

Sec. XIII Uranium Recovery Project Manager/Technical Reviewer

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

01/05/01 (01-002)

1300 <u>Incident Response</u>

1301 Response to Non-Emergency Incidents Involving Radioactive Material 10/20/00 (00-022)

1302 Action Levels For Radiation Exposures and Associated With Materials Events Involving Contamination 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) Use of Physician and Scientific Consultants in the 1360 Consultant Program 01/27/99 (99-001) Medical

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

Issue Date: 06/20/01 - 7 - TABLE OF CONTENTS

CHAPTER

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 <u>High Level Waste</u>

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

2400 Low Level Waste Program

Near-Surface Low-Level Radioactive Waste Disposal Facility Inspection Program 02/28/97 (97-003) Conduct of Observation Audits 07/12/00 (00-012)

2500 Reactor Inspection Program

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)

Reactor Inspection Program - Operations Phase 03/06/01 (01-006)

 $2515\ \text{APP.}$ A Risk-Informed Baseline Inspection Program $03/06/01\ (01\text{-}006)$

2515 APP. B Supplemental Inspection Program 03/06/01 (01-006)

2515 APP. C Special and Infrequently Performed Inspections

03/06/01 (01-006) 2515 App. D Plant status 04/03/00 (00-003)

Issue Date: 06/20/01

<u>PART</u>

<u>CHAPTER</u>

2515/138 Workarounds	Evaluation of the Cumulative Effect of Operator
2515/139	05/04/98 (98-006) Inspection of Licensee's Implementation of Generic
Letter	96-01, "Testing of Safety Related Logic
Circuits" 2515/140 of Safety-	07/23/98 (98-011) Periodic Verification of Design-Basis Capability
09/29/98 (98-0	Related Motor-Operated Valves (GL96-05)
	Review of Year 2000 (Y2K) Readiness of Computer
Rev. 1	Nuclear Power Plants 08/02/99 (99-012 Draindown During Shutdown and Common-Mode Failure (NRC Generic Letter 98-02)) 06/18/99 (99-009)
2515/144 Reporting Proce	Performance Indicator Data Collecting and
2516 Inspection	Review 12/11/00 (00-024) Policy and Guidance For The License Renewal
2530	Program 01/08/01 (01-001) Integrated Design Inspection Program 04/24/85
(85-17) 2535	Design Verification Programs 03/24/89 (89-007)
2545 Operations 2561	Research and Test Reactor Inspection Program - Phase 06/13/85 (85-23) Decommissioning Power Reactor Inspection Program
2561/003 Activities	08/11/97 (97-012) Re-Examination of Year 2000 (Y2K) Program
(99-019)	at Selected Decommissioning Reactors 11/30/99

2600 Fuel Cycle Facility Inspection Program

2600	Fuel Cycle Facility Operational Safety and
Safeguards	Inspection Program 04/08/96 (96-007)
2600 App	A 04/08/96 (96-007)
2600/002	Fuel Cycle Inspections of Licensees in States
Which Have	
	Been Denied Access to Low-Level Waste Disposal
	Facilities 03/11/91 (91-004)
2600/003	Operational Safety Review 01/27/99 (99-001)

Issue Date: 06/20/01 - 9 - TABLE OF CONTENTS

CHAPTER

```
2600/004
               Headquarters Inspections of Critical Mass and
                       Fuel Cycle Licensees 01/27/99 (99-001)
Rare-Earth
     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)
               Team Assessments of Fuel Cycle and Materials
     2601
Licensees
                 05/04/90 (90-004)
     2602
               Decommissioning Inspection Program For Fuel Cycle
Facilities
                       and Materials Licensees 06/04/97 (97-007)
               Inspection of the Nuclear Chemical Process Safety
     2603
                       Fuel Cycle Facilities 01/16/96 (96-001)
Program at
     2603/001
               Chemical Safety Inspections of Fuel Cycle
Licensees
                 01/16/96 (96-001)
               Licensee Performance Review 08/26/96 (96-018)
     2604
     2605
               Decommissioning Procedures For Fuel Cycle and
                   Licensees 11/12/96 (96-022)
Material
               Inspection Program at Nuclear Fuel Services Plant
     2610
                 Erwin, Tennessee 01/09/86 (86-01)
               On-Site Construction Reviews of Remedial Action at
     2620
               Uranium Mill Tailing Sites 02/11/93 (93-002) Gaseous Diffusion Plant Operational Safety and
Inactive
     2630
Safequards
                       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)
                     08/20/86 (86-40)
     2681 Exh. 6
     2681/05
               Physical Security Inspection For Category I Fuel
                 Cycle Facilities 05/04/90 (90-004)
               Protected Area Housekeeping 07/10/90 (90-006)
     2681/06
     2682
               Technical Assistance for Safeguards MC&A
Inspections at
                                    06/18/84 (84-18)
                 Fuel Facilities
               MC&A Safeguards Inspection of Fuel Facilities
     2683
                 07/22/99 (99-011)
     2690
               Inspection Program For Dry Storage of Spent
                                 Independent Spent Fuel Storage
Reactor Fuel at
Installations
                 04/09/97 (97-004)
```

CHAPTER

2690 App A Inspection Program for an ISFSI Located at a Reactor Site

04/09/97 (97-004)

2690 App B Inspection Program for an ISFSI Located Away From Any Reactor Site 04/09/97 (97-004)

2700 <u>Licensee Contractor and Vendor Inspection Program</u>

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

2800 <u>Materials Inspection Program</u>

Ident	2800 2800/026 tified as 2800/029	Materials Inspection Program 12/01/00 (00-026) Followup Inspection of Formerly-Licensed Sites Potentially Contaminated 07/12/00 (00-012) Nuclear Medicine Programs 08/28/00 (00-013)
For l	Rev. 1 2800/030 Jse	Verification of the Status of Devices Authorized
Site	2800/031 2801 and 2805	Under a General License 05/30/00 (00-011) Extremity Exposure Monitoring 12/14/00 (00-031) Uranium Mill 11e.(2) Byproduct Material Disposal Facility Inspection Program 08/25/00 (00-014) Inspection at Temporary Job Sites for Licensees
Who		Operate in More Than One Region 02/09/87
(87/0)3) 2810	Master Materials License Inspection Program 02/28/00 (00-002)
Panor	2815 ^amic,	Construction and Preoperational Inspection of
(01-0	·	Wet-Source-Storage Gamma Irradiators 03/27/01
State	2882 e(s)	Transfer of NRC License Files to Agreement
	-	12/05/83 (83-15)

2900 <u>Performance Appraisal Program</u>

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 <u>Management Meetings</u>

30800B Initial Management Meeting - Materials Licensees 10/01/76 (76-26)

Issue Date: 06/20/01 - 11 - TABLE OF CONTENTS

PART PROCEDURE 3100 Reserved 3200 Reserved 3300 Reserved 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) Organization, Management, and Cost Controls at 36801 Shutdown Reactors 08/11/97 (97-012) Permanently 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) Onsite Engineering 06/24/98 (98-010) 37551 Design Changes, and Modifications 09/17/90 37700 (90-10)37701 Facility Modifications 12/08/86 (86-54) 37702 Design Changes and Modifications Program 12/04/87 (87 - 38)

37703

37801

Modifications at

37828

Safety Reviews, Design Changes, and

Tests and Experiments Program 04/14/92 (92-004)

Permanently Shutdown Reactors 08/11/97 (97-012)

Installation And Testing Of Modifications

PROCEDURE

08/29/88 (88-11)

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)

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-
	40002	Inspections to Review Allegations 08/26/96 (96-
018)	40500	Effectiveness of Licensee Process to Identify,
	ve, and 40501	Prevent Problems 05/03/99 (99-008) Licensee Self-Assessments Related to Team
Inspections		06/11/97 (97-008)
	40702 40703	Audit Program 04/14/92 (92-004) Offsite Support Staff 04/14/92 (92-004)
	40704 40745	Implementation, Audit Program 04/14/92 (92-004) Class I Non-Power Reactor Review and Audit and
Desig	ın Change	Functions 08/07/92 (92-009)
	40755 40801	Class III Non-Power Reactors 08/07/92 (92-009) Self-Assessment, Auditing, and Corrective Action
at		Permanently Shutdown Reactors 08/11/97 (97-012)

4100 <u>Training</u>

Training and Qualification Effectiveness 06/13/95 (95-007)

4200 Procedures

42001	Emergency Operating	Procedures	06/28/91	(91-009)
42700	Plant Procedures 1			

Issue Date: 06/20/01 - 13 - TABLE OF CONTENTS

PROCEDURE

42745 Class I Non-Power Reactor Procedures 08/07/92 (92-

009)

4300 <u>Vendor Procedures</u>

43001 Reactive Inspection of Nuclear Vendors 10/11/94

(94 - 018)

4400 Reserved

4500 <u>Geotechnical/Foundation</u>

4600 <u>Structural Concrete</u>

4700 <u>Containment (Post-Tensioning)</u>

4800 <u>Structural Steel and Supports</u>

4900 <u>Piping/</u>

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 <u>Instrumentation Systems and Components</u>

52001 Digital Retrofits Receiving Prior Approval

03/02/98 (98-003)

52002 Digital Retrofits Not Receiving Prior Approval

03/02/98 (98-003)

5300 <u>Containment Penetrations</u>

PROCEDURE

5400 <u>Cleanliness</u>

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 <u>Nondestructive Examination</u>, <u>Destructive Examination and Fabrication Testing</u>

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

57060	Liquid Penetrant Testing Examination 03/09/99
(99-003)	
57070	Magnetic Particle Testing Examination 03/09/99
(99-003)	· · ·
57080	Ultrasonic Testing Examination 03/09/99 (99-003)
57090	Nondestructive Examination Procedure
Radiographic	
5 - F	Evamination Procedure Paview/Work

Examination Procedure Review/Work Observation/Record

Review 06/14/93 (93-005)

5800 <u>Special Processes</u>

5900 Reserve Shutdown System

6000 Fuel Fabrication, Handling and Storage

60705	Preparation for Refueling 07/27/95 (95-009)
60710	Preparation for Refueling 07/27/95 (95-009) 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)	

Issue Date: 06/20/01 - 15 - TABLE OF CONTENTS

PART PROCEDURE ISFSI Component Fabrication By Outside 60852 Fabricators 07/12/00 (00-012) On-Site Fabrication of Components and 60853 ISFSI 09/07/00 (00-016) Construction of an Preoperational Testing of an ISFSI 05/09/96 60854 (96-011)Operation of an ISFSI 02/01/96 (96-003) 60855 Review of 10 CFR 72.212(b) Evaluations 11/30/99 60856 (99 - 019)Review of 10 CFR 72.48 Evaluations 03/09/01 (01-60857 007)6100 Surveillance Surveillance Procedures and Records 09/13/83 61700 (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) Core Thermal Power Evaluation 07/14/86 (86-36) 61706 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)Verification of Containment Integrity 12/23/86 61715 (86-60)61720 Containment Local Leak Rate Testing 10/03/85 (85 - 30)

Prog	61725	Surveillance Testing and Calibration Control
1109	1 4	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 <u>Maintenance</u>

PART PROCEDURE 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) Inspection of Steel and Concrete Containments at Power Plants 06/11/97 (97-008) 62003 Nuclear Maintenance Rule 12/13/00 (00-028) 62706 Configuration Risk Assessment and Risk 62709 Management Process 12/28/00 (00-029) Motor-Operated Valve Capability 09/12/00 (00-62708 018) 62801 Maintenance and Surveillance at Permanently Shutdown Reactors 08/11/97 (97-012)

6300 Construction Testing

6400 <u>Fire Prevention/Protection</u>

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

03/16/87 (87-09)
Fire Protection Program 06/24/98 (98-010)

6500 <u>Reserved</u>

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

6600 Reserved

6700 Reserved

6800 Reserved

6900 Non-Power Reactor Inspection

69001 Class II Non-Power Reactors 04/09/97 (97-004)

Issue Date: 06/20/01 - 17 - TABLE OF CONTENTS

PART PROCEDURE Class I Non-Power Reactor Operator Licenses, 69003 Requalification, and Medical Activities 04/09/97 (97-004)69004 Class I Non-Power Reactor Effluent and **Environmental** Monitoring 04//09/97 (97-004) Class I Non-Power Reactor Experiments 04/09/97 69005 (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) License Renewal Inspection 09/18/00 (00-019) 71002 Reactor Safety-Initiating Events, Mitigating 71111 Systems, Barrier Integrity 12/11/00 (00-024) Adverse Weather Protection 04/03/00 (00-003) 71111.01 Evaluation of changes, Tests, or Experiments $09/12/00 \ (00-018)$ 71111.02 Equipment Alignment 04/03/00 (00-003) Fire Protection 03/23/01 (01-009) 71111.04 71111.05 71111.06 Flood Protection Measures 04/03/00 (00-003) Heat Sink Performance 04/03/00 (00-003) 71111.07 Inservice Inspection Activities 04/03/00 (00-003 71111.08 71111.11 Licensed Operator Regualification 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) Operability Evaluations 04/03/00 (00-003) 71111.15 Operator Workarounds 04/03/00 (00-003) 71111.16 71111.17 Permanent Plant modifications 09/12/00 (00-018)

71111.19

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

<u>PART</u>

PROCEDURE

71111.20 71111.21	Refueling and Outage Activities 03/06/01 (01-006) Safety system Design and Performance Capability 04/03/00 (00-003)
71111.22 71111.23	Surveillance Testing 04/03/00 (00-003) Temporary Plant Modifications 04/03/00 (00-003)
71114 (01-012)	Reactor Safety-Emergency Preparedness 04/12/01
71114.01 71114.02 (00-003)	Exercise Evaluation 04/12/01 (01-012) Alert and Notification System Testing 04/03/00
71114.03 Testing	Emergency Response Organization Augmentation
71114.04	04/03/00 (00-003) Emergency Action Level and Emergency Plan Changes 04/03/00 (00-003)
71114.05 and	Correction of emergency Preparedness Weaknesses
71114.06 71121 71121.01	Deficiencies 04/03/00 (00-003) Drill Evaluation 04/03/00 (00-003) Occupational Radiation Safety 04/03/00 (00-003) Access Control to Radiologically Significant Areas
71121.02 71121.03 003)	04/03/00 (00-003) ALARA Planning and Controls 04/03/00 (00-003) Radiation Monitoring Instrumentation 04/03/00 (00-
71122 71122.01 and	Public Radiation Safety 04/03/00 (00-003) Radioactive Gaseous and Liquid Effluent Treatment
71122.02	Monitoring Systems 04/03/00 (00-003) Radioactive Material Processing and Transportation 04/03/00 (00-003)
71122.03 (REMP)	Radiological Environmental Monitoring Program
71130 71130.01 Observation	04/03/00 (00-003) Physical Protection 04/03/00 (00-003) Access Authorization (AA) Program (Behavior
71130.02 Vehicles	Only) 09/12/00 (00-018) Access Control (Search of Personnel, Packages, and
018)	Identification and Authorization 09/12/00 (00-
71130.03 Strategy and	Response to Contingency Events (Protective
(00-018)	Implementation of Protective Strategy) 09/12/00
71130.04 71150 Data	Security Plan Changes 09/12/00 (00-018) Discrepant or Unreported Performance Indicator
24 04	03/06/01 (01-006)

Issue Date: 06/20/01 - 19 - TABLE OF CONTENTS

PART PROCEDUR	
71151	Performance Indicator Verification 03/06/01 (01-
71152	Identification and Resolution of Problems
03/06/01 (01-0 71153 71500 71707 71711 71714 71715 04/14/92	Event Followup 03/06/01 (01-006) Balance of Plant Inspection 09/30/88 (88-14) Plant Operations 12/31/98 (98-020) Plant Startup from Refueling 11/12/86 (86-50) Cold Weather Preparations 12/26/91 (91-018) Sustained Control Room and Plant Observation
71750 71801 Permanently 71841 71846B	(92-004) Plant Support Activities 06/24/98 (98-010) Decommissioning Performance and Status Review at Shutdown Reactors 08/11/97 (97-012) Human Performance 12/12/00 (00-027) Review of Conduct of Operations 10/01/76 (76-24)
7200 <u>Startup T</u>	<u>esting</u>
72300 72301 04)	Startup Test Procedure Review 01/20/84 (84-04) Startup Test Results Evaluation 01/20/84 (84-
72302 01/20/84	Startup Test Witnessing and Observation
72400B 72500B 72502B 04/30/75	(84-04) Overall Startup Test Program 07/01/80 (80-16) Initial Fuel Loading Procedure 04/30/75 (75-16) Initial Criticality Procedure Review (BWR)
72504B 72508B 07/01/80	(75-16) Heatup Phase Procedure Review 04/30/75 (75-16) Power Ascension Procedure Review: HPCI System
72509B Drive	(80-16) Power Ascension Procedure Review: Control Rod
72510B 72512B Recirculation	System 07/01/80 (80-16) Power Ascension Procedure Review - Relief Valves and MSIVs 04/30/75 (75-16) Startup Test Procedure Review - RCIC or
72514B Trip/Generator	Pump Trip 04/30/75 (75-16) Startup Test Procedure Review - Turbine
72516B	Trip 07/01/80 (80-16) Startup Test Procedure Review - Shutdown From
Outside 72517B Power	the Control Room (Group A) 07/01/80 (80-16) Startup Test Procedure Review: Loss of Offsite

<u>PART</u>	PROCEDURE	<u> </u>
	72518B	(Group A & B) 07/01/80 (80-16) Startup Test Procedure Review - Core Performance 07/01/80 (80-16)
04)	72524	Initial Fuel Loading Witnessing 01/20/84 (84-
(84-(72526	BWR Initial Criticality Witnessing 01/20/84
(84-0	72532	Power Level Plateau Data Review (BWR) 01/20/84
Trip	72564B	Precritical Test Procedure Review - Protective
16)		Circuit or Rod Drop Measurement 07/01/80 (80-
or	72566B	Precritical Test Procedure Review - RES Lead Test
07/01	72570B 1/80	or Pressurizer Effectiveness 07/01/80 (80-16) Initial Criticality Procedure Review (PWR)
	72572B Temperatu	(80-16) Low Power Test Procedures Review Moderator re
	and	Coefficient and Boron Worth or Control Rod Worth
	72576B	Pseudo Rod Ejection Worth 07/01/80 (80-16) Power Ascension Test Procedure Review - Natural Circulation or Power Reactivity Coefficient
	Measureme	07/01/80 (80-16)
of	72578B	Power Ascension Test Procedure Review - Evaluation
Trip	72580B	Core Performance 07/01/80 (80-16) Power Ascension Test Procedure Review - Turbine
·	72582B Offsite	or Generator Trip 07/01/80 (80-16) Power Ascension Test Procedure Review - Loss of
from	72583B	Power (Group A) 07/01/80 (80-16) Power Ascension Test Procedure Review: Shutdown
	(80-16)	Outside the Control Room (Group B) 07/01/80
of	72584B	Power Ascension Test Procedure Review - Evaluation
	72592	Flux Asymmetry or Pseudo Rod Ejection Test 04/30/75 (75-16) PWR Initial Criticality Witnessing 01/20/84
(84-(72596B	Precritical Data Review 07/01/80 (80-16)
07/03	72600B 1/80	Power Level Plateau Data Review (25% PWR) (80-16)

Issue Date: 06/20/01 - 21 - TABLE OF CONTENTS

PART	_
PROCEDURE 72608B 07/01/80	Power Level Plateau Data Review (50% PWR)
72616B 07/01/80	(80-16) Power Level Plateau Data Review (75% PWR)
72624B 07/01/80	(80-16) Power Level Plateau Data Review (100% PWR)
72700 72701	(80-16) Startup Testing - Refueling 11/12/86 (86-50) Modification Testing 04/14/92 (92-004)
7300 <u>Inservice</u>	Inspection
73051 01/14/86	Inservice Inspection - Review of Program
73052 01/14/86	(86-03) Inservice Inspection - Review of Procedures
73753 73755	(86-03) Inservice Inspection 06/24/98 (98-010) Inservice Inspection - Data Review and
73756 (95-009)	01/14/86 (86-03) Inservice Testing of Pumps and Valves 07/27/95
7400 <u>Reserved</u>	
7500 <u>Reserved</u>	
7600 <u>Reserved</u>	
7700 <u>Reserved</u>	
7800 <u>High Leve</u>	<u>l Waste</u>
7900 <u>Water Cher</u>	<u>mistry</u>
79501 Analysis - Aud ⁻ 79502	Plant Systems Affecting Plant Water Chemistry
79701 Analysis - 79702	12/31/91 (91-021) LWR Water Chemistry Control and Chemical Program 12/31/91 (91-021) Control and monitoring of Radiological Source
Term	04/17/00 (00-006)

PROCEDURE

81110

(OSRE)

8000 Environmental Protection 80521 Radiological Environmental Monitoring (Preoperational and Supplemental) 01/01/84 (84-01) 80721 Radiological Environmental Monitoring 12/31/91 (91 - 021)8100 Physical Security 81001 Independent Spent Fuel Storage Installations 08/30/91 (91-011)Security Plan and Implementing Procedures 81018 05/09/84 (84 - 15)81020 Management Effectiveness - Security Program 05/09/84 (84 - 15)Security Organization 05/09/84 (84-15) Security Program Audit 05/09/84 (84-15) 81022 81034 81038 Records and Reports 05/09/84 (84-15) Testing and Maintenance 05/09/84 (84-15) 81042 81046 Locks, Keys, and Combinations 05/09/84 (84-15) Physical Barriers - Protected Areas 05/09/84 81052 81054 (84 - 15)Physical Barriers - Vital Areas, Material Access Areas, and Controlled Access Areas 05/09/84 (84-15) Security System Power Supply 05/09/84 (84-15) Lighting 05/09/84 (84-15) 81058 81062 81064 Compensatory Measures 05/09/84 (84-15) Assessment Aids 05/09/84 (84-15) 81066 Access Control - Personnel 05/09/84 (84-15) 81070 Access Control (Power Reactor) - Packages 81072 05/09/84 (84 - 15)Access Control (Fuel Facility) - Packages, 81073 Material. and SSNM 05/09/84 (84-15) 05/09/84 (84-15) 81074 Access Control - Vehicles 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) 05/09/84 (84-15) 81088 Communications

Issue Date: 06/20/01 - 23 - TABLE OF CONTENTS

09/08/00 (00-017)

Operational Safeguards Response Evaluation

<u>PART</u>	DD00EDUDE	
F., a 1	PROCEDURE 81310	Physical Protection of Shipments of Irradiated
Fuel Moder	81335	02/20/86 (86-09) Physical Protection of Shipments of SNM of
nodei	81340 Strategic	Strategic Significance (MSNM) 02/20/86 (86-09) Physical Protection of Shipments of SNM of Low
Formu	81360	Significance (LSNM) 02/20/86 (86-09) General Requirements for Physical Protection of
	Transit	Quantities of Special Nuclear Material in
Dnote	81365 ection	08/20/86 (86-40) Records, Reports, and Planning for Physical
FIOLE		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 81401	Transit 08/20/86 (86-40) Plans, Procedures, and Reviews 06/13/85 (85-23)
06/13	81402 81403	Reports of Safeguards Events 06/13/85 (85-23) Receipt of New Fuel at Reactor Facilities
00/13	81411	(85-23) Physical Protection for Reactors with Formula Quantities of Special Nuclear Material 11/04/85
	(85-34)	·
Nucle	81421 ear Material	Fixed Site Physical Protection of Special
	(85-23)	of Moderate Strategic Significance 06/13/85
Nucle	81431	Fixed Site Physical Protection of Special
Nucle		Material of Low Strategic Significance 11/04/85
Requi	(85-34) 81501 irements	Personnel Training and Qualification - General
Кечи	81502 81601 Review	05/09/84 (84-15) Fitness For Duty Program 05/31/91 (91-008) Safeguards Contingency Plan - Implementation
	81700	05/09/84 (84-15) Physical Security Program for Power Reactors 07/01/97 (97-010)
	81810 03) 81815 rity Informa	Protection of Safeguards Information 02/09/87 Authorizations for Access to National

<u>PART</u>	PROCEDURE	
005)	TROCEDORE	(NSI) and Restricted Data (RD) 04/30/97 (97-
005)	81820	Physical Protection Facility Approval and
Safe	guarding	of National Security Information (NSI) and
	Restricted	Data (RD) 04/30/97 (97-005)
	81910 81911 81912 81913 81914 81915	Alarm Stations 02/19/91 (91-003) Assessment 02/19/91 (91-003) Badge Control 02/19/91 (91-003) Communications 02/19/91 (91-003) Duress Alarms 02/19/91 (91-003) EECP Machine Performance - Explosive Detectors 02/19/91 (91-003)
	81916	EECP Machine Performance - Metal Detectors
003)	81917	02/19/91 (91-003) EECP Machine Performance - X-ray 02/19/91 (91-
	81918 81919 81920 81921 81922	Emergency Power Supply 02/19/91 (91-003) Interior Alarms 02/19/91 (91-003) Intrusion Detection System 02/19/91 (91-003) Isolation Zone 02/19/91 (91-003) Keys, Locks, and Combinations 02/19/91 (91-
003)	81923 81924 81925 81926 81927 81928 81929	Lighting 02/19/91 (91-003) MAA Barriers 02/19/91 (91-003) Personnel Searches 02/19/91 (91-003) Preventative Maintenance 02/19/91 (91-003) Protected Area Barriers 02/19/91 (91-003) Protected Area Housekeeping 02/19/91 (91-003) Strategic Special Nuclear Material Exit Searches 02/19/91 (91-003) Tactical Response Team Exercises 02/19/91 (91-
003)	81931 81932	Vehicle Barriers 02/19/91 (91-003) Vehicle Escorts 02/19/91 (91-003)
	81933 81934 81935	Vehicle Searches 03/18/91 (91-005) Warehouse Searches 03/18/91 (91-005) Weapons Qualification 02/19/91 (91-003)
8200	<u>Emergency P</u>	<u>lanning</u>
(00-	82001 010) 82201	Evaluation of Emergency Preparedness 05/22/00 Emergency Detection and Classification 03/31/93 (93-003)
0021	82202	Protective Action Decision Making 03/31/93 (93-
003)	82203	Notifications and Communications 03/31/93 (93-

<u>PART</u>	DDOOEDUDE	
003)	PROCEDURE 82205	Shift Staffing and Augmentation 03/31/93 (93-
003)	82206	Knowledge and Performance of Duties (Training)
003)	82207	03/31/93 (93-003) Dose Calculation and Assessment 03/31/93 (93-
003)	82301	Evaluation of Exercises for Power Reactors 12/31/96 (96-024)
Powei	82302	Review of Exercise Objectives and Scenarios for
	82701	Reactors 06/24/98 (98-010) Operational Status of the Emergency Preparedness
000)	82745	Program 12/31/96 (96-024) Research Reactor Emergency Plan 08/07/92 (92-
009)		
8300	Radiation	<u>Protection</u>
	83100	Occupational Exposure During SAFSTOR and DECON 12/30/91 (91-022)
	83501	Significant Uncontrolled Radiation Exposures 04/17/00 (00-006)
Monit	83502.01 toring	Radioactive Gaseous and Liquid Treatment and 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 83522	Radiation Protection - Startup 01/01/84 (84-01) 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)
_	83524	01/01/84 (84-01) External Occupational Exposure Control and
Perso		Dosimetry (Preoperational and Supplemental)
	01/01/84	(84-01)
(Pred	83525 operationa	
		and Supplemental) 01/01/84 (84-01)
Conta (Pred 01)	83526 amination, operationa	Control of Radioactive Materials and Surveys, and Monitoring and Supplemental) 01/01/84 (84-

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 Tb1 I 07/11/85 (85-24)
8400 <u>Radioactive Waste Management</u>
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)

Issue Date: 06/20/01 - 27 - TABLE OF CONTENTS

<u>PART</u>		
Sunn	PROCEDURE 84524 lemental)	Gaseous Waste System (Preoperational and
for	84525	01/01/84 (84-01) Quality Assurance and Confirmation Measurements
101	10)	In-Plant Radiochemical Analysis 05/23/85 (85-
fon	19) 84722 84723 84724 84725	Solid Wastes 12/31/91 (91-021) Liquids and Liquid Wastes 12/31/91 (91-021) Gaseous Waste System 12/31/91 (91-021) Quality Assurance and Confirmatory Measurements
for	021)	In-Plant Radiochemical Analysis 12/31/91 (91-
84750 Environment 84850		Radioactive Waste Treatment, and Effluent and al Monitoring 03/15/94 (94-006) Radioactive Waste Management - Inspection of
Waste	61	Generator Requirements of 10 CFR 20 and 10 CFR
	84900	03/07/94 (94-004) Low-Level Radioactive Waste Storage 10/20/00
(00-()22)	
8500	<u>Material Co</u>	ntrol and Accountability
8500	85102	ntrol and Accountability Material Control and Accounting - Reactors
8500	85102 03/29/85 85200	.
8500	85102 03/29/85	Material Control and Accounting - Reactors (85-10) MC&A for Licensees Possessing Less Than or Equal One Effective Kilogram of SNM 04/10/85 (85-15) Facility Organization and Management Controls
	85102 03/29/85 85200 to 85203 85205	Material Control and Accounting - Reactors (85-10) MC&A for Licensees Possessing Less Than or Equal One Effective Kilogram of SNM 04/10/85 (85-15)
04/10	85102 03/29/85 85200 to 85203 85205 0/85 85207 85209	Material Control and Accounting - Reactors (85-10) MC&A for Licensees Possessing Less Than or Equal One Effective Kilogram of SNM 04/10/85 (85-15) Facility Organization and Management Controls 01/17/86 (86-04)
04/10	85102 03/29/85 85200 to 85203 85205 0/85	Material Control and Accounting - Reactors (85-10) MC&A for Licensees Possessing Less Than or Equal One Effective Kilogram of SNM 04/10/85 (85-15) Facility Organization and Management Controls 01/17/86 (86-04) Facility Operations and Internal Controls (85-15) Measurement Systems 01/17/86 (86-04)
	85102 03/29/85 85200 to 85203 85205 0/85 85207 85209 (85-15) 85211 85215 85301	Material Control and Accounting - Reactors (85-10) MC&A for Licensees Possessing Less Than or Equal One Effective Kilogram of SNM 04/10/85 (85-15) Facility Organization and Management Controls 01/17/86 (86-04) Facility Operations and Internal Controls (85-15) Measurement Systems 01/17/86 (86-04) Measurement Control and Statistics 04/10/85 Physical Inventory 01/17/86 (86-04) Records and Reports 01/17/86 (86-04) MC&A for Imports and Exports 07/18/84 (84-22)

PART PROCEDURE	<u>=</u>
85315	= Accounting and Internal Control 03/18/91 (91-
005) 85401 85402 85403 85404 85405 85406 85407 85408 85420 Power	Management Structure 07/22/99 (99-011) Measurement Control 07/22/99 (99-011) Measurement Control Program 07/22/99 (99-011) Physical Inventory 10/23/96 (96-021) Item Control Program 07/22/99 (99-011) Resolution Program 10/23/96 (96-021) Assessment Program 07/22/99 (99-011) Recordkeeping 07/22/99 (99-011) Inspection of IAEA Safeguards for Inspectors at
85425	Reactors 06/22/88 (88-07) Implementation of US/IAEA Safeguards Agreement
85501 85502 85503	Facilities 06/22/88 (88-07) Inventory Program 07/22/99 (99-011) Detection Program 07/22/99 (99-011) Resolution Program 07/22/99 (99-011)
8600 Spent Fuel and	Other Radioactive Material Packaging and Shipping
86001 86700	Design, Fabrication, Testing, and Maintenance of Transportation Packagings 10/23/96 (96-021) Spent Fuel Pool Activities 06/07/85 (85-21)
86702B 86721 86730 Parts 100- 86740 10/30/92 86750 Transportation	Spent Fuel Pool Activities 01/01/79 (78-48) Transportation (Basic) 01/01/84 (84-01) Transportation of Radioactive Materials (49 CFR 179 and 10 CFR Part 71) 04/17/00 (00-006) Inspection of Transportation Activities (92-011) Solid Radioactive Waste Management and of Radioactive Materials 03/15/94 (94-006)
8700 <u>Materials</u>	Safety Inspection
87101 87102 As Low As Is	Performance Evaluation Factors 02/11/97 (97-002) Maintaining Effluents From Materials Facilities Reasonably Achievable (ALRA) 04/04/00 (00-
005) 87103 Incident or 87104	Inspection of Material Licensees Involved in an Bankruptcy Filing 11/03/00 (00-023) Decommissioning Inspection Procedure for
Materials Lice	nsees 06/04/97 (97-007) Industrial/Academic/Research Programs 04/05/99
(99-005) 87110 AP	A Industrial/Academic/Research Inspection Record

Issue Date: 06/20/01 - 29 - TABLE OF CONTENTS

<u>PART</u>	PROCE	DUR	<u>RE</u>	
Refer	87110 ences	Ар	В	06/18/99 (99-009) Industrial/Academic/Research Inspection
	87111 L/98 (9			04/05/99 (99-005) Materials Processor/Manufacturer Programs
Recor	87111			Materials Processor/Manufacturer Inspection
Refer	87111 ences	Ар	В	06/18/99 (99-009) Materials Processor/Manufacturer Inspection
008)		Ap Ap	A B	06/11/98 (98-008) Irradiator Programs 06/11/98 (98-008) Irradiator Inspection Record 06/18/99 (99-009) Irradiator Inspection References 06/11/98 (98-
	87113 87113 87113 87114	Ap Ap	A B	Well Logging Programs 06/11/98 (98-008) Well Logging Inspection Record 06/18/99 (99-009) Well Logging Inspection References 06/18/98 Fixed and Portable Gauge Programs 06/11/98 (98-
008) 06/18 06/11	3/99 (9 87114	99'-(009	Fixed and Portable Gauge Inspection Record) Fixed and Portable Gauge Inspection References
009)	87115 87116 87117 87117			(98-008) Nuclear Medicine Programs 08/28/00 (00-013) Medical Teletherapy Programs 08/28/00 (00-013) Radiopharmacy Programs 05/07/98 (98-007) Radiopharmacy Inspection Record 06/18/99 (99-
(98-(87117)07)	Ар	В	Radiopharmacy Inspection References 05/07/98
	87118 87119 87120			Brachytherapy Programs 08/28/00 (00-013) Medical Broad-Scope Programs 08/28/00 (00-013) Industrial Radiography Programs 05/03/99 (99-
008)	87120	Α	Ι	ndustrial Radiography Inspection Record 06/18/99
(99-(87120	В	Ι	ndustrial Radiography Inspection References 05/03/99 (99-008)
(97-0				Locating Missing Materials Licensees 01/11/97
	87654			Uranium Mill Site Decommissioning Inspection 09/02/97 (97-013)

8800 Fuel Facility Inspection

88001 On-Site Construction 04/15/94 (94-011)

PART PROCEDURE 88002 Operational Event Review and Feedback Programs Facilities 12/20/96 (96-025) at Fuel Cycle 88003 Reactive Inspection For Events At Fuel Cycle Facilities 08/10/98 (98-012) 88005 Management Organization and Controls 05/23/84 Operator Training/Retraining 05/23/84 (84-17) 88010 (84 - 17)88015 Headquarters Nuclear Criticality Safety Program 12/20/96 (96-025) Regional Criticality Safety Inspection Program 88020 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) Fire Protection 01/14/91 (91-001) 88055 Process Safety Information 01/16/96 (96-001) 88056 88057 Hazard Identification Information 01/16/96 (96-001) Standard Operating Procedures 01/16/96 (96-001) 88058 Site-Wide Safety Procedures 01/16/96 (96-001) 88059 88060 Detection and Monitoring 01/16/96 (96-001) 88061 Chemical Safety Training 01/16/96 (96-001) Maintenance and Inspection 01/16/96 (96-001) 88062 Management of Change 01/16/96 (96-001) 88063 88064 Emergency Response Procedures 01/16/96 (96-001) 88065 Incident Investigation 01/16/96 (96-001) Audits and Inspection 01/16/96 (96-001) 88066 88100 Plant Operations 12/30/96 (96-026) Configuration Control 12/30/96 (96-026) 88101 88102 Surveillance Observations 12/30/96 (96-026) 88103 Maintenance Observations 12/30/96 (96-026)88104 Decommissioning Inspection Procedure For Fuel Cycle 06/04/97 (97-007) Facilities Management Organization and Controls 12/30/96 88105 (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)

Issue Date: 06/20/01 - 31 - TABLE OF CONTENTS

<u>PART</u>		
at	PROCEDURE 90700	Feedback of Operational Experience Information
al	90712	Operating Power Reactors 11/15/99 (99-018) Inoffice Review of Written Reports of Nonroutine Events
	90713	at Power Reactor Facilities 12/31/98 (98-020) In Office Review of Periodic and Special Reports 08/30/91 (91-011)
	90714	Nonroutine Reporting Program 08/30/91 (91-011)

9100 <u>Title 10 Requirements</u>

9200 <u>Planned Non-Routine Activities</u>

92050 Construction	Review of Quality Assurance For Extended
92700 Events	Delay $04/04/00$ (00-005) Onsite Followup of Written Reports of Nonroutine
92701 92702	at Power Reactor Facilities 12/31/98 (98-020) Followup 03/14/94 (94-005) Followup on Corrective Actions for Violations
and Deviations 92703	03/14/94 (94-005) Followup of Confirmatory Action Letters 01/15/92
(92-001) 92709 (92-010)	Licensee Plans for Coping With Strikes 08/21/92
92711 an Extended	Continued Implementation of Strike Plans During
92712	Strike 08/21/92 (92-010) Resumption of Normal Operations After a Strike 08/21/92 (92-010)
92718 Followup	Inventory Differences Action Guidelines and
92720 92901 92902 92903 92904	10/01/82 (82-09) Corrective Action 09/28/98 (98-014) Followup - Plant Operations 03/11/99 (99-004) Followup - Maintenance 03/11/99 (99-004) Followup - Engineering 03/11/99 (99-004) 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	

PART PROCEDURE	
	(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 Inspection 93805	Risk-Based Operational Safety and Performance 01/15/92 (92-001) Maintenance Program 08/06/93 (93-070)
93806	Operational Readiness Assessment Team
Inspections	09/29/98 (98-015)
93807 Inspection	Systems Based Instrumentation and Control
93809	01/29/93 (93-001) Safety System Engineering Inspection (SSEI) 06/23/97 (97-009) Service Water System Operational Performance
Inspection	
93811 Inspection (EDSF	(SWSOPI) 09/14/98 (98-013) Electrical Distribution System Functional I) 02/03/99 (99-002)
93812	Special Inspection 03/06/01 (01-006)

9400 <u>Technical Activities of an Administrative Nature</u>

9500 <u>Strategic Determination Actions</u>

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

9600 Reserved

9700 Reserved

9800 Reserved

Issue Date: 06/20/01 - 33 - TABLE OF CONTENTS

TECHNICAL GUIDANCE

9900 <u>Guidance</u>²

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

Technical Guidance

Reg. Guide 1.16, Para. C.2.a(2) and C.2.b(2) - Reporting Requirements - Degraded Mode 04/01/79 (79-05)

Reg. Guide 1.16, Para. C.2.a(3) - Reporting Requirements - Abnormal Degradation 04/01/78 (78-11)

Reg. Guide 1.16, Para. C.2.a(4) - Reporting Requirements - Reactivity

Anomalies 07/01/78 (78-24)

Reg. Guide 1.33 - "Procedure Implementation" as used in Section 6.8.1 of Standard Technical Specifications 04/01/77 (77-05)

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

Examination and Testing Personnel 04/01/77 (77-05)

ASME Secton 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)

TABLE OF CONTENTS

- 34 - Issue Date: 06/20/01

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

PART		
TECHNICAL IEEE IEEE	Institute of Electrical and Electronic Engineers 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 Construction T Operations Pha	se	
	(Maintenance and Modifications) 04/01/77 (77-05)	
ANSI Facility 1/01/	ANSI N45.2.9, Section 5.5 - Records Storage 82 (81-28)	
ANSI Records Storag	ANSI N45.2.9, Section 5.6 - NRC Criteria for	
Necords 500rdg	Facilities 07/01/80 (80-17)	
ANSI 09/17/90	ANSI/ASME NQA-1-1989, Supplement 17S-1, Section 5	
03/1//30	(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 Conditions	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)	

Issue Date: 06/20/01 - 35 - TABLE OF CONTENTS

TECHNICAL GUIDANCE

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 Licensee Review Responsibility and 6.5.2.7d for Proposed Changes to Facility Technical Specifications 01/01/82 (81-28)
- STS Sec 6.5.2.8 Requirements for Off-Site Committee Audit Functions 10/01/78 (78-35)
- STS Sec 6.9.1.7 Reporting Requirements Reportable Occurrences 04/01/78 (78-11)
- STS Surveillance Sections Locked or Otherwise Secured Components 10/01/77 (77-25)
- STS Interp Licensee Technical Specification Interpretations 02/03/97 (97-001)

Issue Date: 06/20/01

10 CFR GUIDANCE

<u>Maintenance</u>

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)

<u>Operations</u>

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]

10 CFR GUIDANCE

CFR Discussions Containment Integrated Leak Rate Testing 12/08/86 (86-54)

Title 10 of the Code of Federal Regulations 12/08/86 (86-54)

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

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

Issue Date: 06/20/01 - 37 - TABLE OF CONTENTS

10 CFR GUIDANCE

- 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 Interim Guidance on the Requirements Related to Changes to Experiment)

 03/13/01 (01-008) [50 59.CFR]
- 50.109 Backfitting 01/01/82 (81-28)
- Part 50, App A Definition of Leak-Before-Break Analysis 09/26/96 (96-020)
- Part 50, App B Responsibility Review and Approval of Licensee QA
 Plans for Operation, 10/01/80 (80-24)
- Part 50, App B Applicability of Appendix B to Chemicals and Reagents, $04/01/77 \ (77-05)$
- Part 50, App B Criterion II Maintenance of Proficiency for Personnel

 Performing Activities Affecting Quality 07/01/81

 (81-19)
- Part 50, App B Criterion VII Guidance Use of Certificate of Conformance 04/01/80 (80-08)
- Part 50, App B Criterion VII Guidance Procurement of Spare and Replacement Parts, 01/01/82 (81-28)
- Part 50, App B Criterion VII Control of Purchased Materials, Equipment and Services 06/02/71 (71-16)
- Part 50, App B Criterion X & XVII Inspection Documentation Guidance $01/14/88 \ (88-01)$

Issue Date: 06/20/01

10 CFR GUIDANCE

Part 50 Appendix J, Containment Integrated Leak Rate

Testing

12/08/86 (86-54)

70.51 Material Balance, Inventory, and Records

Requirements

12/19/74 (74-11)

70.52 Report of Accidental Criticality or Loss of

Special Nuclear

Material 11/15/74 (74-010)

<u>Interpretations</u>

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

END