TABLE OF CONTENTS

Table of Contents Current through Change Notice 04-004 Issued 02/03/04

PART	CHAPTER		
0000	NRC Inspection Manual ¹		
	0030	Policy and Guidance for Development of NRC Inspection	
	0040	Policy and Guidance for Development of NRC Inspection Manual Programs 04/30/97 (97-005) Preparing, Revising, and Issuing Documents for the NRC Inspection Manual 02/02/04 (04-003)	
0100	Program Res	sponsibilities .	
	0102	Oversight and Objectivity of Inspectors and Examiners	
	0111	Oversight and Objectivity of Inspectors and Examiners at Reactor Facilities 03/06/02 (02-008) Monitoring Activities for the DOE West Valley Demonstration Project 03/04/02 (02-006)	
0200	00 Program Management Reports		
	0230	Morning Report 11/18/02 (02-043)	
0300	Inspection P	olicy	
	0300 0301	Announced and Unannounced Inspections 03/24/94 (94-010) Coordination of NRC Visits to Commercial Reactor Sites	
	0303	08/24/01 (01-016) Item Reporting 11/30/99 (99-019)	
	0305 0306	Operating Reactor Assessment Program 01/29/04 (04-002) Information Technology Support For The Reactor Oversight	
	0307	Process 06/24/03 (03-021) Reactor Oversight Process Self-Assessment Program	
	0308	01/14/04 (04-001) Reactor Oversight Process Basis Document 02/21/03 (03-006)	
	0309	Reactive Inspection Decision Basis For Reactors 11/05/03 (03-036)	
	0312	Technical Assistance for Radiation Safety Inspections at Nuclear Fuel Cycle Facilities and Materials Licensees' Sites 06/06/02 (02-023)	

Issue Date: 02/03/04 - 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.

CHAPTER

	0330	Guidance for NRC Review of Licensee Draft Documents 07/08/96 (96-015)
	0350	Oversight of Operating Reactor Facilities in a Shutdown Condition With Performance Problems 12/31/03 (03-042)
		With Fenomiance Froblems 12/31/03 (03-042)
0400	Enforcement	Policy
0500	Tracking Sys	<u>tems</u>
0600	<u>Documentati</u>	on of Program Findings
	0608 0609 0609.01 0609.02	Performance Indicator Program 04/16/02 (02-017) Significance Determination Process 03/21/03 (03-010) Enforcement Review Panel 06/20/03 (03-021) Process For Appealing NRC Characterization of Inspection
	0609.03 0609 App A	Findings (SDP Appeal Process) 04/30/02 (02-022) Senior Reactor Analyst Support Objectives 08/16/01 (01-015) Significance Determination of Reactor Inspection Findings For At-Power Situations 03/18/02 (02-009)
	0609 App B	Emergency Preparedness Significance Determination Process 03/06/03 (03-007)
	0609 App C	Occupational Radiation Safety Significance Determination Process 12/16/03 (03-041)
	0609 App D	Public Radiation Safety Significance Determination Process 07/24/03 (03-025)
	0609 App E	Interim Physical Protection - Significance Determination Process 08/14/01 (01-014)
	0609 App F	Fire Protection Significance Determination Process 02/27/01 (01-005)
	0609, App F,	Att 1, Application of Fire Protection Risk-Significant
	0609, App F,	Screening Methodology to Hypothetical Cases 02/27/01 (01-005) 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 03/27/02 (02-011)
	0612, Exh 2	Inspection Reports 06/22/98 (98-009) Power Reactor Inspection Reports 01/14/04 (04-001) Standard Reactor Inspection Report Outline 06/20/03 (03-021) Inspection Report Documentation Matrix 06/20/03 (03-021) Sample Reactor Inspection Report 06/20/03 (03-021)
	0612, Exh 4	Sample Cover Letters 06/20/03 (03-021) List of Acronyms Used in IMC 0612 06/20/03 (03-021)

Issue Date: 02/03/04

CHAPTER

0612, App B Issue Screening 06/20/03 (03-021) 0612, App C Documentation Guidance For Supplemental Inspections 06/20/03 (03-021) 0612, App D Guidance for Documenting Inspection Procedure 71152, "Identification and Resolution of Problems" 06/20/03 (03-021) 0612, App E Examples of Minor Issues 06/20/03 (03-021) Inspection Documents and Records 0620 07/08/96 (96-015) 0630 Analysis of the Impact of Noncompliance with Physical Security Requirements 10/01/82 (82-09) 0700 Communications With Licensees 0730 Generic Communications Regarding Materials and Fuel Cycle Issues 10/22/02 (02-040) 0800 Feedback - Improving the Regulatory Process 0801 Reactor Oversight Process Feedback Program 03/05/02 (02-007) 0900 Reporting of Events/Incidents 0970 Potentially Generic Questions Identified by Regional Offices 12/11/00 (00-024) 1000 Regional Office Program Interfaces 1007 Interfacing Activities Between Regional Offices of NRC and OSHA 02/07/02 (02-004) 1100 Notifications of Meetings and Conferences 1120 Preliminary Notifications 12/16/03 (03-041) 1200 Inspector Requirements 1201 Conduct of Employees 06/29/99 (99-010) Senior Resident Inspector Site Turnover 01/17/02 (02-001) Processing of NRC Form 241, "Report of Proposed Activities 1202 1220 In Non-Agreement States," Areas of Exclusive Federal Jurisdiction and Offshore Waters, and Inspection of Agreement State Licensees Operating Under 10 CFR 150.20 05/01/03 (03-013)

CHAPTER

1220, APP I	Procedures and Guidelines For Processing NRC Form 241 05/01/03 (03-013)
1220, APP II	Procedures Letter to be Sent to Licensees With Procedures and Information for Filing NRC Form 241 05/01/03 (03-013)
0220 App II	I Inspection of Agreement State Licensees 05/01/03 (03-013)
1230	Quality Assurance Program for Radiological Confirmatory
	Measurements 10/01/83 (83-12)
1232	Collection, Preparation, and Shipment of Independent
	Measurement Samples 11/18/86 (86-52)
1240	
	Inspector Access at Power Reactors 09/18/81 (81-23)
1245	Qualification Program For the Office of Nuclear Reactor
	Regulation Programs 05/01/03 (03-014)
1245 Att 1	General Overview of the Inspector Training and Qualification Program 05/01/03 (03-014)
1245 Att 2	Inspector Competencies 04/05/02 (02-014)
1245 Att3	General Orientation Topics 04/05/02 (02-014)
	Basic-Level Training and Qualification Journal 05/01/03 (03-014)
1245 APP B	General Proficiency-Level Training and Qualification Journal 05/01/03 (03-014)
1245 C1	Reactor Operations Inspector Technical Proficiency Qualification
1243 01	Leading Operations inspection reclinical rionciency Qualification
4045.00	Journal 05/01/03 (03-014)
1245 C2	Reactor Engineering Inspection Technical Proficiency Qualification
	Journal 05/01/03 (03-014)
1245 C3	Reactor Health Physics Inspector Technical Proficiency
12 10 00	Qualification Journal 05/01/03 (03-014)
4045.04	Qualification 304011/03 (03-014)
1245 C4	Reactor Safeguards Inspector Technical Proficiency Qualification Journal 04/05/02 (02-014)
1245 C5	Research and Test Reactor Inspector Technical Proficiency
	Qualification Journal 04/05/02 (02-014)
104E CC	
1245 C6	Emergency Preparedness Inspector Technical Proficiency
	Qualification Journal 05/01/03 (03-014)
1245 C8	Vender Inspector Technical Proficiency Qualification Journal
	05-28/03 (03-017)
1245 CO	Construction Inspector Technical Proficionay Qualification Journal
1245 C9	Construction Inspector Technical Proficiency Qualification Journal
	05/01/03 (03-014)
1245 C10	Operator Licensing Examiner Technical Proficiency Qualification
	Journal 05/01/03 (03-014)
1245 D1	
1243 D1	Senior Reactor Analyst Training and Qualification Program
	01/24/03 (03-001)
1245 D3	Engineering Specialties Training Areas 04/05/02 (02-014)
1246	Formal Qualification Programs in the Nuclear Material Safety
	and Safeguards Program Area 01/05/01 (01-002)
404C ADD A	Training Astribia 04 (05 (04 (04 000))
	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)
	Fuel Cycle Sefectional Inspector Physical Security
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)
	301.11.01.01.11.11.11.11.11.11.11.11.11.1

CHAPTER

Sec. VI	NMSS Headquarters Transportation Packaging and Dry Storage System Safety Inspector 01/05/01 (01-002)
Sec. VII	Fuel Cycle License Reviewer 01/05/01 (01-002)
Sec. VIII	Waste Management Inspectors and License Reviewers 01/05/01 (01-002)
Sec. IX	Decommissioning Inspectors 01/05/01 (01-002)
Sec. X	Decommissioning Project Managers/Technical Reviewers 04/14/03 (03-012)
Sec. XI	Materials Exempt Distribution License Reviewer 01/05/01 (01-002)
Sec. XII	Uranium Recovery Inspector 01/05/01 (01-002)
Sec. XIII	Uranium Recovery Project Manager/Technical Reviewer 01/05/01 (01-002)
Sec. XIV	High-Level Waste Repository Inspector 04/14/03 (03-012)
Sec. XV	High-Level Waste Repository License Technical Reviewer 04/14/03 (03-012)
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
3 00. VIII	01/05/01 (01-002)
Sec. IX	Decommissioning Inspector 01/05/01 (01-002)
Sec. X	Decommissioning Project Manager/Technical Reviewer 04/14/03 (03-012)
Sec. XI	Materials Exempt Distribution License Reviewer 01/05/01 (01-002)
Sec. XII	Uranium Recovery Inspector 01/05/01 (01-002)
Sec. XIII	Uranium Recovery Project Manager/Technical Reviewer 01/05/01 (01-002)
Sec. XIV	High-Level Waste Repository Inspector 04/14/03 (03-012)
Sec. XV	High-Level Waste Repository License Technical Reviewer 04/14/03 (03-012)

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)

PART CHAPTER 1303 Requesting Emergency Acceptance of Radioactive Material by the U.S. Department of Energy (DOE) 12/30/02 (02-046) 1330 Response to Transportation Accidents Involving Radioactive Materials 03/04/02 (02-006) Use of Physician and Scientific Consultants in the Medical 1360 Consultant Program 04/24/02 (02-020) 1400 Reserved 1415 State Contracts for Environmental Monitoring 06/28/91 (91-009)1500 Reserved 1600 Emergency Preparedness 1601 Communication Protocol For Assessing Offsite Emergency Preparedness Following a Natural Disaster 06/24/03 (03-020) 1700 Reserved 1800 Reserved 1900 Reserved 2000 Reserved 2500/020 Inspection to Determine Compliance with ATWS Rule 10 CFR 50.62 08/06/03 (03-028) 2100 Reserved 2200 Reserved 2300 High Level Waste 2300 Yucca Mountain Pre-Operation Inspection Program 06/20/01 (01-013)

CHAPTER

2400 Low Level Waste Program

2401	Near-Surface Low-Level Radioactive Waste Disposal
	Facility Inspection Program 11/27/01 (01-028)
2410	Conduct of Observation Audits 07/12/00 (00-012)

2500 Reactor Inspection Program

2501	Nuclear Reactor Inspection Program - Early Site Permit) 05/29/03 (03-018)
2509	Browns Ferry Unit 1 Restart Project Inspection Program 09/08/03 (03-032)
2514	Light Water Reactor Inspection Program - Startup Testing Phase 08/21/89 (89-013)
2514 App A 2515	Startup Test Program Inspection Procedures 04/15/94 (94-018) Reactor Inspection Program - Operations Phase
2515 App A	
2515 App B 2515 App C	Supplemental Inspection Program 01/17/02 (02-001) Special and Infrequently Performed Inspections 02/12/03 (03-003)
2515 App D	Plant Status 09/09/03 (03-033)
2515/111	Electrical Distribution System Followup Inspection 08/06/03 (03-028)
2515/142	Draindown During Shutdown and Common-Mode Failure (NRC Generic Letter 98-02)) 06/18/99 (99-009)
2515/147	Expanded Table-Top Drill Evaluation 08/14/02 (02-030) (Note this TI contains safeguards material)
2515/148 Rev. 2	Inspection of Nuclear Reactor Safeguards - Interim Compensatory Measures 03/19/03 (03-009)
2515/149	Mitigating systems Performance Index Pilot Verification 09/24/02 (02-034)
2515/150	Reactor Pressure Vessel Head and Vessel Head Penetration
Rev. 2 2515/151	Nozzles (NRC Bulletin 2002-02) 08/04/03 (03-026)
2515/151	Expanded Pilot Force-on-Force Exercise Evaluation 02/06/03 (03-002)
2515/152	Reactor Pressure Vessel Lower Head Penetration Nozzles
Rev. 1	(NRC Bulletin 2003-02) 11/05/03 (03-036)
2515/153	Reactor Containment Sump Blockage (NRC Bulletin 2003-01) 10/03/03 (03-035)
2515/154	Spent Fuel Material Control and Accounting at Nuclear Power Plants 11/26/03 (03-038)
2515/155	Mark I and Mark II Containment Vulnerabilities 12/12/03 (03-040) Note: TI withheld from public disclosure since
2516	it contains sensitive security information. Policy and Guidance For The License Renewal Inspection Program 04/10/02 (02-016)
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 02/03/04 (04-004)

CHAPTER

Decommissioning Power Reactor Inspection Program 04/14/03 (03-012)
 Re-Examination of Year 2000 (Y2K) Program Activities at Selected Decommissioning Reactors 11/30/99 (99-019)
 Safeguards and Emergency Preparedness Inspection of Interim Compensatory Measures at Decommissioning Power Reactors 04/22/03 (03-011)

2600 Fuel Cycle Facility Inspection Program

2600	Fuel Cycle Facility Operational Safety and Safeguards
2600/003	Inspection Program 04/14/03 (03-012) 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
2600/006	10/12/99 (99-017) 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)
2600/008	Inspection Guidance and Requirements for Interim Compensatory Measures (ICMs) at the Honeywell Conversion Plant, Metropolis, Illinois 07/11/02 (02-028)
2600/009	Inspection of Interim Compensatory Measures (ICMs) At Gaseous Diffusion Plants (GDP) 06/05/03 (03-019)
2600/010	1-Inch UF ₆ Cylinder Valve Testing 07/02/03 (03-022)
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 06/28/02 (02-024)
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 (Title I, Uranium Mill Tailings Radiation Control Act) 10/05/01 (01-020)
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)
2681/05	Physical Security Inspection For Category I Fuel Cycle Facilities 05/04/90 (90-004)
2681/06	Protected Area Housekeeping 07/10/90 (90-006)

CHAPTER

2681/007	Inspection of Safeguards Interim Compensatory Measures at Nuclear Fuel Facilities Possessing Strategic Special Nuclear Material (SNMM) 08/08/03 (03-029)
2682	Technical Assistance for Safeguards MC&A Inspections at Fuel Facilities 06/18/84 (84-18)
2683	MC&A Safeguards Inspection of Fuel Facilities 07/22/99 (99-011)
2690	Inspection Program For Dry Storage of Spent Reactor Fuel at Independent Spent Fuel Storage Installations 12/03/01 (01-029)
2690 App A	Inspection Program for an ISFSI Located at a Reactor Site 12/03/01 (01-029)
2690 App B	Inspection Program for an ISFSI Located Away From Any Reactor Site 12/03/01 (01-029)

2700 Licensee Contractor and Vendor Inspection Program

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

2800 Materials Inspection Program

2800 2800/026	Materials Inspection Program 11/25/03 (03-037) Followup Inspection of Formerly-Licensed Sites Identified as
2800/030	Potentially Contaminated 07/12/00 (00-012) Verification of the Status of Devices Authorized For Use Under a General License 05/30/00 (00-011)
2800/032	Followup - Materials Safeguard Advisory 10/31/01 (01-023)
2801	Uranium Mill 11e.(2) Byproduct Material Disposal Site and Facility Inspection Program 08/25/00 (00-014)
2810	Master Materials License Inspection Program 09/15/03 (03-034)
2815	Construction and Preoperational Inspection of Panoramic, Wet-Source-Storage Gamma Irradiators 03/27/01 (01-010)
2882	Transfer of NRC License Files to Agreement State(s) 12/03/01 (01-029)

2900 Performance Appraisal Program

2900	Performance Appraisal Program DI 04/04/85 (85-14)
2901	Team Inspections 08/24/01 (01-016)
2920	Construction Appraisal Team Inspection Program 03/29/85
	(85-11)

3000 Management Meetings

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

3100 Reserved

PART PROCEDURE 3200 Reserved 3300 Reserved 3400 Reserved 3500 Quality Assurance 35002 Early Site Permit Pre-Docketing Quality Assurance Controls Meeting 05/29/03 (03-018) Pre-Docketing Early Site Permit Quality Assurance Controls 35004 Inspection 05/29/03 (03-018) Post-Docketing Early Site Permit Quality Assurance Controls 35006 Inspection 05/29/03 (03-018) Early Site Permit Quality Assurance Controls Assessment and 35012 Conclusion 05/29/03 (03-018) Preoperational Testing - Quality Assurance 08/06/03 (03-028) 35301 QA for the Startup Test Program 01/20/84 (84-04) 35501 Quality Assurance Program Review 09/17/01 (01-017) 35701 3600 Organization and Administration 10 CFR Part 21 Inspections at Nuclear Power Reactors 36100 08/30/91 (91-011) Organization 09/17/01 (01-017) 36800 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) Engineering 11/15/99 (99-018) 37550 37551 Onsite Engineering 06/24/98 (98-010) Design Changes, and Modifications 09/17/01 (01-017 37700 Safety Reviews, Design Changes, and Modifications at 37801 Permanently Shutdown Reactors 08/11/97 (97-012) 3800 Procurement Commercial Grade Dedication 04/08/96 (96-007) 38703

3900 Records

39701

Issue Date: 02/03/04

Records Program 09/17/01 (01-017)

PROCEDURE

4000	Review	and	Audit
------	--------	-----	-------

40001	Resolution of Employee Concerns 06/03/97 (97-006)
40002	Inspections to Review Allegations 06/28/02 (02-024)
40500	Effectiveness of Licensee Process to Identify, Resolve, and
	Prevent Problems 05/03/99 (99-008)
40801	Self-Assessment, Auditing, and Corrective Action at
	Permanently Shutdown Reactors 08/11/97 (97-012)

4100 Training

41500 Training and Qualification Effectiveness 06/13/95 (95-007)

4200 Procedures

42001 Emergency Operating Procedures 06/28/91 (91-009) 42700 Plant Procedures 11/15/95 (95-015)

4300 Vendor Procedures

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

4400 Reserved

4500 Geotechnical/Foundation

45051 Geotechnical/Foundation Activities Procedure Review 05/29/03 (03-018)

4600 Structural Concrete

4700 Containment (Post-Tensioning)

4800 Structural Steel and Supports

4900 Piping

49001	Inspection of Erosion/Corrosion Monitoring Programs 12/11/98 (98-019)
49055	Reactor Coolant Pressure Boundary Piping Record Review 08/16/82 (82-07)

Issue Date: 02/03/04 - 11 - TABLE OF CONTENTS

PROCEDURE

5000 Mechanical Components and Equipment

50001	Steam Generator Replacement Inspection 09/06/00 (00-015)
50002	Steam Generators 12/31/96 (96-024)
50090	Pipe Support and Restraint Systems 08/06/03 (03-028)
50100	Heating, Ventilating, and Air Conditioning Systems
	08/06/03 (03-028)

5100 Electrical Components and Systems

51053	Electrical Components and systems - Work Observation
	08/06/03 (03-028)
51055	Electrical Components and Systems - Record Review
	08/06/03 (03-028)
51061	Electrical Cable - Procedure Review 08/06/03 (03-028)

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

JJUJU	Nuclear Welding General Inspection Procedure
	06/20/83 (83-06)
55100	Structural Welding General Inspection Procedure
	06/20/83 (83-06)

5600 Calibration

5700 Nondestructive Examination, Destructive Examination and Fabrication Testing

57050	Visual Testing Examination 03/09/99 (99-003)
57060	Liquid Penetrant Testing Examination 03/09/99 (99-003)
57070	Magnetic Particle Testing Examination 03/09/99 (99-003)
57080	Ultrasonic Testing Examination 03/09/99 (99-003)
57090	Nondestructive Examination Procedure Radiographic
	Examination Procedure Review/Work Observation/Record
	Review 06/14/93 (93-005)

Issue Date: 02/03/04

PROCEDURE

5800 Special Processes

5900 Reserve Shutdown System

6000 Fuel Fabrication, Handling and Storage

60705	Preparation for Refueling 07/27/95 (95-009)
60710	Refueling Activities 07/27/95 (95-009)
60801	Spent Fuel Pool Safety at Permanently Shutdown Reactors 08/11/97 (97-012)
60851	Design Control of ISFSI Components 08/08/03 (03-030)
60852	ISFSI Component Fabrication By Outside Fabricators 08/08/03 (03-030)
60853	On-Site Fabrication of Components and Construction of an ISFSI 09/07/00 (00-016)
60854	Preoperational Testing of an ISFSI 03/28/02 (02-012)
60854.1	Preoperational Testing of Independent Spent Fuel Storage Facility Installation at Operating Plants 02/02/04 (04-003)
60855	Operation of an ISFSI 03/28/02 (02-012)
60855.1	Operation of an Independent Spent Fuel Storage Installation at Operating Plants 02/02/04 (04-003)
60856	Review of 10 CFR 72.212(b) Evaluations 04/02/03 (03-008)
60856.1	Review of 10 CFR 72.212(b) Evaluations at Operating Plants 02/02/04 (04-003)
60857	Review of 10 CFR 72.48 Evaluations 03/09/01 (01-007)

6100 Surveillance

61705	Calibration of Nuclear Instrumentation Systems 05/12/86 (86-25)
61706	Core Thermal Power Evaluation 07/14/86 (86-36)
61707	Determination of Reactor Shutdown Margin 10/11/85 (85-31)
61708	Isothermal and Moderator Temperature Coefficient Determinations 10/11/85 (85-31)
61709	Total Power Coefficient of Reactivity at Pressurized Water Reactors 07/14/86 (86-36)
61710	Control Rod Worth Measurements (PWR) 10/11/85 (85-31)
61715	Verification of Containment Integrity 12/23/86 (86-60)
61720	Containment Local Leak Rate Testing 10/03/85 (85-30)
61726	Surveillance Observations 06/24/98 (98-010)
61728	Independent Measurement of RCS Leak Rates for a PWR 01/01/84 (84-02)

6200 Maintenance

Inspection of Structures, Passive Components, and Civil Engineering Features at Nuclear Power Plants 12/31/96 (96-024)

Issue Date: 02/03/04 - 13 - TABLE OF CONTENTS

PART	_	>-
	PROCEDUR 62003	Inspection of Steel and Concrete Containments at Nuclear
	62706 62709	Power Plants 06/11/97 (97-008) Maintenance Rule 12/13/00 (00-028) Configuration Risk Assessment and Risk Management Process 12/28/00 (00-029)
	62710	Power-Operated Gate Valve Pressure Locking and Thermal
	62708 62801	Binding 01/17/02 (02-001) Motor-Operated Valve Capability 09/12/00 (00-018) Maintenance and Surveillance at Permanently Shutdown Reactors 08/11/97 (97-012)
6300	Construction	n Testing
6400	Fire Prevent	ion/Protection
	64704	Fire Protection Program 06/24/98 (98-010)
6500	Reserved	
6600	Reserved	
6700	Reserved	
6800	Reserved	
6900	Non-Power Reactor Inspection	
	69001 69002 69003	Class II Research and Test Reactors 02/03/04 (04-004) Class III Research and Test Reactors 02/03/04 (04-004) Class I Research and Test Reactor Operator Licenses, Requalification, and Medical Examinations 03/03/04 (04-004)
	69004	Requalification, and Medical Examinations 02/03/04 (04-004) Class I Research and Test Reactor Effluent and Environmental
	69005 69006	Monitoring 02/03/047 (04-004) Class I Research and Test Reactor Experiments 02/03/04 (04-004) Class I Research and Test Reactors Organization and Operations and Maintenance Activities 02/03/04 (04-004)
	69007	Class I Research and Test Reactor Review and Audit and Design Change Functions 02/03/04 (04-004)
	69008 69009	Class I Research and Test Reactor Procedures 02/03/04 (04-004) Class I Research and Test Reactor Fuel Movement 02/03/04 (04-004)
	69010 69011	Class I Research and Test Reactor Surveillance 02/03/04 (04-004) Class I Research and Test Reactor Emergency Preparedness 02/03/04 (04-004)

PROCEDURE

69012	Class I Research and Test Reactors Radiation Protection
	02/03/04 (04-004)
69013	Research and Test Reactor Decommissioning 02/03/04 (04-004)

7000 Preoperational Testing

70304	Engineered Safety Features Test - Preoperational Test Procedure
	Review 08/06/03 (03-028)
70307	Containment Integrated Leak Rate Test - Procedure
	Review 03/07/86 (86-13)
70313	Containment Integrated Leak Rate Test 11/12/85 (85-36)
70323	Containment Leak Rate Test Results Evaluation
	10/03/85 (85-30)
70370	Testing Piping Support and Restraint Systems 03/07/86 (86-13)

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)
71002	Post-Approval Site Inspection for License Renewal
7 1005	12/09/02 (02-044)
71004	Power Uprate 07/09/02 (02-027)
71005	Inspector Review of Licensing-Related Information
7 1000	08/05/03 (03-027)
71007	Reactor Vessel Head Replacement Inspection 07/10/03 (03-024)
71111	Reactor Safety-Initiating Events, Mitigating Systems,
	Barrier Integrity 05/06/03 (03-015)
71111.DS	Safety System Design and Performance Capability
	05/06/03 (03-015)
71111.EP	Equipment Àvailability, and Functional Capability 05/06/03 (03-015)
71111.HS	Heat Sink Performance 05/06/03 (03-015)
71111.ST	Post-Maintenance and Surveillance Testing 05/06/03 (03-015)
71111.01	Adverse Weather Protection 01/17/02 (02-001)
71111.02	Evaluation of changes, Tests, or Experiments
	07/07/03 (03-023)
71111.04	Equipment Alignment 01/17/02 (02-001)
71111.05	Fire Protection 03/06/03 (03-007)
71111.06	Flood Protection Measures 01/17/02 (02-001)
71111.07	Heat Sink Performance 01/17/02 (02-001)
71111.08	Inservice Inspection Activities 09/09/03 (03-033)
71111.11	Licensed Operator Requalification Program 12/16/03 (03-041)
71111.12	Maintenance Effectiveness 07/01/02 (02-025)
71111.13	Maintenance Risk Assessments and Emergent Work Evaluation
71111 11	01/17/02 (02-001)
71111.14	Personnel Performance Related to Nonroutine Plant Evolutions
71111.15	and Events 07/07/03 (03-023)
71111.15	Operability Evaluations 02/02/04 (04-003) Operator Workarounds 01/17/02 (02-001)
71111.10	Permanent Plant modifications 01/17/02 (02-001)
, , , , , , , , , , , , , , , , , , , ,	

PROCEDURE

PROCEDUR	<u>XE</u>
71111.19	Post Maintenance Testing 01/17/02 (02-001)
71111.20	Refueling and Outage Activities 11/05/03 (03-036)
71111.21	Safety system Design and Performance Capability
7 1 1 1 1 1 2 1	07/10/03 (03-024)
71111.22	Surveillance Testing 01/17/02 (02-001)
71111.23	Temporary Plant Modifications 01/17/02 (02-001)
71111.23	Poster Sefety Emergency Properedness 07/00/02 (02 027)
	Reactor Safety-Emergency Preparedness 07/09/02 (02-027)
71114.01	Exercise Evaluation 07/09/02 (02-027)
71114.02	Alert and Notification System Testing 07/09/02 (02-027)
71114.03	Emergency Response Organization Augmentation Testing 07/09/02 (02-027)
71114.04	Emergency Action Level and Emergency Plan Changes 07/09/02 (02-027)
71114.05	Correction of emergency Preparedness Weaknesses and Deficiencies 07/09/02 (02-027)
71114.06	Drill Evaluation 07/09/02 (02-027)
71114.00	Occupational Radiation Safety 03/06/02 (02-008)
71121.01	Access Control to Radiologically Significant Areas 03/06/02 (02-008)
71121.02	ALARA Planning and Controls 03/06/08 (02-008)
71121.03	Radiation Monitoring Instrumentation 03/06/02 (02-008)
71122	Public Radiation Safety 01/24/03 (03-001)
71122.01	Radioactive Gaseous and Liquid Effluent Treatment and
7 1 122.01	Monitoring Systems 01/24/03 (03-001)
74400 00	
71122.02	Radioactive Material Processing and Transportation 01/24/03 (03-001)
71122.03	Radiological Environmental Monitoring Program (REMP) 01/24/03 (03-001)
71130	Physical Protection 04/03/00 (00-003)
71130.01	Access Authorization (AA) Program (Behavior Observation
	Only) 04/05/02 (02-015)
71130.02	Access Control (Search of Personnel, Packages, and Vehicles
	Identification and Authorization 04/05/02 (02-015)
71130.03	Response to Contingency Events (Protective Strategy and
	Implementation of Protective Strategy) 09/12/00 (00-018)
71130.04	Security Plan Changes 04/05/02 (02-015)
71150	Discrepant or Unreported Performance Indicator Data
7 1 100	03/06/01 (01-006)
71151	Performance Indicator Verification 12/16/03 (03-041)
71152	Identification and Resolution of Problems 09/08/03 (03-032)
71153	Event Followup 06/24/03 (03-020)
71707	Plant Operations 12/31/98 (98-020)
71714	Cold Weather Preparations 09/17/01 (01-017)
71715	Sustained Control Room and Plant Observation 04/14/92 (92-004)
71750	Plant Support Activities 06/24/98 (98-010)
71801	Decommissioning Performance and Status Review at
1 1001	Demonantly Chutdown Deactors 00/44/07 (07.040)
74044	Permanently Shutdown Reactors 08/11/97 (97-012)
71841	Human Performance 12/12/00 (00-027)
71846B	Review of Conduct of Operations 10/01/76 (76-24)

PROCEDURE

7200 Startup Testing

72300 72301 72302	Startup Test Procedure Review 01/20/84 (84-04) Startup Test Results Evaluation 01/20/84 (84-04) Startup Test Witnessing and Observation 01/20/84 (84-04)
72400B 72500B 72502B 72504B	Overall Startup Test Program 07/01/80 (80-16) Initial Fuel Loading Procedure 04/30/75 (75-16) Initial Criticality Procedure Review (BWR) 04/30/75 (75-16) 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 Trip 04/30/73 (73-16) Startup Test Procedure Review - Turbine Trip/Generator Trip 07/01/80 (80-16)
72516B	Startup Test Procedure Review - Shutdown From Outside
72517B	the Control Room (Group A) 07/01/80 (80-16) 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
72578B	07/01/80 (80-16) Power Ascension Test Procedure Review - Evaluation of
72580B	Core Performance 07/01/80 (80-16) 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 Réview: 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 72596B	PWR Initial Criticality Witnessing 01/20/84 (84-04) Precritical Data Review 07/01/80 (80-16)

P	R	O	C	F	D	U	R	Ε
	11	v	v	_	$oldsymbol{-}$	v	1	_

72600B	Power Level Plateau Data Review (25% PWR) 07/01/80 (80-16)
72608B	Power Level Plateau Data Review (50% PWR) 07/01/80 (80-16)
72616B	Power Lével Plateau Data Review (75% PWR) 07/01/80 (80-16)
72624B	Power Level Plateau Data Review (100% PWR) 07/01/80 (80-16)
72701	Modification Testing 04/14/92 (92-004)

7300 <u>Inservice Inspection</u>

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

7400 Reserved

7500 Reserved

7600 Reserved

7700 Reserved

7800 High Level Waste

78060	Design Control (Pre-Licensing and Construction) [04/02/03 (03-008)]
78070	Procurement Document Control (Pre-Licensing and Construction) [04/02/03 (03-008)]
78080	Instruction, Procedures, and Drawings (Pre-Licensing and Construction) [04/02/03 (03-008)]
78090	Document Control (Pre-Licensing and Construction) [04/02/03 (03-008)]
78160	Control of Measuring and Test Equipment (Pre-Licensing and Construction) [04/02/03 (03-008)]
78170	Handling, Storage, and Shipping of Materials and Equipment (Pre-Licensing and Construction) [04/02/03 (03-008)]
78200	Corrective Action (Pre-Licensing and Construction) [04/02/03 (03-008)]
78300	Supplier/Vendor Inspection (Pre-Licensing and Construction) [04/02/03 (03-008)]

PROCEDURE

7900 Water Chemistry

79702 Control and monitoring of Radiological Source Term 04/17/00 (00-006)

8000 Environmental Protection

80721 Radiological Environmental Monitoring 09/17/01(01-017)

8100 Physical Security

81001 81001.1	Independent Spent Fuel Storage Installations 09/17/01 (01-017) Independent Spent Fuel Storage Installation(s) at Operating Plants 02/02/04 (04-003)
81018	Security Plan and Implementing Procedures 05/09/84 (84-15)
81020	Management Effectiveness - Security Program 05/09/84 (84-15)
81022	Security Organization 05/09/84 (84-15)
81034	Security Program Audit 05/09/84 (84-15)
81038	Records and Reports 05/09/84 (84-15)
81042	Testing and Maintenance 05/09/84 (84-15)
81046	Locks, Keys, and Combinations 05/09/84 (84-15)
81052	Physical Barriers - Protected Areas 05/09/84 (84-15)
81054	Physical Barriers - Vital Areas, Material Access Areas, and
	Controlled Access Areas 05/09/84 (84-15)
81058	Security System Power Supply 05/09/84 (84-15)
81062	Lighting 05/09/84 (84-15)
81064	Compensatory Measures 05/09/84 (84-15)
81066	Assessment Áids 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)

Issue Date: 02/03/04 - 19 - TABLE OF CONTENTS

PROCEDURE

PROCEDU	<u>VE</u>
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
01370	Formula Quantities of Special Nuclear Meterials in
	Formula Quantities of Special Nuclear Materials in
	Transit 08/20/86 (86-40)
81401	Plans, Procedures, and Reviews 09/17/01 (01-017
81402	Reports of Safeguards Events 06/13/85 (85-23)
81403	Receipt of New Fuel at Reactor Facilities 09/17/01 (01-017
81411	Physical Protection for Reactors with Formula
	Quantities of Special Nuclear Material 11/04/85 (85-34)
81421	Fixed Site Physical Protection of Special Nuclear Material
01721	of Moderate Strategic Significance 06/13/85 (85-23)
04.404	
81431	Fixed Site Physical Protection of Special Nuclear
	Material of Low Strategic Significance 09/17/01 (01-017)
81501	Personnel Training and Qualification - General Requirements
	05/09/84 (84-15)
81502	Fitness For Duty Program 05/31/91 (91-008)
81601	Safeguards Contingency Plan - Implementation Review
	05/09/84 (84-15)
81700	Physical Security Program for Power Reactors
01700	07/01/97 (97-010)
01010	
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
01020	02/19/91 (91-003)
	04113131 (31-003)

83728

83729

83750

83801

83822

83890

(00-006)

(91-021)

01/28/02 (02-003)

PART PROCEDURE 81930 Tactical Response Team Exercises 02/19/91 (91-003) Vehicle Barriers 02/19/91 (91-003) 81931 Vehicle Escorts 02/19/91 (91-003) 81932 81933 Vehicle Searches 03/18/91 (91-005) 81934 Warehouse Searches 03/18/91 (91-005) Weapons Qualification 02/19/91 (91-003) 81935 8200 Emergency Planning Evaluation of Emergency Preparedness 05/22/00 (00-010) 82001 Evaluation of Exercises for Power Reactors 82301 12/31/96 (96-024) 82302 Review of Exercise Objectives and Scenarios for Power Reactors 06/24/98 (98-010) 82701 Operational Status of the Emergency Preparedness Program 12/31/96 (96-024) 8300 Radiation Protection 83100 Occupational Exposure During SAFSTOR and DECON 12/30/91 (91-022) Significant Uncontrolled Radiation Exposures 83501 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) Radiation Protection, Plant Chemistry, and Radwaste: 83722 Organization and Management Controls (Minimum/Basic) 09/17/01 (01-017) General Employee, Radiation Safety, Plant Chemistry, 83723 Radwaste, and Transportation Training 12/16/03 (03-041) 83724 External Occupational Exposure Control and Personal Dosimetry 04/17/00 (00-006) Internal Exposure Control and Assessment 04/17/00 (00-006) 83725 83726 Control of Radioactive Materials and Contamination, Surveys, and Monitoring 09/17/01 (01-017) 83727 Facilities and Equipment (Basic) 09/17/01 (01-017)

- 21 -TABLE OF CONTENTS Issue Date: 02/03/04

Radiation Protection 09/07/00 (00-016)

Maintaining Occupational Exposures ALARA 04/17/00

Occupational Radiation Exposure 06/06/02 (02-023)

Closeout Inspection and Survey 05/01/03 (03-013)

Occupational Exposure During Extended Outages 12/31/91

Inspection of Final Surveys at Permanently Shutdown Reactors

PROCEDURE

8400 Radioactive Waste Management

84100	Special Nuclear Material Inspections At Near Surface Low-Level Waste Disposal Facilities In Agreement States 11/27/01 (01-028)
84101	Radioactive Waste Management 12/30/91 (91-022)
84521	Radwaste - Startup 01/01/84 (84-01)
84750	Radioactive Waste Treatment, and Effluent and Environmental Monitoring 03/15/94 (94-006)
84850	Radioactive Waste Management - Inspection of Waste Generator Requirements of 10 CFR 20 and 10 CFR 61 06/06/02 (02-023)
84900	Low-Level Radioactive Waste Storage 10/20/00 (00-022)

8500 Material Control and Accountability

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

<u>PART</u>

PROCEDURE

85503 Resolution Program 07/22/99 (99-011)

8600 Spent Fuel and Other Radioactive Material Packaging and Shipping

86001	Design, Fabrication, Testing, and Maintenance of
	Transportation Packagings 02/07/02 (02-004)
86700	Spent Fuel Pool Activities 09/17/01 (01-017)
86730	Transportation of Radioactive Materials (49 CFR Parts 100-
	179 and 10 CFR Part 71) 04/17/00 (00-006)
86740	Inspection of Transportation Activities 04/24/02 (02-020)
86750	Solid Radioactive Waste Management and Transportation
	of Radioactive Materials 03/15/94 (94-006)

8700 Materials Safety Inspection

87102	Maintaining Effluents From Materials Facilities As Low As Is Reasonably Achievable (ALRA) 04/04/00 (00-005)
87103	Inspection of Material Licensees Involved in an Incident or Bankruptcy Filing 11/03/00 (00-023)
87104	Decommissioning Inspection Procedure for Materials Licensees 07/29/02 (02-029)
87121	Industrial Radiográphy Programs 12/31/02 (02-047)
87122	Irradiator Programs 12/31/02 (02-047)
87123	Well Logging Programs 11/25/03 (03-037)
87124	Fixed and Portable Gauge Programs 11/25/03 (03-037)
87125	Materials Processor/Manufacturer Programs 12/31/02 (02-047)
87126	Industrial/Academic/Research Programs 12/31/02 (02-047)
87127	Radiopharmacy Programs 12/31/02 (02-047)
87129	Master Materials Program 09/15/03 (03-034)
87130	Nuclear Medicine Programs, Written Directive Not Required 10/24/02 (02-041)
87131	Nuclear Medicine Programs, Written Directive Required 10/24/02 (02-041)
87132	Brachytherapy Programs 10/24/02 (02-041)
87133	Medical Gamma Sterotactic Radiosurgery and Teletherapy Programs 10/24/02 (02-041)
87134	Medical Broad Scope Programs 10/24/02 (02-041)
87250	Locating Missing Materials Licensees 10/29/01 (01-022)
87654	Uranium Mill, In-Situ Uranium Recovery, and 11e.(2) Byproduct Material Site Decommissioning Inspection 03/19/02 (02-010)

8800 Fuel Facility Inspection

el Cycle
•
5)

Issue Date: 02/03/04 - 23 - TABLE OF CONTENTS

PROCEDURE

	·
88010	Operator Training/Retraining 05/23/84 (84-17)
88015	Headquarters Nuclear Criticality Safety Program 12/20/96 (96-025)
88020	Regional Criticality Safety Inspection Program 12/20/96 (96-025)
88025	Maintenance and Surveillance Testing 05/23/84 (84-17)
88035	Radioactive Waste Management 05/23/84 (84-17)
88045	Environmental Protection 05/23/84 (84-17)
88050	Emergency Preparedness 04/08/96 (96-007)
88055	Fire Protection 01/14/91 (91-001)
88056	Process Safety Information 01/16/96 (96-001)
88057	Hazard Identification Information 01/16/96 (96-001)
88058	Standard Operating Procedures 01/16/96 (96-001)
88059	Site-Wide Safety Procedures 01/16/96 (96-001)
88060	Detection and Monitoring 01/16/96 (96-001)
88061	Chemical Safety Training 01/16/96 (96-001)
88062	Maintenance and Inspection 01/16/96 (96-001)
88063	Management of Change 01/16/96 (96-001)
88064	Emergency Response Procedures 01/16/96 (96-001)
88065	Incident Investigation 01/16/96 (96-001)
88066	Audits and Inspection 01/16/96 (96-001)
88100	Plant Operations 12/30/96 (96-026)
88101	Configuration Control 12/30/96 (96-026)
88102	Surveillance Observations 12/30/96 (96-026)
88103	Maintenance Observations 12/30/96 (96-026)
88104	Decommissioning Inspection Procedure For Fuel Cycle Facilities 07/03/02 (02-026)
88105	Management Organization and Controls 12/30/96 (96-026)

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)
90712	Inoffice Review of Written Reports of Nonroutine Events
	at Power Reactor Facilities 12/31/98 (98-020)
90713	In Office Review of Periodic and Special Reports
	09/17/01 (01-017)
90714	Nonroutine Reporting Program 09/17/01 (01-017)
907 1 4	Nonioutine Reporting Program 09/17/01 (01-017)

9100 Title 10 Requirements

Issue Date: 02/03/04

PROCEDURE

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 11/08/01 (01-025)
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)
92901	Followup - Plant Operations 09/17/01 (01-017)
92902	Followup - Maintenance 09/17/01 (01-017)
92903	Followup - Engineering 09/17/01 (01-017)
92904	Followup - Plant Support 09/17/01 (01-017)

9300 Non-Routine Activities

93001 93702	OHSA Interface Activities 05/22/89 (89-009) Prompt Onsite Response To Events At Operating Power
93800 93801	Reactors 09/17/01 (01-017) Augmented Inspection Team 10/23/02 (02-039) Safety System Functional Inspection (SSFI) 07/25/96 (96-016)
93802	Operational Safety Team Inspection (OSTI) 11/27/89 (89-015)
93803	Safety Systems Outage Modifications Inspection 04/27/89 (89-008)
93804	Risk-Based Operational Safety and Performance Inspection 01/15/92 (92-001)
93805	Maintenance Program 08/06/93 (93-070)
93806	Operational Readiness Assessment Team Inspections 09/29/98 (98-015)
93807	Systems Based Instrumentation and Control Inspection 01/29/93 (93-001)
93809	Safety System Engineering Inspection (SSEI) 06/23/97 (97-009)
93810	Service Water System Operational Performance Inspection (SWSOPI) 09/14/98 (98-013)
93811	Electrical Distribution System Functional Inspection (EDSFI) 02/03/99 (99-002)
93812	Special Inspection 07/07/03 (03-023)

9400 Technical Activities of an Administrative Nature

Issue Date: 02/03/04 - 25 - TABLE OF CONTENTS

PROCEDURE

9500 Strategic Determination Actions

95001

95002

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

Red Input 01/17/02 (02-001)

9600 Reserved

9700 Reserved

9800 Reserved

Issue Date: 02/03/04

TECHNICAL GUIDANCE

9900 Guidance²

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

Technical Guidance

<u>rechnicai G</u>	<u>uidance</u>
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 - 0	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)
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)

Issue Date: 02/03/04 - 27 - TABLE OF CONTENTS

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

TECHNICAL GUIDANCE

ANSI N45.2.9, Section 5.5 - Records Storage Facility 1/01/82 (81-28)
ANSI N45.2.9, Section 5.6 - NRC Criteria for Records Storage Facilities 07/01/80 (80-17)
ANSI/ASME NQA-1-1989, Supplement 17S-1, Section 5 09/17/90 (CN-010) (90-010)
Operability 05/12/86 (86-26)
Definitions 12/08/86 (86-54)
Operable/Operability 10/31/91 (91-015)
Acceptable Measurement Tolerances for Technical Specification Limits 10/01/78 (78-35)
Operability and Action Statement Requirements 07/01/80 (80-17)
Voluntary Entry Into Action Statement 01/01/82 (81-28)
Resolution of Degraded and Nonconforming Conditions 10/23/97 (97-018) [STS30DEG.TG]
Limiting Conditions for Operations 08/31/87 (87-30)
Limiting Conditions for Operation and Surveillance Requirements 07/22/87 (87-26)
Containment and Drywell Isolation Valves 06/09/88 (88-06)
Ultimate Heat Sink 11/25/88 (88-17)
TDI Diesel Generator Air Roll Tests 06/09/88 (88-06)
Surveillance Requirements - 125-Volt Battery Bank 10/01/79 (79-22)
Standard Technical Specifications (BWR) 05/12/86 (86-26)
Surveillance of Snubber Piston Settings 04/01/81 (81-08)
Establishment of Visual Inspection Intervals for Snubbers 10/01/78 (78-35)
Hydraulic Snubber Inspection Schedule 01/01/79 (78-48)
Operability of Hydraulic Snubbers With Empty Reservoirs 10/01/80 (80-24)

Issue Date: 02/03/04

TECHNICAL GUIDANCE

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 for Proposed Changes to and Sec 6.5 Facility Technical Specifications 01/01/82 (81-28)

STS Sec 6.5.2.8 Requirements for Off-Site Committee Audit Functions 10/01/78 (78-35)

STS Sec 6.9.1.7 Reporting Requirements - Reportable Occurrences 04/01/78 (78-11)

STS Surveillance Sections - Locked or Otherwise Secured Components 10/01/77 (77-25)

STS Interp Licensee Technical Specification Interpretations 02/03/97 (97-001)

Maintenance

Voluntary Entry Into Limiting Conditions For Operation Action Statements To Perform Preventive Maintenance 01/17/02 (02-001)

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

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

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

Mechanical

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

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

Steam Generator Tube-to-Secondary Leakage 09/09/03 (03-033) [TG_Mech SGTUBELKG.wpd]

Operations

Issue Date: 02/03/04 - 29 - TABLE OF CONTENTS

TECHNICAL GUIDANCE

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

Notice of Enforcement Discretion 11/02/01 (01-024) [TG OpsNOED.wpd]

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

10 CFR GUIDANCE

	CFR Discussions Containment Integrated Leak Rate Testing 12/08/86 (86-54)
	Title 10 of the Code of Federal Regulations 12/08/86 (86-54)
10 CFR 30	License Condition, "Used by or under the supervision of" 10/01/79 (79-23)
50	Byproduct Material Produced in Non-Power Reactors 09/30/88 (88-14)
50.34(a) & (b)	Status of PSAR After FSAR is Submitted 12/30/87 (87-39)
50.36	Changes to Facility Technical Specifications 01/01/77 (76-39)
50.54(o)	Guidance Relating to the Application of Appendix J -Primary Reactor Containment Leakage Testing for Water-Cooled Power Reactors 04/01/78 (78-11)
50.55(e)	Construction Deficiency Reporting 01/31/89 (89-002)
50.55a	Codes and Standards 02/22/73 (73-9)
50.55a(g)	Pump Operability Requirements 07/01/80 (80-17)
50.59	10 CFR 50.59, Changes, Tests, and Experiments 03/13/01 (01-008) [50_59.CFR]
50.109	Backfitting 01/01/82 (81-28)
Part 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

Issue Date: 02/03/04 - 31 - TABLE OF CONTENTS

10 CFR GUIDANCE

01/14/88 (88-01)

Part 50 Appendix J, Containment Integrated Leak Rate Testing 12/08/86 (86-54)

Material Balance, Inventory, and Records Requirements 70.51

12/19/74 (74-11)

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

Interpretations

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

END

Issue Date: 02/03/04