#### **TABLE OF CONTENTS**

Table of Contents Current through Change Notice 05-028 Issued 09/30/05

PART	CHAPTER	
0000 NRC Inspection Manual <sup>1</sup>		ction Manual¹
	0030 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 Responsibilities		<u>sponsibilities</u>
	0102	Oversight and Objectivity of Inspectors and Examiners
	0111	Oversight and Objectivity of Inspectors and Examiners at Reactor Facilities 08/22/05 (05-023)  Monitoring Activities for the DOE West Valley Demonstration Project 03/04/02 (02-006)
0200	Program Management Reports	
	0230	Morning Report 11/18/02 (02-043)
0300	00 Inspection Policy	
	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 12/21/04 (04-028)
	0300	Information Technology Support For The Reactor Oversight Process 06/24/03 (03-021)
	0307	Reactor Oversight Process Self-Assessment Program 01/14/04 (04-001)
	0308	Reactor Oversight Process (ROP) Basis Document 07/28/05 (05-022)
	0308, Att 1	Technical Basis for Performance Indicators 10/06/04 (04-025)
	0308, Att 2	Technical Basis for Inspection Program 07/28/05 (05-022)
	0308, Att 3	Technical Basis for Significance Determination Process

Issue Date: 09/30/05 - 1 - TABLE OF CONTENTS

07/28/05 (05-022) 0308, Att 3, App A Technical Basis for At Power Significance Determination

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

#### **CHAPTER**

	Process 07/27/04 (04-020)
0308, Att 3, A	App B Technical Basis for Emergency Preparedness Significance
0000 4110	Determination Process 07/28/05 (05-022)
0308, Att 3, A	App C Technical Basis for Occupational Radiation Safety Significance Determination Process 07/28/05 (05-022)
0308 Att 3 A	App D Technical Basis for Public Radiation Safety
0000, 7 111 0, 7	Significance Determination Process 07/27/04 (04-020)
0308, Att 3, A	App F Technical Basis for Fire Protection Significance
	Determination Process [IMC 0609, Appendix F] At Power
0308 Att 3 /	Operations 02/28/05 (05-007)  App G Technical Basis for Shutdown Operations Significance
0300, Att 3, 7	Determination Process 02/28/05 (05-007)
0308, Att 3, A	App H Technical Basis for Containment Integrity Significance
	Determination Process 05/06/04 (04-010)
0308, Att 3, A	App I Technical Basis for Operator Requalification Human
	Performance Significance Determination Process 07/28/05 (05-022)
0308, Att 3, A	App J Technical Basis for Steam Generator Tube Integrity Findings
	Significance Determination Process 05/06/04 (04-010)
0308, Att 3, A	App K Technical Basis for Maintenance Risk Assessment and Risk
0308, Att 4	Management SDP 05/19/05 (05-014) Technical Basis for Assessment
0000, 7 111 1	07/28/05 (05-022)
0308, Att 5	Technical Basis for Enforcement
0200	07/28/05 (05-022)
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'
0220	Sites 06/06/02 (02-023)
0320	Operating Reactor Security Oversight Process 08/22/05 (05-023)
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 06/06/05 (05.015)
	With Performance Problems 06/06/05 (05-015)
Enforcement	Policy
	<del></del>
Tracking Sys	toms
Tracking Sys	<u>sterns</u>
Documentation	on of Program Findings
0608	Performance Indicator Program 12/01/04 (04-027)
0609	Significance Determination Process 05/19/05 (05-014)
0609.01	Enforcement Review Panel 06/20/03 (03-021)
0609.02	Process For Appealing NRC Characterization of Inspection Findings (SDP Appeal Process) 04/30/02 (02-022)
0609.03	Senior Reactor Analyst Support Objectives 08/16/01 (01-015)
	Determining the Significance of Reactor Inspection Findings for At-
	Power Situations 12/01/04 (04-027)
0609 App B	Emergency Preparedness Significance Determination Process

0400

0500

0600

#### **CHAPTER**

03/06/03 (0	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 Baseline Physical Protection Significance Determination Process 07/21/05 (05-020)
- 0609 App E Part I Baseline Physical Protection Significance Determination Process 07/21/05 (05-020)
- 0609 App E Part II Force-on-Force Physical Protection Significance Determination Process 07/21/05 (05-020)
- 0609 App F Fire Protection Significance Determination Process 02/28/05 (05-007)
- 0609, App F, Att 1 Part 1: Fire Protection SDP Phase 1 Worksheet 02/28/05 (05-007)
- 0609, App F, Att 2 Degradation Rating Guidance Specific to Various Fire Protection Program Elements 02/28/05 (05-007)
- 0609, App F, Att 3 Guidance for Identifying Fire Growth and Damage Scenarios 02/28/05 (05-007)
- 0609, App F, Att 4 Fire Ignition Source Mapping Information: Fire Frequency, Counting Instructions, Applicable Fire Severity Characteristics, and Applicable Manual Fire Suppression Curves 02/28/05 (05-007)
- 0609, App F, Att 5 Characterizing Non-Simple Fire Ignition Sources 02/28/05 (05-007)
- 0609, App F, Att 6 Guidance for the Identification of Targets and Their Ignition and Damage Criteria 02/28/05 (05-007)
- 0609, App F, Att 7 Guidance for Fire Growth and Damage Time Analysis 02/28/05 (05-007)
- 0609, App F, Att 8 Guidance for Fire Non-Suppression Probability Analysis 02/28/05 (05-007)
- 0609 App G Shutdown Operations Significance Determination Process 02/28/05 (05-007)
- 0609, App G, Att 1 Shutdown Operations Significance Determination Process Phase 1 Operational Checklists for Both PWRs and BWRs 05/25/04 (04-015)
- 0609, App G, Att 2 Phase 2 Significance Determination Process Template for PWR During Shutdown 02/28/05 (05-007)
- 0609, App G, Att 3 Phase Ž Significance Determination Process Template for BWR During Shutdown 02/28/05 (05-007)
- 0609 App H Containment Integrity Significance Determination Process 05/06/04 (04-010)
- 0609 App I Operator Requalification Human Performance Significance Determination Process [SDP] 08/22/05 (05-023)
- 0609 App J Steam Generator Tube Integrity Findings Significance Determination Process 05/06/04 (04-010)
- 0609 App K Maintenance Risk Assessment and Risk Management Significance Determination Process 05/19/05 (05-014)
- 0610 Inspection Reports 05/18/04 (04-014)
- O612 Power Reactor Inspection Reports 09/30/05 (05-028)
- 0612, Exh 1 Standard Reactor Inspection Report Outline 09/30/05 (05-028)
- 0612, Exh 2 Inspection Report Documentation Matrix 09/30/05 (05-028)
- 0612, Exh 3 Sample Reactor Inspection Report 09/30/05 (05-028)
- 0612, Exh 4 Sample Cover Letters 09/30/05 (05-028)

#### CHAPTER

0612, App A List of Acronyms Used in IMC 0612 09/30/05 (05-028) 0612, App B Issue Screening 09/30/05 (05-028) 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 09/30/05 (05-028) Research and Test Reactor Inspection Reports 0615 06/23/04 (04-018) 0620 Inspection Documents and Records 07/08/96 (96-015) Analysis of the Impact of Noncompliance with Physical 0630 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 Reactor Oversight Process Feedback Program 01/27/05 (05-004) 0801 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 02/11/04 (04-006) 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 08/22/05 (05-023) 1202 Processing of NRC Form 241, "Report of Proposed Activities In Non-Agreement States," Areas of Exclusive Federal 1220 Jurisdiction and Offshore Waters, and Inspection of Agreement State Licensees Operating Under 10 CFR 150.20 05/01/03 (03-013) 1220, APP I Procedures and Guidelines For Processing NRC Form 241 05/01/03 (03-013)

# PART CHAPTER

1000	A mm II	Dresedures Letter to be Cont to Licenses With Dresedures and
1220,	Арр п	Procedures Letter to be Sent to Licensees With Procedures and
		Information for Filing NRC Form 241 05/01/03 (03-013)
0220.	. App III	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
1232		
4040		Measurement Samples 11/18/86 (86-52)
1240		Unescorted Access At Power Reactors 12/01/04 (04-027)
1245		Qualification Program For the Office of Nuclear Reactor
		Regulation Programs 09/02/05 (05-024)
1245	Δtt 1	General Overview of the Inspector Training and Qualification
1240	/ \\\\	
4045	٧ ٥	Program 05/01/03 (03-014)
1245		Inspector Competencies 04/05/02 (02-014)
1245		General Orientation Topics 04/05/02 (02-014)
1245	App A	Basic-level Training and Certification Journal 09/02/05 (05-024)
	App B	General Proficiency-Level Training and Qualification Journal
12 10	, the D	09/02/05 (05-024)
1015	1 nn C1	
1245	App C1	
		Qualification Journal 09/02/05 (05-024)
1245	App C2	Reactor Engineering Inspector Technical Proficiency Training
		and Qualification Journal 09/02/05 (05-024)
1245	App C3	
1240	App Co	
4045	0.4	Qualification Journal 08/24/04 (04-022)
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)
1245	App C6	
1243	App Co	
4045	00	Training and Qualification Journal 08/24/04 (04-022)
1245	C8	Vender Inspector Technical Proficiency Qualification Journal
		05-28/03 (03-017)
1245	C9	Construction Inspector Technical Proficiency Qualification Journal
		05/01/03 (03-014)
1245	Ann C1	
1245	App C i	Operator Licensing (OL) Examiner Technical Proficiency
	- 4	Training and Qualification Journal 09/02/05 (05-024)
1245	D1	Senior Reactor Analyst Training and Qualification Program
		02/18/05 (05-006)
1245	D3	Engineering Specialties Training Areas 04/05/02 (02-014)
1246		Formal Qualification Programs in the Nuclear Material Safety
1270		
4040	4 DD 4	and Safeguards Program Area 01/05/01 (01-002)
		Training Activities 01/05/01 (01-002)
Sec. I		Materials License Reviewer 01/05/01 (01-002)
Sec. I	II .	Materials Health Physics Inspector 01/05/01 (01-002)
Sec.		Fuel Cycle Safety Inspector 01/05/01 (01-002)
Sec. I	I V	Fuel Cycle Safeguards Inspector Physical Security
		01/05/01 (01-002)
Sec. \	V	NMSS Headquarters Fuel Cycle Safeguards Inspector Material
		Control and Accounting 01/05/01 (01-002)
Sec. \	VI	NMSS Spent Fuel Project Office Qualification Journal
555.		01/26/05 (05-002)
Sac 1	./11	
Sec.		Fuel Cycle License Reviewer 01/05/01 (01-002)
Sec. \	VIII	Waste Management Inspectors and License Reviewers
		01/05/01 (01-002)
Sec I	IX	Decommissioning Inspectors 01/05/01 (01-002)

#### <u>PART</u>

## CHAPTER

Sec. X	Decommissioning Project Managers/Technical Reviewers 04/14/03 (03-012)
Sec. XI	Materials Exempt Distribution License Reviewer
Sec. XII	01/05/01 (01-002) Uranium Recovery Inspector 01/05/01 (01-002)
Sec. XIII	Uranium Recovery Project Manager/Technical Reviewer
0 \/\\	01/05/01 (01-002)
Sec. XIV Sec. XV	High-Level Waste Repository Inspector 04/14/03 (03-012) High-Level Waste Repository License Technical Reviewer
Sec. Av	04/14/03 (03-012)
Sec. XVI	Training Requirements for Sealed Source and Device Reviewers 02/11/04 (04-006)
1246 APP B	NRC Inspector, License Reviewer and Project
	Manager/Technical Reviewer Training and Qualification
Sec. I	Journal 01/05/01 (01-002) 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
000. VI	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
Sec. IX	01/05/01 (01-002) Decommissioning Inspector 01/05/01 (01-002)
Sec. X	Decommissioning Project Manager/Technical Reviewer
000. A	04/14/03 (03-012)
Sec. XI	Materials Exempt Distribution License Reviewer
0 \//	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)
Sec. XVI	Technical Reviewer Qualification Journal Byproduct Material
	Sealed Source and Device Reviewers 02/11/04 (04-006)
Incident Res	<u>ponse</u>
1301	Response to Non-Emergency Incidents Involving Radioactive
.001	Material 10/20/00 (00-022)
1302	Action Levels For Radiation Exposures and Contamination
	Associated With Materials Events Involving Members of the
1303	Public 07/14/05 (05-019)  Paguacting Emergancy Accordance of Radioactive Material by
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 10/06/04 (04-025)
1360	Use of Physician and Scientific Consultants in the Medical
	Consultant Program 04/24/02 (02-020)

1300

PART	CHAPTER	
1400	Reserved 1415	State Contracts for Environmental Monitoring 06/28/91 (91-009)
1500	Reserved	
1600	Emergency F	Preparedness Prepa
	1601	Communication Protocol For Assessing Offsite Emergency Preparedness Following a Natural Disaster 07/07/05 (05-018)
1700	Reserved	
1800	Reserved	
1900	Reserved	
2000	Reserved	
2100	Reserved	
2200	Nuclear Sec	urity and Incident Response
	2201	Security and Safeguards Inspection Program For Commercial Power Reactors 02/19/04 (04-007)
	2201 App A	Security and Safeguards Baseline Inspection Program 02/19/04 (04-007)
	2201 App C	Supplemental Inspection Program 02/19/04 (04-007) Generic, Special, and Infrequent Inspections 02/19/04 (04-007) Facility Status Reviews 02/19/04 (04-007)
2300	High Level V	<u>Vaste</u>
	2300	Yucca Mountain Pre-Operation Inspection Program 06/20/01 (01-013)
2400	Low Level W	/aste Program
	2401	Near-Surface Low-Level Radioactive Waste Disposal
	2410	Facility Inspection Program 11/27/01 (01-028) Conduct of Observation Audits 07/12/00 (00-012)

## **CHAPTER**

## 2500 Reactor Inspection Program

2500/020	Inspection to Determine Compliance with ATWS Rule
	10 CFR 50.62 08/06/03 (03-028)
2501	Nuclear Reactor Inspection Program - Early Site Permit)
	05/29/03 (03-018)
2502	Construction Inspection Program: Pre-Combined License (Pre-
0500	COL) Phase 06/22/05 (05-016)
2509	Browns Ferry Unit 1 Restart Project Inspection Program
0544	09/08/03 (03-032)
2514	Light Water Reactor Inspection Program - Startup
0511 Ann A	Testing Phase 08/21/89 (89-013)
	Startup Test Program Inspection Procedures 04/15/94 (94-018)
2515	Light Water Inspection Program - Operations Phase
2515 Ann A	07/28/05 (05-022) Risk-Informed Baseline Inspection Program 01/17/02 (02-001)
	Supplemental Inspection Program 03/23/05 (05-008)
	Special and Infrequently Performed Inspections
2313 App C	07/07/05 (05-018)
2515 App D	Plant Status 01/26/05 (05-003)
2515/111 2515/111	Electrical Distribution System Followup Inspection
2010/111	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	Inspection of Nuclear Reactor Safeguards - Interim Compensatory
Rev. 2	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. 3	Nozzles (NRC Order EA-03-009) 02/18/05 (05-006)
2515/151	Expanded Pilot Force-on-Force Exercise Evaluation
0=4=44=0	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)
Rev. 1	02/18/05 (05-006)
2515/154	Spent Fuel Material Control and Accounting at Nuclear Power
2515/155	Plants 11/26/03 (03-038)  Mark I and Mark II Containment Vulnerabilities
2515/155	12/12/03 (03-040) Note: TI withheld from public disclosure since
	it contains sensitive security information.
2515/156	Offsite Power System Operational Readiness 04/29/04 (04-009)
2515/157	Mark I and Mark II Containment Operations
2010/10/	05/06/04 (04-012) Note: TI withheld from public disclosure since
	it contains sensitive security information
2515/158	Functional Review of Low Margin/Risk Significant Components and
20.07.00	Human Actions 06/14/04 (04-017)
2515/159	Review of Generic Letter 89-13: Service Water System Problems
· • •	Affecting Safety-Related Equipment 07/29/04 (04-021)
2515/160	Pressurizer Penetration Nozzles and Steam Space Piping
	Connections in U.S. Pressurized Water Reactors (NRC Bulletin
	2004-01) 10/06/04 (04-025)
	,

## **CHAPTER**

2515/161	Transportation of Reactor Control Rod Drives in Type A Packages 03/30/05 (05-009)
2515/162	SAFEGUARDS INFORMATION 04/13/05 (05-010)
2515/163	Operational Readiness of Offsite Power 05/02/05 (05-011)
2515/164	Inspection of Nuclear Reactor Safeguards Interim Compensatory Measures - Section B.5.b of the February 25, 2002, Order [SAFEGUARDS INFORMATION] 06/28/05 (05-017)
2516	Policy and Guidance For The License Renewal Inspection Programs 02/18/05 (05-006)
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 06/23/04 (04-018)
2561	Decommissioning Power Reactor Inspection Program 04/14/03 (03-012)
2561/003	Re-Examination of Year 2000 (Y2K) Program Activities at Selected Decommissioning Reactors 11/30/99 (99-019)
2561/004	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
0000/000	Inspection Program 04/14/03 (03-012) Operational Safety Review 07/29/04 (04-021)
2600/003	Operational Safety Review 07/29/04 (04-021)
2600/006	Resident Inspector Program for Category I Fuel Cycle Facilities 07/29/04 (04-021)
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 Compénsatory Measures (ICMs) At Gaseous Diffusion Plants (GDP) 06/05/03 (03-019)
2600/011	Verification of Disposition of Potentially Defective 1-Inch Hunt Valves for Uranium Hexafluoride Cylinders 01/05/05 (05-001)
2600/012	Institutionalizing Concern Regarding Safety Issues Identified in Selected Past Generic Communications 9/28/05 (05-027)
2601	Team Assessments of Fuel Cycle and Materials Licensees 05/04/90 (90-004)
2602	Decommissioning Oversight and Inspection Program For Fuel Cycle Facilities and Materials Licensees 08/22/05 (05-023)
2603	Inspection of the Nuclear Chemical Process Safety Program at Fuel Cycle Facilities 01/16/96 (96-001)
2604	Licensee Performance Review 06/28/02 (02-024)
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	Mixed Oxide Fuel Fabrication Facility Construction Inspection Program 05/18/05 (05-0013)
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)
2681/007	Inspection of Safeguards Interim Compensatory Measures at

## **CHAPTER**

	2682 2683 2690	Nuclear Fuel Facilities Possessing Strategic Special Nuclear Material (SNMM) 08/08/03 (03-029) Technical Assistance for Safeguards MC&A Inspections at Fuel Facilities 06/18/84 (84-18) MC&A Safeguards Inspection of Fuel Facilities 07/22/99 (99-011 Inspection Program For Dry Storage of Spent Reactor Fuel at Independent Spent Fuel Storage Installations 07/14/05 (05-019)
2700	Licensee Co	ntractor and Vendor Inspection Program
	2700	Vendor Inspection Program (VIP) 10/29/90 (90-013)
2800	Materials Ins	pection Program
	2800 2800/030	Materials Inspection Program 09/28/05 (05-027) Verification of the Status of Devices Authorized For Use Under a General License 05/30/00 (00-011)
	2800/032 2800/034	Followup - Materials Safeguard Advisory 10/31/01 (01-023) Inspection of Panoramic and Underwater Irradiators Additional
	2800/035	Security Measures 02/12/04 (04-005)  Verification of Licensee Responses to NRC Bulletin 2003-04  Regarding Inventories of Source and Special Nuclear Materials  Tracked in the Nuclear Materials Management and Safeguards  System 07/29/04 (04-021)
	2800/036	Inspection of Manufacturing and Distribution Licensees 09/13/04 (04-024)
	2800/037 Rev. 1	Safety Procedures For Panoramic Irradiators 07/14/05 (05-019)
	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 2901 2920	Performance Appraisal Program DI 04/04/85 (85-14) Team Inspections 08/24/01 (01-016) Construction Appraisal Team Inspection Program 03/29/85 (85-11)
3000	Management 30800B	t <u>Meetings</u> Initial Management Meeting - Materials Licensees 10/01/76 (76-26)

3100 Reserved

Issue Date: 09/30/05

#### **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) Pre-Docketing Combined License Quality Assurance Controls 35005 Inspection 06/22/05 (05-016) 35006 Post-Docketing Early Site Permit Quality Assurance Controls Inspection 05/29/03 (03-018) 35012 Early Site Permit Quality Assurance Controls Assessment and Conclusion 05/29/03 (03-018) Post-Docketing Development of the Quality Assurance (QA) 35017 Program for Design and Procurement Activities 06/22/05 (05-016) Inspection of Applicant's Surveillance of Contractor Quality 35020 Assurance (QA) Activities 06/22/05 (05-016) Post-Docketing Implementation of Quality Assurance (QA) 35021 Activities Related to Design, Procurement and Construction 06/22/05 (05-016) Pre-Combined License (COL) Quality Assurance (QA) Inspection 35029 of Site Limited Work Authorization (LWA) 1 & 2 Activities 06/22/05 (05-016) Review of the QA Manual 06/22/05 (05-016) 35100 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 36100 Inspection of 10 CFR Parts 21 and 50.55(e) Programs for Reporting Defects and Noncompliance 06/22/05 (05-016) 36800 Organization 09/17/01 (01-017) 36801 Organization, Management, and Cost Controls at Permanently Shutdown Reactors 08/11/97 (97-012) 3700 <u>Design, Design Changes, Modifications</u> 10 CFR 50.59 Safety Evaluation Program 06/24/98 (98-010) 37001 37550 Engineering 11/15/99 (99-018)

Issue Date: 09/30/05 - 11 - TABLE OF CONTENTS

Design Changes, and Modifications 09/17/01 (01-017

Safety Reviews, Design Changes, and Modifications at

Onsite Engineering 06/24/98 (98-010)

37551

37700

37801

**PROCEDURE** 

Permanently Shutdown Reactors 08/11/97 (97-012)
37802 First-of-a-Kind Engineering Inspections 06/22/05 (05-016)

3800 Procurement

38703 Commercial Grade Dedication 04/08/96 (96-007)

3900 Records

39701 Records Program 09/17/01 (01-017)

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)

Issue Date: 09/30/05

#### **PROCEDURE**

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

#### 4900 Piping

49001 Inspection of Erosion/Corrosion Monitoring Programs

12/11/98 (98-019)

49055 Reactor Coolant Pressure Boundary Piping Record Review

08/16/82 (82-07)

#### 5000 Mechanical Components and Equipment

50001	Steam Generator Replacement Inspection 09/06/00 (00-015)
50002	Steam Generators 12/31/96 (96-024)
50003	Pressurizer Replacement Inspection 07/07/05 (05-018)
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 <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)

#### 5600 Calibration

Issue Date: 09/30/05 - 13 - TABLE OF CONTENTS

#### **PROCEDURE**

56700 Calibration 03/23/05 (05-008)

#### 5700 Nondestructive Examination, Destructive Examination and Fabrication Testing

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

#### 5800 Special Processes

#### 5900 Reserve Shutdown System

#### 6000 Fuel Fabrication, Handling and Storage

60705 60710	Preparation for Refueling 07/27/95 (95-009) 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 02/11/04 (04-006)
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 01/26/05 (05-002)

#### 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

Issue Date: 09/30/05

#### **PART** PROCEDURE (85-31)61715 Verification of Containment Integrity 12/23/86 (86-60) Containment Local Leak Rate Testing 10/03/85 (85-30) 61720 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 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 Nuclear 62003 Power Plants 06/11/97 (97-008) Maintenance Rule 12/13/00 (00-028) 62706 62709 Configuration Risk Assessment and Risk Management Process 12/28/00 (00-029) Power-Operated Gate Valve Pressure Locking and Thermal 62710 Binding 01/17/02 (02-001) 62708 Motor-Operated Valve Capability 09/12/00 (00-018) Maintenance and Surveillance at Permanently Shutdown 62801 Reactors 08/11/97 (97-012) 6300 Construction Testing 6400 Fire Prevention/Protection 64704 Fire Protection Program 06/24/98 (98-010) 6500 Reserved 6600 Reserved 6700 Reserved 6800 Reserved 6900 Non-Power Reactor Inspection

69001	Class II Research and Test Reactors 02/03/04 (04-004)
69002	Class III Research and Test Reactors 02/03/04 (04-004)
69003	Class I Research and Test Reactor Operator Licenses,
	Requalification, and Medical Examinations 02/03/04 (04-004)
69004	Class I Research and Test Reactor Effluent and Environmental
	Monitoring 02/03/047 (04-004)
69005	Class I Research and Test Reactor Experiments 02/03/04 (04-004)
69006	Class I Research and Test Reactors Organization and Operations

Issue Date: 09/30/05 - 15 - TABLE OF CONTENTS

#### **PROCEDURE**

	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	Class I Research and Test Reactor Procedures 02/03/04 (04-004)
69009	Class I Research and Test Reactor Fuel Movement
	02/03/04 (04-004)
69010	Class I Research and Test Reactor Surveillance 02/03/04 (04-004)
69011	Class I Research and Test Reactor Emergency Preparedness
	02/03/04 (04-004)
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 02/18/05 (05-006)
71003	Post-Approval Site Inspection for License Renewal 02/18/05 (05-006)
71004	Power Uprate 07/09/02 (02-027)
71005	Inspector Review of Licensing-Related Information 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 Availability, 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 04/13/04 (04-008)
71111.02	Evaluation of changes, Tests, or Experiments 07/07/03 (03-023)
71111.04	Equipment Alignment 01/17/02 (02-001)
	Fire Protection (Annual / Quarterly) 07/07/04 (05-018)
71111.05T	Fire Protection (Triennial) 02/18/05 (05-006)
71111.06	Flood Protection Measures 01/17/02 (02-001)
71111.07	Heat Sink Performance 06/06/05 (05-015)
71111.08	Inservice Inspection Activities 05/11/04 (04-013)
71111.11	Licensed Operator Requalification Program 12/16/03 (03-041)

Issue Date: 09/30/05

PART		
PR	COCEDUR	<u> </u>
	111.12 111.13	Maintenance Effectiveness 07/01/02 (02-025) Maintenance Risk Assessments and Emergent Work Evaluation 01/17/02 (02-001)
71	111.14	Personnel Performance Related to Nonroutine Plant Evolutions and Events 07/07/03 (03-023)
	111.15	Operability Evaluations 02/02/04 (04-003)
	111.16	Operator Workarounds 01/17/02 (02-001)
	111.17 111.19	Permanent Plant modifications 07/07/05 (05-018) Post Maintenance Testing 01/17/02 (02-001)
	111.19	Refueling and Other Outage Activities 09/02/05 (05-024)
71	111.21	Safety System Design and Performance Capability 04/13/04 (04-008)
	111.22	Surveillance Testing 05/11/04 (04-013)
	111.23	Temporary Plant Modifications 06/06/05 (05-015)
	114 114.01	Reactor Safety-Emergency Preparedness 07/09/02 (02-027) Exercise Evaluation 07/09/02 (02-027)
	114.02	Alert and Notification System Testing 07/09/02 (02-027)
71	114.03	Emergency Response Organization Augmentation Testing 07/09/02 (02-027)
	114.04	Emergency Action Level and Emergency Plan Changes 07/09/02 (02-027)
	114.05	Correction of emergency Preparedness Weaknesses and Deficiencies 07/09/02 (02-027)
	114.06	Drill Evaluation 07/09/02 (02-027)
	121 121.01	Occupational Radiation Safety 03/06/02 (02-008)
/ 1	121.01	Access Control to Radiologically Significant Areas 03/06/02 (02-008)
71	121.02	ALARA Planning and Controls 03/06/08 (02-008)
	121.03	Radiation Monitoring Instrumentation 03/06/02 (02-008)
	122	Public Radiation Safety 01/24/03 (03-001)
71	122.01	Radioactive Gaseous and Liquid Effluent Treatment and Monitoring Systems 01/24/03 (03-001)
71	122.02	Radioactive Material Processing and Transportation
	122.03	01/24/03 (03-001) Radiological Environmental Monitoring Program (REMP)
		01/24/03 (03-001)
	130	Physical Protection 02/19/04 (04-007)
	130.01 130.02	Access Authorization 07/28/05 (05-021) Access Control 02/16/04 (04-007)
	130.02	Contingency Response - Force-On-Force Testing
, ,	100.00	11/10/04 (04-026)
	130.04	Equipment Performance, Testing Maintenance 02/19/04 (04-007)
	130.05	Protective Strategy Evaluation 02/19/04 (04-007)
	130.06 130.07	Inspection of Security Plan Changes 02/19/04 (04-007) Security Training 02/19/04 (04-007)
	130.07	Fitness For Duty Training 02/19/04 (04-007)
	130.09	Owner-Controlled Area Controls 02/19/04 (04-007)
	150	Discrepant or Unreported Performance Indicator Data 06/06/05 (05-015)
71	151	Performance Indicator Verification 10/06/04 (04-025)
71	152	Identification and Resolution of Problems 09/08/03 (03-032)
	153	Event Followup 06/24/03 (03-020)
	707 714	Plant Operations 12/31/98 (98-020)
	714 715	Cold Weather Preparations 09/17/01 (01-017) Sustained Control Room and Plant Observation 04/14/92

PART	PROCEDU	<u>RE</u>
		(92-004)
	71750	Plant Support Activities 06/24/98 (98-010)
	71801	Decommissioning Performance and Status Review at Permanently Shutdown Reactors 08/11/97 (97-012)
	71841	Human Performance 12/12/00 (00-027)
	71846B	Review of Conduct of Operations 10/01/76 (76-24)

## 7200 Startup Testing

72300 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 72508B	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) Power Ascension Procedure Review: HPCI System 07/01/80 (80-16)
72509B	Power Ascension Procedure Review: Control Rod Drive System 07/01/80 (80-16)
72510B	Power Ascension Procedure Review - Relief Valves and MSIVs 04/30/75 (75-16)
72512B	Startup Test Procedure Review - RCIC or Recirculation Pump Trip 04/30/75 (75-16)
72514B	Startup Test Procedure Review - Turbine Trip/Generator Trip 07/01/80 (80-16)
72516B	Startup Test Procedure Review - Shutdown From Outside the Control Room (Group A) 07/01/80 (80-16)
72517B	Startup Test Procedure Review: Loss of Offsite Power (Group A & B) 07/01/80 (80-16)
72518B	Startup Test Procedure Review - Core Performance 07/01/80 (80-16)
72524 72526 72532 72564B	Initial Fuel Loading Witnessing 01/20/84 (84-04) BWR Initial Criticality Witnessing 01/20/84 (84-04) Power Level Plateau Data Review (BWR) 01/20/84 (84-04) 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 72572B	Initial Criticality Procedure Review (PWR) 07/01/80 (80-16) Low Power Test Procedures Review Moderator Temperature Coefficient and Boron Worth or Control Rod Worth and Pseudo Rod Ejection Worth 07/01/80 (80-16)
72576B	Power Ascension Test Procedure Review - Natural Circulation or Power Reactivity Coefficient Measurement 07/01/80 (80-16)
72578B	Power Ascension Test Procedure Review - Evaluation of Core Performance 07/01/80 (80-16)
72580B	Power Ascension Test Procedure Review - Turbine Trip or Generator Trip 07/01/80 (80-16)
72582B	Power Ascension Test Procedure Review - Loss of Offsite Power (Group A) 07/01/80 (80-16)
72583B	Power Ascension Test Procedure Review: Shutdown from

#### **PROCEDURE**

	Outside the Control Room (Group B) 07/01/80 (80-16)
72584B	Power Ascension Test Procedure Review - Evaluation of
	Flux Asymmetry or Pseudo Rod Ejection Test 04/30/75 (75-16)
72592	PWR Initial Criticality Witnessing 01/20/84 (84-04)
72596B	Precritical Data Review 07/01/80 (80-16)
72600B	Power Level Plateau Data Review (25% PWR) 07/01/80 (80-16)
72608B	Power Level Plateau Data Review (50% PWR) 07/01/80
720000	(80-16)
72616B	Power Level Plateau Data Review (75% PWR) 07/01/80
	(80-16)
72624B	Power Level Plateau Data Review (100% PWR) 07/01/80
	(80-16)
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

#### 7900 Water Chemistry

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

#### 8000 Environmental Protection

80210 Environmental Protection - Initial and Periodic Inspections 06/22/05 (05-016)
80721 Radiological Environmental Monitoring 09/17/01(01-017)

#### 8100 Physical Security

Issue Date: 09/30/05 - 19 - TABLE OF CONTENTS

PART	
PROCEDU	RE
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 81020 81022	Security Plan and Implementing Procedures 05/09/84 (84-15) Management Effectiveness - Security Program 05/09/84 (84-15) Security Organization 05/09/84 (84-15)
81034 81038	Security Program Audit 05/09/84 (84-15) Records and Reports 05/09/84 (84-15)
81042 81046 81052	Testing and Maintenance 05/09/84 (84-15) Locks, Keys, and Combinations 05/09/84 (84-15) 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 81062 81064	Security System Power Supply 05/09/84 (84-15) Lighting 05/09/84 (84-15) Compensatory Measures 05/09/84 (84-15)
81066 81070	Assessment Aids 05/09/84 (84-15) Access Control - Personnel 05/09/84 (84-15)
81072 81073	Access Control (Power Reactor) - Packages 05/09/84 (84-15) Access Control (Fuel Facility) - Packages, Material, and SSNM 05/09/84 (84-15)
81074 81078	Access Control - Vehicles 05/09/84 (84-15) Detection Aids - Protected Areas 05/09/84 (84-15)
81080 81084	Detection Aids - VA, MAA, and CAA 05/09/84 (84-15) Alarm Stations 05/09/84 (84-15)
81088 81110	Communications 05/09/84 (84-15) 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 81360	Physical Protection of Shipments of SNM of Low Strategic Significance (LSNM) 02/20/86 (86-09)
	General Requirements for Physical Protection of Formula Quantities of Special Nuclear Material in Transit 08/20/86 (86-40)
81365	Records, Reports, and Planning for Physical Protection of Formula Quantities of Special Nuclear Material in Transit 08/20/86 (86-40)
81370	Specific Requirements for Physical Protection of Formula Quantities of Special Nuclear Materials in Transit 08/20/86 (86-40)
81401 81402	Plans, Procedures, and Reviews 09/17/01 (01-017 Reports of Safeguards Events 06/13/85 (85-23)
81403 81411	Receipt of New Fuel at Reactor Facilities 09/17/01 (01-017 Physical Protection for Reactors with Formula Quantities of Special Nuclear Material 11/04/85 (85-34)
81421	Fixed Site Physical Protection of Special Nuclear Material of Moderate Strategic Significance 06/13/85 (85-23)
81431	Fixed Site Physical Protection of Special Nuclear Material of Low Strategic Significance 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)

PARI	-	
	PROCEDUR	
	81601	Safeguards Contingency Plan - Implementation Review 05/09/84 (84-15)
	81700	Physical Security Program for Power Reactors 07/01/97 (97-010)
	81810	Protection of Safeguards Information 02/09/87 (87-03)
	81815	Authorizations for Access to National Security Information
		(NSI) and Restricted Data (RD) 04/30/97 (97-005)
	81820	Physical Protection Facility Approval and Safeguarding
		of National Security Information (NSI) and Restricted
		Data (RD) 04/30/97 (97-005)
	04040	Alarma Ctationa 00/40/04 (04 002)
	81910	Alarm Stations 02/19/91 (91-003)
	81911 81912	Assessment 02/19/91 (91-003) 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 81922	Isolation Zone 02/19/91 (91-003) 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
	81930	02/19/91 (91-003) Tactical Response Team Exercises 02/19/91 (91-003)
	81931	Vehicle Barriers 02/19/91 (91-003)
	81932	Vehicle Escorts 02/19/91 (91-003)
	81933	Vehicle Searches 03/18/91 (91-005)
	81934	Warehouse Searches 03/18/91 (91-005)
	81935	Weapons Qualification 02/19/91 (91-003)
8200	Emergency I	Planning
0200	Linergency	<u> Tammy</u>
	82001	Evaluation of Emergency Preparedness 05/22/00 (00-010)
	82201	Emergency Detection and Classification 03/23/05 (05-008)
	82202	Protective Action Decision Making 03/23/05 (05-008)
	82301	Evaluation of Exercises for Power Reactors
	00000	12/31/96 (96-024)
	82302	Review of Exercise Objectives and Scenarios for Power
	82701	Reactors 06/24/98 (98-010) Operational Status of the Emergency Preparedness
	02101	Program 12/31/96 (96-024)
		1 10gram 12/0 1/00 (00 027)

## PROCEDURE

8300	PROCEDUR Radiation Pr	
	83100	Occupational Exposure During SAFSTOR and DECON
	83501	12/30/91 (91-022) Significant Uncontrolled Radiation Exposures 04/17/00 (00-006)
	83502.01	Radioactive Gaseous and Liquid Treatment and Monitoring Systems 04/17/00 (00-006)
	83502.02	Radioactive Material Process and Transportation 04/17/00 (00-006)
	83502.03	Radiological Environmental Monitoring Program and Radioactive Material Control Program 04/17/00 (00-006)
	83521 83722	Radiation Protection - Startup 01/01/84 (84-01) Radiation Protection, Plant Chemistry, and Radwaste: Organization and Management Controls (Minimum/Basic) 09/17/01 (01-017)
	83723	General Employee, Radiation Safety, Plant Chemistry, Radwaste, and Transportation Training 12/16/03 (03-041)
	83724	External Occupational Exposure Control and Personal Dosimetry 04/17/00 (00-006)
	83725 83726	Internal Exposure Control and Assessment 04/17/00 (00-006) Control of Radioactive Materials and Contamination, Surveys, and Monitoring 09/17/01 (01-017)
	83727 83728	Facilities and Equipment (Basic) 09/17/01 (01-017) Maintaining Occupational Exposures ALARA 04/17/00 (00-006)
	83729	Occupational Exposure During Extended Outages 12/31/91 (91-021)
	83750 83801	Occupational Radiation Exposure 06/06/02 (02-023) Inspection of Final Surveys at Permanently Shutdown Reactors 01/28/02 (02-003)
	83822 83890	Radiation Protection 09/07/00 (00-016) Closeout Inspection and Survey 05/01/03 (03-013)
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 84521 84750	Radioactive Waste Management 12/30/91 (91-022) Radwaste - Startup 01/01/84 (84-01) 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
	84900	06/06/02 (02-023) Low-Level Radioactive Waste Storage 10/20/00 (00-022)
8500	Material Cor	ntrol and Accountability
	85102	Material Control and Accounting - Reactors 03/29/85 (85-10)

PROCEDI	URE
85200	N

INCOLDON	<u>VE</u>
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
00000	Qualification 03/18/91 (91-005)
85305	Item Monitoring 03/18/91 (91-005)
85307	Process Monitoring 03/18/91 (91-005)
85309	Measurement Systems and Control 03/18/91 (91-005)
85311	Physical Inventory 03/18/91 (91-005)
85313	Alarm Resolution 03/18/91 (91-005)
85315	Accounting and Internal Control 03/18/91 (91-005)
85401	Management Structure 07/22/99 (99-011)
85402	Measurement Control 07/22/99 (99-011)
85403	Measurement Control Program 07/22/99 (99-011)
85404	Physical Inventory 10/23/96 (96-021)
85405	Item Control Program 07/22/99 (99-011)
85406	Resolution Program 10/23/96 (96-021)
85407	Assessment Program 07/22/99 (99-011)
85408	Recordkeeping 07/22/99 (99-011)
85420	Inspection of IAEA Safeguards for Inspectors at Power Reactors 06/22/88 (88-07)
85425	Implementation of US/IAEA Safeguards Agreement at Fuel Facilities 06/22/88 (88-07)
85501	Inventory Program 07/22/99 (99-011)
85502	Detection Program 07/22/99 (99-011)
85503	Resolution Program 07/22/99 (99-011)

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

86001	Design, Fabrication, Testing, and Maintenance of
	Transportation Packagings 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

Issue Date: 09/30/05 - 23 - TABLE OF CONTENTS

# PART PROCEDURE

	07/29/02 (02-029)
87121	Industrial Radiográphy Programs 08/22/05 (05-023)
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 09/28/05 (05-027)
87126	Industrial/Academic/Research Programs 09/28/05 (05-027)
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 Mèdicine Érograms, 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 09/28/05 (05-027)
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

88001	On-Site Construction 04/15/94 (94-011)
88002	Operational Event Review and Feedback Programs at Fuel Cycle
	Facilities 12/20/96 (96-025)
88003	Reactive Inspection For Events At Fuel Cycle Facilities
	08/10/98 (98-012)
88005	Management Organization and Controls 12/20/96 (96-025)
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)

## PROCEDURE

88104	Decommissioning Inspection Procedure For Fuel Cycle Facilities 07/03/02 (02-026)
88105	Management Organization and Controls 12/30/96 (96-026)
88107	Quality Assurance: Design and Documentation Control
	(Pre-licensing and Construction) 05/18/05 (05-013)
88110	Quality Assurance: Problem Identification, Resolution and
	Corrective Action 05/18/05 (05-013)
88130	Resident Inspection Program for On-Site Construction Activities at
	the Mixed Oxide Fuel Fabrication Facility 05/18/05 (05-013)
88134	Quality Assurance: Piping Relied on for Safety) 05/18/05 (05-013)

#### 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
00700	(75-16)
90700	Feedback of Operational Experience Information at Operating Power Reactors 03/23/05 (05-008)
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)

#### 9100 <u>Title 10 Requirements</u>

#### 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 03/30/05 (05-009)
92709	Licensee Strike Contingency Plans 03/30/05 (05-009)
92711	Continued Implementation of Strike Plans During an Extended Strike 03/30/05 (05-009)
92712	Resumption of Normal Óperations After a Strike 08/21/92 (92-010)
92901	Followup - Plant Óperations 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

Issue Date: 09/30/05 - 25 - TABLE OF CONTENTS

	TECHNICAL GUIDANCE		
	93001 93702	OHSA Interface Activities 02/11/04 (04-006) Prompt Onsite Response To Events At Operating Power Reactors 09/17/01 (01-017)	
	93800 93801	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 93806	Maintenance Program 08/06/93 (93-070) 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		
9500	500 Strategic Determination Actions		
	95001	Inspection for One or Two White Inputs in a Strategic	
	95002	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)	
	95003	Inspection for Repetitive Degraded Cornerstones, Multiple Degraded Cornerstones, Multiple Yellow Inputs, or One Red Input 01/17/02 (02-001)	
9600	Reserved		
9700	Reserved		
9800	Reserved		
9900	<u>Guidance</u> <sup>2</sup>		

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

**TABLE OF CONTENTS** 

## **TECHNICAL GUIDANCE**

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

#### **Technical Guidance**

<u>rechnical 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	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)
ANSI	ANSI N45.2.9, Section 5.5 - Records Storage Facility 1/01/82 (81-28)
ANSI	ANSI N45.2.9, Section 5.6 - NRC Criteria for Records Storage Facilities 07/01/80 (80-17)
ANSI	ANSI/ASME NQA-1-1989, Supplement 17S-1, Section 5 09/17/90 (CN-010) (90-010)

Issue Date: 09/30/05 - 27 - TABLE OF CONTENTS

## **TECHNICAL GUIDANCE**

Oper Det Process	Operability Determinations & Functionality Assessments For Resolution of Degraded or Nonconforming Conditions Adverse to Quality or Safety 09/26/05 (05-026)
STS Sec 1.0	Operability 05/12/86 (86-26)
STS Sec 1.0	Definitions 12/08/86 (86-54)
STS Sec 1.0	Operable/Operability 10/31/91 (91-015)
STS Sec 3.0	Acceptable Measurement Tolerances for Technical Specification Limits 10/01/78 (78-35)
STS Sec 3.0	Operability and Action Statement Requirements 07/01/80 (80-17)
STS Sec 3.0	Voluntary Entry Into Action Statement 01/01/82 (81-28)
STS Sec 3.0	Resolution of Degraded and Nonconforming Conditions 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 Sec 4.0	Limiting Conditions for Operation and Surveillance Requirements 07/22/87 (87-26)
STS Sec 3/4.6.4	Containment and Drywell Isolation Valves 06/09/88 (88-06)
STS Sec 3.7.5	Ultimate Heat Sink 11/25/88 (88-17)
STS Sec 3/4.8.1	TDI Diesel Generator Air Roll Tests 06/09/88 (88-06)
STS Sec 4.2.8.X.X	Surveillance Requirements - 125-Volt Battery Bank 10/01/79 (79-22)
STS Sec 4.5.1	Standard Technical Specifications (BWR) 05/12/86 (86-26)
STS Sec 4.7.9	Surveillance of Snubber Piston Settings 04/01/81 (81-08)
STS Sec 4.7.9.1.a	Establishment of Visual Inspection Intervals for Snubbers 10/01/78 (78-35)
STS Sec 4.7.9.1.a	Hydraulic Snubber Inspection Schedule 01/01/79 (78-48)
STS Sec 4.7.9.6	Operability of Hydraulic Snubbers With Empty Reservoirs 10/01/80 (80-24)
STS Sec 4.8.1.1.2	Surveillance Testing of Diesel Generator Lockout Feature 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)

#### **TECHNICAL GUIDANCE**

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]

Ice Condenser System Inspections 06/06/05 (05-015)

#### **Operations**

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

Notice of Enforcement Discretion 02/07/05 (05-005)

[NOED.TG]

Notice of Enforcement Discretion For Gaseous Diffusion Plants

05/03/99 (99-008) [NOEDGAS.TG]

Issue Date: 09/30/05 - 29 - TABLE OF CONTENTS

#### **TECHNICAL GUIDANCE**

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)
10CFR71 and 49CFR171-178	Transportation of Radioactive Material 12/01/04 (04-027)
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)

#### **10 CFR GUIDANCE**

Part 50, App B Criterion X & XVII - Inspection Documentation Guidance 01/14/88 (88-01)

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

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

Report of Accidental Criticality or Loss of Special Nuclear

Material 11/15/74 (74-010)

#### **Interpretations**

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

**END** 

Issue Date: 09/30/05