TABLE OF CONTENTS

Table of Contents Current through Change Notice 09-002 issued 01/15/09

PART

CHAPTER

0000 NRC Inspection Manual¹

0040 Preparing, Revising, and Issuing Documents for the NRC

Inspection Manual 08/19/08 (08-024)

0100 Program Responsibilities

0102	Oversight and Objectivity of Inspectors and Examiners
	at Reactor Facilities 08/22/05 (05-023)
0111	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 Inspection Policy

0300	Announced and Unannounced Inspections 03/24/94 (94-010)
0301	Coordination of NRC Visits to Commercial Reactor Sites
	08/24/01 (01-016)
0305	Operating Reactor Assessment Program 01/08/09 (09-001)
0306	Information Technology Support for the Reactor Oversight
	Process 12/04/08 (CN 08-034)

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

0307	Reactor Oversight Process Self-Assessment Program 01/10/08 (08-002)
0307 App A	Reactor Oversight Process Self-Assessment Metrics 01/10/08 (08-002)
0307 App B 0308	ROP Realignment Process 01/25/07 (07-003) Reactor Oversight Process (ROP) Basis Document 11/08/07 (07-035)
0308, Att 1	Technical Basis for Performance Indicators 11/08/07 (07-035)
0308, Att 2	Technical Basis for Inspection Program 10/16/06 (06-027)
0308, Att 3	Technical Basis for Significance Determination Process 10/16/06 (06-027)
0308, Att 3, A	App A Technical Basis for At Power Significance Determination 11/08/07 (07-035)
0308, Att 3, A	App B Technical Basis for Emergency Preparedness Significance 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 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, A	Operations 02/28/05 (05-007) App G Technical Basis for Shutdown Operations Significance
0308, Att 3, A	Determination Process 02/28/05 (05-007) App H Technical Basis for Containment Integrity Significance
0308, Att 3, A	Determination Process 05/06/04 (04-010) App I Technical Basis for Operator Requalification Human Performance Significance Determination Process
0308, Att 3, A	07/28/05 (05-022) App J Technical Basis for Steam Generator Tube Integrity Findings
0308, Att 3, A	Significance Determination Process 05/06/04 (04-010) App K Technical Basis for Maintenance Risk Assessment and Risk Management SDR 05/10/05 (05.014)
0308, Att 4	Management SDP 05/19/05 (05-014) Technical Basis for Assessment 07/28/05 (05-022) Technical Basis for Enforcement 10/16/06 (06-027)
0308, Att 5 0308, Att 6	Reserved for Basis Document for the Security Cornerstone of the Reactor Oversight Process
0309 0312	Reactive Inspection Decision Basis for Reactors 01/10/08 (08-002)
0312	Technical Assistance for Radiation Safety Inspections at Nuclear Fuel Cycle Facilities and Materials Licensees' Sites 06/06/02 (02-023)
0313	Industry Trends Program 05/29/08 (08-016)
0320	Operating Reactor Security Assessment Program 07/01/08 (08-018)

CHAPTER

Guidance for NRC Review of Licensee Draft Documents 07/08/96 (96-015)
 Oversight of Operating Reactor Facilities in a Shutdown Condition With Performance Problems 12/15/06 (06-035)

0400 Enforcement Policy

0500 Tracking Systems

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

0608 0609	Performance Indicator Program 02/27/07 (07-007) Significance Determination Process 08/05/08 (08-023)
0609.01	Significance and Enforcement Review Panel Process
	08/05/08 (08-023)
0609.02	Process for Appealing NRC Characterization of Inspection
	Findings (SDP Appeal Process) 01/31/08 (08-004)
0609.03	Senior Reactor Analyst Support Expectations 07/26/06 (06-018)
0609.04	Phase 1 - Initial Screening and Characterization of Findings 01/10/08 (08-002)
0609 Ann A	Determining the Significance of Reactor Inspection Findings for At-
0000 App A	Power Situations 01/10/08 (08-002)
0609 App B	Emergency Preparedness Significance Determination Process
	03/06/03 (03-007)
0609 App C	Occupational Radiation Safety Significance Determination
0600 App D	Process 08/19/08 (08-024)
ороэ Арр Б	Public Radiation Safety Significance Determination Process 02/12/08 (08-007)
0609 App E	Baseline Physical Protection Significance Determination Process
	07/21/05 (05-020)
0609 App E	Part I Baseline Security Significance Determination Process for
0000 4 5	Power Reactors 12/04/08 (CN 08-034
0609 App E	Part II Force-on-Force Physical Protection Significance Determination Process 07/21/05 (05-020)
0609 Ann F	Fire Protection Significance Determination Process
0003 App 1	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
0000 4== 5	Protection Program Elements 02/28/05 (05-007)
обоя, арр г	, Att 3 Guidance for Identifying Fire Growth and Damage Scenarios 02/28/05 (05-007)
	02120100 (00-001)

CHAPTER

- 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 2 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)
- O609 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)
- 0609 App M Significance Determination Process Using Qualitative Criteria 12/22/06 (06-036)
- 0610 Inspection Reports 05/18/04 (04-014)
- O612 Power Reactor Inspection Reports 12/04/08 (CN 08-034)
- 0612, Exh 1 Standard Reactor Inspection Report 12/04/08 (CN 08-034)
- 0612, Exh 2 Inspection Report Documentation Matrix 12/04/08 (CN 08-034)
- 0612, Exh 3 Sample Reactor Inspection Report 09/30/05 (05-028)
- 0612, Exh 4 Sample Cover Letters 09/20/07 (07-029)
- 0612, App A List of Acronyms Used in IMC 0612 12/04/08 (CN 08-034)
- 0612, App B Issue Screening 12/04/08 (CN 08-034)
- 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" 06/22/06 (06-015)
- 0612, App E Examples of Minor Issues 09/20/07 (07-029)
- 0612, App F Examples of Cross-cutting Aspects 06/22/06 (06-015)
- Documenting 10 CFR Part 52 Construction and Test Inspections 10/20/08 (08-029)

CHAPTER

	0614	Documenting 10 CFR 52 Construction Audit Activities 10/03/07 (07-030)
	0615	Research and Test Reactor Inspection Reports 06/23/04 (04-018)
	0616	Fuel Cycle Safety and Safeguards Inspection Reports 07/29/08
	0617	(08-021) Reserved for Vendor Inspection Reports
	0620	Inspection Documents and Records 01/27/06 (06-002)
	0630	Analysis of the Impact of Noncompliance with Physical Security Requirements 10/01/82 (82-09)
0700	Communicat	ions with Licensees
	0730	Generic Communications Regarding Materials and Fuel Cycle Issues 03/21/08 (08-011)
0800	<u>Feedback - I</u>	mproving the Regulatory Process
	0801 0802	Reactor Oversight Process Feedback Program 07/01/08 (08-019) Reserved for the Part 52 Program
	0002	reserved for the Fart 32 Frogram
0900	Reporting of	Events/Incidents
	0970	Potentially Generic Questions Identified by Regional Offices 12/11/00 (00-024)
1000	Regional Off	ice 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 06/22/06 (06-014)
1200	Inspector Re	<u>quirements</u>
	1201 1202 1220	Conduct of Employees 06/29/99 (99-010) Senior Resident Inspector Site Turnover 10/31/08 (08-031) Processing of NRC Form 241, "Report of Proposed Activities In Non-Agreement States," Areas of Exclusive Federal

CHAPTER

		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)
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 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 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 01/10/08 (08-001)
1245	Att 1	General Overview of the Inspector Training and Qualification Program 10/31/06 (06-032)
1245	Att 2	Inspector Competencies 10/31/06 (06-032)
1245	Att 3	General Orientation Topics 10/31/06 (06-032)
1245	App A	Basic-level Training and Certification Journal 01/10/08 (08-001)
1245	Арр В	General Proficiency-Level Training and Qualification Journal 01/10/08 (08-001)
1245	App C1	Reactor Operations Inspector Technical Proficiency Training and Qualification Journal 01/10/08 (08-001)
1245	App C2	Reactor Engineering Inspector Technical Proficiency Training and Qualification Journal 01/10/08 (08-001)
1245	App C3	Health Physics Inspector Technical Proficiency Training and Qualification Journal 10/16/06 (06-027)
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 10/31/06 (06-032)
1245	App C6	Emergency Preparedness Inspector Technical Proficiency Training and Qualification Journal 08/24/04 (04-022)
1245	C8	Vendor Inspector Technical Proficiency Qualification Journal 01/10/08 (08-001)
1245	C9	Construction Inspector Technical Proficiency Qualification Journal 05/01/03 (03-014)
1245	App C1	Operator Licensing (OL) Examiner Technical Proficiency Training and Qualification Journal 10/31/06 (06-032)
1245	D1	Senior Reactor Analyst Training and Qualification Program 10/31/06 (06-032)
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)
1246	APP A	Training Activities 01/05/01 (01-002)
Sec.		Materials License Reviewer 01/05/01 (01-002)
Sec.		Materials Health Physics Inspector 01/05/01 (01-002)

Issue Date: 01/15/09 6 TABLE OF CONTENTS

CHAPTER

0 111	F 10 1 0 (1 1 1 1 1 0 1 0 1 0 1 0 0 1 0 0 0 0
Sec. III	Fuel Cycle Safety Inspector 04/21/06 (04-009)
Sec. IV	Fuel Cycle Safeguards Inspector Physical Security
0 1/	01/05/01 (01-002)
Sec. V	NMSS Headquarters Fuel Cycle Safeguards Inspector Material
	Control and Accounting 01/05/01 (01-002)
A06 Att 1	Spent Fuel Storage and Transportation Training Requirements for
	Project Manager and Technical Reviewer 09/24/08 (08-027)
A06 Att 2	Training Requirements for Spent Fuel Storage and Transportation
	Inspector 09/24/08 (08-027)
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 05/09/06 (05-011)
Sec. XV	High-Level Waste Repository License Technical Reviewer
	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
	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)
B06 Att 1	Office of Nuclear Material Safety and Safeguards Qualification
	Journal for Spent Fuel Storage and Transportation Project Manager
	and Technical Reviewer 09/24/08 (08-027)
B06 Att 2	Office of Nuclear Material Safety and Safeguards Qualification
	Journal for Spent Fuel Storage and Transportation Inspector
	09/24/08 (08-027)
Sec. VII	Fuel cycle License Reviewer 01/05/01 (01-002)
Sec. VIII	Waste Management Inspector and License Reviewer
	01/05/01 (01-002)
Sec. IX	Decommissioning Inspector 01/05/01 (01-002)
Sec. X	Decommissioning Project Manager/Technical Reviewer
	04/14/03 (03-012)
Sec. XI	Materials Exempt Distribution License Reviewer

1300

1400

1500

1600

CHAPTER

	01/05/01 (01-002)	
Sec. XII	Uranium Recovery Inspector 01/05/01 (01-002)	
Sec. XIII	Uranium Recovery Project Manager/Technical Reviewer	
0 1/11/	01/05/01 (01-002)	
Sec. XIV Sec. XV	High-Level Waste Repository Inspector 05/09/06 (05-011)	
Sec. Av	High-Level Waste Repository License Technical Reviewer 04/14/03 (03-012)	
Sec. XVI	Technical Reviewer Qualification Journal Byproduct Material	
000.700	Sealed Source and Device Reviewers 02/11/04 (04-006)	
1247	Reserved for Qualification Program for the Inspectors of Fuel	
	Facilities in the Nuclear Material Safety and Safeguards Program	
	Area	
1252	Construction Inspector Training and Qualification Program 11/25/08	
4050 4 4	(08-033)	
1252 App A	Construction Inspector Basic-Level Training and Certification	
1252 Ann B	Journal 11/25/08 (08-033) Construction Inspector General Proficiency-Level Training and	
1202 App B	Qualification Journal 11/25/08 (08-033)	
1252 App C	Construction Inspector Technical Proficiency-Level Training and	
- 1-1-	Qualification Journal 11/25/08 (08-033)	
	·	
Incident Res	<u>ponse</u>	
1001		
1301	Response to Non-Emergency Incidents Involving Radioactive	
1302	Material 10/20/00 (00-022) Action Levels for Radiation Exposures and Contamination	
1302	Associated with Materials Events Involving Members of the Public	
	07/14/05 (05-019)	
1303	Requesting Emergency Acceptance of Radioactive Material by the	
	U.S. Department of Energy 11/29/07 (07-037)	
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 11/02/06 (06-033)	
Reserved		
1415	State Contracts for Environmental Monitoring 06/28/91 (91-009)	
Danasa		
Reserved		
Emergency Preparedness		
<u> </u>		
1601	Communication Protocol for Assessing Offsite Emergency	
	Preparedness Following a Natural Disaster 07/07/05 (05-018)	
Data: 01/15/0		

Issue Date: 01/15/09 8 TABLE OF CONTENTS

PART CHAPTER 1700 Reserved 1800 Reserved 1900 Reserved 2000 Reserved 2100 Reserved 2200 Nuclear Security 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 01/10/08 (08-001) 2201 App B Supplemental Inspection Program 02/19/04 (04-007) 2201 App C Generic, Special, and Infrequent Inspections 02/19/04 (04-007) 2201 App D Facility Status Reviews 02/19/04 (04-007) Inspection of Additional Security Measures for Radioactive Material 2201/001 Quantities of Concern 09/18/06 (06-024) 2201/001 App B Inspection Requirements and Guidance for Handling and Protection of Safeguards Information - Modified Handling 09/18/06 (06-024)2201/001 App C Radioactive Material Quantities of Concern Security Inspection Record 09/18/06 (06-024) 2201/002 Inspection of Transition of Contract Security to Proprietary Security Force 02/12/08 (08-007) Reserved for Fitness for Duty Part 26 Subpart K 2201/003 2300 High Level Waste 2300 Yucca Mountain Inspection Program License Application Review Period 09/11/08 (08-026) 2400 Low Level Waste Program 2401 Near-Surface Low-Level Radioactive Waste Disposal Facility Inspection Program 11/27/01 (01-028) Conduct of Observation Audits 07/12/00 (00-012) 2410

CHAPTER

2500 Reactor Inspection Program

2501	Construction Inspection Program: Early Site Permit (ESP) 10/03/07 (07-030)
2502	Construction Inspection Program: Pre-Combined License (Pre-COL) Phase 10/03/07 (07-030)
2503	Construction Inspection Program: Inspections of Inspections, Tests, Analyses, and Acceptance Criteria (ITAAC) 10/03/07 (07-030)
2504	Construction Inspection Program - Non-ITAAC Inspections 10/03/07 (07-030)
2505	Periodic Assessment of Construction Inspection Program Results 10/20/08 (08-029)
2507	Construction Inspection Program: Vendor Inspections 10/03/07 (07-030)
2508	Construction Inspection Program: Design Certification 10/03/07 (07-030)
2512	Light Water Reactor Inspection Program - Construction Phase 12/17/86 (reactivated 07-032)
2512/07 Rev	2 Regional Construction Assessment Team Inspections 01/27/84 (reactivated 08-004)
2512/15	Inspection of Watts Bar Nuclear Plant Employee Concerns Program 11/18/85 (reactivated 08-004)
2512/016	Inspection of Watts Bar Nuclear Plant Cable Issues Corrective Action Program Plan 07/13/92 (reactivated 08-004)
2512/017	Inspection of Watts Bar Nuclear Plant Cable Tray and Supports Corrective Action Program Plan 07/13/92 (reactivated 08-004)
2512/018	Inspection of Watts Bar Nuclear Plant Electrical Conduit and Supports Corrective Action Program Plan 07/13/92 (reactivated 08-004)
2512/019	Inspection of Watts Bar Nuclear Plant Design Baseline Corrective Action Program Plan 07/13/92 (reactivated 08-004)
2512/020	Inspection of Watts Bar Nuclear Plant Electrical Issues Corrective Action Program Plan 07/13/92 (reactivated 08-004)
2512/021	Inspection of Watts Bar Nuclear Plant Equipment Seismic Corrective Action Program Plan 07/13/92 (reactivated 08-004)
2512/022	Inspection of Watts Bar Nuclear Plant Fire Protection Corrective Action Program Plan 07/13/92 (reactivated 08-004)
2512/023	Inspection of Watts Bar Nuclear Plant Hanger Update Corrective Action Program Plan 07/13/92 (reactivated 08-004)
2512/024	Inspection of Watts Bar Nuclear Plant Heat Code Traceability Corrective Action Program Plan07/13/92 (reactivated 08-004)
2512/025	Inspection of Watts Bar Nuclear Plant HVAC Duct and Supports Corrective Action Program Plan 07/13/92 (reactivated 08-004)
2512/026	Inspection of Watts Bar Nuclear Plant Instrument Lines Corrective Action Program Plan 07/13/92 (reactivated 08-004)

CHAPTER

2512/027	Inspection of Watts Bar Nuclear Plant Piece Parts/Procurement
2512/02/	Corrective Action Program Plan 07/13/92 (reactivated 08-004)
2512/028	Inspection of Watts Bar Nuclear Plant QA Records Corrective
	Action Program Plan 07/13/92 (reactivated 08-004)
2512/029	Inspection of Watts Bar Nuclear Plant Q-List Corrective Action
	Program Plan 07/13/92 (reactivated 08-004)
2512/030	Inspection of Watts Bar Nuclear Plant Seismic Analysis Corrective
0=404004	Action Program Plan 07/13/92 (reactivated 08-004)
2512/031	Inspection of Watts Bar Nuclear Plant Vendor Information
2512/032	Corrective Action Program Plan 07/13/92 (reactivated 08-004)
2312/032	Inspection of Watts Bar Nuclear Plant Welding Corrective Action Program Plan 07/13/92 (reactivated 08-004)
2512/033	Inspection of Watts Bar Nuclear Plant Concrete Quality Special
2012/000	Program 07/13/92 (reactivated 08-004)
2512/034	Inspection of Watts Bar Nuclear Plant Containment Cooling Special
	Program 07/13/92 (reactivated 08-004)
2512/035	Inspection of Watts Bar Nuclear Plant Control Room Design
	Review Special Program 07/13/92 (reactivated 08-004)
2512/036	Inspection of Watts Bar Nuclear Plant Environmental Qualification
2512/027	Special Program 07/13/92 (reactivated 08-004)
2512/037	Inspection of Watts Bar Nuclear Plant Master Fuse List Special Program 07/13/92 (reactivated 08-004)
2512/038	Inspection of Watts Bar Nuclear Plant Mechanical Equipment
2012/000	Qualification Special Program 07/13/92 (reactivated 08-004)
2512/039	Inspection of Watts Bar Nuclear Plant Microbe Induced Corrosion
	Special Program 07/13/92 (reactivated 08-004)
2512/040	Inspection of Watts Bar Nuclear Plant Moderate Energy Line Break
	Special Program 07/13/92 (reactivated 08-004)
2512/041	Inspection of Watts Bar Nuclear Plant Radiation Monitoring System
2512/042	Special Program 07/13/92 (reactivated 08-004) Inspection of Watts Bar Nuclear Plant Soil Liquefaction Special
2312/042	Program 07/13/92 (reactivated 08-004)
2512/043	Inspection of Watts Bar Nuclear Plant Use-As-Is CAQRS Special
	Program 07/13/92 (reactivated 08-004)
2512 App I	Light Water Reactor Inspection Program - Construction Phase –
	Procedure List 10/16/07 (07-032)
2513	Light Water Reactor Inspection Program – Preoperational Testing
	and Operational Preparedness Phase 08/05/08
0540	(Reactivated 08-023)
2513 App A	Light Water Reactor – Preoperational Testing Phase 08/05/08
2513 Ann B	(reactivated 08-023) Light Water Reactor – Operational Preparedness Phase 08/05/08
2010 App D	(reactivated 08-023)
2514 Liaht	Water Reactor Inspection Program - Startup
_______	Testing Phase 08/21/89 (89-013)
2514 App A	Startup Test Program Inspection Procedures 04/15/94 (94-018)
2515	Light Water Inspection Program - Operations Phase
	05/01/08 (08-014)

CHAPTER

2515 App A 2515 App B 2515 App C	Risk-Informed Baseline Inspection Program 09/03/08 (08-025) Supplemental Inspection Program 01/26/07 (07-004) Special and Infrequently Performed Inspections 01/10/08 (08-001)
2515 App D	Plant Status 09/03/08 (08-025)
2515 App E	Inspection Program Modifications during a Pandemic 01/26/07 (07-
	004)
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)
2515/150	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
	02/06/03 (03-002)
2515/155	Mark I and Mark II Containment Vulnerabilities
	12/12/03 (03-040) (Note: TI withheld from public disclosure since
	it contains sensitive security information)
2515/157	Mark I and Mark II Containment Operations
	05/06/04 (04-012) (Note: TI withheld from public disclosure since
0545/450	it contains sensitive security information.)
2515/158	Functional Review of Low Margin/Risk Significant Components and
	Human Actions 06/14/04 (04-017)
2515/162	Affecting Safety-Related Equipment 07/29/04 (04-021) Safeguards Information 04/13/05 (05-010)
2515/164	Inspection of Nuclear Reactor Safeguards Interim Compensatory
2313/104	Measures - Section B.5.b of the February 25, 2002, Order
	[Safeguards Information] 06/28/05 (05-017)
2515/166	Pressurized Water Reactor Containment Sump Blockage [NRC
2010/100	Rev. 1 Generic Letter 2004-02] 05/16/07 (07-016)
2515/168	Closeout Inspection of Nuclear Reactor Safeguards Interim
_0.000	Compensatory Measures - Section B.5.b of the February 25, 2002,
	Orders. [Safeguards Information] 05/19/06 (06-012)
2515/170	Risk Management Technical Specifications - Initiative 4b - Risk-
	Informed Completion Times 11/29/07 (07-037)
2515/171	Verification of Site Specific Implementation of B.5.b Phase 2 & 3
Rev. 1	Mitigating Strategies 07/25/08 (08-020)
2515/172	Reactor Coolant System Dissimilar Metal Butt Welds 02/21/08 (08-
	009)
2515/173	Review of the Implementation of the Industry Ground Water
Rev. 1	Protection Voluntary Initiative 10/31/08 (08-031)
2515/174	Hydrogen Igniter Backup Power Verification 02/12/08 (08-007)
2515/175	Emergency Response Organization, Drill/Exercise Performance
0=4=44=5	Indicator, Program Review 06/05/08 (08-017)
2515/176	Emergency Diesel Generator Technical Specification Surveillance
	Requirements Regarding Endurance and Margin Testing 05/16/08
	08-015

CHAPTER

2515/177	Reserved for Managing Gas Accumulation in Emergency Core Cooling, Decay Heat Removal, And Containment Spray Systems (NRC Generic Letter 2008-01)
2516	Policy and Guidance for the License Renewal Inspection Programs 02/18/05 (05-006)
2517	Watts Bar Unit 2 Construction Inspection Program 02/15/08 (08-008)
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 Safeguare Program 03/21/08 (08-011)	ds Inspection
	2600 App A	Guidance For Conducting Fuel Cycle Inspections 08	/15/07 (07 025)
		NRC Core Inspection RequirementsTables 1 and 2	
	2000, App B	03/21/08 (08-011)	2 00/13/07
	2600 App C	Fuel Cycle Resident Inspection Program 08/15/07 (0	7-025)
		Fuel Cycle Facility Inspection Planning 03/21/08 (08-	
	2600/008	Inspection Guidance and Requirements for Interim C	,
	2000,000	Measures (ICMs) at the Honeywell Conversion Plant	
		Illinois 07/11/02 (02-028)	.,o op oo,
	2600/009	Inspection of Interim Compensatory Measures (ICMs	s) At Gaseous
		Diffusion Plants (GDP) 06/05/03 (03-019)	,
	2600/014	Reserved for Inspection Guidance for Applying Safe	ty Culture
		Components Within the Inspection and Enforcement	Program for
		Fuel Cycle Facilities	
	2601	Team Assessments of Fuel Cycle and Materials Lice	ensees
		05/04/90 (90-004)	
	2602	Decommissioning Oversight and Inspection Program	
		Cycle Facilities and Materials Licensees 07/29/08 (0	8-021)
	2604	Licensee Performance Review 06/28/02 (02-024)	
	2620	On-Site Construction Reviews of Remedial Action at	
		Uranium Mill Tailing Sites (Title I, Uranium Mill Tailin	gs Radiation
		Control Act) 10/05/01 (01-020)	
	2630	Mixed Oxide Fuel Fabrication Facility Construction In	nspection
		Program 05/18/05 (05-0013)	
	2635	Reserved for Uranium Enrichment Facility Construct	
		Operational Readiness Review Inspection Programs	
	2641	In-Situ Leach Facilities Inspection Program 08/25/00	
	2681	Physical Protection and Transport of SNM and Irradi	
_	Date: 01/15/09	19 13 ΤΔRI F (OF CONTENTS

Issue Date: 01/15/09 13 TABLE OF CONTENTS

CHAPTER

2681/007	Inspections of Fuel Facilities 09/26/96 (96-020) Inspection of Safeguards Interim Compensatory Measures at Nuclear Fuel Facilities Possessing Strategic Special Nuclear Material (SNMM) 08/08/03 (03-029)
2681/008	Inspection of Safeguards Compensated Measures for Category III Fuel Cycle Facilities 09/18/06 (06-023)
2682	Technical Assistance for Safeguards MC&A Inspections at Fuel Facilities 06/18/84 (84-18)
2683 2690	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 and for 10 CFR Part 71 Transportation Packagings 08/04/08 (08-022)
2960/008	Inspection of Additional Security Measures for Dry Cask Storage at Independent Spent Fuel Storage Installation(s) Located Within the Protected Area of an Operating Reactor Facility 10/17/08 (08-028) (Note: This TI contains safeguards material.)
2690/009	Inspection of Additional Security Measures for Dry Cask Storage at Independent Spent Fuel Storage Installation(s) at an Operating Reactor Facility on the Owner Controlled Area Outside of the Reactor Protected Area 10/17/08 (08-028) (Note: This TI contains safeguards material.)
2960/010	Inspection of Safeguards Compensatory Measures for Dry Cask Storage at Independent Spent Fuel Storage Installation(s) Not Co-Located at an Operating Reactor Facility 10/17/08 (08-028) (Note: This TI contains safeguards material.)
2694	USEC Inc. Gas Centrifuge Facility Construction and Preoperational Readiness Review Inspection Programs 05/16/07 (07-016)
2696	Louisiana Energy Services Gas Centrifuge Facility Construction and Pre-Operational Readiness Review Inspection Programs 10/19/06 (06-028)

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

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

2800 <u>Materials Inspection Program</u>

2800	Materials Inspection Program 09/28/05 (05-027)
2800/030	Verification of the Status of Devices Authorized For Use
	Under a General License 05/30/00 (00-011)
2800/032	Follow-up - Materials Safeguard Advisory 10/31/01 (01-023)
2800/034	Inspection of Panoramic and Underwater Irradiators Additional
	Security Measures 02/12/04 (04-005)
2800/035	Verification of Licensee Responses to NRC Bulletin 2003-04
	Regarding Inventories of Source and Special Nuclear Materials

Issue Date: 01/15/09 14 TABLE OF CONTENTS

CHAPTER

	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	Safety Procedures for Panoramic Irradiators 07/14/05 (05-019) Rev. 1
2800/038	Inspection of the Implementation of Increased Controls for Licensees Authorized to Possess Risk Significant Radioactive Material 03/30/06 (06-008)
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

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

PART

PROCEDURE

3000 Management Meetings

30050	Construction Permit Corporate Management Meeting 04/01/80
	(reactivated 07-034)
30703	Management Meetings - Entrance and Exit Interviews 01/01/82
	(reactivated 08-008)
30800	Initial Management Meeting - Materials Licensees
	10/01/76 (76-26)

31	100	Reserved
	I W.	

3200 Reserved

3300 Reserved

<u>PART</u>

PROCEDURE

3400 Reserved

3500 Quality Assurance

35002	Early Site Permit Pre-Docketing Quality Assurance Controls
25004	Meeting 05/29/03 (03-018)
35004	Pre-Docketing Early Site Permit Quality Assurance Controls Inspection 05/29/03 (03-018)
35005	Pre-Application Quality Assurance Program Audit 10/03/07 (07-
33003	030)
35006	Post-Docketing Early Site Permit Quality Assurance Controls
00000	Inspection 05/29/03 (03-018)
35012	Early Site Permit Quality Assurance Controls Assessment and
	Conclusion 05/29/03 (03-018)
35017	Quality Assurance Implementation Inspection 07/29/08 (08-021)
35020	Inspection of Applicant's Surveillance of Contractor Quality
	Assurance (QA) Activities 06/22/05 (05-016)
35021	Post-Docketing Implementation of Quality Assurance (QA)
	Activities Related to Design, Procurement and Construction
05000	06/22/05 (05-016)
35023	Reserved for Design Reliability Assurance Program
35025	Inspection of COL Holder's Surveillance of Contractor Quality Assurance Activities 10/03/07 (07-030)
35029	Pre-Combined License (COL) Quality Assurance (QA) Inspection
33023	of Site Limited Work Authorization (LWA) 1 & 2 Activities
	06/22/05 (05-016)
35031	Reserved for Design Certification Pre-Meeting
35032	Reserved for Pre-Docketing Design Certification Quality Assurance
	Controls Inspection
35033	Reserved for Post-Docketing Design Certification Quality
	Assurance Controls Inspection
35034	Reserved for Design Qualification Testing Inspection
35060	Licensee Management of QA Activities 04/01/83 (reactivated 07-
05004	032)
35061	In-Depth QA Inspection of Performance 11/19/85 (reactivated 07-
25065	034) Progurament Receiving and Storage 04/01/93
35065	Procurement, Receiving, and Storage 04/01/83 (Reactivated 07-032)
35100	Review of the QA Manual 06/22/05 (05-016)
35101	QA Program Implementation Inspection for Operational Programs
00101	10/03/07 (07-030)
35301	Preoperational Testing - Quality Assurance 08/06/03 (03-028)
35501	QA for the Startup Test Program 01/20/84 (84-04)
35701	Quality Assurance Program Review 09/17/01 (01-017)
35750	QA Program Measuring and Test Equipment 04/14/92 (reactivated
	08-032)

PROCEDURE

	35752 35753 35960 35961 35962	Part 52 - Procurement Control & Receipt, Storage and Handling of Equipment and Materials 10/03/07 (07-030) QA Program - Control of Tests & Measuring and Test Equipment 10/03/07 (07-030) QA Program Evaluation of Engineering Organization 10/01/82 (reactivated 07-034) QA Implementation of Criterion I - Evaluation of Engineering Organization Conducting First-of-a-Kind Engineering 10/03/07 (07-030) Reserved for Part 52 QA Program Evaluation of Engineering Service Organization
3600	Organization	and Administration
	36100 36301 36302 36801	Inspection of 10 CFR Parts 21 and 50.55(e) Programs for Reporting Defects and Noncompliance 10/03/07 (07-030) Operational Staffing 07/01/77 (reactivated 08-032) Part 52. Operational Staffing 08/19/08 (08-024) Organization, Management, and Cost Controls at Permanently Shutdown Reactors 08/11/97 (97-012)
3700	Design, Des	ign Changes, Modifications
	37051 37301 37055 37700 37801 37802 37803	Verification of As-Builts 12/04/87 (reactivated 07-032) Comparison of As-Built Plant to FSAR Description 03/22/85 (reactivated 08-032) Onsite Design Activities 04/01/83 (reactivated 07-032) Design Changes, and Modifications 09/17/01 (01-017) Safety Reviews, Design Changes, and Modifications at Permanently Shutdown Reactors 08/11/97 (97-012) First-of-a-Kind Engineering Inspections 06/22/05 (05-016) Reserved
3800	<u>Procuremen</u>	<u>t</u>
	38703	Commercial Grade Dedication 04/08/96 (96-007)
3900	Records	
	39701	Records Program 09/17/01 (01-017)

4000 Review and Audit

PROCEDURE

	40001 40002 40504 40505 40600 40801	Resolution of Employee Concerns 06/03/97 (97-006) Inspections to Review Allegations 06/28/02 (02-024) Part 52, Identification and Resolution of Construction Problems 10/03/07 (07-030) Reserved for Effectiveness of Process to Identify, Resolve, and Prevent Construction Problems Reserved for Licensee Program for ITAAC Closure Self-Assessment, Auditing, and Corrective Action at Permanently Shutdown Reactors 08/11/97 (97-012)
4100	Training	
	41301	Pre-Licensing Review of Training and Qualification Programs 02/18/87 (reactivated 08-032)
	41500	Training and Qualification Effectiveness 06/13/95 (95-007)
4200	<u>Procedures</u>	
	42001 42051 42401 42453 42454 42700	Emergency Operating Procedures 06/28/91 (91-009) Fire Prevention and Protection 10/01/77 (reactivated 08-004) Reserved for Part 52, Plant Procedures Part 52, Operating Procedures Inspection 08/19/08 (08-024) Part 52, Emergency Procedures 07/29/08 (08-021) Plant Procedures 11/15/95 (95-015)
4300	Vendor Proc	<u>edures</u>
	43001 43002 43003 43004 43005	Reactive Inspection of Nuclear Vendors 10/11/94 (94-018) Routine Inspections of Nuclear Vendors 10/03/07 (07-030) Reactive Inspections of Nuclear Vendors 10/03/07 (07-030) Inspection of Commercial-Grade Dedication Programs 10/03/07 (07-030) NRC Oversight of Third-Party Organizations Implementing Quality Assurance Requirements 10/03/07 (07-030)
4400	Reserved	
4500	<u>Geotechnica</u>	<u>l/Foundation</u>
	45051	Geotechnical/Foundation Activities Procedure Review 05/29/03 (03-018)
	45051.A	Geotechnical/Foundation Activities Procedure Review 03/23/84 (reactivated 08-004)

Issue Date: 01/15/09 18 TABLE OF CONTENTS

PROCEDURE

	45052 45053 45055	Review of Geotechnical and Site Characterization Activities 10/03/07 (07-030) Geotechnical/Foundation Activities Work Observation 03/23/84 (reactivated 07-034) Geotechnical/Foundation Activities Record Review 03/23/84 (reactivated 07-034)
4600	Structural Co	<u>oncrete</u>
	46051	Structural Concrete Procedure Review 07/01/83 (reactivated 07-034)
	46053	Structural Concrete Work Observation 07/01/83 (reactivated 07-034)
	46055 46061 46071	Structural Concrete Record Review 07/01/83 (reactivated 07-034) Structural Masonry Construction 12/17/86 (reactivated 07-034) Concrete Expansion Anchors 12/17/86 (reactivated 07-034)
4700	Containment	: (Post-Tensioning)
4800	Structural St	eel and Supports
	48051	Structural Steel and Supports Procedure Review 12/17/86 (reactivated 07-032)
	48053	Structural Steel and Supports Work Observation 12/17/86 (reactivated 07-032)
	48055	Structural Steel and Supports Record Review 07/01/83 (reactivated 07-032)
4900	Piping	
	49001	Inspection of Erosion/Corrosion Monitoring Programs 12/11/98 (98-019)
	49051	Reactor Coolant Pressure Boundary Piping QA Review 08/16/82 (reactivated 07-032)
	49053	Reactor Coolant Pressure Boundary Piping – Work Observation 11/19/85 (reactivated 07-032)
	49055	Reactor Coolant Pressure Boundary Piping Record Review 08/16/82 (reactivated 07-034)
	49061 49063 49065	Safety-Related Piping 10/01/82 (reactivated 07-034) Piping – Work Observation 11/19/85 (reactivated 07-034) Safety-Related Piping-Records Review 10/01/82 (reactivated 07-034)

PROCEDURE

50001 50002	Steam Generator Replacement Inspection 08/19/08 (08-024) Steam Generators 12/31/96 (96-024)
50003	Pressurizer Replacement Inspection 07/07/05 (05-018)
50051	Reactor Vessels and Internals QA Review 08/16/82 (reactivated 07-034)
50053	Reactor Vessel and Internals Work Observation 08/16/82 (reactivated 07-034)
50054	Reactor Vessel Material Surveillance Program 12/04/08 (CN 08-034)
50055	Reactor Vessel and Internals Record Review 08/16/82 (reactivated 07-034)
50054	Reserved for Reactor Vessel Material Surveillance Program
50071	(Safety-Related Components – Procedure Review 04/01/83 (reactivated 07-034)
50073	Mechanical Components – Work Observation 11/19/85 (reactivated 07-034)
50075	Safety Related Components – Records Review 04/01/83 (reactivated 07-034)
50090 50095 50100	Pipe Support and Restraint Systems 08/06/03 (03-028) Spent Fuel Storage Racks 03/14/94 (reactivated 07-034) Heating, Ventilating, and Air Conditioning Systems 08/06/03 (03-028)

5100 Electrical Components and Systems

51051	Electrical Components and Systems – Procedure Review 03/30/84 (reactivated 07-034)
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)
51063	Electric Cable – Work Observation 11/19/85 (reactivated 07-034)
51065	Electric Cable – Record Review 03/30/84 (reactivated 07-034)
51080	Reserved for Equipment Qualification

5200 <u>Instrumentation Systems and Components</u>

52003	Digital Instrumentation and Control Modification Inspection
	10/31/08 (08-031)
52051	Instrument Components and Systems – Procedure Review
	03/30/84 (reactivated 07-034)
52053	Instrument Components and Systems – Work Observation
	03/30/84 (reactivated 07-034)

PROCEDURE

52055 Instrument Components and Systems – Record Review 03/30/84

(reactivated 07-034)

5300 Containment Penetrations

53051	Containment Penetrations (Mechanical) Procedure Review
	01/27/84 (reactivated 07-034)
53053	Containment Penetrations (Mechanical) Work Observation
	01/27/84 (reactivated 07-034)
53055	Containment Penetrations (Mechanical) Record Review 01/17/84
	(reactivated 07-034)

5400 Cleanliness

5500 Welding

55050	Nuclear Welding General Inspection Procedure 06/20/83 (83-06)
55093	Reactor Vessels Internals (Welding) Observation of Welding and
	Associated Activities 07/01/7 (reactivated 07-034)
55100	Structural Welding General Inspection Procedure 06/20/83 (83-06)
55150	Weld Verification Checklist 06/20/83 (reactivated 07-034)

5600 Calibration

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)

PROCEDURE

5800 Special Processes

5900 Reserve Shutdown System

6000 Fuel Fabrication, Handling and Storage

60501	Fuel Receipt and Storage 04/30/75 (reactivated 08-032)
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 01/16/08 (08-003)
60852	ISFSI Component Fabrication by Outside Fabricators
	01/16/08 (08-003)
60853	On-Site Fabrication of Components and Construction of an
	ISFSI 01/16/08 (08-003)
60854	Preoperational Testing of an Independent Spent Fuel Storage
	Installation 01/16/08 (08-003)
60854.1	Preoperational Testing of Independent Spent Fuel Storage
	Facility Installation at Operating Plants 09/05/06 (06-022)
60855	Operation of an Independent Spent Fuel Storage Installation
	01/16/08 (08-003)
60855.1	Operation of an Independent Spent Fuel Storage Installation at
	Operating Plants 09/05/06 (06-022)
60856	Review of 10 CFR 72.212(b) Evaluations 03/05/08 (08-010)
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 10/24/07 (07-033)
60858	Away-From-Reactor ISFSI Inspection Guidance 05/03/07 (07-015)

6100 Surveillance

61	705	Calibration of Nuclear Instrumentation Systems
		05/12/86 (86-25)
61	706	Core Thermal Power Evaluation 07/14/86 (86-36)
61	707	Determination of Reactor Shutdown Margin 10/11/85 (85-31)
61	708	Isothermal and Moderator Temperature Coefficient Determinations 10/11/85 (85-31)
61	709	Total Power Coefficient of Reactivity at Pressurized Water Reactors 07/14/86 (86-36)
61	710	Control Rod Worth Measurements (PWR) 10/11/85 (85-31)
61	715	Verification of Containment Integrity 12/23/86 (86-60)
61	720	Containment Local Leak Rate Testing 10/03/85 (85-30)

PROCEDURE

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)
62003	Inspection of Steel and Concrete Containments at Nuclear
	Power Plants 06/11/97 (97-008)
62706	Maintenance Rule 12/13/00 (00-028)
62709	Configuration Risk Assessment and Risk Management Process
	12/28/00 (00-029)
62710	Power-Operated Gate Valve Pressure Locking and Thermal
	Binding 01/17/02 (02-001)
62711	Reserved for Operational Reliability Assurance Process"
62708	Motor-Operated Valve Capability 09/12/00 (00-018)
62801	Maintenance and Surveillance at Permanently Shutdown
	Reactors 08/11/97 (97-012)

6300 Construction Testing

63050 Containment Structural Integrity Test 07/01/83 (reactivated 07-034)

6400 Fire Prevention/Protection

64051	Procedures – Fire Prevention/Protection 07/01/79
	(reactivated 07-034)
64053	Fire Loop Installation 07/01/79 (reactivated 07-034)
64102	Reserved for Part 52 Post fire Safe Shutdown, Emergency Lighting
	and Oil Collection Capabilities
64704	Fire Protection Program 06/24/98 (98-010)
64705	Part 52, Fire Protection Operational Program 10/03/07 (07-030)

6500 10 CFR Part 52 ITAAC Inspections

65001	Inspections of Inspections, Tests, Analyses, and Acceptance
	Criteria (ITAAC) Related Work 10/03/07 (07-030)
65001.A	ITAAC Attributes for As-Built Inspection 10/03/07 (07-030)
65001.B	Inspection of the ITAAC-Related Welding Program 08/19/08 (08-024)
65001.C	Inspection of the ITAAC-Related Construction Test Program

Issue Date: 01/15/09 23 TABLE OF CONTENTS

PROCEDURE

65001.E	Inspection of the ITAAC-Related Qualification Program 08/19/08 (08-024)
65001.F	Inspection of the ITAAC-Related Design and Fabrication Requirements 08/19/08 (08-024)
65001.01	Inspection of ITAAC-Related Foundations & Buildings 10/03/07 (07-030)
65001.02	Inspection of ITAAC-Related Installation of Structural Concrete 10/03/07 (07-030)
65001.03	Inspection of ITAAC-Related Installation of Piping 08/19/08 (08-024)
65001.04	Inspection of ITAAC-Related Installation of Pipe Supports and Restraints 04/18/08 (08-012)
65001.05	Inspection of ITAAC-Related Installation of Reactor Pressure Vessel and Internals 08/19/08 (08-024)
65001.06	Inspection of ITAAC-Related Installation o Mechanical Components 04/18/08 (08-012)
65001.07	Inspection of ITAAC-Related Installation of Valves 07/29/08 (08-021)
65001.08	Inspection of ITAAC-Related Installation of Electric Components and Systems 08/19/08 (08-024)
65001.10	Inspection of ITAAC-Related Installation of Instrument Components and Systems 10/20/08 (08-029)
65001.11	Construction Inspection Program Inspection of ITAAC-Related Containment Integrity and Containment Penetration 08/19/08 (08-024)
65001.12	Inspection of ITAAC-Related Installation of Heating, Ventilating, and Air Conditioning Systems 07/29/08 (08-021)
65001.14	Inspection of ITAAC-Related Installation of Complex Systems with Multiple Components 07/29/08 (08-021)
65001.15	Inspection of ITAAC-Related Installation of Fire Protection Equipment 07/01/08 (08-019)
65001.16	Inspection of ITAAC-Related Engineering 10/03/07 (07-030)
65001.18	Inspection of Francisco Engineering 10/03/07 (07-030)
	, , , , , , , , , , , , , , , , , , , ,
65001.19	Inspection of Installation of ITAAC-Related Radiation Monitoring Components and Systems 10/20/08 (08-029)
65051	Low-Level Radioactive Waste Storage Facilities 06/13/86 (reactivated 07-034)

6600 Reserved

6700 Reserved

6800 Reserved

PROCEDURE

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
	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

70300	Preoperational Test Procedure Test Review 10/01/83 (reactivated 08-032)
70301	Overall Preoperational Test Program Review Requirements 10/01/83 (reactivated 08-032)
70302	Preoperational Test Program Implementation 10/01/83 (reactivated 08-032)
70304	Engineered Safety Features Test - Preoperational Test Procedure Review 08/06/03 (03-028)
70305	Reactor Protection System Test Preoperational Test Procedure Review Preoperational Testing Procedure Verification 01/01/79 (reactivated 08-032)
70307	Containment Integrated Leak Rate Test - Procedure Review 03/07/86 (86-13)
70308	Preoperational Hot Functional Testing - PWR Procedure Review) 10/01/83 (reactivated 08-032)
70311	Preoperational Testing Procedure Verification 10/01/83 (reactivated 08-032)
70312	Preoperational Test Witnessing 10/01/83 (reactivated 08-032)
70313	Containment Integrated Leak Rate Test 11/12/85 (85-36)
70314	HFT Witnessing 10/01/81 (reactivated 08-032)
70315	Engineered Safety Features Test Preoperational Test Witnessing) 01/01/79 (reactivated 08-032)

Issue Date: 01/15/09 25 TABLE OF CONTENTS

PROCEDURE

70316	Loss of Offsite Power Test Preoperational Test Witnessing 01/01/79 (reactivated 08-032)
70317	Reactor Protection System Test Preoperational Test Witnessing 01/01/79 (reactivated 08-032)
70323	Containment Leak Rate Test Results Evaluation 10/03/85 (85-30)
70324	Preoperational Test Results Evaluation - Integrated Hot Functional Test 04/01/77 (reactivated 08-032)
70325	Preoperational Test Results Evaluation - Reactor Protection System 01/01/79 (reactivated 08-032)
70326	Preoperational Test Results Evaluation - Loss of Offsite Power 01/01/79 (reactivated 08-032)
70329	Preoperational Test Result Evaluation Verification 10/01/83 (reactivated 08-032)
70362	Reactor Coolant System Hydrostatic Test Procedure Review 10/01/83 (reactivated 08-032)
70367	Reserved for Part 52 Pre-operational Test Program Implementation
70368	Reserved for Part 52 Containment Leak Rate Testing (Programmatic)
70369	Reserved for Part 52 Containment Leak Rate Testing
70370	Testing Piping Support and Restraint Systems 03/07/86 (86-13)
70371	Reserved for Part 52 Testing of Pipe Support and Restraint System
70400	Preoperational Test Results Evaluation 10/01/83 (reactivated 08-032)
70462	Reactor Coolant System Hydrostatic Test - Test Witnessing 10/01/83 (reactivated 08-032)
70562	Reactor Coolant System Hydrostatic Test Results Evaluation 10/01/83 (reactivated 08-032)
70701	Reserved
70702	Reserved

7100 Operations (License & TS Requirements)

71002	License Renewal Inspection 02/18/05 (05-006)
71003	Post-Approval Site Inspection for License Renewal
	10/31/08 (08-031)
71004	Power Up-rate 07/01/08 (08-019)
71007	Reactor Vessel Head Replacement Inspection 06/04/07 (07-018)
71111	Reactor Safety-Initiating Events, Mitigating Systems,
	Barrier Integrity 05/16/08 (08-015)
71111.01	Adverse Weather Protection 05/01/08 (08-013)
71111.04	Equipment Alignment 02/27/07 (07-007)
71111.05AQ	Fire Protection (Annual / Quarterly) 01/31/08 (08-005)
71111.05N	Reserved for Fire Protection - NFPA 805 (Triennial)
71111.05T	Fire Protection (Triennial) 04/21/06 (06-009)
71111.05TT	PFire Protection-NFPA 805 Transition Period [Triennial] 05/09/06
	(05-011)

Issue Date: 01/15/09 26 TABLE OF CONTENTS

PROCEDURE

71111.06	Flood Protection Measures 08/19/08 (08-024)
71111.07	Heat Sink Performance 01/31/08 (08-005)
71111.08	In-service Inspection Activities 10/04/07 (07-031)
71111.11	Licensed Operator Requalification Program 1/05/06 (06-001)
71111.12	Maintenance Effectiveness 01/31/08 (08-005)
71111.13	Maintenance Risk Assessments and Emergent Work Control
	01/31/08 (08-005)
71111.15	Operability Evaluations 01/31/08 (08-005)
71111.17	Evaluations of Changes, Tests, or Experiments and Permanent
	Plant Modifications 10/31/08 (08-031)
71111.18	Plant Modifications 10/31/08 (08-031)
71111.19	Post Maintenance Testing 01/17/02 (02-001)
71111.20	Refueling and Other Outage Activities 01/31/08 (08-005)
71111.21	Component Design Bases Inspection 08/19/08 (08-024)
71111.22	Surveillance Testing 02/27/07 (07-007)
711114	Reactor Safety-Emergency Preparedness 06/29/06 (06-016)
71114.01	Exercise Evaluation 06/29/06 (06-016)
71114.02	Alert and Notification System Testing 06/29/06 (06-016)
71114.02	Emergency Response Organization Augmentation Testing
7 1 1 1 4.00	08/24/07 (07-026)
71114.04	Emergency Action Level and Emergency Plan Changes
-	10/31/08 (08-031)
71114.05	Correction of emergency Preparedness Weaknesses and
	Deficiencies 10/25/06 (06-029)
71114.06	Drill Evaluation 10/25/06 (06-029)
71114.07	Force-On-Force (FOF) Exercise Evaluation 10/04/07 (07-031)
71121	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
	Monitoring Systems 12/18/08 08-036
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 12/10/08 (08-035)
71130.01	Access Authorization 12/10/08 (08-035)
71130.02	Access Control 12/10/08 (08-035)
71130.03	Contingency Response - Force-On-Force Testing
7 1 100.00	01/31/08 (08-004)
71130.04	Equipment Performance, Testing, & Maintenance 12/10/08
	(08-035)
71130.05	Protective Strategy Evaluation 12/10/08 (08-035)
71130.07	Security Training 12/10/08 (08-035)
71130.08	Fitness For Duty Training 12/10/08 (08-035)
Data: 01/15/0	` ,

PROCEDURE

71130.09 71130.11 71150	Owner-Controlled Area Controls 12/10/08 (08-035) Material Control & Accounting (MC&A) 12/10/08 (08-035) Discrepant or Unreported Performance Indicator Data 01/04/07 (07-001)
71151	Performance Indicator Verification 06/28/07 (07-021)
71152	Identification and Resolution of Problems 01/10/08 (08-001)
71153	Followup of Events and Notices of Enforcement Discretion 02/12/08 (08-007)
71302	Preoperational Test Program Implementation Verification 10/01/83 (reactivated 08-032)
71303	Part 52, Technical Specifications Review 10/20/08 (08-029)
71714	Cold Weather Preparations 09/17/01 (01-017)
71715	Sustained Control Room and Plant Observation 04/14/92 (92-004)
71801	Decommissioning Performance and Status Review at Permanently Shutdown Reactors 08/11/97 (97-012)
71841	Human Performance 12/12/00 (00-027)

7200 Startup Testing

72300	Startup Test Procedure Review 01/20/84 (84-04)
72301	Startup Test Results Evaluation 01/20/84 (84-04)
72302	Startup Test Witnessing and Observation 01/20/84(84-04)
72303	Startup Testing for ABWR: Test Procedure Review, Test
	Witnessing, and Test Results Evaluation 09/05/06 (06-021)
72304	Startup Testing for AP 1000: Test Procedure Review, Test
	Witnessing, and Test Results Evaluation 09/05/06 (06-021)
72400B	Overall Startup Test Program 07/01/80 (80-16)
72401	Reserved for Part 52 Overall Setup Test Program
72500B	Initial Fuel Loading Procedure 04/30/75 (75-16)
72501	Reserved for Part 52 Initial Fuel Load Procedure Review
72502B	Initial Criticality Procedure Review (BWR) 04/30/75 (75-16)
72504B	Heat-up Phase Procedure Review 04/30/75 (75-16)
72508B	Power Ascension Procedure Review: HPCI System 07/01/80
	(80-16)
72509B	Power Ascension Procedure Review: Control Rod Drive
	System 07/01/80 (80-16)
72510B	Power Ascension Procedure Review - Relief Valves
	and MSIVs 04/30/75 (75-16)
72512B	Startup Test Procedure Review - RCIC or Recirculation
	Pump Trip 04/30/75 (75-16)
72514B	Startup Test Procedure Review - Turbine Trip/Generator
	Trip 07/01/80 (80-16)
72516B	Startup Test Procedure Review - Shutdown From Outside
	the Control Room (Group A) 07/01/80 (80-16)
72517B	Startup Test Procedure Review: Loss of Offsite Power
	(Group A & B) 07/01/80 (80-16)
72518B	Startup Test Procedure Review - Core Performance

Issue Date: 01/15/09 28 TABLE OF CONTENTS

PROCEDURE

	07/01/90 (90 16)
72524	07/01/80 (80-16) Initial Fuel Loading Witnessing 01/20/84 (84-04)
72525	Reserved for Part 52 Initial Fuel Load Witnessing
72526	BWR Initial Criticality Witnessing 01/20/84 (84-04)
72532	Power Level Plateau Data Review (BWR) 01/20/84 (84-04)
72564B	Pre-critical Test Procedure Review - Protective Trip
723040	Circuit or Rod Drop Measurement 07/01/80 (80-16)
72566B	Pre-critical Test Procedure Review - RES Lead Test or
72300D	or Pressurizer Effectiveness 07/01/80 (80-16)
72570B	Initial Criticality Procedure Review (PWR) 07/01/80 (80-16)
72570B 72572B	Low Power Test Procedures Review Moderator Temperature
120125	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
120100	Circulation or Power Reactivity Coefficient Measurement
	07/01/80 (80-16)
72578B	Power Ascension Test Procedure Review - Evaluation of
. 20. 02	Core Performance 07/01/80 (80-16)
72580B	Power Ascension Test Procedure Review - Turbine Trip
	or Generator Trip 07/01/80 (80-16)
72582B	Power Ascension Test Procedure Review - Loss of Offsite
	Power (Group A) 07/01/80 (80-16)
72583B	Power Ascension Test Procedure Review: Shutdown from
	Outside the Control Room (Group B) 07/01/80 (80-16)
72584B	Power Ascension Test Procedure Review - Evaluation of
	Flux Asymmetry or Pseudo Rod Ejection Test 04/30/75 (75-16)
72592	PWR Initial Criticality Witnessing 01/20/84 (84-04)
72596B	Pre-critical 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
	(80-16)
72616B	Power Level Pl01/14/86 (86-03)
73052	In-service Inspection - Review of Procedures 01/14/86 (86-03)
73053	Pre-service Inspection – Observation of Work and Work Activities
	01/01/79 (reactivated 07-034)
73054	Part 52, Pre-service and In-service Inspection - Review of Program
	07/01/08 (08-019)
73055	Pre-service Inspection Data Review and Evaluation 01/01/79
	(reactivated 07-034)
73753	In-service Inspection 06/24/98 (98-010)
73754	Reserved for Part 52 In-service Inspection - Observation of Work
	and Work Activities
73755	In-service Inspection - Data Review and Evaluation
70770	01/14/86 (86-03)
73756	In-service Testing of Pumps and Valves 07/27/95 (95-009)
73757	Part 52 In-service Inspection - Data Review and Evaluation
	04/18/08 (08-012

<u>PART</u>

PROCEDURE

7400 Reserved 7500 Reserved 7600 Reserved 7700 Reserved 7800 High Level Waste 78010 10 CFR Part 21 Program 09/11/08 (08-026) 7900 Water Chemistry 79501 LWR Water Chemistry Control and Chemical Analysis – Audits 02/24/89 (reactivated 08-032) Plant Systems Affecting Plant Water Chemistry 12/31/91 79502 (reactivated 08-032) Reserved for Part 52 LWR Water Chem. Control & Chem. Analysis 79503 (Pre-Op and Supp) 79504 Reserved for Part 52 Plant systems Affecting Plant Water Chem. Control and monitoring of Radiological Source Term 79702 04/17/00 (00-006) 8000 Environmental Protection 80210 Environmental Protection - Initial and Periodic Inspections 06/22/05 (05-016) 80211 Reserved for Part 52 Environmental Protection - Initial & Periodic Inspection 80521 Radiological Environmental Monitoring (Preoperational and Supplemental) 01/01/84 (reactivated 08-032) Part 52, Radiological Environmental Monitoring Program (REMP) 80522 07/01/08 (08-019) Radiological Environmental Monitoring 09/17/01(01-017) 80721 8100 Physical Security 81001 Independent Spent Fuel Storage Installations 09/17/01 (01-017) Independent Spent Fuel Storage Installation(s) at Operating Plants 81001.1 02/02/04 (04-003)

Issue Date: 01/15/09 30 TABLE OF CONTENTS

PROCEDURE

81018	Physical Security Plan and Implementing Procedures 05/24/07 (07-17)
81019	Reserved for Part 52 Security Plan & Implementing Procedures
81020	Management Effectiveness - Security Program 06/13/07 (07-019)
81021	Reserved for Part 52 Management Effectiveness
81023	Reserved for Part 52 Security Organization
81022	Security Organization 06/13/07 (07-019)
81034	Security Program Audit 09/10/07 (07-027)
81035	Reserved for Part 52 Security Audit Program
81038	Records and Reports 09/10/07 (07-027)
81039	Reserved for Part 52 Records & Reports
81042	Testing and Maintenance 04/12/07 (07-013)
81043	Reserved for Part 52 Testing & Maintenance
81046	Locks, Keys, and Combinations 09/10/07 (07-027)
81047	Reserved for Part 52 Locks, Keys & Combinations
81052	Physical Barriers - Protected Areas 09/10/07 (07-027)
81053	Reserved for Part 52 Physical Barriers - Protected Areas
81054	Physical Barriers - Vital Areas, Material Access Areas, and
01004	Controlled Access Areas 09/10/07 (07-027)
81055	Reserved for Part 52 Physical Barriers - Vital Areas, Material
01000	Access Areas & Controlled Access Areas
81058	Security System Power Supply 09/10/07 (07-027)
81059	Reserved for Part 52 Security System Power Supply
81062	Lighting 09/10/07 (07-027)
81063	Reserved for Part 52 Lighting
81064	Compensatory Measures 09/10/07 (07-027)
81065	Reserved for Part 52 Compensatory Measures
81066	Assessment Aids 09/10/07 (07-027)
81067	Reserved for Part 52 Assessment Aides
81070	Access Control - Personnel 12/22/08 (08-037)
81071	Reserved for Part 52 Access Control - Personnel
81072	Access Control (Power Reactor) - Packages 05/09/84 (84-15)
81073	Access Control (Fuel Facility) - Packages, Material,
01073	and SSNM 05/09/84 (84-15)
81074	Access Control - Vehicles 12/22/08 (08-037)
81075	Reserved for Part 52 Access Control - (Power Reactors) –
01075	Packages
81076	Reserved for Part 52 Access Control - Vehicles
81078	Detection Aids - Protected Areas 05/09/84 (84-15)
81079	Reserved for Part 52 Detection Aids - Protected Areas
81080	Detection Aids – MAA and CAA 12/22/08 (08-037)
81081	Reserved for Part 52 Detection Aids - VA, MAA, & CAA
81084	Alarm Stations 09/10/07 (07-027)
81085	Reserved for Part 52 Alarm Stations
81088	Communications 09/10/07 (07-027)
81089	Reserved for Part 52 Communications
81310	Physical Protection of Shipments of Irradiated Fuel
01010	12/22/08 (08-037)
Deta: 01/15/	,

PROCEDURE

81335	Physical Protection of Shipments of SNM of Moderate
0.10.10	Strategic Significance (MSNM) 02/20/86 (86-09)
81340	Physical Protection of Shipments of SNM of Low Strategic Significance (LSNM) 02/20/86 (86-09)
81360	General Requirements for Physical Protection of Formula
	Quantities of Special Nuclear Material in Transit
	08/20/86 (86-40)
81365	Records, Reports, and Planning for Physical Protection
01000	of Formula Quantities of Special Nuclear Material in
04070	Transit 08/20/86 (86-40)
81370	Specific Requirements for Physical Protection of
	Formula Quantities of Special Nuclear Materials in
	Transit 12/22/08 (08-037)
81402	Reports of Safeguards Events 06/13/85 (85-23)
81411	Physical Protection for Reactors with Formula
	Quantities of Special Nuclear Material 11/04/85 (85-34)
81421	Fixed Site Physical Protection of Special Nuclear Material
	of Moderate Strategic Significance 06/13/85 (85-23)
81431	Fixed Site Physical Protection of Special Nuclear
	Material of Low Strategic Significance 09/17/01 (01-017)
81501	Personnel Training and Qualification - General Requirements
	05/09/84 (84-15)
81502	Fitness for Duty Program 12/22/08 (08-037)
81503	Reserved for Part 52 Personnel Training and Qualification - Gen.
01000	Requirements
81601	Safeguards Contingency Plan - Implementation Review
01001	12/22/08 (08-037)
01600	
81602	Reserved for Part 52 Safeguards Contingency Plan -
04700	Implementation Review
81700	Physical Security Program for Power Reactors
	07/01/97 (97-010)
81810	Protection of Safeguards Information 09/10/07 (07-027)
81811	Reserved for Part 52 Physical Protection Safeguards Information
81815	Authorizations for Access to National Security Information
	(NSI) and Restricted Data (RD) 12/22/08 (08-037)
81820	Physical Protection Facility Approval and Safeguarding
	of National Security Information (NSI) and Restricted
	Data (RD) 12/22/08 (08-037)

8200 Emergency Planning

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)

8300 Radiation Protection

PROCEDURE

83100	Occupational Exposure During SAFSTOR and DECON
83501	12/30/91 (91-022) Significant Uncontrolled Radiation Exposures
83502.01	04/17/00 (00-006) Radioactive Gaseous and Liquid Treatment and Monitoring
83502.02	Systems 04/17/00 (00-006) Radioactive Material Process and Transportation 04/17/00 (00-006)
83502.03	Radiological Environmental Monitoring Program and Radioactive Material Control Program 04/17/00 (00-006)
83521 83522	Radiation Protection - Startup 01/01/84 (84-01) Radiation Protection, Plant Chemistry, Radwaste, and Environmental: Organization and Management Controls 12/31/91
83523	(reactivated 08-032) Radiation Protection, Plant Chemistry, Radwaste, Transportation and Environmental: Training and Qualifications 01/01/84 (reactivated 08-032)
83524	External Occupational Exposure Control and Personal Dosimetry (Preoperational and Supplemental) 01/01/84 (reactivated 08-032)
83525	Internal Exposure Control and Assessment (Preoperational and Supplemental) 01/01/84 (reactivated 08-032)
83526	Control Of Radioactive Materials and Contamination, Surveys, and Monitoring (Preoperational And Supplemental) 01/01/84 (reactivated 08-032)
83527	Facilities and Equipment (Preoperational and Supplemental) 01/01/84 (reactivated 08-032)
83529	Reserved for Part 52 Radiation Protection – Startup
83531	Reserved for Part 52 Radiation Protection, Plant Chemistry, Radwaste, and Environmental
83532	Reserved for Part 52 Radiation Protection, Plant Chemistry, and Radwaste Training
83533	Reserved for Part 52 External Occupational Exposure Control and Personal Dosimetry
83534	Reserved for Part 52 Internal Exposure Control
83535	Reserved for Part 52 Control of Radioactive Materials and Contamination, Surveys, and Monitoring
83536	Reserved for Part 52 Facilities and Equipment
83537	Reserved for Part 52 Maintaining Occupational Exposures ALARA
83722	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	Internal Exposure Control and Assessment 04/17/00 (00-006)
83726	Control of Radioactive Materials and Contamination, Surveys and Monitoring 09/17/01 (01-017)
Date: 01/15/0	, ,

PROCEDURE

83727	Facilities and Equipment (Basic) 09/17/01 (01-017)
83728	Maintaining Occupational Exposures ALARA 04/17/00 (00-006)
83729	Occupational Exposure during Extended Outages 12/31/91 (91-021)
83746	Offsite Dose Calculation Manual (ODCM) 07/29/08 (08-021)
83750	Occupational Radiation Exposure 06/06/02 (02-023)
83801	Inspection of Remedial and Final Surveys at Permanently
	Shutdown Reactors 09/05/06 (06-020)
83822	Radiation Protection 09/07/00 (00-016)
83890	Closeout Inspection and Survey 05/01/03 (03-013)

8400 Radioactive Waste Management

84100	Special Nuclear Material Inspections At Near Surface Low-Level
04404	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)
84522	Solid Wastes (Preoperational and Supplemental) 01/01/84 (reactivated 08-032)
84523	Liquids and Liquid Wastes (Preoperational and Supplemental) 01/01/84 (reactivated 08-032)
84524	Gaseous Waste System (Preoperational and Supplemental) 01/01/84 (reactivated 08-032)
84525	Quality Assurance and Confirmatory Measurements for In-Plant Radiochemical Analysis (Preoperational and Supplemental) 5/23/85 (reactivated 08-032)
84526	Reserved for Part 52 Radwaste – Startup
84527	Part 52, Solid Waste Management System 07/01/08 (08-019)
84528	Reserved for Part 52 Liquid Waste Management System
84529	Reserved for Part 52, Gaseous Waste Management System (Preoperational and Supplemental)
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 12/22/08 (08-037)
84900	Low-Level Radioactive Waste Storage 12/22/08 (08-037)

(Preoperational and Supplemental)

8500 Material Control and Accountability

85102	Material Control and Accounting - Reactors 03/29/85 (85-10)
85103	Reserved for Part 52 Material Control and Accounting - Reactor
85200	MC&A for Licensees Possessing Less Than or Equal to

Issue Date: 01/15/09 34 TABLE OF CONTENTS

PROCEDURE

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

8600 Spent Fuel and Other Radioactive Material Packaging and Shipping

86001	Design, Fabrication, Testing, and Maintenance of
	Transportation Packagings 01/16/08 (08-003)
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 10/30/08 (08-030)
86750	Solid Radioactive Waste Management and Transportation
	of Radioactive Materials 03/15/94 (94-006)

8700 Materials Safety Inspection

PROCEDURE

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 Radiography 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 07/01/08 (08-018)
	. , ,
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 12/06/05 (05-033)
87133	` ', '
0/133	Medical Gamma Sterotactic Radiosurgery and Teletherapy Programs 10/24/02 (02-041)
87134	Medical Broad-Scope Programs 09/28/05 (05-027)
87135	Panoramic and Underwater Irradiator Security Program 10/30/08 (08-030)
87136	Manufacturing and Distribution (M&D) Security Program) 10/30/08 (08-030)
87250	Locating Missing Materials Licensees 10/29/01 (01-022)
87654	Uranium Mill, In-Situ Uranium Recovery, and 11e.(2) Byproduct
0700-	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 10/30/08 (08-030)
88003	Reactive Inspection for Events at Fuel Cycle Facilities
	08/10/98 (98-012)
88004	Reserved for Adverse Weather Protection
88005	Management Organization and Controls 09/05/06 (06-020)
88010	Operator Training/Retraining 09/05/06 (06-020)
88015	Nuclear Criticality Safety Program 09/05/06 (06-020)
88016	Nuclear Criticality Safety Evaluations and Analyses 07/28/06
	(06-019)
88017	Criticality Alarm Systems 07/28/06 (06-019)
88020	Operational Safety 09/05/06 (06-020)
88025	Maintenance and Surveillance Testing 09/25/06 (06-025)
88030	Radiation Protection 07/28/06 (06-019)
_	(/

PROCEDURE

88035	Radioactive Waste Management 09/25/06 (06-025)
88045	Effluent Control and Environmental Protection 09/05/06 (06-020)
88050	Emergency Preparedness 09/05/06 (06-020)
88051	Evaluation of Exercises and Drills 07/28/06 (06-019)
88054	Fire Protection (Triennial) 09/11/08 08-026
88055	Fire Protection (Annual) 08/19/08 (08-024)
88070	Permanent Plant modification 09/05/06 (06-020)
88071	Configuration Management Programmatic Review 07/28/06
00071	(06-019)
88075	Event Follow-up 07/28/06 (06-019)
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
00101	Facilities 07/03/02 (02-026)
88105	Management Organization and Controls 12/30/96 (96-026)
88106	Quality Assurance: Program Development and Implementation
	(Pre-licensing and Construction) 02/07/07 (07-006)
88107	Quality Assurance: Design and Documentation Control (Pre-
	licensing and Construction) 05/18/05 (05-013)
88108	Quality Assurance: Control of Materials, Equipment, and Services
	(Pre-licensing and Construction) 02/07/07 (07-006)
88109	Quality Assurance: Inspection, Test Control, and Control of
	Measuring and Test Equipment (Pre-licensing and Construction)
	06/20/07 (07-020)
88110	Quality Assurance: Problem Identification, Resolution and
	Corrective Action 05/18/05 (05-013)
88111	10 CFR, Part 21, Inspection-Facility Construction 02/07/07 (07-006)
88112	Reserved for Software Validation
88113	Control of the Electronic Management of Data 02/07/07 (07-006)
88114	Quality Affecting Item Procurement (10 CFR Part 21) and
	Commercial Grade Item Dedication Process [Reactive]
	10/25/06 (06-030)
88115	Supplier/Vendor Inspection (Construction Phase)
	10/25/06 (06-030)
88116	Inspection of Safety Function Interfaces for the Mixed Oxide Fuel
	Fabrication Facility (Pre-licensing and Construction) 02/07/07 (07-
	006)
88130	Resident Inspection Program for On-Site Construction Activities at
	the Mixed Oxide Fuel Fabrication Facility 10/25/06 (06-030)
88131	Geotechnical/Foundation Activities 10/25/06 (06-030)
88132	Structural Concrete Activities 10/25/06 (06-030)
88133	Structural Steel and Supports Activities 7/25/07 (07-023)
88134	Quality Assurance: Piping Relied on for Safety) 05/18/05 (05-013)
88135	Resident Inspection Program for Category I Fuel Cycle Facilities
	0925/06 (06-025)
88136	Mechanical Components 7/25/07 (07-023)

PROCEDURE

	TROOLDONL		
	88137	Reserved for Electric Cable	
	88138	Electrical Components and Systems 08/08/07 (07-024)	
88139 Ventilation and Confinement Systems 08/08/07 (07-024)		Ventilation and Confinement Systems 08/08/07 (07-024)	
88140 Reserved for Instrumentation and Controls Systems		Reserved for Instrumentation and Controls Systems	
	88141	Fire Prevention and Protection 08/08/07 (07-024)	
	88142	Underground Fire Water Loop and Equipment Installation 08/08/07 (07-024)	
	88143	Pipe Supports and Restraints 7/25/07 (07-023)	
	88150	Reserved for Training and Qualification of Plant Personnel	
	88151	Reserved for Facility Changes and Change Process (10 CFR70.72)	
	88152	Reserved for Physical Protection Equipment and Barriers	
	88153	Reserved for Material Control and Accounting	
	88154	Reserved for Fire Safety and Protection Systems	
	88155	Reserved for Functional Verifications of IROFS	
	88156	Reserved for Integrated Safety Analysis Implementation	
	88157	Reserved for Waste Management Equipment and Systems	
	88158	Reserved for Environmental Protection - Initial and Periodic Inspections	
	88159	Reserved for Process Enclosures and Vessels	
	88160	Reserved for Utilities and Bulk Chemicals	
8900	Fuel Facility	and Materials Special Program	
	89001	In-Situ Leach (ISL) Facilities 09/02/97 (97-013)	
9000	000 Reportable Matters and Report Reviews		
	90001	Reserved for Limited Expanded Program Review Inspection	
	90002	Reserved for Expanded Program Review Inspection	
	90003	Reserved for Unacceptable Performance Inspection	
	90501B	Reportable Matters - Startup Test Program 04/30/75 (75-16)	
	90502	Reserved for Part 52 Reportable Matters - Test Program	

Reserved for Part 52 Reportable Matters - Test Program 90502 Feedback of Operational Experience Information at Operating 90700

Power Reactors 03/23/05 (05-008)

In-office Review of Written Reports of Non-routine Events at Power 90712

Reactor Facilities 12/31/98 (98-020)

In Office Review of Periodic and Special Reports 09/17/01 (01-017) 90713

Nonroutine Reporting Program 09/17/01 (01-017) 90714

9100 Title 10 Requirements

9200 Planned Non-Routine Activities

92050 Review of Quality Assurance for Extended Construction

Delay 04/04/00 (00-005)

Issue Date: 01/15/09 38 TABLE OF CONTENTS

PROCEDURE

92700 92701 92702	Onsite Follow-up of Written Reports of Non-routine Events at Power Reactor Facilities 12/31/98 (98-020) Follow-up 03/13/07 (07-010) Follow-up on Traditional Enforcement Actions Including Violations, Deviations, Confirmatory Action Letters, Confirmatory Orders, and Alternative Dispute Resolution Confirmatory Orders 01/10/08 (08-
	001)
92703	Follow-up 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 Operations After a Strike 08/21/92 (92-010)
92714	Reserved for Part 52 Follow-up
92720	Corrective Action 09/28/98 (reactivated 07-034)
92721	Reserved for Part 52 Follow-up on Corrective Actions for Violations and Deviations
92901	Follow-up - Plant Operations 09/17/01 (01-017)
92902	Follow-up - Maintenance 09/17/01 (01-017)
92903	Follow-up - Engineering 09/17/01 (01-017)
92904	Follow-up - Plant Support 09/17/01 (01-017)

9300 Non-Routine Activities

93001	OHSA Interface Activities 02/11/04 (04-006)		
93702	Prompt Onsite R	esponse to Events	at Operating Power
	Reactors 09/17/0)1 (01-017)	
93800	Augmented Inspection Team 07/25/08 (08-020)		
93801	Safety System Functional Inspection (SSFI) 07/25/96 (96-016)		
93802	Operational Safety Team Inspection (OSTI) 11/27/89 (89-015)		
93803	Safety Systems Outage Modifications Inspection 04/27/89 (89-008)		
93804	Risk-Based Operational Safety and Performance Inspection 01/15/92 (92-001		
93805	Maintenance Program 08/06/93 (93-070)		
93806	Operational Read 09/29/98 (98-015		t Team Inspections
93807	Systems Based 01/29/93 (93-001		d Control Inspection
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	n 07/25/08 (08-02	0)
Date: 01/15/0	a	30	TABLE OF CONTENTS

Issue Date: 01/15/09 39 TABLE OF CONTENTS

PROCEDURE

93813 Reserved for Part 52 Operational Readiness Assessment Team

Inspection

9400 Technical Activities of an Administrative Nature

94300 Status of Plant Readiness for an Operating Licensee 02/14/86

(Reactivated 07-034)

94301 Reserved for Part 52 Status of 10 CFR 52 Plant Readiness for Fuel

Load

9500 Strategic Determination Actions

95001	Inspection for One or Two White Inputs in a Strategic
	Performance Area 10/16/06 (06-027)
95002	Inspection for One Degraded Cornerstone or Any three White
	Inputs in a Strategic Performance Area 10/16/06 (06-027)
95003	Inspection for Repetitive Degraded Cornerstones, Multiple
	Degraded Cornerstones, Multiple Yellow Inputs, or One
	Red Input 01/15/09 (09-002)
95003.01	Emergency Preparedness 01/15/09 (09-002)

95003.02 Guidance for Conducting an Independent NRC Safety Culture

Assessment) 01/15/09 (09-002)

9600 Materials Safety and Security

96001 Contingency Response – Annual Force-On-Force Testing Category

1 Fuel Cycle Facilities 02/14/06 (06-003)

9700 Reserved

9800 Reserved

10 CFR GUIDANCE

9900 Guidance²

99000 Technical Guidance 05/12/86 (86-26)

Technical Guidance

ASME Section III	American Society of Mechanical Engineers ASME Boiler and Pressure Vessel Code, Section III 06/16/89 (89-011)
ASME Section III	American Society of Mechanical Engineers ASME Boiler and & XI Pressure Vessel Code, Section III & XI 11/12/96 (96-022)
ASME Section 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)
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 3.0	Acceptable Measurement Tolerances for Technical Specification Limits 10/01/78 (78-35)
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 4.8.1.1.2	Surveillance Testing of Diesel Generator Lockout Feature 05/12/86 (86-26)

 $^{^2\}mbox{[XXXX.XX]}$ attached to each document in Part 9900, is the file name for that document.

Issue Date: 01/15/09 41 TABLE OF CONTENTS

10 CFR GUIDANCE

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

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]

Operability Determinations & Functionality Assessments for

Resolution of Degraded or Nonconforming Conditions Adverse to

Quality or Safety 04/16/08 (08-016) [TG STSODP]

10 CFR GUIDANCE

Operation - Safety and Compliance [TG 9900 SAFETY] 09/11/07 (07-028)

10 CFR GUIDANCE

PART

10 CFR GUIDANCE

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

10CFR71 and

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

50.55(e) Construction Deficiency Reporting 01/31/89 (89-002)

50.55a Codes and Standards 02/22/73 (73-9)

50.59 10 CFR 50.59, Changes, Tests, and Experiments

03/13/01 (01-008) [50_59.CFR]

Part 50, App A Definition of Leak-Before-Break Analysis 09/26/96 (96-020)

Part 50 Appendix J, Containment Integrated Leak Rate Testing

12/08/86 (86-54)

70.51 Material Balance, Inventory, and Records Requirements

12/19/74 (74-11)

70.52 Report of Accidental Criticality or Loss of Special Nuclear

Material 11/15/74 (74-010)

Interpretations

END