TABLE OF CONTENTS

Table of Contents Current through Change Notice 08-023 issued 08/05/08

PART

CHAPTER

0000 NRC Inspection Manual¹

0030	Policy and Guidance for Development of NRC Inspection
	Manual Programs 04/30/97 (97-005)
0040	Preparing, Revising, and Issuing Documents for the NRC
	Inspection Manual 06/20/07 (07-020)

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)
0303	Item Reporting 11/30/99 (99-019)
0305	Operating Reactor Assessment Program 11/27/07 (07-036)
0306	Information Technology Support for the Reactor Oversight
	Process 04/04/07 (07-012)

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.

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	ROP Realignment Process 01/25/07 (07-003)
0308	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	,
	10/16/06 (06-027)
0308, Att 3	,
	10/16/06 (06-027)
0308. Att 3.	App A Technical Basis for At Power Significance Determination
, , , , , , , , , , , , , , , , , , ,	11/08/07 (07-035)
0308 Att 3	App B Technical Basis for Emergency Preparedness Significance
0000, 7 0,	Determination Process 07/28/05 (05-022)
0308 Att 3	App C Technical Basis for Occupational Radiation Safety
0000, 7 ttt 0,	Significance Determination Process 07/28/05 (05-022)
0308 Att 3	App D Technical Basis for Public Radiation Safety
0000, 7 ttt 0,	Significance Determination Process 07/27/04 (04-020)
0308 Att 3	App F Technical Basis for Fire Protection Significance
0000, 7 ttt 0,	Determination Process [IMC 0609, Appendix F] At Power
	Operations 02/28/05 (05-007)
0308 Att 3	App G Technical Basis for Shutdown Operations Significance
0000, 7111 0,	Determination Process 02/28/05 (05-007)
0308 Att 3	App H Technical Basis for Containment Integrity Significance
0000, 7111 0,	Determination Process 05/06/04 (04-010)
0308 Att 3	App I Technical Basis for Operator Requalification Human
0000, 7 ttt 0,	Performance Significance Determination Process
	07/28/05 (05-022)
0308 Att 3	App J Technical Basis for Steam Generator Tube Integrity Findings
0000, 7 ttt 0,	Significance Determination Process 05/06/04 (04-010)
0308 Att 3	App K Technical Basis for Maintenance Risk Assessment and Risk
0000, 7 ttt 0,	Management SDP 05/19/05 (05-014)
0308, Att 4	Technical Basis for Assessment 07/28/05 (05-022)
0308, Att 5	Technical Basis for Enforcement 10/16/06 (06-027)
0309	Reactive Inspection Decision Basis for Reactors 01/10/08 (08-002
0312	Technical Assistance for Radiation Safety Inspections at Nuclear
0012	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
0020	07/01/08 (08-018)
0330	Guidance for NRC Review of Licensee Draft Documents 07/08/96
	(96-015)
0350	Oversight of Operating Reactor Facilities in a Shutdown Condition
	With Performance Problems 12/15/06 (06-035)

CHAPTER

0400 Enforcement Policy

0500 Tracking Systems

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

0608	Performance Indicator Program 02/27/07 (07-007)
0609	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 App A	Determining the Significance of Reactor Inspection Findings for At-
	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
	Process 12/16/03 (03-041)
0609 App D	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 I	Part I Baseline Physical Protection Significance
	Determination Process 09/25/06 (06-025)
0609 App E I	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
0000 4 5	Protection Program Elements 02/28/05 (05-007)
0609, App F,	Att 3 Guidance for Identifying Fire Growth and Damage Scenarios
0000 4 5	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
0000 455 5	(05-007)
0009, App F,	Att 5 Characterizing Non-Simple Fire Ignition Sources 02/28/05

0609, App F, Att 7 Guidance for Fire Growth and Damage Time Analysis Issue Date: 08/05/08 3 TABLE OF CONTENTS

and Damage Criteria 02/28/05 (05-007)

0609, App F, Att 6 Guidance for the Identification of Targets and Their Ignition

(05-007)

CHAPTER

	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)
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)
0609 App M	Significance Determination Process Using Qualitative Criteria
	12/22/06 (06-036)
0610	Inspection Reports 05/18/04 (04-014)
0612	Power Reactor Inspection Reports 09/20/07 (07-029)
	Standard Reactor Inspection Report Outline 09/30/05 (05-028)
	Inspection Report Documentation Matrix 09/30/05 (05-028)
	Sample Reactor Inspection Report 09/30/05 (05-028)
	Sample Cover Letters 09/20/07 (07-029)
	List of Acronyms Used in IMC 0612 09/30/05 (05-028)
	Issue Screening 09/20/07 (07-029)
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)
	Examples of Minor Issues 09/20/07 (07-029)
• •	Examples of Cross-cutting Aspects 06/22/06 (06-015)
0613	Reserved for 10 CFR Part 52 Licensed Power Reactor
	Construction and Test Inspection Reports
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
	(08-021)
0617	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)

<u>PART</u>

CHAPTER

0700	00 Communications With Licensees			
	0730	Generic Communications Re Issues 03/21/08 (08-011)	garding Mater	als and Fuel Cycle
0800	Feedback - II	mproving the Regulatory Proc	<u>ess</u>	
	0801 0802	Reactor Oversight Process F Reserved for the Part 52 Pro		ram 07/01/08 (08-019)
0900	Reporting of	Events/Incidents		
	0970	Potentially Generic Question 12/11/00 (00-024)	s Identified by	Regional Offices
1000 Regional Office Program Interfaces				
	1007	Interfacing Activities Between OSHA 02/11/04 (04-006)	n Regional Offi	ces of NRC and
1100	Notifications	of Meetings and Conferences		
	1120	Preliminary Notifications 06/2	22/06 (06-014)	
1200	Inspector Requirements			
	1201 1202 1220	Conduct of Employees 06/29 Senior Resident Inspector Sir Processing of NRC Form 24' In Non-Agreement States," A Jurisdiction and Offshore Wa State Licensees Operating U 05/01/03 (03-013)	te Turnover 08 1, "Report of P reas of Exclus ters, and Inspe	roposed Activities ive Federal ection of Agreement
	1220, App I	Procedures and Guidelines for 05/01/03 (03-013)	or Processing	NRC Form 241
	1220, App II	Procedures Letter to be Sent Information for Filing NRC Fo		
	0220, App III	Inspection of Agreement Stat		•
	1230	Quality Assurance Program f Measurements 10/01/83 (83-	or Radiologica	,
	1232	Collection, Preparation, and Measurement Samples 11/18	Shipment of In	dependent
_	1240	Unescorted Access at Power		` ,
Issue	Date: 08/05/0	8 5	7	ABLE OF CONTENTS

CHAPTER

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)	
	Basic-level Training and Certification Journal 01/10/08 (08-001)	
	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	0 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. 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 04/21/06 (04-009)	
Sec. IV	Fuel Cycle Safeguards Inspector Physical Security 01/05/01 (01-002)	
Sec. V	NMSS Headquarters Fuel Cycle Safeguards Inspector Material Control and Accounting 01/05/01 (01-002)	
Sec. VI	NMSS Spent Fuel Project Office Qualification Journal 05/25/06 (06-013)	
Sec. VII	Fuel Cycle License Reviewer 01/05/01 (01-002)	
Sec. VIII	Waste Management Inspectors and License Réviewers 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	

Issue Date: 08/05/08 6 TABLE OF CONTENTS

<u>PART</u>

CHAPTER

	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
000.711	02/11/04 (04-006)
1246 App B	NRC Inspector, License Reviewer and Project
12-10 / lpp B	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
OCC. IV	01/05/01 (01-002)
Sec. V	NMSS Headquarters Fuel cycle Safeguards Inspector Material
Sec. v	· · · · · · · · · · · · · · · · · · ·
Coo \/I	Control and Accounting (MC&A) 01/05/01 (01-002)
Sec. VI	NMSS Headquarters Transportation Packaging and Dry Storage
Caa \/!!	System Safety Inspector 01/05/01 (01-002)
Sec. VIII	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
	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	Technical Reviewer Qualification Journal Byproduct Material
000.711	Sealed Source and Device Reviewers 02/11/04 (04-006)
1247	Reserved for Qualification Program for the Inspectors of Fuel
1271	Facilities in the Nuclear Material Safety and Safeguards Program
	Area
1252	Construction Inspector Training and Qualification Program 02/06/07
1232	(07-005)
1252 App A	Construction Inspector Basic-Level Training and Certification
1232 App A	· · · · · · · · · · · · · · · · · · ·
1050 Amm D	Journal 02/06/07 (07-005)
1292 App B	Construction Inspector General Proficiency-Level Training and
1050 4 0	Qualification Journal 02/06/07 (07-005)
1252 App C	Construction Inspector Technical Proficiency-Level Training and
	Qualification Journal 02/06/07 (07-005)

<u>PART</u>

CHAPTER

1300	Incident Response	
	1301	Response to Non-Emergency Incidents Involving Radioactive Material 10/20/00 (00-022)
	1302	Action Levels for Radiation Exposures and Contamination Associated with Materials Events Involving Members of the Public 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)
1400	Reserved	
	1415	State Contracts for Environmental Monitoring 06/28/91 (91-009)
1500	Reserved	
1600	Emergency Preparedness	
	1601	Communication Protocol for Assessing Offsite Emergency Preparedness Following a Natural Disaster 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)

Fower Reactors 02/19/04 (04-007)

Issue Date: 08/05/08 8 TABLE OF CONTENTS

2300

2400

2500

CHAPTER

<u> </u>	
2201/002	Inspection of Transition of Contract Security to Proprietary Security Force 02/12/08 (08-007)
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)
	Generic, Special, and Infrequent Inspections 02/19/04 (04-007)
2201 App D 2201/001	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 Ap	pp B Inspection Requirements and Guidance for Handling and Protection of Safeguards Information - Modified Handling 09/18/06
2201/001 Ar	(06-024) op C Radioactive Material Quantities of Concern Security
,	Inspection Record 09/18/06 (06-024)
High Level V	<u>Vaste</u>
2300	Reserved for Yucca Mountain Inspection Program
	·
low Level W	Vaste Program
LOW LEVEL V	vaste i rogram
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)
2410	Conduct of Observation Addits of 12/00 (00-012)
Reactor Insp	pection Program
2501	Construction Inspection Program: Early Site Permit (ESP)
0.500	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,
0504	Analyses, and Acceptance Criteria (ITAAC) 10/03/07 (07-030)
2504	Construction Inspection Program - Non-ITAAC Inspections 10/03/07 (07-030)
2505	Reserved
2507	Construction Inspection Program: Vendor Inspections 10/03/07 (07-

Construction Inspection Program: Design Certification 10/03/07

Light Water Reactor Inspection Program - Construction Phase

Browns Ferry Unit 1 Restart Project Inspection Program

12/17/86 (reactivated 07-032)

09/08/03 (03-032)

030)

(07-030)

2508

2509

2512

<u>PART</u>

CHAPTER

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
2512/019	07/13/92 (reactivated 08-004) Inspection of Watts Bar Nuclear Plant Design Baseline Corrective
2512/020	Action Program Plan 07/13/92 (reactivated 08-004) Inspection of Watts Bar Nuclear Plant Electrical Issues Corrective
2512/021	Action Program Plan 07/13/92 (reactivated 08-004) Inspection of Watts Bar Nuclear Plant Equipment Seismic
2512/022	Corrective Action Program Plan 07/13/92 (reactivated 08-004) 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)
2512/027	Inspection of Watts Bar Nuclear Plant Piece Parts/Procurement 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 Action Program Plan 07/13/92 (reactivated 08-004)
2512/031	Inspection of Watts Bar Nuclear Plant Vendor Information Corrective Action Program Plan 07/13/92 (reactivated 08-004)
2512/032	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 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 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)

CHAPTER

2512/038	Inspection of Watts Bar Nuclear Plant Mechanical Equipment
0540/000	Qualification Special Program 07/13/92 (reactivated 08-004)
2512/039	Inspection of Watts Bar Nuclear Plant Microbe Induced Corrosion
2512/040	Special Program 07/13/92 (reactivated 08-004)
2512/040	Inspection of Watts Bar Nuclear Plant Moderate Energy Line Break
2512/041	Special Program 07/13/92 (reactivated 08-004) Inspection of Watts Bar Nuclear Plant Radiation Monitoring System
2312/041	Special Program 07/13/92 (reactivated 08-004)
2512/042	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
2012/010	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 (reactivated 08-
	023)
2513 App A	Light Water Reactor – Preoperational Testing Phase 08/05/08
	(reactivated 08-023)
2513 App B	Light Water Reactor – Operational Preparedness Phase 08/05/08
	(reactivated 08-023)
2514 Light	Water Reactor Inspection Program - Startup
0544	Testing Phase 08/21/89 (89-013)
	Startup Test Program Inspection Procedures 04/15/94 (94-018)
2515	Light Water Inspection Program - Operations Phase 05/01/08 (08-014)
2515 Ann A	Risk-Informed Baseline Inspection Program 05/01/08 (08-014)
	Supplemental Inspection Program 01/26/07 (07-004)
2515 App C	
_0.07.66	01/10/08 (08-001)
2515 App D	Plant Status 05/01/08 (08-014)
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
0545/455	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
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
_0.0/100	Human Actions 06/14/04 (04-017)

CHAPTER

	Affecting Safety-Related Equipment 07/29/04 (04-021)
2515/162	Safeguards Information 04/13/05 (05-010)
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)
2515/166	Pressurized Water Reactor Containment Sump Blockage [NRC
	Rev. 1 Generic Letter 2004-02] 05/16/07 (07-016)
2515/168	Closeout Inspection of Nuclear Reactor Safeguards Interim
	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-
2313/172	009)
2515/173	Review of the Implementation of the Industry Ground Water
2010/170	Protection Voluntary Initiative 05/29/08 (08-016)
2515/174	
	Hydrogen Igniter Backup Power Verification 02/12/08 (08-007)
2515/175	Emergency Response Organization, Drill/Exercise Performance 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
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)
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
_551,551	Compensatory Measures at Decommissioning Power Reactors
	04/22/03 (03-011)
	07/22/00 (00 011)

2600 Fuel Cycle Facility Inspection Program

2600	Fuel Cycle Facility Operational Safety and Safeguards Inspection
	Program 03/21/08 (08-011)
2600, App A	Guidance For Conducting Fuel Cycle Inspections 08/15/07 (07-025)
2600, App B	NRC Core Inspection RequirementsTables 1 and 2 08/15/07
	03/21/08 (08-011)
2600, App C	Fuel Cycle Resident Inspection Program 08/15/07 (07-025)
0000 4	E 10 1 E 111 1 11 11 11 11 11 11 11 11 11 11

2600, App D Fuel Cycle Facility Inspection Planning 03/21/08 (08-011)
Issue Date: 08/05/08 12 TABLE OF CONTENTS

CHAPTER

2600/008	Inspection Guidance and Requirements for Interim Compensatory Measures (ICMs) at the Honeywell Conversion Plant, Metropolis,
	Illinois 07/11/02 (02-028)
2600/009	Inspection of Interim Compensatory Measures (ICMs) At Gaseous Diffusion Plants (GDP) 06/05/03 (03-019)
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 07/29/08 (08-021)
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)
2635	Reserved for Uranium Enrichment Facility Construction and Pre- Operational Readiness Review Inspection Programs
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 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	MC&A Safeguards Inspection of Fuel Facilities 07/22/99 (99-011)
2690	Inspection Program for Dry Storage of Spent Reactor Fuel at Independent Spent Fuel Storage Installations and for
2960/008	10 CFR Part 71 Transportation Packagings 08/04/08 (08-022) 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
2690/009	Inspection of Additional Security Measures for Dry Cask Storage at Independent Spent Fuel Storage Installations(s) at an Operating Reactor Facility on the Owner Controlled Area Outside of the Reactor Protected Area
2960/010	Inspection of Additional Security measures for Dry Cask Storage at Independent Spent Fuel Storage Installation(s) Not Co-Located at an Operating Reactor Facility
2694	USEC Inc. Gas Centrifuge Facility Construction and Preoperational Readiness Review Inspection Programs 05/16/07 (07-016)

CHAPTER

2696 Louisiana Energy Services Gas Centrifuge Facility Construction

and Pre-Operational Readiness Review Inspection Programs

10/19/06 (06-028)

2700 Licensee Contractor and Vendor Inspection Program

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

2800 Materials Inspection Program

2800	Materials Inspection Program 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	Followup - 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
	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
0004	Material 03/30/06 (06-008)
2801	Uranium Mill 11e.(2) Byproduct Material Disposal Site and Facility
0040	Inspection Program 08/25/00 (00-014)
2810	Master Materials License Inspection Program
0045	09/15/03 (03-034)
2815	Construction and Preoperational Inspection of Panoramic,
0000	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 <u>Performance Appraisal Program</u>

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

PART

PROCEDURE

Issue Date: 08/05/08 14 TABLE OF CONTENTS

CHAPTER

3000	<u>Managemen</u>	nt Meetings
	30050	Construction Permit Corporate Management Meeting 04/01/80
	30703	(reactivated 07-034) Management Meetings - Entrance and Exit Interviews 01/01/82 (reactivated 08-008)
	30800	Initial Management Meeting - Materials Licensees 10/01/76 (76-26)
3100	Reserved	
3200	Reserved	
3300	Reserved	
3400	Reserved	
3500	Quality Assu	<u>irance</u>
	35002	Early Site Permit Pre-Docketing Quality Assurance Controls
	35004	Meeting 05/29/03 (03-018) Pre-Docketing Early Site Permit Quality Assurance Controls
	35005	Inspection 05/29/03 (03-018) Pre-Application Quality Assurance Program Audit 10/03/07 (07-030)
	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)
	35017 35020	Quality Assurance Implementation Inspection 07/29/08 (08-021) 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 06/22/05 (05-016)
	35023 35025	Reserved for Design Reliability Assurance Program 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 of Site Limited Work Authorization (LWA) 1 & 2 Activities 06/22/05 (05-016)
	35031	Reserved for Design Certification Pre-Meeting
Issue	Date: 08/05/0	

PROCEDURE

	PROCEDURE		
	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 07-032)	
	35061	In-Depth QA Inspection of Performance 11/19/85 (reactivated 07-034)	
	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 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)	
	35752	Part 52 - Procurement Control & Receipt, Storage and Handling of Equipment and Materials 10/03/07 (07-030)	
	35753	QA Program - Control of Tests & Measuring and Test Equipment	
		10/03/07 (07-030)	
	35960	QA Program Evaluation of Engineering Organization 10/01/82 (reactivated 07-034)	
	35961	QA Implementation of Criterion I - Evaluation of Engineering Organization Conducting First-of-a-Kind Engineering 10/03/07 (07-030)	
	35962	Reserved for Part 52 QA Program Evaluation of Engineering Service Organization	
C	Organization	and Administration	
	36100	Inspection of 10 CFR Parts 21 and 50.55(e) Programs for	

3600

36100	Inspection of 10 CFR Parts 21 and 50.55(e) Programs for
	Reporting Defects and Noncompliance 10/03/07 (07-030)
36302	Reserved for Part 52 Operational Staffing
36800	Organization 09/17/01 (01-017)
36801	Organization, Management, and Cost Controls at Permanently
	Shutdown Reactors 08/11/97 (97-012)

3700 Design, Design Changes, Modifications

37001	10 CFR 50.59 Safety Evaluation Program 06/24/98 (98-010)
37051	Verification of As-Builts 12/04/87 (reactivated 07-032)
37550	Engineering 11/15/99 (99-018)
37551	Onsite Engineering 06/24/98 (98-010)
37055	Onsite Design Activities 04/01/83 (reactivated 07-032)
37700	Design Changes, and Modifications 09/17/01 (01-017)

PROCEDURE

	37801 37802 37803	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	Procurement	
2000	38703	Commercial Grade Dedication 04/08/96 (96-007)
3900	<u>Records</u> 39701	Records Program 09/17/01 (01-017)
4000	0 Review and Audit	
	40001 40002 40500	Resolution of Employee Concerns 06/03/97 (97-006) Inspections to Review Allegations 06/28/02 (02-024) Effectiveness of Licensee Process to Identify, Resolve, and Prevent Problems 05/03/99 (99-008)
	40504	Part 52, Identification and Resolution of Construction Problems 10/03/07 (07-030)
	40505 40600	Reserved for Effectiveness of Process to Identify, Resolve, and Prevent Construction Problems Reserved for Licenses Program for ITAAC Closure
	40801	Reserved for Licensee Program for ITAAC Closure 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	<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 Reserved for Part 52, Operating Procedures Inspection Part 52, Emergency Procedures 07/29/08 (08-021) Plant Procedures 11/15/95 (95-015)

4300 <u>Vendor Procedures</u>

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

Issue Date: 08/05/08 17 TABLE OF CONTENTS

PROCEDURE

43002	Routine Inspections of Nuclear Vendors 10/03/07 (07-030)
43003	Reactive Inspections of Nuclear Vendors 10/03/07 (07-030)
43004	Inspection of Commercial-Grade Dedication Programs 10/03/07 (07-030)
43005	NRC Oversight of Third-Party Organizations Implementing Quality Assurance Requirements 10/03/07 (07-030)

4400 Reserved

4500 Geotechnical/Foundation

45051	Geotechnical/Foundation Activities Procedure Review 05/29/03 (03-018)
45051.A	Geotechnical/Foundation Activities Procedure Review 03/23/84 (reactivated 08-004)
45052	Review of Geotechnical and Site Characterization Activities 10/03/07 (07-030)
45053	Geotechnical/Foundation Activities Work Observation 03/23/84 (reactivated 07-034)
45055	Geotechnical/Foundation Activities Record Review 03/23/84 (reactivated 07-034)

4600 Structural Concrete

46051	Structural Concrete Procedure Review 07/01/83 (reactivated 07-034)
40050	,
46053	Structural Concrete Work Observation 07/01/83 (reactivated 07-
	034)
46055	Structural Concrete Record Review 07/01/83 (reactivated 07-034)
46061	Structural Masonry Construction 12/17/86 (reactivated 07-034)
46071	Concrete Expansion Anchors 12/17/86 (reactivated 07-034)

4700 Containment (Post-Tensioning)

4800 Structural Steel 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

PROCEDURE

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	Safety-Related Piping 10/01/82 (reactivated 07-034)
49063	Piping – Work Observation 11/19/85 (reactivated 07-034)
49065	Safety-Related Piping-Records Review 10/01/82 (reactivated 07-034)

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)
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)
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	Pipe Support and Restraint Systems 08/06/03 (03-028)
50095	Spent Fuel Storage Racks 03/14/94 (reactivated 07-034)
50100	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 51063	Electrical Cable - Procedure Review 08/06/03 (03-028) Electric Cable – Work Observation 11/19/85 (reactivated 07-034)

Issue Date: 08/05/08 19 TABLE OF CONTENTS

PROCEDURE

	51065 51080	Electric Cable – Record Review 03/30/84 (reactivated 07-034) Reserved for Equipment Qualification
5200	Instrumentat	tion Systems and Components
	52001 52002	Digital Retrofits Receiving Prior Approval 03/02/98 (98-003) Digital Retrofits Not Receiving Prior Approval 03/02/98 (98-003)
	52051	Instrument Components and Systems – Procedure Review
	52053	03/30/84 (reactivated 07-034) Instrument Components and Systems – Work Observation 03/30/84 (reactivated 07-034)
	52055	Instrument Components and Systems – Record Review 03/30/84 (reactivated 07-034)
53	00 <u>Containn</u>	nent Penetrations
	53051	Containment Penetrations (Mechanical) Procedure Review
	53053	01/27/84 (reactivated 07-034) 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 55093	Nuclear Welding General Inspection Procedure 06/20/83 (83-06) Reactor Vessels Internals (Welding) Observation of Welding and Associated Activities 07/01/7 (reactivated 07-034)
	55100 55150	Structural Welding General Inspection Procedure 06/20/83 (83-06) Weld Verification Checklist 06/20/83 (reactivated 07-034)
5600	Calibration	
	56700	Calibration 03/23/05 (05-008)
5700	Nondestruct	ive Examination, Destructive Examination and Fabrication Testing
Issue	57050 57060 Date: 08/05/0	Visual Testing Examination 03/09/99 (99-003) Liquid Penetrant Testing Examination 03/09/99 (99-003) TABLE OF CONTENTS

PROCEDURE

	57070 57080 57090	Magnetic Particle Testing Examination 03/09/99 (99-003) Ultrasonic Testing Examination 03/09/99 (99-003) Nondestructive Examination Procedure Radiographic Examination Procedure Review/Work Observation/Record Review 06/14/93 (93-005)
5800	Special Proc	<u>esses</u>
5900	Reserve Shu	utdown System
6000	Fuel Fabrica	tion, Handling and Storage
	60705	Preparation for Refueling 07/27/95 (95-009)
	60710	Refueling Activities 07/27/95 (95-009)
	60801	Spent Fuel Pool Safety at Permanently Shutdown Reactors 08/11/97 (97-012)
	60851	Design Control of ISFSI Components 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
	60855	Facility Installation at Operating Plants 09/05/06 (06-022) 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
	60857	02/02/04 (04-003) 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	
	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
Issue	Date: 08/05/0	

PROCEDURE

61710	Water Reactors 07/14/86 (86-36) Control Rod Worth Measurements (PWR) 10/11/85
	(85-31)
61715	Verification of Containment Integrity 12/23/86 (86-60)
61720	Containment Local Leak Rate Testing 10/03/85 (85-30)
61726	Surveillance Observations 06/24/98 (98-010)
61728	Independent Measurement of RCS Leak Rates for a PWR
	01/01/84 (84-02)

6200 Maintenance

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)

Issue Date: 08/05/08 22 TABLE OF CONTENTS

PROCEDURE

6500	01.C	Inspection of the ITAAC-Related Construction Test Program
		10/03/07 (07-030)
6500	01.01	Inspection of ITAAC-Related Foundations & Buildings 10/03/07 (07-030)
6500	01.02	Inspection of ITAAC-Related Installation of Structural Concrete 10/03/07 (07-030)
6500	01.04	Inspection of ITAAC-Related Installation of Pipe Supports and Restraints 04/18/08 (08-012)
6500	01.06	Inspection of ITAAC-Related Installation o Mechanical Components 04/18/08 (08-012)
6500	01.07	Inspection of ITAAC-Related Installation of Valves 07/29/08 (08-021)
6500	01.12	Inspection of ITAAC-Related Installation of Heating, Ventilating, and Air Conditioning Systems 07/29/08 (08-021)
6500	01.14	Inspection of ITAAC-Related Installation of Complex Systems with Multiple Components 07/29/08 (08-021)
6500	01.15	Inspection of ITAAC-Related Installation of Fire Protection Equipment 07/01/08 (08-019)
6500 6500	01.16 51	Inspection of ITAAC-Related Engineering 10/03/07 (07-030) Low-Level Radioactive Waste Storage Facilities 06/13/86 (reactivated 07-034)
6600 <u>Res</u>	<u>erved</u>	
6700 <u>Res</u>	<u>erved</u>	
6800 <u>Res</u>	<u>erved</u>	
6900 <u>Non</u>	-Power R	Reactor Inspection
6900	01	Class II Research and Test Reactors 02/03/04 (04-004)
6900		Class III Research and Test Reactors 02/03/04 (04-004)
6900	03	Class I Research and Test Reactor Operator Licenses,
6900	1 4	Requalification, and Medical Examinations 02/03/04 (04-004) Class I Research and Test Reactor Effluent and Environmental
0900	J -1	Monitoring 02/03/047 (04-004)
6900	05	Class I Research and Test Reactor Experiments 02/03/04 (04-004)
6900	06	Class I Research and Test Reactors Organization and Operations
6900	07	and Maintenance Activities 02/03/04 (04-004) Class I Research and Test Reactor Review and Audit and Design Change Functions 02/03/04 (04-004)
6900		Class I Research and Test Reactor Procedures 02/03/04 (04-004)
6900		Class I Research and Test Reactor Fuel Movement
Issue Date	· 08/05/08	8 23 TABLE OF CONTENTS

Issue Date: 08/05/08 23 TABLE OF CONTENTS

PROCEDURE

	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)
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
70701	Reserved
70702	Reserved

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
	02/15/08 (08-008))
71004	Power Uprate 07/01/08 (08-019)
71005	Inspector Review of Licensing-Related Information
	08/05/03 (03-027)
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.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 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)
	• , , , , , , , , , , , , , , , , , , ,

Issue Date: 08/05/08 24 TABLE OF CONTENTS

PROCEDURE

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)
71111.06	Flood Protection Measures 01/31/08 (08-005)
71111.07	Heat Sink Performance 01/31/08 (08-005)
71111.08	Inservice 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 01/31/08 (08-005)
71111.18	Plant Modifications 01/31/08 (08-005)
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 01/31/08 (08-005)
71111.22	Surveillance Testing 02/27/07 (07-007)
71114	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)
71114.03	Emergency Response Organization Augmentation Testing
	08/24/07 (07-026)
71114.04	Emergency Action Level and Emergency Plan Changes
	10/25/06 (06-029)
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 01/10/08 (08-001)
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 02/19/04 (04-007)
71130.01	Access Authorization 07/28/05 (05-021)
71130.02	Access Control 02/16/04 (04-007)
71130.03	Contingency Response - Force-On-Force Testing
	01/31/08 (08-004)
71130.04	Equipment Performance, Testing Maintenance 02/19/04 (04-007)
71130.05	Protective Strategy Evaluation 02/19/04 (04-007)
Data: 08/05/0	NS 25 TARLE OF CONTENTS

Issue Date: 08/05/08 25 TABLE OF CONTENTS

PROCEDURE

71130.07	Security Training 02/19/04 (04-007)
71130.08	Fitness For Duty Training 02/19/04 (04-007)
71130.09	Owner-Controlled Area Controls 02/19/04 (04-007)
71150	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)
71303	Reserved for Part 52 Technical Specifications Review
71707	Plant Operations 12/31/98 (98-020)
71714	Cold Weather Preparations 09/17/01 (01-017)
71715	Sustained Control Room and Plant Observation 04/14/92
	(92-004)
71750	Plant Support Activities 06/24/98 (98-010)
71801	Decommissioning Performance and Status Review at
	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	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	Heatup Phase Procedure Review 04/30/75 (75-16)
72508B	Power Ascension Procedure Review: HPCI System 07/01/80
	(80-16)
72509B	Power Ascension Procedure Review: Control Rod Drive
	System 07/01/80 (80-16)
72510B	Power Ascension Procedure Review - Relief Valves
	and MSIVs 04/30/75 (75-16)
72512B	Startup Test Procedure Review - RCIC or Recirculation
	Pump Trip 04/30/75 (75-16)
72514B	Startup Test Procedure Review - Turbine Trip/Generator
	Trip 07/01/80 (80-16)
72516B	Startup Test Procedure Review - Shutdown From Outside
	the Control Room (Group A) 07/01/80 (80-16)
72517B	Startup Test Procedure Review: Loss of Offsite Power
	(Group A & B) 07/01/80 (80-16)

(Group A & B) 07/01/80 (80-16)
Issue Date: 08/05/08 26 TABLE OF CONTENTS

PROCEDURE

72518B	Startup Test Procedure Review - Core Performance
72524	nitial Fuel Loading Witnessing 01/20/84 (84-04)
72525	Reserved for Part 52 Initial Fuel Load Witnessing
72525 72526	BWR Initial Criticality Witnessing 01/20/84 (84-04)
72532	, ,
72564B	Power Level Plateau Data Review (BWR) 01/20/84 (84-04)
72304D	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
72300B	or Pressurizer Effectiveness 07/01/80 (80-16)
72570B	nitial Criticality Procedure Review (PWR) 07/01/80 (80-16)
72572B	Low Power Test Procedures Review Moderator Temperature
720725	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
720700	Circulation or Power Reactivity Coefficient Measurement
	07/01/80 (80-16)
72578B	Power Ascension Test Procedure Review - Evaluation of
	Core Performance 07/01/80 (80-16)
72580B	Power Ascension Test Procedure Review - Turbine Trip
	or Generator Trip 07/01/80 (80-16)
72582B	Power Ascension Test Procedure Review - Loss of Offsite
	Power (Group A) 07/01/80 (80-16)
72583B	Power Ascension Test Procedure Review: Shutdown from
	Outside the Control Room (Group B) 07/01/80 (80-16)
72584B	Power Ascension Test Procedure Review - Evaluation of
	Flux Asymmetry or Pseudo Rod Ejection Test 04/30/75 (75-16)
72592	PWR Initial Criticality Witnessing 01/20/84 (84-04)
72596B	Precritical Data Review 07/01/80 (80-16)
72600B	Power Level Plateau Data Review (25% PWR) 07/01/80 (80-16)
72608B	Power Level Plateau Data Review (50% PWR) 07/01/80 (80-16)
72616B	Power Level Pl01/14/86 (86-03)
73052	nservice Inspection - Review of Procedures 01/14/86 (86-03)
73053	Preservice Inspection – Observation of Work and Work Activities
	01/01/79 (reactivated 07-034)
73054	Part 52, Preservice and Inservice Inspection - Review of Program
	07/01/08 (08-019)
73055	Preservice Inspection Data Review and Evaluation 01/01/79
	reactivated 07-034)
73753	nservice Inspection 06/24/98 (98-010)
73754	Reserved for Part 52 Inservice Inspection - Observation of Work
	and Work Activities
73755	nservice Inspection - Data Review and Evaluation
	01/14/86 (86-03)
73756	nservice Testing of Pumps and Valves 07/27/95 (95-009)
73757	Part 52 Inservice Inspection - Data Review and Evaluation 04/18/08
	08-012
Data: 08/05/0	27 TARLE OF CONTENTS

<u>PART</u>

PROCEDURE

Issue Date: 08/05/08

7400 Reserved 7500 Reserved 7600 Reserved 7700 Reserved 7800 High Level Waste 78010 Reserved for 10 CFR Part 21 Program 7900 Water Chemistry 79503 Reserved for Part 52 LWR Water Chem. Control & Chem. Analysis (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 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) 81001.1 Independent Spent Fuel Storage Installation(s) at Operating Plants 02/02/04 (04-003) Physical Security Plan and Implementing Procedures 05/24/07 (07-81018 17) 81019 Reserved for Part 52 Security Plan & Implementing Procedures Management Effectiveness - Security Program 06/13/07 (07-019) 81020 Reserved for Part 52 Management Effectiveness 81021 81023 Reserved for Part 52 Security Organization

28

TABLE OF CONTENTS

PROCEDURE

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
0.4.055	Controlled Access Areas 09/10/07 (07-027)
81055	Reserved for Part 52 Physical Barriers - Vital Areas, Material
	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 05/09/84 (84-15)]
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,
	and SSNM 05/09/84 (84-15)
81074	Access Control - Vehicles 05/09/84 (84-15)
81075	Reserved for Part 52 Access Control - (Power Reactors) –
	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 - VA, MAA, and CAA 05/09/84 (84-15)
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
	02/20/86 (86-09)
81335	Physical Protection of Shipments of SNM of Moderate
0.000	Strategic Significance (MSNM) 02/20/86 (86-09)
81340	Physical Protection of Shipments of SNM of Low Strategic
510-10	Significance (LSNM) 02/20/86 (86-09)
81360	General Requirements for Physical Protection of Formula
01000	Quantities of Special Nuclear Material in Transit
	08/20/86 (86-40)
Data: 09/05/0	,

PROCEDURE

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)
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 05/31/91 (91-008)
81503	Reserved for Part 52 Personnel Training and Qualification - Gen. Requirements
81601	Safeguards Contingency Plan - Implementation Review 05/09/84 (84-15)
81602	Reserved for Part 52 Safeguards Contingency Plan - 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) 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)

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)
82301	Evaluation of Exercises for Power Reactors
	12/31/96 (96-024)
82302	Review of Exercise Objectives and Scenarios for Power
	Reactors 06/24/98 (98-010)
82701	Operational Status of the Emergency Preparedness
	Program 12/31/96 (96-024)

8300 Radiation Protection

83100 Occupational Exposure During SAFSTOR and DECON

Issue Date: 08/05/08 30 TABLE OF CONTENTS

PROCEDURE

	12/30/91 (91-022)
83501	Significant Uncontrolled Radiation Exposures
00001	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
00500 00	04/17/00 (00-006)
83502.03	Radiological Environmental Monitoring Program and Radioactive Material Control Program 04/17/00 (00-006)
83521	Radiation Protection - Startup 01/01/84 (84-01)
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
02524	Personal Dosimetry
83534 83535	Reserved for Part 52 Internal Exposure Control Reserved for Part 52 Control of Radioactive Materials and
00000	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,
00704	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,
00.20	Surveys, and Monitoring 09/17/01 (01-017)
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
00740	(91-021)
83746	Offsite Dose Calculation Manual (ODCM) 07/29/08 (08-021)
83750 83801	Occupational Radiation Exposure 06/06/02 (02-023) Inspection of Remedial and Final Surveys at Permanently
00001	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 Mate	erial Inspections	At Near Surface Low-Level
	D:		1 01 1 1 1 1 1 0 7 1 0 1 1 0 1 0 0 0 0

Waste Disposal Facilities In Agreement States 11/27/01 (01-028)

Issue Date: 08/05/08 31 TABLE OF CONTENTS

PROCEDURE

84101	Radioactive Waste Management 12/30/91 (91-022)
84521	Radwaste - Startup 01/01/84 (84-01)
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
	(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 06/06/02 (02-023)
84900	Low-Level Radioactive Waste Storage 10/20/00 (00-022)

8500 Material Control and Accountability

85102	Material Control and Accounting - Reactors 03/29/85 (85-10)
85103	Reserved for Part 52 Material Control and Accounting - Reactor
85200	MC&A for Licensees Possessing Less Than or Equal to
	One Effective Kilogram of SNM 04/10/85 (85-15)
85203	Facility Organization and Management Controls 01/17/86 (86-04)
85205	Facility Operations and Internal Controls 04/10/85 (85-15)
85207	Measurement Systems 01/17/86 (86-04)
85209	Measurement Control and Statistics 04/10/85 (85-15)
85211	Physical Inventory 01/17/86 (86-04)
85215	Records and Reports 01/17/86 (86-04)
85301	MC&A for Imports and Exports 07/18/84 (84-22)
85303	MC&A Management Structure and Personnel Training and
	Qualification 03/18/91 (91-005)
85305	Item Monitoring 03/18/91 (91-005)
85307	Process Monitoring 03/18/91 (91-005)
85309	Measurement Systems and Control 03/18/91 (91-005)
85311	Physical Inventory 03/18/91 (91-005)
85313	Alarm Resolution 03/18/91 (91-005)
85315	Accounting and Internal Control 03/18/91 (91-005)
85401	Management Structure 07/22/99 (99-011)
85402	Measurement Control 07/22/99 (99-011)
85403	Measurement Control Program 07/22/99 (99-011)
85404	Physical Inventory 10/23/96 (96-021)
85405	Item Control Program 07/22/99 (99-011)
85406	Resolution Program 10/23/96 (96-021)
85407	Assessment Program 07/22/99 (99-011)
85408	Recordkeeping 07/22/99 (99-011)
85420	Inspection of IAEA Safeguards for Inspectors at Power
	Reactors 06/22/88 (88-07)
85425	Implementation of US/IAEA Safeguards Agreement at Fuel
	Facilities 06/22/88 (88-07)
85501	Inventory Program 07/22/99 (99-011)
85502	Detection Program 07/22/99 (99-011)
Date: 08/06	` ,

Issue Date: 08/05/08 32 TABLE OF CONTENTS

PROCEDURE

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

8600 Spent Fuel and Other Radioactive Material Packaging and Shipping

86001	Design, Fabrication, Testing, and Maintenance of
	Transportation Packagings 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 04/24/02 (02-020)
86750	Solid Radioactive Waste Management and Transportation
	of Radioactive Materials 03/15/94 (94-006)

8700 Materials Safety Inspection

8/102	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	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)

Issue Date: 08/05/08 33 TABLE OF CONTENTS

PROCEDURE

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)
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	Reserved for Fire Protection (Triennial)
88055	Fire Protection 09/05/06 (06-020)
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)
88070	Permanent Plant modification 09/05/06 (06-020)
88071	Configuration Management Programmatic Review 07/28/06
	(06-019)
88075	Event Followup 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
	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)
Data: 09/05	7/00 24 TADLE OF CONTENTS

<u>PART</u>

PROCEDURE

88110	Quality Assurance: Problem Identification, Resolution and
00444	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)
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)
88140	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	<u>'</u>
	Reserved for Process Enclosures and Vessels
88160	Reserved for Process Enclosures and Vessels Reserved for Utilities and Bulk Chemicals

8900 Fuel Facility and Materials Special Program

89001 In-Situ Leach (ISL) Facilities 09/02/97 (97-013)

PROCEDURE

9000 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
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 Title 10 Requirements

9200 Planned Non-Routine Activities

92050	Review of Quality Assurance for Extended Construction Delay 04/04/00 (00-005)
92700	Onsite Followup of Written Reports of Nonroutine Events at Power Reactor Facilities 12/31/98 (98-020)
92701	Followup 03/13/07 (07-010)
92702	Followup on Traditional Enforcement Actions Including Violations, Deviations, Confirmatory Action Letters, Confirmatory Orders, and Alternative Dispute Resolution Confirmatory Orders 01/10/08 (08-001)
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)
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	Followup - Plant Operations 09/17/01 (01-017)
92902	Followup - Maintenance 09/17/01 (01-017)
92903	Followup - Engineering 09/17/01 (01-017)
92904	Followup - Plant Support 09/17/01 (01-017)

9300 Non-Routine Activities

93001 OHSA Interface Activities 02/11/04 (04-006)

Issue Date: 08/05/08 36 TABLE OF CONTENTS

<u>PART</u>

PROCEDURE

00700	Drawant Oneita Decreases to Events at Operating Deven
93702	Prompt Onsite Response to Events at Operating Power Reactors 09/17/01 (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 Readiness Assessment Team Inspections
	09/29/98 (98-015)
93807	Systems Based Instrumentation and Control Inspection
00001	01/29/93 (93-001)
	0 1/20/00 (00 00 1)
93809	Safety System Engineering Inspection (SSEI)
00000	06/23/97 (97-009)
93810	Service Water System Operational Performance Inspection
93010	(SWSOPI) 09/14/98 (98-013)
93811	Electrical Distribution System Functional Inspection (EDSFI)
93011	, , ,
02040	02/03/99 (99-002) Special Inspection 07/25/08 (08, 030)
93812	Special Inspection 07/25/08 (08-020)
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 10/26/06 (06-031)		

9600 Materials Safety and Security

PROCEDURE

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

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

9700 Reserved

9800 Reserved

PART

TECHNICAL 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)

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

TECHNICAL GUIDANCE

STS Sec 3/4.8.1 TDI Diesel Generator Air Roll Tests 06/09/88 (88-06)

STS Sec 4.2.8.X.X Surveillance Requirements - 125-Volt Battery Bank

10/01/79 (79-22)

STS Sec 4.5.1 Standard Technical Specifications (BWR) 05/12/86 (86-26)

STS Sec 4.8.1.1.2 Surveillance Testing of Diesel Generator Lockout Feature

05/12/86 (86-26)

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)

TECHNICAL GUIDANCE

[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]

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

(07-028)

PART

10 CFR GUIDANCE

10	Title 10 of the Code of	f 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