#### TABLE OF CONTENTS

<u>Table of Contents</u> Current through Change Notice 13-005 issued 02/14/2013

#### **PART**

#### **CHAPTER**

#### 0000 NRC Inspection Manual<sup>1</sup>

0040 Preparing, Revising, and Issuing Documents for the NRC

Inspection Manual 12/10/12 (12-028)

#### 0100 Program Responsibilities

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

#### 0300 <u>Inspection Policy</u>

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 06/13/12 (12-009)
0306	Information Technology Support for the Reactor Oversight Process
	06/13/12 (12-009)
0307	Reactor Oversight Process Self-Assessment Program
	03/23/09 (09-010)
0307, App A	Reactor Oversight Process Self-Assessment Metrics 03/23/09 (09-010)
0307, App B	ROP Realignment Process 10/13/11 (11-019)
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	Technical Basis for Inspection Program 10/16/06 (06-027)

Issue Date: 02/14/13 1 TABLE OF CONTENTS

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

- 0308, Att 3 Technical Basis for Significance Determination Process 10/16/06 (06-027)
- 0308, Att 3, App A Technical Basis for At Power Significance Determination 06/19/12 (12-010)
- 0308, Att 3, App B Technical Basis for Emergency Preparedness Significance Determination Process 12/19/12 (12-029)
- 0308, Att 3, App C Technical Basis for Occupational Radiation Safety Significance Determination Process 07/28/05 (05-022)
- 0308, Att 3, App D Technical Basis for Public Radiation Safety
  Significance Determination Process 07/27/04 (04-020)
- 0308, Att 3, App E Technical Basis for the Baseline Security Significance Determination Process 07/27/12 (12-016)
- 0308, Att 3, App F Technical Basis for Fire Protection Significance
  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 Determination Process 02/28/05 (05-007)
- 0308, Att 3, App H Technical Basis for Containment Integrity Significance Determination Process 05/06/04 (04-010)
- 0308, Att 3, App I Technical Basis for Operator Requalification Human Performance Significance Determination Process 07/28/05 (05-022)
- 0308, Att 3, App J Technical Basis for Steam Generator Tube Integrity Findings Significance Determination Process 07/06/11 (11-011)
- 0308, Att 3, App K Technical Basis for Maintenance Risk Assessment and Risk 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)
- 0308, Att 6 Basis Document for the Security Cornerstone of the Reactor Oversight Process 09/08/09 (09-021)
- Reactive Inspection Decision Basis for Reactors 10/28/11 (11-023)
- O310 Components within the Cross-Cutting Areas 10/28/11 (11-023)
- 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)
- Operating Reactor Security Assessment Program 06/13/12 (12-009)
- 0321 Reserved for Reactor Security Construction Assessment Program
- O326 Reserved for Operability Determinations & Functionality Assessments of Conditions Adverse To Quality or Safety
- 0330 Guidance for NRC Review of Licensee Draft Documents
- 0330 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)
- O351 Implementation of the Reactor Oversight Process at Reactor Facilities in an Extended Shutdown Condition for Reasons Other Than Significant

Performance Problems 04/05/11 (11-005)

## 0400 Enforcement Policy

0410 Reserved for Operations - Notices of Enfo 0410 App A Reserved for NOEDs during a Pandemic Reserved for Operations - Notices of Enforcement Discretion

## 0500 <u>Tracking Systems</u>

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

0608 0609	Performance Indicator Program 09/26/12 (12-022) Significance Determination Process 06/02/11 (11-009) Significance and Enforcement Parism Page 1 Process 06/09/14 (41-040)
0609.01 0609.02	Significance and Enforcement Review Panel Process 06/08/11 (11-010) Process for Appealing NRC Characterization of Inspection Findings (SDP Appeal Process) 06/08/11 (11-010)
0609.03	Senior Reactor Analyst Support Expectations 06/02/11 (11-009)
0609.04	Phase 1 - Initial Screening and Characterization of Findings 06/19/12 (12-010)
0609, App A	Determining the Significance of Reactor Inspection Findings for At- Power Situations 06/19/12 (12-010)
0609, App B	Emergency Preparedness Significance Determination Process 02/24/12 (12-003)
0609, App C	Occupational Radiation Safety Significance Determination Process 08/19/08 (08-024)
0609, App D	Public Radiation Safety Significance Determination Process 02/12/08 (08-007)
0609, App E	Physical Protection Significance Determination Process for Power Reactors 11/30/12 (12-027)
0609, App E	Part I Baseline Security Significance Determination Process for Power Reactors 06/27/12 (12-011)
0609, App E	Part II Force-on-Force Significance Determination Process 07/27/12 (12-016)
0609, App E(F	P)Part III Construction Fitness-for-Duty Significance Determination Process – Pilot 09/19/12 (12-021)
0609, App E	Part IV Cyber Security Significance Determination Process for Power Reactors 01/24/13 (13-003)
0609, App F, A	Fire Protection Significance Determination Process 02/28/05 (05-007) Att 1 Part 1: Fire Protection SDP Phase 1 Worksheet 02/28/05 (05-007)
	Att 2 Degradation Rating Guidance Specific to Various Fire Protection Program Elements 02/28/05 (05-007)
	Att 3 Guidance for Identifying Fire Growth and Damage Scenarios 02/28/05 (05-007)
0609, App F, A	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)
- 0609, App I Operator Requalification Human Performance Significance Determination Process [SDP] 12/06/11 (11-040)
- 0609, App J Technical Basis for Steam Generator Tube Integrity Findings 07/06/11 (11-011)
- 0609, App K Maintenance Risk Assessment and Risk Management Significance Determination Process 05/19/05 (05-014)
- 0609, App L B.5.b Significance Determination Process 12/24/09 (09-032)
- 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 01/24/13 (13-003)
- 0612, Exh 1 Standard Reactor Inspection Report 07/10/12 (12-014)
- 0612, Exh 2 Inspection Report Documentation Matrix 07/10/12 (12-014)
- 0612, Exh 3 Reserved for Sample Reactor Inspection Report (temporarily suspended pending revision
- 0612, Exh 4 Sample Cover Letters 07/10/12 (12-014)
- 0612, App A List of Acronyms Used in IMC 0612 12/04/08 (08-034)
- 0612, App B Issue Screening 09/07/12 (12-020)
- 0612, App C Documentation Guidance for Supplemental Inspections 10/28/11 (11-024)
- 0612 App C1 Sample Supplemental Inspection Report for IP 95001 and IP 95002 10/28/11 (11-024)
- 0612, App D Guidance for Documenting Inspection Procedure 71152, "Identification and Resolution of Problems" 10/28/11 (11-024)
- 0612, App E Examples of Minor Issues 08/11/09 (09-020)
- 0612, App F Examples of Cross-Cutting Aspects 06/22/06 (06-015)
- Documenting 10 CFR Part 52 Construction Inspections 11/10/11 (11-032)

	0613P	Power Reactor Construction Inspection Reports – Pilot 12/19/12 (12-029)
	0614	Documenting 10 CFR Part 52 Construction Audit Activities
	0615	10/03/07 (07-030) Research and Test Reactor Inspection Reports
	0616 0617	06/23/04 (04-018) Fuel Cycle Safety and Safeguards Inspection Reports 12/21/11 (11-042) Vendor and Quality Assurance Implementation Inspection Reports 10/29/09 (09-025)
	0620 0630	Inspection Documents and Records 09/12/11 (11-015) Analysis of the Impact of Noncompliance with Physical Security Requirements 10/01/82 (82-09)
0700	Communicati	ions with Licensees
	0730	Generic Communications Regarding Materials and Fuel Cycle Issues 03/21/08 (08-011)
0800	<u>Feedback - Ir</u>	mproving the Regulatory Process
	0801 0802	Reactor Oversight Process Feedback Program 07/06/10 (10-015) Reserved for the Part 52 Program
0900	Reporting of	Events/Incidents
	0970	Potentially Generic Questions Identified by Regional Offices 12/11/00 (00-024)
1000	Regional Offi	ce 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 06/09/09 (09-014)
1200	Inspector Re	quirements
	1201 1202	Conduct of Employees 10/28/11 (11-023) Senior Resident Inspector Site Turnover 10/31/08 (08-031)

5

TABLE OF CONTENTS

Issue Date: 02/14/13

1220		Processing of NRC Form 241, "Report of Proposed Activities In Non-Agreement States," Areas of Exclusive Federal
		Jurisdiction and Offshore Waters, and Inspection of Agreement State
		Licensees Operating Under 10 CFR 150.20 05/01/03 (03-013)
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 Operating Reactor Programs 12/29/11 (11-044)
1245,	Att 1	General Overview of the Inspector Training and Qualification
4045	A 11 O	Program 12/29/11 (11-044)
1245,		Inspector Competencies 10/31/06 (06-032)
1245,		General Orientation Topics 10/31/06 (06-032)
	App A	
	App B	General Proficiency-Level Training and Qualification Journal 12/29/11 (11-044)
1245,	App C	1 Reactor Operations Inspector Technical Proficiency Training and Qualification Journal 12/19/12 (12-029)
1245,	App C	Reactor Engineering Inspector Technical Proficiency Training
		and Qualification Journal 12/19/12 (12-029)
1245,	App C	3 Health Physics Inspector Technical Proficiency Training and
		Qualification Journal 07/08/09 (09-017)
1245,	App C4	Reactor Safeguards Inspector Technical Proficiency Qualification
		Journal 04/05/02 (02-014)
1245,	App C	Research and Test Reactor Inspector Technical Proficiency
		Qualification Journal 07/08/09 (09-017)
1245,	App C	Emergency Preparedness Inspector Technical Proficiency
4045		Training and Qualification Journal 07/08/09 (09-017)
		7 Fire Protection Inspector Technical Proficiency Training and Qualification Journal 12/19/12 (12-029)
		3 Vendor Inspector Technical Proficiency Qualification Journal
1240,	App O	12/19/12 (12-029)
1245	Ann C	9 Senior Reactor Analyst Training and Qualification Program
12 10,	, ,pp	12/19/12 (12-029)
1245	App C	10 Operator Licensing (OL) Examiner Technical Proficiency
,		Training and Qualification Journal 08/27/12 (12-018)
1245.	App C	
- 1	11.	Journal 04/09/09 (09-011)

- 1245 App C12 Safety Culture Assessor Training and Qualification Journal 09/26/12 (12-022)
- 1245, App D1 Maintaining Qualifications 12/19/12 (12-029)
- 1245, App D2 Inservice Inspection Advanced-Level Training 07/08/09 (09-017)
- 1245, App D3 Fire Protection Advanced-Level Training 12/19/12 (12-029)
- 1245, App D4 Advanced Electrical Inspector Technical Proficiency Training and Qualification Journal 12/29/11 (11-044)
- Formal Qualification Programs in the Nuclear Material Safety and Safeguards Program Area 10/26/11 (11-022)
- 1246, App A Training Activities 10/26/11 (11-022)
- 1246 App B1 Training Requirements and Qualification Journal for Spent Fuel Storage and Transportation Reviewer 10/26/11 (11-022)
- 1246 App B2 Training Requirements and Qualification Journal for Spent Fuel Storage and Transportation Inspector 10/26/11 (11-022)
- 1246 App B3 Training Requirements and Qualification Journal for Independent Spent Fuel Storage Installation Inspector 11/07/11 (11-028)
- 1246 App C1 Training Requirements and Qualification Journal for Fuel Cycle License Reviewer 10/26/11 (11-022)
- 1246 App C2 Training Requirements and Qualification Journal for Fuel Cycle Project Manager 10/26/11 (11-022)
- 1246 App C3 Training Requirements and Qualification Journal for Material Control; and Accounting License Reviewer 10/26/11 (11-022)
- 1246 App C4 Training Requirements and Qualification Journal for Fuel Cycle Safeguards Physical Security Inspector 10/26/11 (11-022)
- 1246 App D1 Training Requirements and Qualification Journal for High Level Waste Repository License Technical Reviewer 10/26/11 (11-022)
- 1246 App D2 Training Requirements and Qualification Journal for High Level Waste Repository Inspector 10/26/11 (11-022)
- 1246 App E1 Training Requirements and Qualification Journal for Material License Reviewer 10/26/11 (11-022)
- 1246 App E2 Training Requirements and Qualification Journal for Materials Health Physics inspector 10/26/11 (11-022)
- 1246 App E3 Training Requirements and Qualification Journal for Division of Waste Management Inspector and License Reviewer 10/26/11 (11-022)
- 1246 App E4 Training Requirements and Qualification Journal for Decommissioning inspector10/26/11 (11-022)
- 1246 App E5 Training Requirements and Qualification Journal for Division of Waste Management Decommissioning Project Manager/Technical Reviewer 10/26/11 (11-022)
- 1246 App E6 Training Requirements and Qualification Journal for Materials Exempt Distribution License Reviewer 10/26/11 (11-022)
- 1246 App E7 Training Requirements and Qualification Journal for Uranium Recovery Inspector 10/26/11 (11-022)
- 1246 App E8 Training Requirements and Qualification Journal for Uranium Recovery Project Manager/Technical Reviewer 10/26/11 (11-022)

1246 App E9 <sup>-</sup>	Training Requirements and Qualification Journal for Byproduct Material Sealed Source and Devise Technical Reviewer 10/26/11 (11-022)
1247	Qualification Program for Fuel Facility Inspectors in the Nuclear Material Safety and Safeguards Program Area 02/18/09 (09-006)
1247, App A	Basic-Level Training and Certification Journal Fuel Facility Inspector 02/18/09 (09-006)
1247, App B	General Proficiency-Level Training and Qualification Journal 02/18/09 (09-006)
1247, App C1	Fuel Facility Operations Inspector Technical Proficiency Training and Qualification Journal 02/18/09 (09-006)
1247, App C2	Fuel Facility Health Physics Inspector Technical Proficiency Training and Qualification Journal 02/18/09 (09-006)
1247, App C3	Fuel Facility Emergency Preparedness Inspector Technical Proficiency Training and Qualification Journal 02/18/09 (09-006)
1247, App C5	Fuel Facility Material Control & Accounting Inspector Technical Proficiency Training and Qualification Journal 02/18/09 (09-006)
1248	Reserved for Qualification Programs for Federal and State Materials and Environmental Management Programs
1252	Construction Inspector Training and Qualification Program 04/25/11 (11-007)
1252, App A	Construction Inspector Basic-Level Training and Certification Journal 04/25/11 (11-007)
1252, App B	Construction Inspector General Proficiency-Level Training and Qualification Journal 04/25/11 (11-007)
1252, App C	Construction Inspector Post Qualification Requirements, Continuing and Refresher Training 04/25/11 (11-007))

## 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)
1304	Reserved for Independent Split Sampling Program for Residual Radioactivity
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	<u>Reserved</u>	
	1415	State Contracts for Environmental Monitoring 06/28/91 (91-009)
	_	
1500	Reserved	
1600	Emergency P	reparedness
	1601	Communication Protocol for Assessing Offsite Emergency Preparedness Following a Natural Disaster 07/17/12 (12-015)
1700	Reserved	
1800	Reserved	
1900	Reserved	
2000	Reserved	
2100	Reserved	
2200	Nuclear Secu	rity and Incident Response
	2201 App A 2201 Securi Power 2201 App A 2201 App B 2201 App C 2201 App D 2201/001	security Construction Inspection Program 09/07/12 (12-020) ty Inspection Program for Commercial Nuclear Reactors 09/08/09 (09-021) Security Baseline Inspection Program 06/13/12 (12-009) Supplemental Inspection Program 11/15/11 (11-034) Generic, Special, and Infrequent Inspections 09/08/09 (09-021) Facility Status Reviews for Security and Safeguards Inspection Program 09/08/09 (09-021) Inspection of Additional Security Measures for Radioactive Material Quantities of Concern 09/18/06 (06-024) B Inspection Requirements and Guidance for Handling and Protection of Safeguards Information - Modified Handling 09/18/06 (06-024) C Radioactive Material Quantities of Concern Security Inspection Record 09/18/06 (06-024) Inspection of Transition of Contract Security to Proprietary Security Force

9

TABLE OF CONTENTS

Issue Date: 02/14/13

2201/003 Reserved for Fitness for Duty Part 26 Subpart K
2201/004 Inspection of Implementation of Interim Cyber Security Milestones 1-7
01/03/13 (13-001)

## 2300 High Level Waste

2300 Yucca Mountain Inspection Program License Application Review Period 09/11/08 (08-026)

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

## 2500 Reactor Inspection Program

2400 Low Level Waste Program

2500 2500/16	Reactor Inspection Program 11/06/86 (reactivated 09-020) Inspection to determine if a Potential Seismic Interaction Exists Between the Movable In-Core Flux Mapping System and Seal Table at Westinghouse Designed Facilities or Facilities with Similar Designs 06/13/86 (reactivated 09-015)
2500/19	Inspection of Licensee's Actions Taken to Implement Unresolved Safety Issue A-26: Reactor Vessel Pressure Transient Protection for Pressurized Water Reactors 11/14/86 (reactivated 09-015)
2500/020,	Inspection to Determine Compliance with ATWS Rule, 10 CFR
Rev. 2	50.62 08/06/03 (reactivated 09-015)
2500/26	Inspection Requirements for NRC Compliance Bulletin 87-02, "Fastener Testing to Determine Conformance with Applicable Material Specifications 11/20/87 (reactivated 09-025)
2500/27	Inspection Requirements for NRC Compliance Bulletin 87-02, "Fastener Testing to Determine Conformance with Applicable Material Specifications 05/22/89 (reactivated 09-025)
2501	Construction Inspection Program: Early Site Permit (ESP) 10/03/07 (07-030)
2502	Construction Inspection Program: Pre-Combined License (Pre-COL) Phase 12/13/10 10-026
2503	Construction Inspection Program: Inspections of Inspections, Tests, Analyses, and Acceptance Criteria (ITAAC) 07/05/12 (12-012)
2504	Construction Inspection Program: Inspections of Construction and Operational Programs 10/24/12 (12-025)
2505	Periodic Assessment of Construction Inspection Program Results 09/09/10 (10-019)
2505P	Periodic Assessment of Construction Inspection Program Results – Pilot 01/15/13 (13-002)

2506	Construction Reactor Oversight Process General Guidance and Basis Document 11/19/12 (CN 12-026)
2507	Construction Inspection Program: Vendor Inspections 04/25/11 (11-007)
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,	Regional Construction Assessment Team Inspections 01/27/84
Rev. 2	(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)
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)
2512/038	Inspection of Watts Bar Nuclear Plant Mechanical Equipment 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 Special Program 07/13/92 (reactivated 08-004)
2512/042 2512/043	Inspection of Watts Bar Nuclear Plant Soil Liquefaction Special Program 07/13/92 (reactivated 08-004) Inspection of Watts Bar Nuclear Plant Use-As-Is CAQRS Special
2512/043 2512 App I	Program 07/13/92 (reactivated 08-004)  Light Water Reactor Inspection Program - Construction Phase –
2512 App 1 2513	Procedure List 10/16/07 (07-032)  Light Water Reactor Inspection Program – Preoperational Testing and
2513 App A	Operational Preparedness Phase 08/05/08 (Reactivated 08-023) Light Water Reactor – Preoperational Testing Phase 08/05/08
2513 App B	(reactivated 08-023) Light Water Reactor – Operational Preparedness Phase 08/05/08
2514	(reactivated 08-023) Light Water Reactor Inspection Program – Startup Testing Phase
2514 App A	08/21/89 (89-013) Startup Test Program Inspection Procedures 04/15/94 (94-018)
2515 2515 App A	Light Water Inspection Program - Operations Phase 11/19/12 (12-026) Risk-Informed Baseline Inspection Program 10/28/11 (11-023)
2515 App B 2515 App C	Supplemental Inspection Program 08/18/11 (11-013) Special and Infrequently Performed Inspections 04/26/12 (12-007)
2515 App D 2515 App E	Plant Status 02/24/12 (12-003) Inspection Program Modifications during a Pandemic 01/26/07 (07-004)
2515 App F 2515/28	Reactor Construction Activities near Operating Unit(s) 06/02/11 (11-009) Inspection Requirements to Review Licensee Actions Taken in Response to IE Bulletin 79-02, Revision No. 07/01/79 (reactivated 09-015)

2515/29 2515/30	Inspection Requirements for IEB 79-14 09/14/79 (reactivated 09-015) Inspection Requirements To Review PWR Licensee Actions Taken in
2515/37	Response to IE Bulletin No. 79-21 09/14/79 (reactivated 09-015) Inspection Requirements To Review Licensee Actions Taken in Response to IE Bulletin 80-11, Masonry Wall Design 07/03/80
2515/64,	(reactivated 09-015)  Near-Term Inspection Followup to Generic Letter 83-28 04/04/85
Rev. 1	(reactivated 09-015)
2515/65,	TMI Action Plan Requirement Followup 07/10/90
Rev. 2	(reactivated 09-015)
2515/66	Inspection Requirements for IE Bulletin 84-03, 'Refueling Cavity Water
	Seals 12/17/84 (reactivated 09-015)
2515/69 2515/71	Inspection of Response to IE Bulletin 85-01 12/20/85 (reactivated 09-015) Inspection of Licensees' Actions in Response to IE Bulletin 82-02
0545/70	12/20/85 (reactivated 09-015)
2515/72 2515/87	Inspection of Response to IE Bulletin 85-02 12/20/85 (reactivated 09-015) Inspection of Licensee's Implementation of Multiplant Action A-17:
2313/67	Instrumentation for Nuclear Power Plants To Access Plant and Environs Conditions During and Following an Accident (Regulatory Guide 1.97)
0545/00	09/17/90 (reactivated 09-015)
2515/88	Inspection of Licensee's Actions Taken to Implement NRC Guidelines for Protection from Flooding of Equipment Important to Safety 04/06/87 (reactivated 09-015)
2515/91	Inspection Followup to Generic Letter 83-28, Item 4.1 04/06/87
2010/01	(reactivated 09-015)
2515/101	Loss of Decay Heat Removal (Generic Letter No. 88-17) 10 CFR 50.54(f)
	(reactivated 09-015)
2515/103	Loss of Decay Heat Removal (Generic Letter No. 88-17) 10 CFR 50.54(f) – Programmed Enhancements (Long Term) Review 12/18/89 (reactivated 09-015)
2515/105	Inspection of Licensee Activities in Reference to NRC Bulletin 88-04 –
2313/103	Potential Safety-Related Pump Loss 05/14/90 (reactivated 09-015)
2515/107	Electrical Distribution System Functional Inspection (EDSFI) 10/19/90 (reactivated 09-015)
2515/109,	Inspection Requirements for Generic Letter 89-10, Safety-Related
Rev. 4	Motor-Operated Valve Testing and Surveillance 07/23/98 (reactivated 09-015)
2515/110,	Performance of Safety-Related Check Valves 11/15/93
Rev.1	(reactivated 09-015)
2515/111	Electrical Distribution System Followup Inspection 08/06/03
2515/113	(reactivated 09-015) Reliable Decay Heat Removal During Outages 11/18/91 (reactivated 09-015)
	·

2515/114	Inspection Requirements for Generic Letter 89-04, Acceptable Inservice Testing Programs 01/15/92 (reactivated 09-015)
2515/118,	Service Water System Operational Performance Inspection
Rev. 2	(SWSOPI) 03/17/95 (reactivated 09-015)
2515/120	Inspection of Implementation of Station Blackout Rule Multi-plant Action Item A-22 09/24/93 (reactivated 09-015)
2515/139	Inspection of Licensee's Implementation of Generic Letter 96-01 - Testing of Safety Related Logic Circuits 07/23/98 (reactivated 09-015)
2515/140	Periodic Verification of Design-Basis Capability of Safety-Related Motor- Operated Valves (GL 96-05) 09/29/98 (reactivated 09-015)
2515/142	Draindown During Shutdown and Common-Mode Failure (NRC Generic Letter 98-02) 06/18/99 (reactivated 09-015)
2515/145	Circumferential Cracking of Reactor Pressure Vessel Head Penetration Nozzles (NRC Bulletin 2001-01) 09/20/01
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)
2515/152,	Reactor Pressure Vessel Lower Head Penetration Nozzles
	(NRC Rev. 1 Bulletin 2003-02) 11/15/03 (reactivated 09-015)
2515/153,	Reactor Containment Sump Blockage (NRC Bulletin 2003-01)
Rev. 1	02/18/05 (reactivated 09-015)
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)
2515/158	Functional Review of Low Margin/Risk Significant Components and Human Actions 06/14/04 (04-017)
	Affecting Safety-Related Equipment 07/29/04 (04-021)
2515/160	Pressurizer Penetration Nozzles and Steam Space Piping Connections in U.S. Pressurized Water Reactors (NRC Bulletin 2004-01) 10/06/04 (reactivated 09-015)
2515/162	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)
2515/165	Operational Readiness of Offsite Power and Impact on Plant Risk 03/03/06 (reactivated 09-025)
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)

2515/171 Rev. 1	Verification of Site Specific Implementation of B.5.b Phase 2 & 3 Mitigating Strategies 07/25/08 (08-020)
2515/172	Reactor Coolant System Dissimilar Metal Butt Welds
Rev. 1	05/27/10 (10-014)
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 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
2515/177	Managing Gas Accumulation in Emergency Core Cooling, Decay
Rev. 1	Heat Removal, And Containment Spray Systems (NRC Generic Letter 2008-01) 03/17/10 (10-009)
2515/178	Risk Management Technical Specifications Initiative 5b Surveillance Frequency Control Program 05/15/09 (09-013)
2515/179	Verification of Licensee Responses To NRC Requirement
Rev. 1	for Inventories of Materials Tracked in the National Source Tracking
	System Pursuant to Title 10, Code of Federal Regulations, Part 20.2207
2515/181	(10 CFR 20.2207) 05/27/10 (10-014)  Validate the Effectiveness of the Regulatory Infrastructure Related to
2313/101	Fire-Induced Circuit Failures and Operator Manual Actions
	04/14/10 (10-011)
2515/182	Review of the Implementation of the Industry Initiative to Control
	Degradation of Underground Piping and Tanks 11/17/11 (11-036)
2515/185	Followup to the Review of the Implementation of the Industry Ground
05454400	Water Protection Voluntary Initiative 12/19/11 (11-041)
2515/186	Inspection of Procedures and Processes for Responding to Potential Aircraft Threats 08/30/12 (12-019)
2515/187	Inspection of Near-Term Task Force Recommendation 2.3
2515/100	Flooding Walkdowns 06/27/12 (12-011)
2515/188	Inspection of Near-Term Task Force Recommendation 2.3 Seismic Walkdowns 07/06/12 Effective 07/09/2012 (12-013)
2515/189	Reserved for Snubbers
2515/190	Reserved for Inspection of Near-Term Task Force Recommendation 9.3 –
_0.0/.00	Communication Capabilities
2516	Policy and Guidance for the License Renewal Inspection Programs
	02/18/05 (05-006)
2516/001	Review of License Renewal Activities 03/30/11 (11-004)
2517	Watts Bar Unit 2 Construction Inspection Program 08/14/12 (12-017)
2518	Reserved for Construction Inspection Program: Advanced Reactors, Pre Construction Permit (CP)
2519	Reserved for Construction Significance Determination Process
2519P	Construction Significance Determination Process – Pilot
	12/21/11 (11-042)

2522	Construction Reactor Oversight Process Self-Assessment Program 11/30/12 (12-027)
2522 App A	Construction Reactor Oversight Process Self-Assessment Metrics 11/30/12 (12-027)
2523	Application of Operating Experience in the Reactor Oversight Process 11/16/11 (11-035)
2530	Integrated Design Inspection Program 04/24/85 (reactivated 10-006)
2535	Design Verification Programs 03/24/89 (reactivated 10-006)
2545	Research and Test Reactor Inspection Program 06/23/04 (04-018)
2561	Decommissioning Power Reactor Inspection Program 04/14/03 (03-012)
2561/003	Re-Examination of Year 2000 (Y2K) Program Activities at Selected Decommissioning Reactors 11/30/99 (99-019)
2561/004	Safeguards and Emergency Preparedness Inspection of Interim Compensatory Measures at Decommissioning Power Reactors 04/22/03 (03-011)

## 2600 Fuel Cycle Facility Inspection Program

2600	Fuel Cycle Facility Operational Safety and Safeguards Inspection
0000 4 == 4	Program 01/27/10 (10-003)
2600, App A	Guidance For Conducting Fuel Cycle Inspections 08/15/07 (07-025)
2600, App B	NRC Core Inspection Requirements, Tables 1 and 2 11/07/11 (11-028)
2600, App C	Fuel Cycle Resident Inspection Program 04/27/10 (10-012)
2600, App D	Fuel Cycle Facility Inspection Planning 03/21/08 (08-011)
2600/014	Inspection Guidance for Applying Safety Culture Components Within the Inspection and Enforcement Program for Fuel Cycle Facilities 09/30/11 (11-018)
2601	Team Assessments of Fuel Cycle and Materials Licensees
2001	05/04/90 (90-004)
2602	Decommissioning Oversight and Inspection Program for Fuel
2002	
2602	Cycle Facilities and Materials Licensees 07/29/08 (08-021)
2603	Reserved for Fuel Cycle Facility Construction Inspection Program Assessment
2604	Licensee Performance Review 10/11/12 (12-023)
2606	Assessment of the Change in Risk Resulting From a Violation at a Fuel
2000	Cycle Facility 09/26/12 (12-022)
2606 E-2	Evaluation Based on Specific Licensee ISAs 09/26/12 (12-022)
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 01/27/10 (10-003)
2682	Technical Assistance for Safeguards MC&A Inspections at Fuel Facilities 06/18/84 (84-18)
2683 2689/009	MC&A Safeguards Inspection of Fuel Facilities 07/17/12 (12-015) Inspection Guidance and Requirements for Physical Protection of the Transfer, Loading and Shipment of Irradiated Special Nuclear Material from General Atomics Facility, San Diego, California to U.S. Department of Energy, Idaho National Laboratory, Scoville, Idaho 08/12/10 (10-017)
2690	Inspection Program for Dry Storage of Spent Reactor Fuel at Independent Spent Fuel Storage Installations and for 10 CFR Part 71 Transportation Packagings 03/09/12 (12-004)
2690/008	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 10-018 (09/02/10) (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 10-018 (09/02/10) (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 10-018 (09/02/10) (Note: This TI contains safeguards material.)
2694	USEC Inc. Gas Centrifuge Facility Construction and Pre-operational 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 11/15/10 (10-023)
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)
2800/036	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

Issue Date: 02/14/13 17 TABLE OF CONTENTS

	2800/038	Inspection of the Implementation of Increased Controls for Licensees Authorized to Possess Risk Significant Radioactive Material 03/30/06	
	2800/039	(06-008) Verification of Licensee Responses to NRC Requirement for Inventories of Materials Tracked in the National Source Tracking System Pursuant to Title 10 Code of Federal Regulations, Part 20.2207 (10 CFR 20.2207) 04/09/09 (09-011)	
	2800/040	Material Control and Accounting at Nuclear Power Plants and Wet Storage Sites 03/07/11 (11-002)	
	2801	Uranium Mill 11e.(2) Byproduct Material Disposal Site and Facility Inspection Program 08/25/00 (00-014)	
	2810	Master Materials License Oversight and Inspection Program	
	2815	10/11/12 (12-023) Construction and Preoperational Inspection of Panoramic,	
	2882	Wet-Source-Storage Gamma Irradiators 03/27/01 (01-010) Transfer of NRC License Files to Agreement State(s) 12/03/01 (01-029)	
2900	Performance Appraisal Program		
	2901 2920	Team Inspections 08/24/01 (01-016) Construction Appraisal Team Inspection Program 03/29/85 (85-11)	
3000	<u>Management</u>	: Meetings	
	30050	Construction Permit Corporate Management Meeting 04/01/80	
	30703	(reactivated 07-034) Management Meetings - Entrance and Exit Interviews 01/01/82	
	30800	(reactivated 08-008) Initial Management Meeting - Materials Licensees 10/01/76 (76-26)	
3100	Reserved		
3200	Reserved		
3300	Reserved		
3400	Reserved		

## 3500 Quality Assurance

35002	Early Site Permit Pre-Docketing Quality Assurance Controls 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 (07-030)
35006	Post-Docketing Early Site Permit Quality Assurance Controls Inspection 05/29/03 (03-018)
35007,	Quality Assurance Program Implementation During Construction and Pre- Construction Activities 01/15/13 (13-002)
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)
35023	Reserved for Design Reliability Assurance Program
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	Design Certification Testing Inspection 01/27/10 (10-003)
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)
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)
35750	QA Program Measuring and Test Equipment 04/14/92 (reactivated 08-032)
35960	QA Program Evaluation of Engineering Organization 10/01/82 (reactivated 07-034)
35962	Reserved for Part 52 QA Program Evaluation of Engineering Service Organization

## 3600 Organization and Administration

36100	Inspection of 10 CFR Parts 21 and 50.55(e) Programs for
	Reporting Defects and Noncompliance 02/13/12 (12-002)
36100.01	Inspection of 10 CFR Part 21 and Programs for Reporting Defects and
	Noncompliance During Construction 02/13/12 (12-002)
36301	Operational Staffing 07/01/77 (reactivated 08-032)
36302	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	Design	Changes	Modifications
3700	DCSIGIT,	Design	Onanges,	Modifications

37002	Construction Refurbishment Process - Watts Bar Unit 2 02/05/10 (10-005)
37051	Verification of As-Builts 12/04/87 (reactivated 07-032)
37055	Onsite Design Activities 04/01/83 (reactivated 07-032)
37060	Inspections under the 10CFR Part 50.69 Special Program
	09/14/11 (11-016)
37301	Comparison of As-Built Plant to FSAR Description 03/22/85
	(reactivated 08-032)
37700	Design Changes, and Modifications 09/17/01 (01-017)
37801	Safety Reviews, Design Changes, and Modifications at
	Permanently Shutdown Reactors 08/11/97 (97-012)
37803	Reserved
37804	Aircraft Impact Assessment Inspection 02/09/12 (12-001)
37805	Engineering Design Verification Inspections 04/25/11 (11-007)

## 3800 <u>Procurement</u>

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

## 3900 Records

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

## 4000 Review and Audit

40001	Resolution of Employee Concerns 06/03/97 (97-006)
40002	Inspections to Review Allegations 06/28/02 (02-024)
40100	Independent Safety Culture Assessment Followup 04/05/11 (11-005)
40504	Part 52, Identification and Resolution of Construction Problems
	10/03/07 (07-030)
40505	Reserved for Effectiveness of Process to Identify, Resolve, and Prevent
	Construction Problems
40600	Licensee Program for Inspections, Tests, Analyses,
	and Acceptance Criteria (ITAAC) Management 03/17/10 (10-009)
40801	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 41501	Training and Qualification Effectiveness 06/13/95 (95-007) Part 52, Review of Training and Qualification Programs 04/25/11 (11-007)
	41502	Nuclear Power Plant Simulation Facilities 10/16/12 (12-024)
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) Part 52, Plant Procedures10/27/10 (10-022) 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 Procedures	
	43001 43002 43003 43004 43005	Reactive Inspection of Nuclear Vendors 10/11/94 (94-018) Routine Inspections of Nuclear Vendors 04/25/11 (11-007) Reactive Inspections of Nuclear Vendors 04/25/11 (11-007) Inspection of Commercial-Grade Dedication Programs 04/25/11 (11-007) NRC Oversight of Third-Party Organizations Implementing Quality Assurance Requirements 04/25/11 (11-007)
4400	Reserved	
4500	Geotechnical/Foundation	
	45051 45051.A	Geotechnical/Foundation Activities Procedure Review 05/29/03 (03-018) 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) Structural Concrete Work Observation 07/01/83 (reactivated 07-034) 46053 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) Structural Steel and Supports Work Observation 12/17/86 48053 (reactivated 07-032) 48055 Structural Steel and Supports Record Review 07/01/83 (reactivated 07-032) 4900 <u>Piping</u> 49001 Inspection of Erosion/Corrosion Monitoring Programs 12/11/98 (98-019) Reactor Coolant Pressure Boundary Piping QA Review 08/16/82 49051 (reactivated 07-032) 49053 Reactor Coolant Pressure Boundary Piping – Work Observation 11/19/85 (reactivated 07-032) Reactor Coolant Pressure Boundary Piping Record Review 08/16/82 49055 (reactivated 07-034) 49061 Safety-Related Piping 10/01/82 (reactivated 07-034) 49063 Piping – Work Observation 11/19/85 (reactivated 07-034) Safety-Related Piping-Records Review 10/01/82 49065 (reactivated 07-034) 5000 Mechanical Components and Equipment 50001 Steam Generator Replacement Inspection 11/08/11 (11-031) Steam Generators 12/31/96 (96-024) 50002 Pressurizer Replacement Inspection 07/07/05 (05-018) 50003 Reactor Vessels and Internals QA Review 08/16/82 (reactivated 07-034) 50051 50053 Reactor Vessel and Internals Work Observation 08/16/82 (reactivated 07-034) Reactor Vessel Material Surveillance Program 12/04/08 (08-034) 50054

	50055	Reactor Vessel and Internals Record Review 08/16/82 (reactivated 07-034)
	50054 50071	Reserved for Reactor Vessel Material Surveillance Program (Safety-Related Components – Procedure Review 04/01/83
	0007.1	(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	5100 <u>Electrical Components and Systems</u>	
	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 51065	Electric Cable – Work Observation 11/19/85 (reactivated 07-034) Electric Cable – Record Review 03/30/84 (reactivated 07-034)
	51080	Equipment Qualification 11/07/11 (11-029)
		(
5200	Instrumentation	on Systems and Components
	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)
	52055	Instrument Components and Systems – Record Review 03/30/84 (reactivated 07-034)
		(
5300 Containment Penetrations		Penetrations 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 <u>Cleanliness</u> 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) Structural Welding General Inspection Procedure 06/20/83 (83-06) 55100 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 Visual Testing Examination 03/09/99 (99-003) 57050 57060 Liquid Penetrant Testing Examination 03/09/99 (99-003) Magnetic Particle Testing Examination 03/09/99 (99-003) 57070 57080 Ultrasonic Testing Examination 03/09/99 (99-003) Nondestructive Examination Procedure Radiographic 57090 Examination Procedure Review/Work Observation/Record Review 06/14/93 (93-005) 5800 Special Processes 5900 Reserve Shutdown System 6000 Fuel Fabrication, Handling and Storage 60501 Fuel Receipt and Storage 04/30/75 (reactivated 08-032) Preparation for Refueling 07/27/95 (95-009) 60705 60710 Refueling Activities 07/27/95 (95-009) Spent Fuel Pool Safety at Permanently Shutdown Reactors 60801 08/11/97 (97-012) Operation of Intra-Unit Fuel Transfer Canister and Cask System 60845 04/26/12 (12-007) Design Control of ISFSI Components 01/16/08 (08-003) 60851 60852 ISFSI Component Fabrication by Outside Fabricators 01/16/08 (08-003) On-Site Fabrication of Components and Construction of an 60853 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)
60859	Reserved for Welding Verification Checklist for Transportation and ISFSI Components
60860	Reserved for Nondestructive Examination Procedure Visual Examination Procedure Review/Work Observation/Record Review of Transportation and ISFSI Components
60861	Reserved for Nondestructive Examination Procedure Liquid Penetrant Examination Procedure Review/Work Observation/Record Review of Transportation ISFSI Components
60862	Reserved for Nondestructive Examination Procedure Magnetic Particle Examination Procedure Review/Work Observation/Record Review of Transportation ISFSI Components
60863	Reserved for Nondestructive Examination Procedure Ultrasonic Examination Procedure Review/Work Observation/Record Review
60864	Reserved for Nondestructive Examination Procedure Radiographic Examination Procedure Review/Work Observation/Record Review of Transportation and ISFSI Components

# 6100 <u>Surveillance</u>

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

## 6200 <u>Maintenance</u>

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)
62708	Motor-Operated Valve Capability 09/12/00 (00-018)
62709	Configuration Risk Assessment and Risk Management Process 12/28/00 (00-029)
62710	Power-Operated Gate Valve Pressure Locking and Thermal Binding 04/30/10 (10-013)
62711	Reserved for Operational Reliability Assurance Process
62712	Reserved for Part 52, Maintenance Rule
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 <u>Fire Prevention/Protection</u>

64051	Procedures – Fire Prevention/Protection 07/01/79
	(reactivated 07-034)
64053	Fire Loop Installation 07/01/79 (reactivated 07-034)
64100	Postfire Safe Shutdown, Emergency Lighting and Oil Collection Capability
	at Operating and Near-Term Operating Reactor Facilities 03/16/87
	(reactivated 10-009)
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 <u>10 CFR Part 52 ITAAC Inspections</u>

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
	10/03/07 (07-030)
65001.D	Inspection of the ITAAC-Related Operational Testing Program
	08/05/09 (09-019)

Issue Date: 02/14/13 26 TABLE OF CONTENTS

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
	11/22/11 (11-037)
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)
65001.09	Inspection of ITAAC-Related Installation of Electric and Fiber Optic Cable
	08/05/09 (09-019)
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)
65001.13	Inspection of ITAAC-Related Installation of Load Handling Equipment and
	Fuel Racks 08/05/09 (09-019)
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)
65001.17	Inspection of ITAAC-Related Security Structures, Systems, and
0=004.40	Components 10/15/09 (09-024)
65001.18	Inspection of Emergency Planning ITAAC 10/30/08 (08-030)
65001.19	Inspection of Installation of ITAAC-Related Radiation Monitoring
	Components and Systems 10/20/08 (08-029)
65001.20	Inspection of Safety-Related Piping Design Acceptance Criteria (DAC)-
	Related ITAAC 06/02/11 (11-009)
65001.21	Inspection of Pipe Rupture Hazard Analysis Design Acceptance Criteria
.=	(DAC) – Related ITAAC 11/07/11 (11-029)
65001.22	Inspection of Digital Instrumentation and Control (DI&C) System/Software
0=004.00	Design Acceptance Criteria (DAC) – Related ITAAC 12/19/11 (11-041)
65001.23	Inspection of Human Factors Engineering Integrated System Validation
05004.00	ITAAC 01/03/13 (13-001)
65001.23 App	
	System Validation 08/30/12 (12-019)

	65001.26	Reserved for AP1000 HFE Task Support Verification Inspection of Human Factors Engineering Design Verification Design Acceptance Criteria (DAC) Related ITAAC 02/14/13 (13-005) A Inspection Guide for AP 1000 Human Factors Engineering Design Verification Plan/Issue Resolution Verification 02/14/13 (13-005) Inspection of Human Engineering Discrepancy (HED) Resolution Verification 02/14/13 (13-005) A Inspection Guide for AP 1000 Human Factors Engineering Issue Resolution Verification Plan 02/14/13 (13-005) Low-Level Radioactive Waste Storage Facilities 06/13/86 (reactivated 07-034)
6600	Reserved	
6700	Reserved	
6800	Reserved	
6900	Non-Power Reactor Inspection	
	69001	Class II Research and Test Reactors 02/03/04 (04-004)
	69002	Class III Research and Test Reactors 02/03/04 (04-004)
	69003	Class I Research and Test Reactor Operator Licenses,
		Requalification, and Medical Examinations 02/03/04 (04-004)
	69004	Class I Research and Test Reactor Effluent and Environmental Monitoring 02/03/047 (04-004)
	69005	Class I Research and Test Reactor Experiments 02/03/04 (04-004)
	69006	Class I Research and Test Reactors Organization and Operations 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

7030	0	Preoperational Test Procedure Test Review 10/01/83
		(reactivated 08-032)
7030	1	Overall Preoperational Test Program Review Requirements 10/01/83
7000	0	(reactivated 08-032)
7030	2	Preoperational Test Program Implementation 10/01/83
7000	4	(reactivated 08-032)
7030	4	Engineered Safety Features Test - Preoperational Test Procedure
7000	_	Review 08/06/03 (03-028)
7030	5	Reactor Protection System Test Preoperational Test Procedure Review
		Preoperational Testing Procedure Verification 01/01/79
7030	16	(reactivated 08-032) Loss of Offsite Power Test - Preoperational Test
7030	10	·
7030	7	Procedure Review 01/01/79 (reactivated 09-003)
7030	1	Containment Integrated Leak Rate Test - Procedure Review 03/07/86 (86-13)
7030	Ω	Preoperational Hot Functional Testing - PWR Procedure Review)
7030	O	10/01/83 (reactivated 08-032)
7031	1	Preoperational Testing Procedure Verification 10/01/83
7001	1	(reactivated 08-032)
7031	2	Preoperational Test Witnessing 10/01/83 (reactivated 08-032)
7031		Containment Integrated Leak Rate Test 11/12/85 (85-36)
7031		HFT Witnessing 10/01/81 (reactivated 08-032)
7031		Engineered Safety Features Test Preoperational Test Witnessing)
	•	01/01/79 (reactivated 08-032)
7031	6	Loss of Offsite Power Test Preoperational Test Witnessing 01/01/79
		(reactivated 08-032)
7031	7	Reactor Protection System Test Preoperational Test Witnessing 01/01/79
		(reactivated 08-032)
7032	3	Containment Leak Rate Test Results Evaluation 10/03/85 (85-30)
7032	4	Preoperational Test Results Evaluation - Integrated Hot Functional Test
		04/01/77 (reactivated 08-032)
7032	5	Preoperational Test Results Evaluation - Reactor Protection System
		01/01/79 (reactivated 08-032)
7032	6	Preoperational Test Results Evaluation - Loss of Offsite Power 01/01/79
		(reactivated 08-032)
7032	9	Preoperational Test Result Evaluation Verification 10/01/83
	_	(reactivated 08-032)
7033	31	Vibration Test- Preoperational Test Procedure Review 01/01/79
	_	(reactivated 09-003)
7033	32	Control Rod System Test - Preoperational Test Procedure Review
		01/01/79 (reactivated 09-003)
7033	33	Chemical Control System Test - Preoperation Test Procedure
7000		Review 01/01/79 (reactivated 09-003)
7033	34	Engineered Safety Features Act. System Test - Preoperational
7000	. –	Test Procedure Review 01/01/79 (reactivated 09-003)
7033	55	Safety and Relief Valve Test - Preoperational Test Procedure
		Review 01/01/79 (reactivated 09-003)
Date:	02/14/13	29 TABLE OF CONTENTS

70336	Residual / Decay Heat Removal System Test - Preoperational Test Review 01/01/79 (reactivated 09-003)
70337	Main Stream Isolation Valve Test - Preoperational Test Procedure Review) 01/01/79 (reactivated 09-003)
70338	Auxilliary Feedwater System Test -Preoperational Test Procedure Review 01/01/79 (reactivated 09-003)
70339	Component Cooling Water System Test - Preoperational; Test Procedure Review 01/01/79 (reactivated 09-003)
70340	D.C. Power System Test - Preoperational Test Procedure Review 01/01/79 (reactivated 09-003)
70341	Emergency/Standby Power Supply System Test - Preoperational Teat Procedure Review 01/01/79 (reactivated 09-003)
70342	Containment Combustable Gas Control System Test - Preoperational Test Procedure Review 01/01/79 (reactivated 09-003)
70344	Containment Isolation Vales Test - Preoperational Test Procedure Review 01/01/79 (reactivated 09-003)
70345	Containment Heat/Cool/Vent. System Test - Preoperational Test Procedure Review 01/01/79 (reactivated 09-003)
70346	Aux. Bldg. Heat /Cool/Vent. System Test - Preoperational Test Procedure Review 01/01/79 (reactivated 09-003)
70347	Pressurizer and Level Control System Test- Preoperational Test Procedure Review 01/01/79 (reactivated 09-003)
70348	Main Feedwater Control System Test - Preoperational Test Procedure Review 01/01/79 (reactivated 09-003)
70349	Reactor Coolant Leak Detection System Test - Preoperational Test Procedure Review 01/01/79 (reactivated 09-003)
70350	Loose Parts Monitoring System Test - Preoperational Test Procedure Review 01/01/79 (reactivated 09-003)
70351	Integrated Reactor Control System Test - Preoperational Test Procedure Review 01/01/79 (reactivated 09-003)
70352	Remote Reactor Shutdown Test - Preoperational Test Procedure Review 01/01/79 (reactivated 09-003)
70353	Cranes, Hoists and Lifting Equipment Test - Preoperational Test Procedure Review 01/01/79 (reactivated 09-003)
70354	Nuclear Instrumentation System Test - Preoperational Test Procedure Review 01/01/79 (reactivated 09-003)
70355	Compressed Gas System Test - Preoperational Test Procedure Review 01/01/79 (reactivated 09-003)
70362	Reactor Coolant System Hydrostatic Test Procedure Review 10/01/83 (reactivated 08-032)
70367 70368	Reserved for Part 52 Pre-operational Test Program Implementation Part 52 Containment Leak Rate Testing (Programmatic) 11/07/11 (11-029)
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)

70431	Vibration Test - Preoperational Test Witnessing 01/01/79 (reactivated 09-003)
70432	Control Rod System Test - Preoperational Test Witnessing 01/01/79 (reactivated 09-003)
70433	Chemical Control System Test - Preoperational Test Witnessing 01/01/79 (reactivated 09-003)
70434	Engineered Safety Features Act. System Test - Preoperational Test Witnessing 01/01/79 (reactivated 09-003)
70435	Safety and Relief Valves Test - Preoperational Test Witnessing 01/01/79 (reactivated 09-003)
70436	Residual / Decay Heat Removal System Test - Preoperational Test Witnessing 01/01/79 (reactivated 09-003)
70437	Main Stream Isolation Valve Test - Preoperational Test Witnessing 01/01/79 (reactivated 09-003)
70438	Auxilliary Feedwater System Test - Preoperational Test Witnessing 01/01/79 (reactivated 09-003)
70439	Component Cooling Water System Test - Preoperational Test Witnessing 01/01/79 (reactivated 09-003)
70440	D.C. Power System Test - Preoperational Test Witnessing 01/01/79 (reactivated 09-003)
70441	Emergency / Standby Power Supply System Test - Preoperational Test Witnessing 01/01/79 (reactivated 09-003)
70442	Containment Combustible Gas Control System Test - Preoperational Test Witnessing 01/01/79 (reactivated 09-003)
70443	Containment Spray System Test - Preoperational Test Witnessing 01/01/79 (reactivated 09-003)
70444	Containment Isolation Valve Test - Preoperational Test Witnessing 01/01/79 (reactivated 09-003)
70445	Containment Heat/Cool/Vent. System Test - Preoperational Test Witnessing 01/01/79 (reactivated 09-003)
70446	Auxiliary Bldg. Heat/Cool/Vent. System Test - Preoperational Test Witnessing 01/22/09 (09-003)
70447	Pressurizer and Level Control System Test - Preoperational Test Witnessing 01/01/79 (reactivated 09-003)
70448	Main Feedwater Control System Test - Preoperational Test Witnessing 01/01/79 (reactivated 09-003)
70449	Reactor Coolant Leak Detection System Test - Preoperational Test Witnessing 01/01/79 (reactivated 09-003)
70450	Loose Parts Monitoring System Test - Preoperational Test Witnessing 01/01/79 (reactivated 09-003)
70451	Integrated Reactor Control System Test - Preoperational Test Witnessing 01/01/79 (reactivated 09-003)
70452	Remote Reactor Shutdown Test - Preoperational Test Witnessing 01/01/79 (reactivated 09-003)
70453	Cranes, Hoists and Lifting Equipment Test - Preoperational Test Witnessing 01/01/79 (reactivated 09-003)
70454	Nuclear Instrumentation System Test - Preoperational Test Witnessing 01/01/79 (reactivated 09-003)

70455	Compressed Gas System Test - Preoperational Test Witnessing 01/01/79
	(reactivated 09-003)
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 11/23/11 (11-038)
71003	Post-Approval Site Inspection for License Renewal 10/31/08 (08-031)
71004	Power Uprate 04/30/10 (10-013)
71007	Reactor Vessel Head Replacement Inspection 06/04/07 (07-018)
71013	Reserved for Review of License Renewal Commitments for Plants in Timely Renewal with Extended Delay in the NRC Review of Application
71111	Reactor Safety-Initiating Events, Mitigating Systems,
	Barrier Integrity 10/28/11 (11-025)
71111.01	Adverse Weather Protection 11/09/09 (09-026)
71111.04	Equipment Alignment 10/28/11 (11-025)
71111.05AQ	Fire Protection (Annual / Quarterly) 09/30/10 (10-020)
71111.05N	Reserved for Fire Protection - NFPA 805 (Triennial)
71111.05T	Fire Protection (Triennial) 01/31/13 (13-004)
71111.05XT	Fire Protection - NFPA 805 (Triennial) 01/31/13 (13-004)
71111.06	Flood Protection Measures 10/28/11 (11-025)
71111.07	Heat Sink Performance 07/06/10 (10-015)
71111.08	In-service Inspection Activities 11/23/11 (11-038)
71111.11	Licensed Operator Requalification Program 08/27/12 (12-018)
71111.12	Maintenance Effectiveness 04/29/11 (11-008)
71111.13	Maintenance Risk Assessments and Emergent Work Control
	10/28/11 (11-025)
71111.15	Operability Determinations and Functionality Assessments
	10/28/11 (11-025)
71111.17	Evaluations of Changes, Tests, or Experiments and Permanent Plant
	Modifications 10/31/08 (08-031)
71111.18	Plant Modifications 12/21/10 (10-028)
71111.19	Post Maintenance Testing 11/08/11 (11-031)
71111.20	Refueling and Other Outage Activities 11/09/09 (09-026)
71111.21	Component Design Bases Inspection 08/14/12 (12-017)
71111.22	Surveillance Testing 11/08/11 (11-031)
71113	Reserved for Review of License Renewal Commitments for Plants in
	Timely Renewal
71114	Reactor Safety-Emergency Preparedness 05/29/12 (12-008)
71114.01	Exercise Evaluation 05/29/12 (12-008)
71114.02	Alert and Notification System Evaluation 05/29/12 (12-008)

71114.03	Emergency Response Organization Staffing and Augmentation System
71114.04	05/29/12 (12-008) Emergency Action Level and Emergency Plan Changes
71114.04	10/31/08 (08-031)
71114.05	Maintenance of Emergency Preparedness 05/29/12 (12-008)
71114.06	Drill Evaluation 05/29/12 (12-008)
71114.07	Exercise Evaluation-Hostile Action (HA) Event 12/02/09 (09-029)
71114.08	Exercise Evaluation-Scenario Review 09/19/12 (12-021)
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 71122	Radiation Monitoring Instrumentation 03/06/02 (02-008) Public Radiation Safety 01/24/03 (03-001)
71122.01	Radioactive Gaseous and Liquid Effluent Treatment and
71122.01	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)
71124	Radiation Safety - Public and Occupational 12/02/09 (09-030)
71124.01	Radiological Hazard Assessment and Exposure Controls
	12/02/09 (09-030)
71124.02	Occupational ALARA Planning and Controls 12/02/09 (09-030)
71124.03	In-Plant Airborne Radioactivity Control and Mitigation 12/02/09 (09-030)
71124.04 71124.05	Occupational Dose Assessment 12/02/09 (09-030) Radiation Monitoring Instrumentation 12/02/09 (09-030)
71124.06	Radioactive Gaseous and Liquid Effluent Treatment 12/02/09 (09-030)
71124.07	Public Radiation Safety 12/02/09 (09-030)
71124.08	Radioactive Solid Waste Processing and Radioactive Material Handling,
	Storage, and Transportation 12/02/09 (09-030)
71130	Security 02/24/10 (10-007)
71130.01	Access Authorization 02/24/10 (10-007)
71130.02	Access Control 02/24/10 (10-007)
71130.03	Contingency Response - Force-On-Force Testing
71120.02	02/05/09 (09-005)
71130.03	Contingency Response - Force-On-Force Testing 06/27/12 (12-011)
71130.04	Equipment Performance, Testing and Maintenance
7 1 100.04	02/24/10 (10-007)
71130.05	Protective Strategy Evaluation 02/24/10 (10-007)
71130.06	Protection of Safeguards Information 09/07/12 (12-020)
71130.07	Security Training 02/24/10 (10-007)
71130.08	Fitness for Duty Program 09/07/12 (12-020)
71130.10	Reserved for Information Technology Security

71130.11	Material Control & Accounting (MC&A) 12/10/08 (08-035)
71130.12	Reserved for Physical Protection of Shipments of Irradiated Fuel
71130.13	Reserved for Security Inspections Conducted by Resident Inspectors
71130.14	Review of Power Reactor Target Sets 08/16/11 (11-012)
71150	Discrepant or Unreported Performance Indicator Data 01/04/07 (07-001)
71151	Performance Indicator Verification 09/26/12 (12-022)
71152	Problem Identification and Resolution 01/31/13 (13-004)
71153	Follow-up of Events and Notices of Enforcement Discretion
	12/05/2011 (11-039)
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 72301 72302 72303	Startup Test Procedure Review 01/20/84 (84-04) Startup Test Results Evaluation 01/20/84 (84-04) Startup Test Witnessing and Observation 01/20/84(84-04) 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 07/01/80 (80-16)
72524	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
	Circuit or Rod Drop Measurement 07/01/80 (80-16)
72566B	Pre-critical Test Procedure Review - RES Lead Test or or Pressurizer Effectiveness 07/01/80 (80-16)
72570B	Initial Criticality Procedure Review (PWR) 07/01/80 (80-16)
72572B	Low Power Test Procedures Review Moderator Temperature
	Coefficient and Boron Worth or Control Rod Worth and
	Pseudo Rod Ejection Worth 07/01/80 (80-16)
72576B	Power Ascension Test Procedure Review - Natural
	Circulation or Power Reactivity Coefficient Measurement 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	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)
	·

## 7300 <u>In-service Inspection</u>

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 73753 73754 73755 73756 73757 73758	Pre-service Inspection Data Review and Evaluation 01/01/79 (reactivated 07-034) In-service Inspection 06/24/98 (98-010) Part 52 - Preservice Inspection - Non-Destructive Examination 10/27/10 (10-022) In-service Inspection - Data Review and Evaluation 10/27/10 (10-022) In-service Testing of Pumps and Valves 07/27/95 (95-009) Part 52 In-service Inspection - Data Review and Evaluation 04/18/08 (08-012) Reserved for In-service Testing
7400	Reserved	
7500	Reserved	
7600	Reserved	
7700	Reserved	
7800	High Level Wa	<u>aste</u>
	78010	10 CFR Part 21 Program 09/11/08 (08-026)
7900	Water Chemis	<u>try</u>
7900	Water Chemis	LWR Water Chemistry Control and Chemical Analysis – Audits 02/24/89
7900		LWR Water Chemistry Control and Chemical Analysis – Audits 02/24/89 (reactivated 08-032) Plant Systems Affecting Plant Water Chemistry 12/31/91
7900	79501	LWR Water Chemistry Control and Chemical Analysis – Audits 02/24/89 (reactivated 08-032) Plant Systems Affecting Plant Water Chemistry 12/31/91 (reactivated 08-032) Reserved for Part 52 LWR Water Chem. Control & Chem. Analysis (Pre-
7900	79501 79502	LWR Water Chemistry Control and Chemical Analysis – Audits 02/24/89 (reactivated 08-032) Plant Systems Affecting Plant Water Chemistry 12/31/91 (reactivated 08-032)
7900	79501 79502 79503 79504	LWR Water Chemistry Control and Chemical Analysis – Audits 02/24/89 (reactivated 08-032) Plant Systems Affecting Plant Water Chemistry 12/31/91 (reactivated 08-032) Reserved for Part 52 LWR Water Chem. Control & Chem. Analysis (Pre-Op and Supp) Reserved for Part 52 Plant systems Affecting Plant Water Chem. Control and monitoring of Radiological Source Term 04/17/00 (00-006)
	79501 79502 79503 79504 79702	LWR Water Chemistry Control and Chemical Analysis – Audits 02/24/89 (reactivated 08-032) Plant Systems Affecting Plant Water Chemistry 12/31/91 (reactivated 08-032) Reserved for Part 52 LWR Water Chem. Control & Chem. Analysis (Pre-Op and Supp) Reserved for Part 52 Plant systems Affecting Plant Water Chem. Control and monitoring of Radiological Source Term 04/17/00 (00-006)    Protection
	79501 79502 79503 79504 79702 Environmenta	LWR Water Chemistry Control and Chemical Analysis – Audits 02/24/89 (reactivated 08-032) Plant Systems Affecting Plant Water Chemistry 12/31/91 (reactivated 08-032) Reserved for Part 52 LWR Water Chem. Control & Chem. Analysis (Pre-Op and Supp) Reserved for Part 52 Plant systems Affecting Plant Water Chem. Control and monitoring of Radiological Source Term 04/17/00 (00-006)  I Protection Environmental Protection - Initial and Periodic Inspections 06/22/05 (05-016) Reserved for Part 52 Environmental Protection - Initial & Periodic
	79501 79502 79503 79504 79702 Environmenta 80210	LWR Water Chemistry Control and Chemical Analysis – Audits 02/24/89 (reactivated 08-032) Plant Systems Affecting Plant Water Chemistry 12/31/91 (reactivated 08-032) Reserved for Part 52 LWR Water Chem. Control & Chem. Analysis (Pre-Op and Supp) Reserved for Part 52 Plant systems Affecting Plant Water Chem. Control and monitoring of Radiological Source Term 04/17/00 (00-006)  Let Protection Environmental Protection - Initial and Periodic Inspections 06/22/05 (05-016)

80522	Part 52, Radiological Environmental Monitoring Program (REMP) 07/01/08 (08-019)
80600	Reserved for Independent Assessment of Site Radiological Conditions
80721	Radiological Environmental Monitoring 09/17/01(01-017)

# 8100 Physical Security

81000	Reserved for Security Construction Inspection Program
81000.01	Access Authorization 09/07/12 (12-020)
81000.02	Access Control 09/07/12 (12-020)
81000.03	Performance Evaluation Program 09/07/12 (12-020)
81000.04	Equipment Performance, Testing and Maintenance 09/07/12 (12-020)
81000.05	Protective Strategy Evaluation 01/03/13 (13-001)
81000.07	Security Training 09/07/12 (12-020)
81000.08	Fitness for Duty Operational Program 09/07/12 (12-020)
81000.10	Security Organization, Management Effectiveness, Program Reviews and
	Audits 09/07/12 (12-020)
81000.11	Material Control and Accounting 09/07/12 (12-020)
81001.1	Independent Spent Fuel Storage Installation(s) at Operating Plants
	02/02/04 (04-003)
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
	Controlled Access Areas 09/10/07 (07-027)
81055	Reserved for Part 52 Physical Barriers - Vital Areas, Material Access
0.40=0	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, and
	Strategic Special Nuclear Material (SSNM) 08/05/09 (09-019)
81074	Access Control - Vehicles 12/22/08 (08-037)
81075	Reserved for Part 52 Access Control - (Power Reactors) – Packages
81076	Reserved for Part 52 Access Control - Vehicles
81078	Detection Aids - Protected Areas 11/23/09 (09-028)
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
81120	Inspection Requirements and Guidance for Additional Security Measures
	for the Physical Protection in Transit for Radioactive Material Quantities of
	Concern 04/01/10 (10-010)
	(Note this IP contains safeguards material)
81310	Physical Protection of Shipments of Irradiated Fuel
	12/22/08 (08-037)
81311	Physical Security Requirements for Independent Spent Fuel Storage
	Installations 06/02/11 (11-009)
81335	Physical Protection of Shipments of Special Nuclear Material of Moderate
	Strategic Significance (SNM-MSS) 12/02/09 (09-029)
81340	Physical Protection of Shipments of Special Nuclear Material of Low
	Strategic Significance (SNM-LSS) 11/23/09 (09-028)
81360	General Requirements for Physical Protection of Formula
	Quantities of Special Nuclear Material in Transit 12/02/09 (09-029)
81365	Records, Reports, and Planning for Physical Protection of Formula
	Quantities of Special Nuclear Material in Transit 11/23/09 (09-028)
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 11/23/09 (09-028)
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 11/23/09 (09-028)

81431	Fixed Site Physical Protection of Special Nuclear Material of Low Strategic Significance 10/24/12 (12-025)
81501	Personnel Training and Qualification - General Requirements 12/02/09 (09-029)
81502	Fitness for Duty Program 12/22/08 (08-037)
81503	Reserved for Part 52 Personnel Training and Qualification - Gen. Requirements
81504	Fitness for Duty Program for Construction 10/15/09 (09-024)
81601	Safeguards Contingency Plan - Implementation Review 12/22/08 (08-037)
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) 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)
82002	Part 52, Emergency Preparedness Program 11/08/11 (11-030)
82002.01	Facilities and Equipment 11/08/11 (11-030)
82002.02	Procedure Quality 11/08/11 (11-030)
82002.03	Review of Exercise Objectives and Exercise Scenario for Power Reactors 11/08/11 (11-030)
82002.04	Emergency Preparedness Exercises 11/08/11 (11-030)
82002.05	Emergency Response Organization On-Shift Staffing and Augmentation Drills 11/08/11 (11-030)
82002.06	Emergency Response Organization, Dose Assessment Drills 11/08/11 (11-030)
82002.07	Operational Status of the Emergency Preparedness Program 11/08/11 (11-030)
82201	Emergency Detection and Classification 03/23/05 (05-008)
82202	Protective Action Decision Making 03/23/05 (05-008)

## 8300 Radiation Protection

83100	Occupational Exposure During SAFSTOR and DECON
	12/30/91 (91-022)
83311	Reserved for Part 52, Radiation Protection During Construction

83501	Significant Uncontrolled Radiation Exposures 04/17/00 (00-006)
83502.01	Radioactive Gaseous and Liquid Treatment and Monitoring
	Systems 04/17/00 (00-006)
83502.02	Radioactive Material Process and Transportation 04/17/00 (00-006)
83502.03	Radiological Environmental Monitoring Program and
	Radioactive Material Control Program 04/17/00 (00-006)
83521	Radiation Protection - Startup 01/01/84 (84-01)
83522	Radiation Protection, Plant Chemistry, Radwaste, and Environmental: Organization and Management Controls 12/31/91 (reactivated 08-032)
83523	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	Part 52 External Occupational Exposure Control and Personal Dosimetry 10/27/10 (10-022)
83534	Part 52, Internal Exposure Control and Assessment 10/27/10 (10-022)
83535	Part 52, Control of Radioactive Materials and Contamination, Surveys, and Monitoring 10/27/10 (10-022)
83536	Part 52 Facilities and Equipment 10/27/10 (10-022)
83537	Part 52 Maintaining Occupational Exposures ALARA 10/27/10 (10-022)
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,
00.20	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)
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 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 <u>Material Control and Accountability</u>

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)

Issue Date: 02/14/13 41 TABLE OF CONTENTS

85203	Management Structure and Controls 09/09/10 (10-019)
85205	Facility Operations and Internal Controls 09/09/10 (10-019)
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)
85303	Material Control and Accounting Management Structure and Personnel
	Training and Qualification 09/09/10 (10-019)
85305	Item Monitoring 09/09/10 (10-019)
85307	Process Monitoring 12/21/2010 (10-027)
85309	Measurement Systems and Control 10/20/10 (10-021)
85311	Physical Inventory Program 11/15/10 (10-023)
85313	Alarm Resolution Program 11/15/10 (10-023)
85315	Internal Control 12/21/2010 (10-027)
85401	Management Structure 09/09/10 (10-019)
85402	Measurement Program 10/20/10 (10-021)
85403	Measurement Control Program 10/20/10 (10-021)
85404	Physical Inventory Program for Low Enriched Uranium Fuel Facilities
	11/15/10 (10-023)
85405	Item Control 09/09/10 (10-019)
85406	Resolution Program for Low Enriched Uranium Fuel Facilities 1
	1/15/10 (10-023)
85407	Assessment Program 11/29/10 (10-024)
85408	Recordkeeping 11/29/10 (10-024)
85420	Inspection of IAEA Safeguards for Inspectors at Power
	Reactors 06/22/88 (88-07)
85501	Physical Inventory Program for Uranium Enrichment Facilities
	11/15/10 (10-023)
85502	Detection Program for Uranium Enrichment Facilities 12/21/2010 (10-027)
85503	Resolution Program for Uranium Enrichment Facilities
	11/15/10 (10-023)
	•

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

Design, Fabrication, Testing, and Maintenance of
Transportation Packagings 01/16/08 (08-003)
Spent Fuel Pool Activities 09/17/01 (01-017)
Transportation of Radioactive Materials (49 CFR Parts 100-
179 and 10 CFR Part 71) 04/17/00 (00-006)
Inspection of Transportation Activities 10/30/08 (08-030)
Solid Radioactive Waste Management and Transportation of Radioactive Materials 03/15/94 (94-006)

#### 8700 Materials Safety Inspection

87102	Maintaining Effluents from Materials Facilities As Low As Is Reasonably Achievable (ALRA) 04/04/00 (00-005)
87103	Inspection of Material Licensees Involved in an Incident or
000	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
	08/24/11 (11-014)
87132	Brachytherapy Programs 04/16/12 (12-006)
87133	Medical Gamma Sterotactic Radiosurgery and Teletherapy
	Programs 08/24/11 (11-014)
87134	Medical Broad-Scope Programs 08/24/11 (11-014)
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
	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 11/07/11 (11-027)	
88016	Nuclear Criticality Safety Evaluations and Analyses 07/28/06 (06-019)	
88017	Criticality Alarm Systems 11/07/11 (11-027)	
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	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 (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
33.33	(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
30.00	0925/06 (06-025)
88136	Mechanical Components 7/25/07 (07-023)
30.00	

88137	Electric Cable 04/01/10 (10-010)
88138	Electrical Components and Systems 08/08/07 (07-024)
88139	Ventilation and Confinement Systems 08/08/07 (07-024)
88140	Instrumentation and Controls Systems 04/01/10 (10-010)
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 Reportable Matters and Report Reviews

90001	Construction Regulatory Response Column Inspections 10/27/10 (10-022)
90002	Construction Degraded Performance Column Inspections 11/22/11 (11-037)
90003	Construction Multiple/Repetitive Degraded Cornerstone Column Inspection 02/09/2012 (12-001)
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	In-office Review of Written Reports of Non-routine 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	Non-routine Reporting Program 09/17/01 (01-017)

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

## 9200 Planned Non-Routine Activities

92050	Review of Quality Assurance for Extended Construction Delay 04/04/00 (00-005)
92700	Onsite Follow-up of Written Reports of Non-routine Events at Power Reactor Facilities 12/31/98 (98-020)
92701	Follow-up 03/13/07 (07-010)
92702	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 05/13/09 (09-012)
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
92717	IE Bulletins for Information and IE Information Notice Followup 09/25/85 (reactivated 10-020)
92720	Corrective Action 09/28/98 (reactivated 07-034)
92721	Reserved for Part 52 Follow-up on Corrective Actions for Violations and Deviations
92722	Follow up Inspection for Any Severity Level I or II Traditional Enforcement Violation or for Two or More Severity Level III Traditional Enforcement Violations in a 12-Month Period 08/11/09 (09-020)
92723	Follow Up Inspection for Three or More Severity Level IV Traditional Enforcement Violations in the Same Area is a 12-Month Period 08/11/09 (09-020)
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 09/08/09 (09-021)	
93002 Managing Fatigue 11/09/09 (09-026)	
93100 Safety-Conscious Work Environment Issue of Concern Foll	owup
08/18/11 (11-013)	
93702 Prompt Onsite Response to Events at Operating Power	
Reactors 09/17/01 (01-017)	
93800 Augmented Inspection Team 03/23/09 (09-010)	
93801 Safety System Functional Inspection (SSFI) 07/25/96 (96-0	16)
93802 Operational Safety Team Inspection (OSTI) 11/27/89 (89-0	115)

93803	Safety Systems Outage Modifications Inspection 04/27/89 (89-008)
93804	Risk-Based Operational Safety and Performance Inspection
	01/15/92 (92-001
93805	Maintenance Program 08/06/93 (93-070)
93806	Operational Readiness Assessment Team Inspections 09/29/98 (98-015)
93807	Systems Based Instrumentation and Control Inspection 01/29/93 (93-001)
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 11/15/11 (11-033)
93813	Reserved for Part 52 Operational Readiness Assessment Team
	Inspection
93814	Independent Design Verification Program 11/15/10 (10-023)
93815	Part 52, Operational Programs Implementation Inspection
	12/23/11 (11-043)

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

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	Supplemental Inspection for One or Two White Inputs in a Strategic
	Performance Area 02/09/11 (11-001)
95002	Supplemental Inspection for One Degraded Cornerstone or Any Three
	White Inputs in a Strategic Performance Area 02/09/11 (11-001)
95003	Supplemental Inspection for Repetitive Degraded Cornerstones, Multiple
	Degraded Cornerstones, Multiple Yellow Inputs or
	One Red Input 02/09/11 (11-001)
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	NRC Force-on-Force Inspections at Category Fuel Cycle Facilities
	08/24/11 (11-014)

9700 Reserved

9800 Reserved

9900 Guidance<sup>2</sup>

Technical Guidance 05/12/86 (86-26) 9900

#### **PART**

## **GUIDANCE**

#### **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)
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)

TABLE OF CONTENTS

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) [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 09/11/07 (07-028)

[TG 9900 SAFETY]

#### **PART**

#### **10 CFR GUIDANCE**

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

10 CFR71 and

49 CFR171-178 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)

<u>Interpretations</u>

**END**