TABLE OF CONTENTS

PART

CHAPTER

0000 NRC Inspection Manual¹

0040 Preparing, Revising, and Issuing Documents for the NRC

Inspection Manual 01/05/18 (18-001)

0100 Program Responsibilities

0102	Oversight and Objectivity of Inspectors and Examiners
	at Reactor Facilities 04/24/13 (13-012)
0111	Monitoring Activities for the DOE West Valley
	Demonstration Project 03/04/02 (02-006)

0200 Program Management Reports

0300 Inspection Policy

0301	Coordination of NRC Visits to Commercial Reactor Sites 08/24/01 (01-016)
0302	RESERVED Coordination of Regional Requests for NRR Staff To Conduct Inspection Activities
0305	Operating Reactor Assessment Program 06/21/18 (18-016)
	. ,
0306	Planning, Tracking, and Reporting of the Reactor Oversight Process
	12/23/15 (18-012)
0307	Reactor Oversight Process Self-Assessment Program
	11/23/15 (15-025)
0307, App A	Reactor Oversight Process Self-Assessment Metrics 08/25/17 (17-016)
	ROP Realignment Process 08/25/17 (17-016)
0307, App C	Reactor Oversight Process Self-Assessment Regional Peer Reviews
, , , ,	07/15/16 (16-016)
0308	Reactor Oversight Process (ROP) Basis Document 10/04/17 (17-021)
0308, Att 1	Technical Basis for Performance Indicators 11/08/07 (07-035)
0308, Att 2	Technical Basis for Inspection Program 01/05/18 (18-001)
•	
0308, Att 3	Technical Basis for Significance Determination Process
	06/16/16 (16-013)

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

- 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 05/02/18 (18-010)
- 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 3 App L Technical Basis for the B.5.b Significance Determination Process 03/28/17 (17-008)
- 0308 Att 3 App M Technical Basis for the Significance Determination Process (SDP)
 Using Qualitative Criteria 06/11/14 (14-012)
- 0308, Att 4 Technical Basis for Assessment 05/15/17 (17-010) 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)
- 0309 Reactive Inspection Decision Basis for Reactors 10/28/11 (11-023)
- O310 Aspects Within the Cross-Cutting Areas 12/04/14 (14-029)
- Technical Assistance for Radiation Safety Inspections at Nuclear Fuel Cycle Facilities and Materials Licensees' Sites 06/06/02 (02-023)
- Operability Determinations and Functionality Assessments for Conditions Adverse to Quality or Safety 11/20/17 (17-026)
- O327 Steam Generator Tube Primary-to-Secondary Leakage 11/01/18 (18-037)
- O330 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 03/01/18 (18-006)
- 0351 Now IMC 0375
- 0375 Implementation of the Reactor Oversight Process at Reactor Facilities in

an Extended Shutdown Condition for Reasons Not Related to

Performance 11/13/15 (15-024)

0400 Enforcement Policy

0410 Notices of Enforcement Discretion

03/13/13 (13-009)

0410, App A RESERVED for Design Compliance Enforcement Discretion

0500 <u>Tracking Systems</u>

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

0608	Performance Indicator Program 09/26/12 (12-022)
0609	Significance Determination Process 10/23/18 (18-036)
0609.01	Significance and Enforcement Review Panel Process
	10/23/18 (18-036)
0609.02	Process for Appealing NRC Characterization of Inspection
	Findings (SDP Appeal Process) 06/08/11 (11-010)
0609.02	Process for Appealing NRC Characterization of Inspection
	Findings (SDP Appeal Process) Effective Date: 01/01/2019
	10/23/18 (18-036)
0609.03	Senior Reactor Analyst (SRA) and Risk Analyst Support Expectations
	04/29/15 (15-008)
0609.04	Initial Characterization of Findings 10/07/16 (16-026)
0609.05	Inspection Findings Review Board 12/07/18 (18-041)
0609, App A	Determining the Significance of Reactor Inspection Findings for At-
, 11	Power Situations 06/19/12 (12-010)
0609, App B	Emergency Preparedness Significance Determination Process
	09/22/15 (15-017)
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	Security Significance Determination Process for
	Power Reactors 10/08/15 (15-019)
0609, App E	Part I Baseline Security Significance Determination Process for
	Power Reactors 09/17/18 (18-032)
0609, App E	Part II Force-on-Force Significance Determination Process
	01/15/14 (14-001)
0609, App E	Part III Construction Fitness-for-Duty Significance Determination Process
	- Pilot 07/26/18 (18-021)
0609, App E	Part IV Cyber Security Significance Determination Process for Power
	Reactors 08/15/17 (17-014)
0609, App F	Fire Protection Significance Determination Process 05/02/18 (18-010)
	Att 1 Fire Protection SDP Worksheet 05/02/18 (18-010)
	Att 2 Degradation Rating Guidance 05/02/18 (18-010)
0609, App F, A	Att 3 Guidance for Identifying Credible Fire Scenarios
	05/02/18 (18-010)
	Att 4 Guidance for Determining Fire Ignition Frequency 05/02/18 (18-010)
	Att 5 Characterizing Fire Ignition Sources 05/02/18 (18-010)
0609, App F, A	Att 6 Guidance for the Identification of Targets and Their Ignition

- and Damage Criteria 05/02/18 (18-010)
- 0609, App F, Att 7 Guidance for Fire Non-Suppression Probability Analysis 05/02/18 (18-010)
- 0609, App F, Att 8 Tables and Plots Supporting the Phase 2 Risk Quantification 05/02/18 (18-010)
- 0609, App G Shutdown Operations Significance Determination Process 05/09/14 (14-011)
- 0609, App G, Att 1 Shutdown Operations Significance Determination Process
 Phase 1 Operational Checklists for Both PWRs and BWRs
 05/09/14 (14-011)
- 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 Licensed Operator Requalification Significance Determination Process 01/10/19 (19-001)
- 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)
- 0609 App N RESERVED SDP for ISFSI at Operating Plants
- 0609 App O Significance Determination Process for Mitigating Strategies and Spent Fuel Pool Instrumentation 10/07/16 (16-026)
- Nuclear Material Safety and Safeguards Inspection Reports 05/18/04 (04-014)
- O611 Power Reactor Inspection Reports 12/13/17 (17-029) Effective Date: 01/01/18
- 0611, Exh 1 Standard Reactor Inspection Report Outline 12/13/17 (17-029) Effective Date: 01/01/18
- 0611, Exh 2 Inspection Report Documentation Matrix 12/13/17 (17-029) Effective Date: 01/01/18
- 0611, App A Acronyms Used in Inspection Reports 12/13/17 (17-029) Effective Date: 01/01/18
- 0611, App C Guidance for Supplemental Inspection Reports 12/13/17 (17-029) Effective Date: 01/01/18
- 0611, App D Guidance for Problem Identification and Resolution Inspection Reports 12/13/17 (17-029) Effective Date: 01/01/18
- 0612 Issue Screening 05/03/17 (17-009)
- O612 Power Reactor Inspection Reports 05/06/16 (16-012)
- 0612, Exh 1 Standard Reactor Inspection Report 02/07/14 (14-005)
- 0612, Exh 2 Inspection Report Documentation Matrix 09/04/14 (14-020)
- 0612, Exh 3 RESERVED for Sample Reactor Inspection Report (temporarily suspended pending revision)
- 0612, Exh 4 Inspection Report Cover Letter Templates 07/26/16 (16-018)
- 0612, App A Acronyms Used in IMC 0612 12/04/08 (08-034)
- 0612, App B Issue Screening 09/07/12 (12-020)

	0612, App B	Documentation Guidance for Supplemental Inspections 10/28/11 (11-024)
		Exh1 Sample Supplemental Inspection Report for IP 95001 and IP 95002
	оо :=, : .pp о =	10/28/11 (11-024)
	0612, App D	Guidance for Documenting Inspection Procedure 71152,
		"Identification and Resolution of Problems" 08/13/13 (13-017)
	0612, App E	Examples of Minor Issues 10/01/18 (18-033)
	0612, App G	Emergency Planning Cornerstone- Specific Supplemental Guidance for Appendix B Screening Figures 1 and 2 09/09/13 (13-020)
	0613	Power Reactor Construction Inspection Reports 10/01/18 (18-033)
	0614	Documenting 10 CFR Part 52 Construction Audit Activities
		10/03/07 (07-030)
	0615	Research and Test Reactor Inspection Reports
	0040	06/23/04 (04-018) First Civile Sefety and Sefety and Inspection Forestte 09/45/47 (47,044)
	0616 0617	Fuel Cycle Safety and Safeguards Inspection Reports 08/15/17 (17-014) Vendor and Quality Assurance Implementation Inspection Reports
	0017	09/06/18 (18-030)
	0620	Inspection Documents and Records 09/12/11 (11-015)
0700	Camanauniaatia	ana with Licenses
0700	Communication	ons with Licensees
	0730	Generic Communications Regarding Materials and Fuel Cycle Issues
		03/21/08 (08-011)
0800	Feedback - Im	nproving the Regulatory Process
0000	1 eedback - III	iproving the regulatory i rocess
	0801	Inspection Program Feedback Process 12/19/16 (16-034)
	0802	RESERVED for the Part 52 Program
0900	Reporting of F	Events/Incidents
0000	reporting or E	<u> verns/moldents</u>
1000	Regional Office	ce Program Interfaces
	1007	Interfacing Activities between Regional Offices of NRC and
	1007	OSHA 05/06/16 (16-012)
		,
4400	NI CC C	
1100	Notifications of	of Meetings and Conferences
	1120	Preliminary Notifications 09/13/13 (13-021)
		, ,
4000	I (5	
1200	Inspector Reg	<u>uirements</u>
	1201	Conduct of Employees 07/29/16 (16-019)
	1202	Senior Resident Inspector Site Turnover 06/28/18 (18-017)

Issue Date: 01/10/19 5 TABLE OF CONTENTS

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
0, , , , , ,	05/01/03 (03-013)
1220, App II	Procedures Letter to be Sent to Licensees with Procedures and
1220, App 11	
4000 4 !!!	Information for Filing NRC Form 241 05/01/03 (03-013)
1220, 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 08//23/18 (18-029)
1245, Att 1	General Overview of the Inspector Training and Qualification
1245, All 1	
4045 4440	Program 08/24/17 (17-015)
1245, Att 2	Inspector Competencies 10/31/06 (06-032)
1245, Att 3	General Orientation Topics 10/31/06 (06-032)
1245, App A	Basic-Level Training and Qualification Journal 07/30/18 (18-023)
1245, App B	General Proficiency-Level Training and Qualification Journal
	07/30/18 (18-023)
1245. App C1	Reactor Operations Inspector Technical Proficiency Training and
-, 11 -	Qualification Journal 12/19/16 (16-034)
1245 Ann C2	Reactor Engineering Inspector Technical Proficiency Training
1240, App 02	and Qualification Journal 08/23/18 (18-029)
101E Amm C2	·
1245, App C3	Health Physics Inspector Technical Proficiency Training and
	Qualification Journal 02/20/17 (17-004)
1245, App C4	Reactor Security Inspector Technical Proficiency Qualification
	Training and Qualification Journal 11/29/13 (13-027)
1245, App C5	Research and Test Reactor Inspector Technical Proficiency
	Qualification Journal 07/08/09 (09-017)
1245. App C6	Emergency Preparedness Inspector Technical Proficiency
,	Training and Qualification Journal 08/23/18 (18-029)
1245 Ann C7	Fire Protection Inspector Technical Proficiency Training and Qualification
1240, App 01	
101E Amm CO	Journal 07/30/18 (18-023)
1245, App C8	Vendor Inspector Technical Proficiency Qualification Journal
	07/30/18 (18-023)
1245, App C9	Senior Reactor Analyst Training and Qualification Program
	07/30/18 (18-023)
1245, App C10	0 Operator Licensing (OL) Examiner Technical Proficiency
	Training and Qualification Journal 10/21/15 (15-020)
1245 Ann C1	1 Security Risk Analyst Technical Proficiency Training and Qualification
12 10, App 01	Journal 08/30/13 (13-019)
1245 App C19	2 Safety Culture Assessor Training and Qualification Journal
1245, App C 12	· · · · · · · · · · · · · · · · · · ·
	08/23/18 (18-029)
1245, App C13	3 Independent Spent Fuel Storage Installation Security Inspector
	Technical Proficiency Training and Qualification Journal
	08/08/13 (13-016)
1245, App C14	4 Cyber Security Inspector Technical Proficiency Training and Qualification
, , ,	Journal 08/03/15 (15-014)
	· · · · · /

Issue Date: 01/10/19 6 TABLE OF CONTENTS

- 1245, App C15 Construction Inspector Technical Proficiency Training and Qualification Journal 08/15/17 (17-014)
- 1245 App C16 RESERVED for RTR training qualifications
- 1245, App D1 Maintaining Qualifications 06/07/18 (18-014)
- 1245, App D2 Inservice Inspection Advanced-Level Training 10/21/15 (15-020)
- 1245, App D3 Fire Protection Advanced-Level Training 08/23/18 (18-029)
- 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 B4 Independent Spent Fuel Storage Installation Security Inspector Technical Proficiency Training and Qualification Journal 08/08/13 (13-016)
- 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 C5 Training Requirements and Qualification Journal for International Safeguards Analysts, Nuclear Materials Management and Safeguards System (NMMSS) Analysts, and Import/Export Analysts 06/27/16 (16-014)
- 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)
- 1247 Qualification Program for Fuel Facility Inspectors in the Nuclear Material Safety and Safeguards Program Area 10/28/14 (14-026)
- 1247, App A Basic-Level Training and Certification Journal Fuel Facility Inspector 06/27/14 (14-014)
- 1247, App B General Proficiency-Level Training and Qualification Journal 06/11/14 (14-012)
- 1247, App C1 Fuel Facility Operations Inspector Technical Proficiency Training and Qualification Journal 06/11/14 (14-012)
- 1247, App C2 Fuel Facility Health Physics Inspector Technical Proficiency Training and Qualification Journal 06/20/2014 (14-013)
- 1247, App C3 Fuel Facility Emergency Preparedness Inspector Technical Proficiency Training and Qualification Journal 06/11/14 (14-012)
- 1247, App C5 Fuel Facility Material Control & Accounting Inspector Technical Proficiency Training and Qualification Journal 06/11/14 (14-012)
- 1247, App C6 Fuel Facility Nuclear Criticality Safety Inspector Technical Proficiency Training and Qualification Journal 06/11/14 (14-012)

RESERVED for Advanced and Specialized Training Courses and Qualification Programs
Fuel Facility Information Security Inspector Specialized Qualification Program Training and Qualification Journal 10/28/14 (14-026)
Formal Qualification Programs for Federal and State Materials and Environmental Management Programs 04/19/13 (13-011)
Materials Health Physics License Review Qualification Journal 04/19/13 (13-011)
Materials Health Physics Inspector Qualification Journal 04/19/13 (13-011)
Training Requirements and Qualification Journal for Materials Exempt Distribution License Reviewer 04/19/13 (13-011)
Training Requirements and Qualification Journal for Byproduct Material Sealed Source and Device Reviewer 04/19/13 (13-011)
Training Requirements and Qualification Journal for Division of Waste Management Inspector and License Reviewer 04/19/13 (13-011)
Training Requirements and Qualification Journal for Decommissioning Inspectors 10/07/16 (16-026)
Training Requirements and Qualification Journal for Decommissioning Project Managers and Technical Reviewers 01/13/16 (16-002)
Training Requirements and Qualification Journal for Uranium Recovery Inspector 04/19/13 (13-011)
Training Requirements and Qualification Journal for Uranium Recovery Project Manager/Technical Reviewer 04/19/13 (13-011)
RESERVED Low-Level Waste Project Manager Qualification Journal
06/27/16 (16-014) Performance Assessment Technical Reviewer Qualification Journal 06/27/16 (16-014)

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 Environmental Monitoring

1415 State Contracts for Environmental Monitoring 06/28/91 (91-009)

1500 Reserved

1600 Emergency Preparedness

1601 Communication Protocol for Assessing Offsite Emergency Preparedness Following a Natural Disaster 06/29/18 (18-018)

1700 Reserved

1800 Reserved

1900 Reserved

2000 Reserved

2100 Reserved

2200 Nuclear Security and Incident Response

2200 Security Inspection Program for Construction 09/07/12 (12-020)

2200, App A Security Construction Inspection Program 09/07/12 (12-020)

2201 Security Inspection Program for Commercial Nuclear Power Reactors 08/20/18 (18-026)

2201, App A Security Baseline Inspection Program 09/11/18 (18-031)

2201, App B Supplemental Inspection Program 08/20/18 (18-026)

2201, App C Generic, Special, and Infrequent Inspections 08/20/18 (18-026)

2201, App D Facility Status Reviews for Security and Safeguards Inspection Program

11/01/18 (18-037)

2201/003 RESERVED for Fitness for Duty Part 26 Subpart K

2201/005 Inspection of TVA WB1, Implementation of the Cyber Security Program

Required by 10 CFR 73.54 and 10 CFR 73.55 07/03/14 (14-015)

2202 Security Inspection Program for Decommissioning Reactors

08/27/14 (14-019)

2202, App A Security Core Inspection Program 08/27/14 (14-019)

2202, App B Security Discretionary Inspection Program 10/06/14 (14-023)

Issue Date: 01/10/19 9 TABLE OF CONTENTS

2300 High Level Waste

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

2400 Low Level Waste Program

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

2500 Reactor Inspection Program

2501	Construction Inspection Program: Early Site Permit (ESP)
2502	06/06/13 (13-013) Construction Inspection Program: Pre-Combined License (Pre-
2503	COL) Phase 12/13/10 (10-026) 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 01/06/17 (17-001)
2506	Construction Reactor Oversight Process General Guidance and Basis Document 02/20/17 (17-004)
2507	Construction Inspection Program: Vendor Inspections 05/16/18 (18-013)
2508	Construction Inspection Program: Design Certification 09/06/16 (16-022)
2515	Light Water Inspection Program - Operations Phase 03/28/17 (17-008)
2515, App A	Risk-Informed Baseline Inspection Program 03/08/13 (13-008)
2515, App B	Supplemental Inspection Program 12/18/15 (15-031)
2515, App C	Special and Infrequently Performed Inspections 06/24/15 (15-012)
2515, App D	Plant Status 11/19/18 (18-039)
2515, App E	Inspection Program Modifications during a Pandemic 01/26/07 (07-004)
2515, App F	Reactor Construction Activities near Operating Unit(s) 06/02/11 (11-009)
2515, App G	Baseline Inspection Guidance for Power Reactors Preparing for
0545470	Transition to Decommissioning Phase 02/01/16 (16-004)
2515/176	Emergency Diesel Generator Technical Specification Surveillance
0545/470	Requirements Regarding Endurance and Margin Testing 05/16/08 08-015
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
2515/191	(10 CFR 20.2207) 05/27/10 (10-014)
2515/191	Inspection of the Implementation of Mitigation Strategies and Spent Fuel Pool Instrumentation Orders and Emergency Preparedness
	Communication/Staffing/Multi-Unit Dose Assessment Plans
2515/192	07/10/18 (18-020) Inspection of The Licensee's Interim Corrective Actions Associated With
2010/182	Interim Enforcement Policy for the Open Phase Condition (OPC) Design
	Vulnerabilities In Electric Power Systems 11/09/16 (16-029)
	Validation in Electric Leaver Cysterio 11/00/10 (10-020)

Issue Date: 01/10/19 10 TABLE OF CONTENTS

2515/193	Inspection of the Implementation of Order EA-13-109, "Order Modifying Licensees with Regard to Reliable Hardened Containment Vents Capable of Operation under Severe Accident Conditions," 10/10/17 (17-022)
2515/194	Inspection of the Licensees' Implementation of Industry Initiative Associated with the Open Phase Condition Design Vulnerabilities in Electric Power Systems (NRC Bulletin 2012-01) 10/31/17 (17-024)
2516	Policy and Guidance for the License Renewal Inspection Programs 08/13/13 (13-017)
2518	RESERVED for Construction Inspection Program: Advanced Reactors, Pre Construction Permit (CP)
2519	Construction Significance Determination Process 12/06/17 (17-028)
2522	Construction Reactor Oversight Process Self-Assessment Program 07/28/14 (14-017)
2522, App A	Construction Reactor Oversight Process Self-Assessment Metrics 10/03/17 (17-021)
2523	NRC Application of the Reactor Operating Experience Program in NRC Oversight Processes 06/19/13 (13-014)
2545	Research and Test Reactor Inspection Program 06/23/04 (04-018)
2550	Non-Power Protection Facilities (NPUFs) Licensed Under 10 CFR Part 50: Construction Inspection Program (CIP) 05/01/18 (18-009)
2561	Decommissioning Power Reactor Inspection Program 03/06/18 (18-007)

2600 Fuel Cycle Facility Inspection Program

2600	Fuel Cycle Facility Operational Safety and Safeguards Inspection Program 06/12/18 (18-015)
2600, App A 2600, App B 2600, App C	Guidance for Conducting Fuel Cycle Inspections 09/24/15 (15-018) NRC Core Inspection Requirements, Tables 1 and 2 06/12/18 (18-015) Fuel Cycle Resident Inspection Program 09/24/15 (15-018)
2600, App D	Fuel Cycle Facility Inspection Planning 06/12/18 (18-015)
2600/016	Inspection of Activities Associated with NRC Generic Letter 2015-01 11/09/16 (16-029)
2601	Reactive Inspection Decision Making Process for Fuel Facilities 09/20/16 (16-023)
2602	Decommissioning Oversight and Inspection Program for Fuel
	Cycle Facilities and Materials Licensees 07/29/08 (08-021)
2603	RESERVED for Fuel Cycle Facility Construction Inspection Program Assessment
2604	Licensee Performance Review 09/20/16 (16-023)
2606	Assessment of the Change in Risk Resulting From a Violation at a Fuel Cycle Facility 04/01/16 (16-010)
2606, E-2	Evaluation Based on Specific Licensee ISAs 09/26/12 (12-022)
2620	On-Site Construction Reviews of Remedial Action at Inactive Úranium 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 09/20/16 (16-023)

Issue Date: 01/10/19 11 TABLE OF CONTENTS

RESERVED for Uranium Enrichment Facility Construction and Pre-
Operational Readiness Review Inspection Programs
In-Situ Leach Facilities Inspection Program 08/25/00 (00-014)
Fuel Cycle Inspection Assessment Program 11/08/18 (18-038)
Physical Protection and Transport of SNM and Irradiated Fuel
Inspections of Fuel Facilities 10/27/17 (17-023)
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)
Technical Assistance for Safeguards MC&A Inspections at
Fuel Facilities 06/18/84 (84-18)
MC&A Safeguards Inspection of Fuel Facilities 05/09/14 (14-011)
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)
Review of Aging Management Programs at Independent Spent Fuel
Storage Installations 01/30/18 (18-002)
Fuel Cycle Facility Construction and Pre-operational Readiness Review
Inspection Programs 0830/17 (17-017)
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>

2800 <u>Materials Inspection Program</u>

2800	Materials Inspection Program 09/12/17 (17-018)
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 Rev 1 07/14/05 (05-019)
2800/038	Inspection of the Implementation of Increased Controls for Licensees
	Authorized to Possess Risk Significant Radioactive Material 03/30/06
	(06-008)
2800/039	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)
2800/041	10 CFR Part 37 Materials Security Review at Facilities with a Title 10
	Code of Federal Regulations Part 73 Physical Protection Program
	07/01/15 (15-013)
2800/043	Inspection of Facilities Potentially Contaminated with Discrete Radium
Rev 2	226 Sources 05/09/18 (18-011)

Issue Date: 01/10/19 12 TABLE OF CONTENTS

	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 10/11/12 (12-023)
	2815	Construction and Preoperational Inspection of Panoramic, Wet-Source-Storage Gamma Irradiators 03/27/01 (01-010)
	2882	Transfer of NRC License Files to Agreement State(s) 12/03/01 (01-029)
2900	Performance .	Appraisal Program
	2901 2920	Team Inspections 08/24/01 (01-016) Construction Appraisal Team Inspection Program 03/29/85 (85-11)
3000	<u>Management</u>	<u>Meetings</u>
	30800	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)
	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 12/08/16 (16-032)
	35012	Early Site Permit Quality Assurance Controls Assessment and Conclusion 05/29/03 (03-018)
	35017 35023	Quality Assurance Implementation Inspection 07/29/08 (08-021) RESERVED for Design Reliability Assurance Program
	35031	RESERVED for Design Certification Pre-Meeting
	35032	RESERVED for Pre-Docketing Design Certification Quality Assurance Controls Inspection

Issue Date: 01/10/19 13 TABLE OF CONTENTS

	35033 35034 35101 35701 35710 35962	RESERVED for Post-Docketing Design Certification Quality Assurance Controls Inspection Design Certification Testing Inspection 01/27/10 (10-003) QA Program Implementation Inspection for Operational Programs 07/08/16 (16-015) Quality Assurance Program Review 09/17/01 (01-017) Quality Assurance Inspection of Software Used in Nuclear Applications 01/30/18 (18-002) RESERVED for Part 52 QA Program Evaluation of Engineering Service Organization
3600	Organization and Administration	
	36100 36100.01 36302 36801	Inspection of 10 CFR Parts 21 and 50.55(e) Programs for Reporting Defects and Noncompliance 02/13/12 (12-002) Inspection of 10 CFR Part 21 and Programs for Reporting Defects and Noncompliance During Construction 02/13/12 (12-002) 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	
	37060 37700 37801 37803 37804 37805	Inspections under the 10CFR Part 50.69 Special Program 09/14/11 (11-016) Design Changes, and Modifications 09/17/01 (01-017) Safety Reviews, Design Changes, and Modifications at Permanently Shutdown Reactors 08/11/97 (97-012) RESERVED Aircraft Impact Assessment Inspection 02/09/12 (12-001) Engineering Design Verification Inspections 04/25/11 (11-007)
3800	Procurement	
3900	Records	
	39701	Records Program 09/17/01 (01-017)
4000	00 Review and Audit	
	40001 40002 40100 40505	Resolution of Employee Concerns 06/03/97 (97-006) Inspections to Review Allegations 06/28/02 (02-024) Independent Safety Culture Assessment Follow-up 07/26/18 (18-022) RESERVED for Effectiveness of Process to Identify, Resolve, and Prevent Construction Problems

Issue Date: 01/10/19 14 TABLE OF CONTENTS

	40600 40801	Licensee Program for Inspections, Tests, Analyses, and Acceptance Criteria (ITAAC) Management 07/28/14 (14-017) Self-Assessment, Auditing, and Corrective Action at Permanently Shutdown Reactors 08/11/97 (97-012)
4100	<u>Training</u>	
	41500 41501	Training and Qualification Effectiveness 06/13/95 (95-007) Review of Training and Qualification Programs 04/27/16 (16-011)
	41502	Nuclear Power Plant Simulation Facilities 10/16/12 (12-024)
4200	<u>Procedures</u>	
	42001 42401 42453 42454 42700	Emergency Operating Procedures 06/28/91 (91-009) Part 52, Plant Procedures10/27/10 (10-022) Part 52, Operating Procedures Inspection 08/19/08 (08-024) Part 52, Emergency Operating Procedures 09/09/13 (13-020) Plant Procedures 11/15/95 (95-015)
4300	Vendor Proce	<u>edures</u>
	43002 43003 43004 43005	Routine Inspections of Nuclear Vendors 01/27/17 (17-002) Reactive Inspections of Nuclear Vendors 12/14/15 (15-029) Inspection of Commercial-Grade Dedication Programs 01/27/17 (17-002) NRC Oversight of Third-Party Organizations Implementing Quality
	43006	Assurance Requirements 10/08/15 (15-019) Inspection of the Implementation of Mitigation Strategies Orders Regarding the Use of National Response Centers 09/30/16 (16-025)
4400	Reserved	
4500	Geotechnical/Foundation	
	45051 45052	Geotechnical/Foundation Activities Procedure Review 05/29/03 (03-018) Review of Geotechnical and Site Characterization Activities 10/03/07 (07-030)
4600	Structural Con	<u>ncrete</u>
4700	Containment (Post-Tensioning)	

Issue Date: 01/10/19 15 TABLE OF CONTENTS

4800	Structural Steel and Supports		
4900	<u>Piping</u>		
5000	Mechanical Components and Equipment		
	50001 50002 50003 50054 50056	Steam Generator Replacement Inspection 09/12/17 (17-018) Steam Generators 12/31/96 (96-024) Pressurizer Replacement Inspection 09/12/17 (17-018) Reactor Vessel Material Surveillance Program 12/04/08 (08-034) RESERVED for Reactor Vessel Material Surveillance Program	
5100	Electrical Cor	nponents and Systems	
	51080	Part 52, Environmental Qualifications (EQ) Program for Electrical and Mechanical Equipment 06/26/17 (17-013)	
5200	Instrumentation	on Systems and Components	
	52003	Digital Instrumentation and Control Modification Inspection 10/31/08 (08-031)	
5300	Containment	<u>Penetrations</u>	
5400	Cleanliness		
5500	Welding		
	55050 55100	Nuclear Welding General Inspection Procedure 06/20/83 (83-06) Structural Welding General Inspection Procedure 06/20/83 (83-06)	
5600	Calibration		
	56700	Calibration 03/23/05 (05-008)	
5700	Nondestructiv	ve Examination, Destructive Examination and Fabrication Testing	
	57050 57060 57070 57080	Visual Testing Examination 03/09/99 (99-003) Liquid Penetrant Testing Examination 03/09/99 (99-003) Magnetic Particle Testing Examination 03/09/99 (99-003) Ultrasonic Testing Examination 03/09/99 (99-003)	

Issue Date: 01/10/19 16 TABLE OF CONTENTS

57090 Nondestructive Examination Procedure Radiographic Examination Procedure Review/Work Observation/Record Review 06/14/93 (93-005) 5800 Special Processes 5900 Reserve Shutdown System 6000 Fuel Fabrication, Handling and Storage 60705 Preparation for Refueling 07/27/95 (95-009) 60710 Refueling Activities 07/27/95 (95-009) Spent Fuel Safety at Operating Reactors 10/30/15 (15-022) 60715 Spent Fuel Pool Safety at Permanently Shutdown Reactors 60801 08/11/97 (16-001) Operation of Intra-Unit Fuel Transfer Canister and Cask System 60845 04/26/12 (12-007) 60851 Design Control of ISFSI Components 01/16/08 (08-003) ISFSI Component Fabrication by Outside Fabricators 01/16/08 (08-003) 60852 60853 On-Site Fabrication of Components and Construction of an ISFSI 01/16/08 (08-003) Preoperational Testing of an Independent Spent Fuel Storage Installation 60854 01/16/08 (08-003) 60854.1 Preoperational Testing of Independent Spent Fuel Storage Facility Installation at Operating Plants 09/05/06 (06-022) Operation of an Independent Spent Fuel Storage Installation 60855 01/16/08 (08-003) 60855.1 Operation of an Independent Spent Fuel Storage Installation at Operating Plants 09/05/06 (06-022) Review of 10 CFR 72.212(b) Evaluations 03/05/08 (08-010) 60856 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) Away-From-Reactor ISFSI Inspection Guidance 05/03/07 (07-015) 60858 RESERVED for Welding Verification Checklist for Transportation and 60859 **ISFSI** Components RESERVED for Nondestructive Examination Procedure Visual 60860 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

Transportation ISFSI Components

60863

Examination Procedure Review/Work Observation/Record Review of

RESERVED for Nondestructive Examination Procedure Ultrasonic

Examination Procedure Review/Work Observation/Record Review

Examination Procedure Review/Work Observation/Record Review of Transportation and ISFSI Components 6100 Surveillance 61705 Calibration of Nuclear Instrumentation Systems 05/12/86 (86-25) Core Thermal Power Evaluation 07/14/86 (86-36) 61706 Determination of Reactor Shutdown Margin 10/11/85 (85-31) 61707 Isothermal and Moderator Temperature Coefficient 61708 Determinations 10/11/85 (85-31) 61709 Total Power Coefficient of Reactivity at Pressurized Water Reactors 07/14/86 (86-36) Control Rod Worth Measurements (PWR) 10/11/85 (85-31) 61710 Verification of Containment Integrity 12/23/86 (86-60) 61715 Containment Local Leak Rate Testing 10/03/85 (85-30) 61720 Surveillance Observations 06/24/98 (98-010) 61726 Independent Measurement of RCS Leak Rates for a PWR 61728 01/01/84 (84-02) 6200 Maintenance 62002 Inspection of Structures, Passive Components, and Civil Engineering Features at Nuclear Power Plants 12/31/96 (96-024) 62003 Inspection of Steel and Concrete Containments at Nuclear Power Plants 06/11/97 (97-008) Maintenance Rule 12/13/00 (00-028) 62706 Motor-Operated Valve Capability 10/23/13 (13-026) 62708 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) RESERVED for Operational Reliability Assurance Process 62711 62712 Part 52, Maintenance Rule 08/13/13 (13-017) Maintenance and Surveillance at Permanently Shutdown 62801 Reactors 08/11/97 (97-012) 6300 **Construction Testing** 6400 Fire Prevention/Protection 64102 RESERVED for Part 52 Post fire Safe Shutdown, Emergency Lighting and Oil Collection Capabilities 64704 Fire Protection Program 06/24/98 (98-010) Part 52, Fire Protection Operational Program 10/03/07 (07-030) 64705

RESERVED for Nondestructive Examination Procedure Radiographic

60864

Issue Date: 01/10/19 18 TABLE OF CONTENTS

6500 10 CFR Part 52 ITAAC Inspections

65001	Inspections of Inspections, Tests, Analyses, and Acceptance Criteria (ITAAC) Related Work 08/13/13 (13-017)
05004.04	
65001.01	Inspection of ITAAC-Related Foundations & Buildings 04/18/14 (14-010)
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
	08/13/14 (14-018)
65001.05	Inspection of ITAAC-Related Installation of Reactor Pressure Vessel and
00001.00	Internals 08/19/08 (08/19/08)
65001.06	Inspection of ITAAC-Related Installation o Mechanical Components
03001.00	·
05004.07	01/27/15 (15-001)
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
00001.11	Containment Integrity and Containment Penetration 08/19/08 (08-024)
65001.12	Inspection of ITAAC-Related Installation of Heating, Ventilating, and Air
03001.12	1 0,
05004.40	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 06/24/15 (15-012)
65001.15	Inspection of ITAAC-Related Installation of Fire Protection Equipment
	07/01/08 (08-019)
65001.16	Inspection of ITAAC-Related Engineering 06/20/14 (14-013)
65001.17	Inspection of ITAAC-Related Security Structures, Systems, and
	Components 09/30/16 (16-025)
65001.18	Inspection of Emergency Planning ITAAC 10/30/08 (08-030)
65001.19	Inspection of Installation of ITAAC-Related Radiation Monitoring
00001.10	Components and Systems 10/20/08 (08-029)
65001.20	Inspection of Safety-Related Piping Design Acceptance Criteria (DAC)-
03001.20	
05004.04	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
	Design Acceptance Criteria (DAC) – Related ITAAC 12/19/11 (11-041)
65001.23	Inspection of Human Factors Engineering Integrated System Validation
	ITAAC 12/22/14 (14-031)
65001.23. Ap	p A Inspection Guide for AP1000 Human Factors Engineering Integrated
	System Validation 12/22/14 (14-031)
65001.A	ITAAC Attributes for As-Built Inspection 09/25/13 (13-023)
65001.R	Inspection of the ITAAC-Related Welding Program 09/25/13 (13-023)
65001.C	Inspection of the ITAAC-Related Construction Test Program
00001.0	
	04/18/14 (14-010)

Issue Date: 01/10/19 19 TABLE OF CONTENTS

	65001.D	Inspection of the ITAAC-Related Operational Testing Program 05/09/14 (14-011)
	65001.E 65001.F	Inspection of the ITAAC-Related Qualification Program 06/20/14 (14-013) Inspection of the ITAAC-Related Design and Fabrication Requirements 09/20/13 (13-022)
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,
	69004	Requalification, and Medical Examinations 02/03/04 (04-004) 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)
	69020	Inspections of Safety-Related Items (and Services) During Construction of Non-Power Production and Utilization Facilities 12/14/15 (15-029)
	69021	Inspections of Quality Assurance Program Implementation During Construction of Non-Power Production and Utilization Facilities 09/12/17 (17-018)
	69022	Inspections of Operational Readiness During Construction of Non-Power Production and Utilization Facilities 12/14/15 (15-029)

7000 <u>Preoperational Testing</u>

70307 Containment Integrated Leak Rate Test - Procedure Review 03/07/86 (86-13)

Issue Date: 01/10/19 20 TABLE OF CONTENTS

70313	Containment Integrated Leak Rate Test 11/12/85 (85-36)
70323	Containment Leak Rate Test Results Evaluation 10/03/85 (85-30)
70367	Inspection of Pre-operational Test Program 01/15/14 (14-001)
70368	Part 52 Containment Leak Rate Testing (Programmatic)
	06/26/17 (17-013)
70369	RESERVED for Part 52 Containment Leak Rate Testing
70371	RESERVED for Part 52 Testing of Pipe Support and Restraint System
70701	RESERVED
70702	Inspection of Preoperational Test Performance 12/06/17 (17-028)

7100 Operations (License & TS Requirements)

71002	License Renewal Inspection 11/23/11 (11-038)
71003 71004	Post-Approval Site Inspection for License Renewal 07/08/16 (16-015)
71004	Power Uprate 05/15/17 (17-010) Reactor Vessel Head Replacement Inspection 10/03/17 (17-020)
71007	Site Inspections at Plants with Timely Renewal Applications
71013	09/25/13 (13-023)
71111	Reactor Safety-Initiating Events, Mitigating Systems, Barrier Integrity 10/28/11 (11-025)
71111.01	Adverse Weather Protection 12/20/18 (18-043)
71111.04	Equipment Alignment 12/20/18 (18-043)
71111.05	Fire Protection 08/01/18 (18-025)
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 11/25/15 (15-027)
71111.07	Heat Sink Performance 12/08/16 (16-032)
71111.08	In-service Inspection Activities 12/14/18 (18-043)
71111.11	Licensed Operator Requalification Program 12/14/18 (18-043)
71111.12	Maintenance Effectiveness 02/03/16 (16-005)
71111.13	Maintenance Risk Assessments and Emergent Work Control
	12/20/17 (17-030)
71111.15	Operability Determinations and Functionality Assessments 12/21/16 (16-035)
71111.17T	Evaluations of Changes, Tests, and Experiments 12/08/16 (16-032)
71111.171	Plant Modifications 11/19/18 (18-039)
71111.10	Post Maintenance Testing 06/07/18 (18-014)
71111.19	Refueling and Other Outage Activities 12/20/18 (18-044)
71111.20 71111.21M	Component Design Bases Inspection (Teams) 12/08/16 (16-032)
71111.21M	Component Design Bases Inspection (Programs) 12/08/16 (16-032)
71111.21	Surveillance Testing 11/19/18 (18-039)
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 07/21/16 (16-017)
71114.02	Alert and Notification System Evaluation 07/21/16 (16-017)
71114.03	Emergency Response Organization Staffing and Augmentation System 07/21/16 (16-017)
71114.04	Emergency Action Level and Emergency Plan Changes
	07/21/16 (16-017)

Issue Date: 01/10/19 21 TABLE OF CONTENTS

71114.05	Maintenance of Emergency Preparedness 07/21/16 (16-017))
71114.06 71114.07	Drill Evaluation 07/21/16 (16-017) Exercise Evaluation-Hostile Action (HA) Event 07/21/16 (16-017)
71114.08	Exercise Evaluation-Scenario Review 07/21/16 (16-017)
71124	Radiation Safety - Public and Occupational 12/21/17 (17-031)
71124.01	Radiological Hazard Assessment and Exposure Controls
	12/21/17 (17-031)
71124.02	Occupational ALÁRA Planning and Controls 12/21/17 (17-031)
71124.03	In-Plant Airborne Radioactivity Control and Mitigation 12/21/17 (17-031)
71124.04	Occupational Dose Assessment 12/21/17 (17-031)
71124.05	Radiation Monitoring Instrumentation 04/01/16 (17-031)
71124.06	Radioactive Gaseous and Liquid Effluent Treatment 12/21/17 (17-031)
71124.07	Public Radiation Safety 12/21/17 (17-031)
71124.08	Radioactive Solid Waste Processing and Radioactive Material Handling,
74400	Storage, and Transportation 12/21/17 (17-031)
71130	Security 08/23/18 (18-028)
71130.01	Access Authorization 09/30/16 (16-024)
71130.02 71130.03	Access Control 09/30/16 (16-024) Contingency Response - Force-On-Force Testing 12/22/16 (16-035)
71130.03	Equipment Performance, Testing and Maintenance 09/30/16 (16-024)
71130.04	Protective Strategy Evaluation and Performance Evaluation Program
7 1 100.00	12/10/18 (18-042)
71130.06	Protection of Safeguards Information 09/30/16 (16-024)
71130.07	Security Training 09/30/16 (16-024)
71130.08	Fitness for Duty Program 10/22/18 (18-035)
71130.10P	Cyber Security 05/15/17 (17-010)
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 09/12/17 (17-018)
71150	Discrepant or Unreported Performance Indicator Data 01/04/07 (07-001)
71151	Performance Indicator Verification 05/03/17 (17-009)
71152	Problem Identification and Resolution 02/26/15 (15-003)
71153	Follow-up of Events and Notices of Enforcement Discretion
74000	10/03/18 (18-034)
71303	Part 52, Technical Specifications Review 10/20/08 (08-029)
71714	Cold Weather Preparations 09/17/01 (01-017)
71715 71801	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)
7 10-11	1 and 1 and 12 12 100 (00 021)

7200 Startup Testing

72303	Startup Testing for ABWR: Test Procedure Review, Test Witnessing, and
	Test Results Evaluation 09/05/06 (06-021)
72304	Startup Testing for AP 1000: Test Procedure Review, Test Witnessing,
	and Test Results Evaluation 09/05/06 (06-021)
72401	Part 52, Inspection of Startup Test Program 06/24/14 (14-014)
72501	RESERVED for Part 52 Initial Fuel Load Procedure Review

Issue Date: 01/10/19 22 TABLE OF CONTENTS

72525 RESERVED for Part 52 Initial Fuel Load Witnessing

7300	In-service Inspection	
	73052 73054	In-service Inspection - Review of Procedures 01/14/86 (86-03) Part 52, Pre-service and In-service Inspection - Review of Program 05/03/17 (17-009)
	73753 73754	In-service Inspection 06/24/98 (98-010) Part 52 - Preservice Inspection - Non-Destructive Examination 12/12/13 (13-028)
	73755 73756 73757	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
	73758	02/07/14 (14-005) Part 52, Functional Design and Qualification, and Preservice and Inservice Testing Programs for Pumps, Valves and Dynamic Restraints 09/06/18 (18-030)
7400	Reserved	
7500	Reserved	
7600	Reserved	
7700	Reserved	
7800	High Level W	<u>'aste</u>
	78010	10 CFR Part 21 Program 09/11/08 (08-026)
7900	Water Chemi	<u>stry</u>
	79503	RESERVED for Part 52 LWR Water Chem. Control & Chem. Analysis (Pre-Op and Supp)
	79504 79702	RESERVED for Part 52 Plant systems Affecting Plant Water Chem. Control and monitoring of Radiological Source Term 04/17/00 (00-006)
8000	Environmenta	al Protection
	80211	RESERVED for Part 52 Environmental Protection - Initial & Periodic Inspection
	80522	Part 52, Radiological Environmental Monitoring Program (REMP) 07/01/08 (08-019)

Issue Date: 01/10/19 23 TABLE OF CONTENTS

80600	RESERVED for Independent Assessment of Site Radiological Conditions
80721	Radiological Environmental Monitoring 09/17/01(01-017)

8100 Physical Security

01000	Security 09/27/12 (12 019)
81000	Security 08/27/13 (13-018)
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)
81000.09	Cyber Security Inspection for Construction 09/30/16 (16-025)
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)
81000.14	Review of New Reactor Target Sets 12/19/13 (13-029)
81072	Access Control (Power Reactor) - Packages 05/09/84 (84-15)
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)
81200	Security 08/27/14 (14-019)
81200.01	Access Authorization for Decommissioning Nuclear Power Reactors
	10/21/14 (14-025)
81200.02	Access Control for Decommissioning Nuclear Power Reactors
	08/27/14 (14-019)
81200.03	RESERVED for Decommissioning Force-on-Force Testing
81200.04	Equipment Performance, Testing, and Maintenance for Decommissioning
	Nuclear Power Reactors 08/27/14 (14-019)
81200.05	Protective Strategy Evaluation and Performance Evaluation Program for
	Decommissioning Nuclear Power Reactors 10/21/14 (14-025)
81200.06	Protection of Safeguards Information for Decommissioning Nuclear
	Power Reactors 08/27/14 (14-019)
81200.07	Security Training for Decommissioning Nuclear Power Reactor
	10/21/14 (14-025)
81200.08	RESERVED for Decommissioning Fitness for Duty Program
81200.10	RESERVED for Decommissioning Cyber Security
81200.11	RESERVED for Decommissioning Material Control and Accounting
81200.14	Review of Decommissioning Target Sets 01/15/14 (14-001)
81310	Physical Protection of Shipments of Irradiated Fuel
	12/22/08 (08-037)
81311	Physical Security Requirements for Independent Spent Fuel Storage
	Installations 08/25/17 (17-016)
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)

Issue Date: 01/10/19 24 TABLE OF CONTENTS

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)
81504	Fitness for Duty Program for Construction 10/15/09 (09-024)
81505	RESERVED for Protection of Safeguards Information
	For Construction
81700.01	Category I Fuel Cycle Facility Strategic Special Nuclear Material Security Controls 05/15/17 (17-010)
81700.02	Category I Fuel Cycle Facility Access Control Measures 05/15/17 (17-010)
81700.04	Category I Fuel Cycle Facility Security Equipment Performance, Testing and Maintenance 05/15/17 (17-010)
81700.05	Category I Fuel Cycle Facility Physical Protection Program and Protective Strategy 05/15/17 (17-010)
81700.06	Licensee Conducted Force-on-Force Exercises at Category I Fuel Cycle Facilities 10/27/17 (17-023)
81700.07	Category I Fuel Cycle Facility Security Training 05/15/17 (17-010)
81700.08	Category I Fuel Cycle Facility Fitness-for-Duty Programs 05/15/17 (17-010)
81700.09	Security Measures for Licensed Facilities 10/26/15 (15-021)
81700.10	Protection of Safeguards Information at Category I Fuel Cycle Facilities 05/15/17 (17-010)
81700.11	Annual Observation of Licensee Conducted Force-on-Force Exercises at Category I Fuel Cycle Facilities 10/27/17 (17-023)
81810	Protection of Safeguards Information 09/10/07 (07-027)
81811	Protection of Safeguards Information By Design Certification Applicants and Vendors 09/06/16 (16-022)
81815	Authorization for Access to National Security Information (NSI) and Restricted Data (RD) 06/27/14 (14-014)
81820	Physical Protection Facility Approval and Safeguarding of National Security Information (NSI) and Restricted Data (RD) 06/27/14 (14-014)

8200 Emergency Planning

82001	Evaluation of Emergency Preparedness 05/22/00 (00-010)
82002	Part 52, Emergency Preparedness Program 14/28/14 (14-026)
82002.01	Facilities and Equipment 11/08/11 (11-030)

Issue Date: 01/10/19 25 TABLE OF CONTENTS

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)
82002.08	Inspection of Site Specific Implementation of 10 CFR 50.54(hh)(2) Mitigating Strategies for Nuclear Power Plants Referencing the AP1000 Certified Design 09/17/18 (18-031)
82201	Emergency Detection and Classification 03/23/05 (05-008)
82202	Protective Action Decision Making 03/23/05 (05-008)
82301	Evaluation of Exercises for Power Plants 04/24/13 (13-012)
82302	Review of Exercise Objectives and Scenarios for Power Reactors 04/24/13 (13-012)
82401	Decommissioning Emergency Preparedness Scenario Review and Exercise Evaluation 09/04/14 (14-020)
82501	Decommissioning Emergency Preparedness Program Evaluation 09/04/14 (14-020)
82701	Operational Status of the Emergency Preparedness Program 04/24/13 (13-012)

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)
	83523	Radiation Protection, Plant Chemistry, Radwaste, Transportation and
222		Environmental: Training and Qualifications 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	Part 52 Life Cycle Minimization of Contamination and Groundwater Protection Program 12/21/16 (16-035)
	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)

Issue Date: 01/10/19 26 TABLE OF CONTENTS

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,
	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 11/13/14 (14-027)
83728	Maintaining Occupational Exposures ALARA 04/17/00 (00-006)
83729	Occupational Exposure during Extended Outages 12/31/91 (91-021)
83746	Part 52 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 07/26/16 (16-018)
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)
84522	Solid Wastes (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	Part 52 Liquid Waste Management Program 10/19/16 (16-027)
84529	Part 52, Gaseous Waste Management Program 10/19/16 (16-027)
84750	Radioactive Waste Treatment, and Effluent and Environmental
	Monitoring 03/15/94 (94-006)
84850	Radioactive Waste Management - Inspection of Waste Generator
	Requirements of 10 CFR 20 and 10 CFR 61 12/22/08 (08-037)
84900	Low-Level Radioactive Waste Storage 12/22/08 (08-037)
	(Preoperational and Supplemental)
	, , ,

8500 Material Control and Accountability

85102	Material Control and Accounting - Reactors 03/29/85 (85-10)
85103	Material Control and Accounting at Decommissioning Power Reactors
	07/03/18 (18-019)

Issue Date: 01/10/19 27 TABLE OF CONTENTS

85200	MC&A for Licensees Possessing Less Than or Equal to
	One Effective Kilogram of SNM 04/10/85 (85-15)
85203	Management Structure and Controls 08/10/16 (16-020)
85205	Facility Operations and Internal Controls 08/10/16 (16-020)
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)
85303	Material Control and Accounting Management Structure and Personnel
	Training and Qualification 08/10/16 (16-020)
85305	Item Monitoring 11/15/16 (16-030)
85307	Process Monitoring 11/15/16 (16-030)
85309	Measurement Systems and Control 10/20/10 (10-021)
85311	Physical Inventory Program 11/15/10 (10-023)
85313	Alarm Resolution Program 11/15/16 (16-030)
85315	Internal Control 12/21/2010 (10-027)
85401	Management Structure 11/15/16 (16-030)
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 11/15/10 (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 12/21/10 (10-027)
85503	Resolution Program for Uranium Enrichment Facilities 11/15/10 (10-023)

8600 Spent Fuel and Other Radioactive Material Packaging and Shipping

86001	Design, Fabrication, Testing, and Maintenance of
	Transportation Packagings 01/16/08 (08-003)
86730	Transportation of Radioactive Materials (49 CFR Parts 100-
	179 and 10 CFR Part 71) 04/17/00 (00-006)
86740	Inspection of Transportation Activities 10/30/08 (08-030)
86750	Solid Radioactive Waste Management and Transportation of Radioactive
	Materials 03/15/94 (94-006)

8700 Materials Safety Inspection

87102	Maintaining Effluents from Materials Facilities As Low As Is Reasonably
	Achievable (ALRA) 04/04/00 (00-005)
87103	Inspection of Material Licensees Involved in an Incident or
	Bankruptcy Filing 11/03/00 (00-023)

Issue Date: 01/10/19 28 TABLE OF CONTENTS

87104	Decommissioning Inspection Procedure for Materials Licensees 07/29/02 (02-029)
87121	Industrial Radiography Programs 12/17/14 (14-030)
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)
87128	Manufacturing and Distribution of Exempt Products 01/27/17 (17-002)
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 02/26/15 (15-003)
87133	Medical Gamma Sterotactic Radiosurgery and Teletherapy
	Programs 08/24/11 (11-014)
87134	Medical Broad-Scope Programs 08/24/11 (11-014)
87137	10 CFR Part 37 Materials Security Programs 04/03/14 (14-009)
87138	RESERVED for 10 CFR Part 37, "Physical Protection Of Category 1 And
	Category 2 Quantities Of Radioactive Material At Facilities With A 10 CFR
	Part 73 Physical Protection Program
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

	0.00.00.00.00.00.00.00.00.00.00.00.00.0
88001	On-Site Construction 04/15/94 (94-011)
88003	Reactive Inspection for Events at Fuel Cycle Facilities
	03/16/15 (15-004)
88004	RESERVED for Adverse Weather Protection
88005	Management Organization and Controls 09/05/06 (06-020)
88010	Training 02/07/14 (14-005)
88015	Nuclear Criticality Safety 08/11/15 (15-0215)
88020	Operational Safety 10/01/18(18-033)
88025	Maintenance and Surveillance Testing 01/23/14 (14-003)
88030	Radiation Protection 03/06/14 (14-007)
88035	Radioactive Waste Management 02/07/14 (14-005)
88045	Effluent Control and Environmental Protection 02/07/14 (14-005)
88050	Emergency Preparedness 03/06/14 (14-007)
88051	Evaluation of Exercises and Drills 03/06/14 (14-007)
88054	Fire Protection (Triennial) 03/06/14 (14-007)
88055	Fire Protection (Annual) 10/01/18 (18-033)
88070	Plant Modification 08/21/18 (18-027)
88071	Configuration Management Program 03/06/14 (14-007)
88072	Plant Modifications (Triennial) 08/21/18 (18-027)
88075	Event Follow-up 03/16/15 (15-004)
88100	Plant Operations 12/30/96 (96-026)

Issue Date: 01/10/19 29 TABLE OF CONTENTS

88101	Configuration Control 12/30/96 (96-026)
88102	Surveillance Observations 12/30/96 (96-026)
88103	Maintenance Observations 12/30/96 (96-026)
88104	Decommissioning Inspection Procedure for Fuel Cycle Facilities 07/03/02 (02-026)
88106	Quality Assurance: Program Development and Implementation
88107	(Pre-licensing and Construction) 02/07/07 (07-006) Quality Assurance: Design and Documentation Control (Pre-licensing and
00400	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
00114	Grade Item Dedication Process [Reactive] 10/25/06 (06-030)
88115	Supplier/Vendor Inspection (Construction Phase) 10/25/06 (06-030)
88117	Facility Changes (License Application) and Change Process (10 CFR
00111	70.72) (Pre-Licensing and Construction) 09/20/16 (16-023)
88120	RESERVED Draft Construction and Operational Readiness Inspections
00.20	for the Internal Isotopes Uranium Deconversion Facility
88121	RESERVED for Draft Operational Readiness Reviews for Uranium
	Deconversion Facilities
88130	Resident Inspection Program for On-Site Construction Activities at the
	Mixed Oxide Fuel Fabrication Facility 03/02/16 (16-009)
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 02/07/14 (14-005)
88135.02	Resident Inspection Program Plant Status Activities 05/21/15 (15-010)
88135.04	Resident Inspection Program Integrated Safety Analysis Implementation 10/01/18 (18-033)
88135.05	Resident Inspection Program Fire Protection (Annual/Quarterly) 10/01/18 (18-033)
88135.17	Permanent Plant Modifications 01/31/14 (14-004)
88135.19	Post Maintenance Testing 01/31/14 (14-004)
88135.22	Surveillance Testing 01/31/14 (14-004)
88136	Mechanical Components 7/25/07 (07-023)
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)
	, ,

Issue Date: 01/10/19 30 TABLE OF CONTENTS

88143 88150 88151 88152	Pipe Supports and Restraints 7/25/07 (07-023) RESERVED for Training and Qualification of Plant Personnel RESERVED for Facility Changes and Change Process (10 CFR70.72) 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
88161	Corrective Action Program (CAP) Implementation at Fuel Cycle Facilities 07/28/14 (14-017)

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 10/28/14 (14-026)
90003	Construction Multiple/Repetitive Degraded Cornerstone Column Inspection 10/28/14 (14-026)
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)

Issue Date: 01/10/19 31 TABLE OF CONTENTS

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 03/14/14 (14-008)
92711	Continued Implementation of Strike Plans During an Extended
	Strike 03/14/14 (14-008)
92712	Resumption of Normal Operations After a Strike 03/14/14 (14-008)
92714	RESERVED for Part 52 Follow-up
92720	Corrective Action 09/28/98 (reactivated 07-034)
92721	RESERVED for Part 52 Follow-up on Corrective Actions for Violations
	and Deviations
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
22224	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

93002	Managing Fatigue 11/09/09 (09-026)
93100	Safety-Conscious Work Environment Issue of Concern Follow-up
	07/26/18 (18-022)
93702	Prompt Onsite Response to Events at Operating Power
	Reactors 09/17/01 (01-017)
93800	Augmented Inspection Team 11/15/17 (17-025)
93801	Safety System Functional Inspection (SSFI) 07/25/96 (96-016)
93802	Operational Safety Team Inspection (OSTI) 11/27/89 (89-015)
93803	Safety Systems Outage Modifications Inspection 04/27/89 (89-008)
93804	Risk-Based Operational Safety and Performance Inspection
	01/15/92 (92-001)
93805	Maintenance Program 08/06/93 (93-070)
93806	Operational Readiness Assessment Team Inspections 09/29/98 (98-015)
93807	Systems Based Instrumentation and Control Inspection 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 11/15/17 (17-025)
93813	RESERVED for Part 52 Operational Readiness Assessment Team
	Inspection
93815	Part 52, Operational Programs Implementation Inspection
	12/23/11 (11-043)

Issue Date: 01/10/19 32 TABLE OF CONTENTS

9400 Technical Activities of an Administrative Nature

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 08/24/16 (16-021)
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 12/18/15 (15-031)
95003.01	Emergency Preparedness 01/15/09 (09-002)
95003.02	Guidance for Conducting an Independent NRC Safety Culture
	Assessment) 04/03/14 (14-009)

9600 Materials Safety and Security

96001 NRC Force-on-Force Inspections at Category 1 Fuel Cycle Facilities

12/22/14 (12-031)

9700 Reserved

9800 Reserved

9900 Guidance²

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

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
	05/40/00 (00.00)

^{05/12/86 (86-26)}

Issue Date: 01/10/19 33 TABLE OF CONTENTS

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

STS Sec 1.0 STS Sec 1.0 STS Sec 3.0	Operability 05/12/86 (86-26) Definitions 12/08/86 (86-54) Acceptable Measurement Tolerances for Technical
STS Sec 3/4.6.4	Specification Limits 10/01/78 (78-35) Containment and Drywell Isolation Valves 06/09/88 (88-06)
STS Sec 3.7.5	Ultimate Heat Sink 11/25/88 (88-17)
STS Sec 3/4.8.1	TDI Diesel Generator Air Roll Tests 06/09/88 (88-06)
STS Sec 4.2.8.X.X	Surveillance Requirements - 125-Volt Battery Bank (10/01/79 (79-22)
STS Sec 4.5.1	Standard Technical Specifications (BWR) 05/12/86 (86-26)
STS Sec 4.8.1.1.2	Surveillance Testing of Diesel Generator Lockout Feature 05/12/86 (86-26)
STS	Surveillance Sections - Locked or Otherwise Secured Components 10/01/77 (77-25)
STS Interp	Licensee Technical Specification Interpretations 02/03/97 (97-001)

<u>Maintenance</u>

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]

<u>Mechanical</u>

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 for Gaseous Diffusion Plants

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

Operation - Safety and Compliance 09/11/07 (07-028)

[TG 9900 SAFETY]

PART

10 CFR GUIDANCE

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

10 CFR71 and

Issue Date: 01/10/19 34 TABLE OF CONTENTS

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)
70.54	,
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