**NRC INSPECTION MANUAL** DIRS

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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)

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71130.04 Equipment Performance, Testing and Maintenance 09/30/16 (16-024)

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71130.06 Protection of Safeguards Information 09/30/16 (16-024)

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71130.12 Reserved for Physical Protection of Shipments of Irradiated Fuel

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72501 Reserved for Part 52 Initial Fuel Load Procedure Review

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73054 Part 52, Pre-service and In-service Inspection - Review of Program 05/03/17 (17-009)

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73754 Part 52 - Preservice Inspection - Non-Destructive Examination

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73755 In-service Inspection - Data Review and Evaluation 10/27/10 (10-022)

73756 In-service Testing of Pumps and Valves 07/27/95 (95-009)

73757 Part 52 In-service Inspection - Data Review and Evaluation

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73758 Part 52, Functional Design and Qualification, and Preservice and Inservice Testing Programs for Pumps, Valves and Dynamic Restraints

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7400 Reserved

7500 Reserved

7600 Reserved

7700 Reserved

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7900 Water Chemistry

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79502 Plant Systems Affecting Plant Water Chemistry 12/31/91

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79503 Reserved for Part 52 LWR Water Chem. Control & Chem. Analysis (Pre-Op and Supp)

79504 Reserved for Part 52 Plant systems Affecting Plant Water Chem.

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80521 Radiological Environmental Monitoring (Preoperational and Supplemental) 01/01/84 (reactivated 08-032)

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

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81000.03 Performance Evaluation Program 09/07/12 (12-020)

81000.04 Equipment Performance, Testing and Maintenance 09/07/12 (12-020)

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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)

81018 Physical Security Plan and Implementing Procedures

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81019 Reserved for Part 52 Security Plan & Implementing Procedures

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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

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81039 Reserved for Part 52 Records & Reports

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81043 Reserved for Part 52 Testing & Maintenance

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81047 Reserved for Part 52 Locks, Keys & Combinations

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81053 Reserved for Part 52 Physical Barriers - Protected Areas

81054 Physical Barriers - Vital Areas, Material Access Areas, and

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81055 Reserved for Part 52 Physical Barriers - Vital Areas, Material Access Areas & Controlled Access Areas

81058 Security System Power Supply 09/10/07 (07-027)

81059 Reserved for Part 52 Security System Power Supply

81062 Lighting 09/10/07 (07-027)

81063 Reserved for Part 52 Lighting

81064 Compensatory Measures 09/10/07 (07-027)

81065 Reserved for Part 52 Compensatory Measures

81066 Assessment Aids 09/10/07 (07-027)

81067 Reserved for Part 52 Assessment Aides

81070 Access Control - Personnel 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

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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

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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

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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)

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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

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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

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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

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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)

81360 General Requirements for Physical Protection of Formula

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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

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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

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81501 Personnel Training and Qualification - General Requirements

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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

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81602 Reserved for Part 52 Safeguards Contingency Plan - Implementation Review

81700 RESERVED for Materials Security

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

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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

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81700.09 Security Measures for Licensed Facilities 10/26/15 (15-021)

81700.10 Protection of Safeguards Information at Category I Fuel Cycle Facilities

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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

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81820 Physical Protection Facility Approval and Safeguarding

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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)

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

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82002.07 Operational Status of the Emergency Preparedness Program

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82002.08 RESERVED for Inspection Of Site Specific Implementation Of 10 Cfr 50.54(HH)(2) Phase 1, 2, And 3 Mitigating Strategies For Nuclear Power Plants Referencing The Ap1000 Certified Design

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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

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82701 Operational Status of the Emergency Preparedness Program

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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

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83502.02 Radioactive Material Process and Transportation 04/17/00 (00-006)

83502.03 Radiological Environmental Monitoring Program and

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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 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)

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,

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83724 External Occupational Exposure Control and Personal

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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)

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

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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)

84523 Liquids and Liquid Wastes (Preoperational and Supplemental)

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84524 Gaseous Waste System (Preoperational and Supplemental)

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84525 Quality Assurance and Confirmatory Measurements for In‑Plant Radiochemical Analysis (Preoperational and Supplemental)

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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

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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)

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1. Material Control and Accountability

85102 Material Control and Accounting - Reactors 03/29/85 (85-10)

85103 RESERVED for Material Control and Accounting - Decommissioning Power Reactors

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)

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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

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85407 Assessment Program 11/29/10 (10-024)

85408 Recordkeeping 11/29/10 (10-024)

85420 Inspection of IAEA Safeguards for Inspectors at Power

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85501 Physical Inventory Program for Uranium Enrichment Facilities

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85502 Detection Program for Uranium Enrichment Facilities 12/21/10 (10-027)

85503 Resolution Program for Uranium Enrichment Facilities

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8600 Spent Fuel and Other Radioactive Material Packaging and Shipping

86001 Design, Fabrication, Testing, and Maintenance of

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86730 Transportation of Radioactive Materials (49 CFR Parts 100-

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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

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87104 Decommissioning Inspection Procedure for Materials Licensees

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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

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87131 Nuclear Medicine Programs, Written Directive Required

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87132 Brachytherapy Programs 02/26/15 (15-003)

87133 Medical Gamma Sterotactic Radiosurgery and Teletherapy

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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

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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

88001 On-Site Construction 04/15/94 (94-011)

88003 Reactive Inspection for Events at Fuel Cycle Facilities

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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 01/23/14 (14-003)

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)

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1. 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. [↑](#footnote-ref-1)
2. 2 [XXXX.XX] attached to each document in Part 9900, is the file name for that document. [↑](#footnote-ref-2)