

APPENDIX D. REFERENCES

American National Standards Institute (ANSI)

— — — — —, ANSI B30.2, “Overhead and Gantry Cranes”

— — — — —, ANSI B30.9, “Slings”

— — — — —, ANSI N13.5-1972, “Performance Specifications for Direct Reading and Indirect Reading Pocket Dosimeters for X- and Gamma Radiation”

— — — — —, ANSI N13.27-1981, “Performance Specifications for Pocket-Sized Alarming Dosimeters/Ratemeters”

— — — — —, ANSI N14.6, “Special Lifting Devices for Shipping Containers Weighing 10,000 Pounds or More”

— — — — —, ANSI N18.7, “Administrative Controls and Quality Assurance for the Operational Phase of Nuclear Power Plants”

— — — — —, ANSI N322-1997, “ANSI Test, Construction, and Performance Requirements for Direct Reading Electrostatic/Electroscope Type Dosimeters”

— — — — —, ANSI N323A-1997, “Radiation Protection Instrumentation Test and Calibration, Portable Survey Instruments”

— — — — —, ANSI N42.17A-1989, “Performance Specifications for Health Physics Instrumentation—Portable Instrumentation for Use in Normal Environmental Conditions”

— — — — —, ANSI N42.18, “Specification and Performance of On-Site Instrumentation for Continuously Monitoring Radioactivity in Effluents”

American National Standards Institute / American Nuclear Society (ANSI / ANS)

— — — — —, ANSI/ANS 2.8-1992, “Determining Design Basis Flooding at Power Reactor Sites”

— — — — —, ANSI/ANS 3.1-1993, “American National Standard for Selection, Qualification, and Training of Personnel for Nuclear Power Plants”

— — — — —, ANSI/ANS 57.1-1992, “Design Requirements for LWR Fuel Handling Systems”

American National Standards Institute / Health Physics Society (ANSI / HPS)

— — — — —, ANSI/HPS N13.1, “Sampling and Monitoring Releases of Airborne Radioactive Substances from the Stacks and Ducts of Nuclear Facilities”

American National Standards Institute/Instrument Society of America (ANSI / ISA)

— — — — —, ANSI/ISA-7.3-1981, "Quality Standard for Instrument Air"

— — — — —, ANSI/ISA Standard 67.04-2000, "Setpoints for Nuclear Safety-Related Instrumentation"

American Nuclear Society/International Standardization Organization/International Electrotechnical Commission (ANS/ISO/IEC)

— — — — —, ANS/ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories"

American Society of Civil Engineers and Structural Engineering Institute (ASCE/SEI)

— — — — —, ASCE/SEI Standard 7-02, "Minimum Design Loads for Buildings and Other Structures"

American Society of Mechanical Engineers (ASME)

ASME Code Cases

— — — — —, ASME N-729-1 (N-729-1), "Alternative Examination Requirements for Pressurized-Water Reactor (PWR) Vessel Upper Heads With Nozzles Having Pressure-Retaining Partial-Penetration Welds"

Other ASME Documents

— — — — —, ASME AG-1-1997, "Code on Nuclear Air and Gas Treatment"

— — — — —, ASME B31.1, "Power Piping"

— — — — —, ASME N509-1989, "Nuclear Power Plant Air-Cleaning Units and Components"

— — — — —, ASME N510-1989, "Testing of Nuclear Air-Treatment Systems"

— — — — —, ASME NOG-1, "Rules for Construction of Overhead and Gantry Cranes (Top Running Bridge, Multiple Girder)"

— — — — —, ASME OM Code OMN-1, "Alternative Rules for the Preservice and Inservice Testing of Certain Electric Motor-Operated Valve Assemblies in Light Water Reactor Power Plants"

— — — — —, ASME OM Code OMN-11, "Risk-Informed Testing of Motor-Operated Valves"

— — — — —, ASME Standard NQA-1-1994, “Quality Assurance Requirements for Nuclear Facility Applications”

— — — — —, ASME QME-1-2007, “Qualification of Active Mechanical Equipment Used in Nuclear Power Plants”

American Society of Testing and Materials (ASTM)

— — — — —, ASTM D975, “Standard Specification for Diesel Fuel Oils”

— — — — —, ASTM D3359, “Test Methods for Measuring Adhesion by Tape Test”

— — — — —, ASTM D3911-03, “Standard Test Method for Evaluating Coatings Used in Light Water Nuclear Power Plants at Simulated Design Basis Accident (DBA) Conditions”

— — — — —, ASTM D4176, “Standard Test Method for Free Water and Particulate Contamination in Distillate Fuels (Visual Inspection Procedures)”

— — — — —, ASTM D4541, “Standard Test Method for Pull-Off Strength of Coatings Using Portable Adhesion Testers”

— — — — —, ASTM D5144-08, “Standard Guide for Use of Protective Coating Standards in Nuclear Power Plants”

— — — — —, ASTM D5163-05a, “Standard Guide for Establishing Procedures to Monitor the Performance of Coating Service Level I Coating Systems in an Operating Nuclear Power Plant”

— — — — —, ASTM D7167-05, “Standard Guide for Establishing Procedures to Monitor the Performance of Safety-Related Coating Service Level III Lining

— — — — —, ASTM E-185 Annual Book of ASTM Standards, Part 30

Electric Power Research Institute (EPRI)

— — — — —, NP-4354, “Large Scale Hydrogen Burn Equipment Experiments”

— — — — —, NP-5930, “A Criterion for Determining Exceedance of the Operating Basis Earthquake”

— — — — —, NP-6695, “Guidelines for Nuclear Plant Response to an Earthquake”

— — — — —, NSAC-202L, “Recommendations for an Effective Flow-Accelerated Corrosion Program”

— — — — —, TR-100082, “Standardization of the Cumulative Absolute Velocity”

— — — —, TR-1002884, “Pressurized Water Reactor Primary Water Chemistry Guidelines: Volume 1”

— — — —, TR-102134-R5, “PWR Secondary Water Chemistry Guidelines”

Institute for Electrical and Electronics Engineers (IEEE)

— — — — —, IEEE Standard 80, “Guide for Safety in AC Substation Grounding”

— — — — —, IEEE Standard 323, “IEEE Standard for Qualifying Class 1E Equipment for Nuclear Power Generating Stations”

— — — — —, IEEE Standard 336-1985, “IEEE Standard Installation, Inspection, and Testing Requirements for Power, Instrumentation, and Control Equipment at Nuclear Facilities”

— — — — —, IEEE Standard 384, “IEEE Standard Criteria for Independence of Class 1E Equipment and Circuits”

— — — — —, IEEE Standard 450, “Recommended Practice for the Maintenance, Testing, and Replacement of Vented Lead-Acid Batteries for Stationary Applications”

— — — — —, IEEE Standard 498-1985, “IEEE Standard Requirements for the Calibration and Control of Measuring and Test Equipment Used in Nuclear Facilities”

— — — — —, IEEE Standard 603-1980, “IEEE Standard Criteria for Safety Systems for Nuclear Power Generating Stations”

— — — — —, IEEE Standard 665, “Guide for Generating Station Grounding”

U.S. Code of Federal Regulations

— — — — —, *Title 10, Energy*, 2.390, “Public inspections, exemptions, requests for withholding”

— — — — —, *Title 10, Energy*, Part 11, “Criteria and procedures for determining eligibility for access to or control over special nuclear material”

— — — — —, *Title 10, Energy*, 11.11, “General requirements”

— — — — —, *Title 10, Energy*, Part 19, “Notices, instructions and reports to workers: inspection and investigations”

— — — — —, *Title 10, Energy*, 19.12, “Instructions to workers”

— — — — —, *Title 10, Energy*, Part 20, “Standards for protection against radiation”

— — — — —, *Title 10, Energy*, Part 20, Appendix B, “Annual Limits on Intake (ALIs) and Derived Air Concentrations (DACs) of Radionuclides for Occupational Exposure; Effluent Concentrations; Concentrations for Release to Sewerage”

— — — — —, *Title 10, Energy*, 20.1101, “Radiation protection programs”

— — — — —, *Title 10, Energy*, 20.1106, “Interpretations”

— — — — —, *Title 10, Energy*, 20.1204, “Determination of internal exposure”

— — — — —, *Title 10, Energy*, 20.1301, “Dose limits for individual members of the public”

— — — — —, *Title 10, Energy*, 20.1302, “Compliance with dose limits for individual members of the public”

— — — — —, *Title 10, Energy*, 20.1406, “Minimization of contamination”

— — — — —, *Title 10, Energy*, 20.1502, “Conditions requiring individual monitoring of external and internal occupational dose”

— — — — —, *Title 10, Energy*, 20.1601, “Control of access to high radiation areas”

— — — — —, *Title 10, Energy*, 20.1602, “Control of access to very high radiation areas”

— — — — —, *Title 10, Energy*, 20.1801, “Security of stored material”

— — — — —, *Title 10, Energy*, 20.1802, “Control of material not in storage”

— — — — —, *Title 10, Energy*, 20.2206, “Reports of individual monitoring”

— — — — —, *Title 10, Energy*, Part 21, “Reporting of defects and noncompliance”

— — — — —, *Title 10, Energy*, Part 26, “Fitness for duty programs”

— — — — —, *Title 10, Energy*, 26.205, “Work hours”

— — — — —, *Title 10, Energy*, 26.3, “Scope”

— — — — —, *Title 10, Energy*, 26.4, “FFD program applicability to categories of individuals”

— — — — —, *Title 10, Energy*, Part 30, “Rules of general applicability to domestic licensing of byproduct material”

— — — — —, *Title 10, Energy*, 30.18, “Exempt quantities”

— — — — —, *Title 10, Energy*, 30.32, “Application for specific licenses”

— — — — —, *Title 10, Energy*, Part 31, “General domestic licenses for byproduct material”

— — — — —, *Title 10, Energy*, Part 32, “Specific domestic licenses to manufacture or transfer certain items containing byproduct material”

— — — — —, *Title 10, Energy*, Part 33, “Specific domestic licenses of broad scope for byproduct material”

— — — — —, *Title 10, Energy*, Part 34, “Licenses for industrial radiography and radiation safety requirements for industrial radiographic operations”

— — — — —, *Title 10, Energy*, Part 40, “Domestic licensing of source material”

— — — — —, *Title 10, Energy*, 40.31, “Application for specific licenses”

— — — — —, *Title 10, Energy*, Part 50, “Domestic Licensing of Production and Utilization Facilities.”

— — — — —, *Title 10, Energy*, Part 50, Appendix A, “General Design Criteria for Nuclear Power Plants”

— — — — —, *Title 10, Energy*, Part 50, Appendix A, GDC 1, “Quality Standards and Records”

— — — — —, *Title 10, Energy*, Part 50, Appendix A, GDC 2, “Design Bases for Protection Against Natural Phenomena”

— — — — —, *Title 10, Energy*, Part 50, Appendix A, GDC 3, “Fire Protection”

— — — — —, *Title 10, Energy*, Part 50, Appendix A, GDC 4, “Environmental and Dynamic Effects Design Bases”

— — — — —, *Title 10, Energy*, Part 50, Appendix A, GDC 5, “Sharing of Structures, Systems, and Components”

— — — — —, *Title 10, Energy*, Part 50, Appendix A, GDC 13, “Instrumentation and Control”

— — — — —, *Title 10, Energy*, Part 50, Appendix A, GDC 14, “Reactor Coolant Pressure Boundary”

— — — — —, *Title 10, Energy*, Part 50, Appendix A, GDC 16, “Containment Design”

— — — — —, *Title 10, Energy*, Part 50, Appendix A, GDC 17, “Electric Power Systems”

— — — — —, *Title 10, Energy*, Part 50, Appendix A, GDC 18, “Inspection and Testing of Electrical Power Systems”

— — — — —, *Title 10, Energy*, Part 50, Appendix A, GDC 19, “Control Room”

— — — — —, *Title 10, Energy*, Part 50, Appendix A, GDC 26, “Reactivity Control System Redundancy and Capability”

— — — — —, *Title 10, Energy*, Part 50, Appendix A, GDC 27, “Combined Reactivity Control Systems Capability”

— — — — —, *Title 10, Energy*, Part 50, Appendix A, GDC 29, “Protection Against Anticipated Operational Occurrences”

— — — — —, *Title 10, Energy*, Part 50, Appendix A, GDC 30, “Quality of Reactor Coolant Pressure Boundary”

— — — — —, *Title 10, Energy*, Part 50, Appendix A, GDC 32, “Inspection of Reactor Coolant Pressure Boundary”

— — — — —, *Title 10, Energy*, Part 50, Appendix A, GDC 34, “Residual Heat Removal”

— — — — —, *Title 10, Energy*, Part 50, Appendix A, GDC 38, “Containment Heat Removal”

— — — — —, *Title 10, Energy*, Part 50, Appendix A, GDC 45, “Inspection of Cooling Water System”

— — — — —, *Title 10, Energy*, Part 50, Appendix A, GDC 50, “Containment Design Basis”

— — — — —, *Title 10, Energy*, Part 50, Appendix A, GDC 52, “Capability for Containment Leakage Rate Testing”

— — — — —, *Title 10, Energy*, Part 50, Appendix A, GDC 53, “Provisions for Containment Testing and Inspection”

— — — — —, *Title 10, Energy*, Part 50, Appendix A, GDC 54, “Piping System Penetrating Containment”

— — — — —, *Title 10, Energy*, Part 50, Appendix A, GDC 60, “Control of Releases of Radioactive Materials to the Environment”

— — — — —, *Title 10, Energy*, Part 50, Appendix A, GDC 61, “Fuel Storage and Handling and Radioactivity Control”

— — — — —, *Title 10, Energy*, Part 50, Appendix A, GDC 64, “Monitoring Radioactivity Releases”

— — — — —, *Title 10, Energy*, Part 50, Appendix B, “Quality Assurance Criteria for Nuclear Power Plants and Fuel Reprocessing Plants”

— — — — —, *Title 10, Energy*, Part 50, Appendix C, “A Guide for the Financial Data and Related Information Required to Establish Financial Qualifications for Construction Permits and Combined Licenses”

— — — — —, *Title 10, Energy*, Part 50, Appendix E, “Emergency Planning and Preparedness for Production and Utilization Facilities”

— — — — —, *Title 10, Energy*, Part 50, Appendix G, “Fracture Toughness Requirements”

— — — — —, *Title 10, Energy*, Part 50, Appendix H, “Reactor Vessel Material Surveillance Program Requirements”

— — — — —, *Title 10, Energy*, Part 50, Appendix I, “Numerical Guides for Design Objectives and Limiting Conditions for Operation to Meet the Criterion ‘As Low as is Reasonably Achievable’ for Radioactive Material in Light-Water-Cooled Nuclear Power Reactor Effluents”

— — — — —, *Title 10, Energy*, Part 50, Appendix J, “Primary Reactor Containment Leakage Testing for Water-Cooled Power Reactors”

— — — — —, *Title 10, Energy*, Part 50, Appendix K, “ECCS Evaluation Models”

— — — — —, *Title 10, Energy*, Part 50, Appendix S, “Earthquake Engineering Criteria for Nuclear Power Plants”

— — — — —, *Title 10, Energy*, 50.2, “Definitions”

— — — — —, *Title 10, Energy*, 50.9, “Completeness and accuracy of information”

— — — — —, *Title 10, Energy*, 50.10, “License required; limited work authorization”

— — — — —, *Title 10, Energy*, 50.12, “Specific exemptions”

— — — — —, *Title 10, Energy*, 50.33, “Contents of applications; general information”

— — — — —, *Title 10, Energy*, 50.34, “Contents of applications; technical information”

— — — — —, *Title 10, Energy*, 50.34a, “Design objectives for equipment to control releases of radioactive material in effluents—nuclear power reactors”

— — — — —, *Title 10, Energy*, 50.34(a), “Preliminary safety analysis report”

— — — — —, *Title 10, Energy*, 50.34(b), “Final safety analysis report”

— — — — —, *Title 10, Energy*, 50.36, “Technical specifications”

— — — — —, *Title 10, Energy*, 50.36a, “Technical specifications on effluents from nuclear power reactors”

— — — — —, *Title 10, Energy*, 50.40, “Common standards”

— — — — —, *Title 10, Energy*, 50.43, “Additional standards and provisions affecting class 103 licenses and certifications for commercial power”

— — — — —, *Title 10, Energy*, 50.47, “Emergency plans”

— — — — —, *Title 10, Energy*, 50.48, “Fire protection”

— — — — —, *Title 10, Energy*, 50.49, “Environmental qualification of electric equipment important to safety for nuclear power plants”

— — — — —, *Title 10, Energy*, 50.54, “Conditions of licenses”

— — — — —, *Title 10, Energy*, 50.55, “Conditions of construction permits, early site permits, combined licenses, and manufacturing licenses”

— — — — —, *Title 10, Energy*, 50.55a, “Codes and standards”

— — — — —, *Title 10, Energy*, 50.59, “Changes, tests and experiments”

— — — — —, *Title 10, Energy*, 50.60, “Acceptance criteria for fracture prevention measures for lightwater nuclear power reactors for normal operation”

— — — — —, *Title 10, Energy*, 50.61, “Fracture toughness requirements for protection against pressurized thermal shock events”

— — — — —, *Title 10, Energy*, 50.62, “Requirements for reduction of risk from anticipated transients without scram (ATWS) events for light-water-cooled nuclear power plants”

— — — — —, *Title 10, Energy*, 50.63, “Loss of all alternating current power”

— — — — —, *Title 10, Energy*, 50.65, “Requirements for monitoring the effectiveness of maintenance at nuclear power plants”

— — — — —, *Title 10, Energy*, 50.71, “Maintenance of records, making of reports”

— — — — —, *Title 10, Energy*, 50.72, “Immediate notification requirements for operating nuclear power reactors”

— — — — —, *Title 10, Energy*, 50.73, “License event report system”

— — — — —, *Title 10, Energy*, 50.75, “Reporting and recordkeeping for decommissioning planning”

— — — — —, *Title 10, Energy*, 50.90, “Application for amendment of license, construction permit, or early site permit”

— — — — —, *Title 10, Energy*, 50.120, “Training and qualification of nuclear power plant personnel”

— — — — —, *Title 10, Energy*, Part 51, “Environmental protection regulations for domestic licensing and related regulatory functions”

— — — — —, *Title 10, Energy*, 51.50, “Environmental report—construction permit, early site permit, or combined license stage”

— — — — —, *Title 10, Energy*, Part 52, “Licenses, certifications, and approvals for nuclear power plants”

— — — — —, *Title 10, Energy*, Part 52, Appendix D, “Design Certification Rule for the AP1000 Design”

— — — — —, *Title 10, Energy*, 52.7, “Specific exemptions”

— — — — —, *Title 10, Energy*, 52.17, “Contents of applications; technical information”

— — — — —, *Title 10, Energy*, 52.47, “Contents of applications; technical information”

— — — — —, *Title 10, Energy*, 52.55, “Duration of certification”

— — — — —, *Title 10, Energy*, 52.63, “Finality of standard design certifications”

— — — — —, *Title 10, Energy*, 52.73, “Relationship to other subparts”

— — — — —, *Title 10, Energy*, 52.77, “Contents of applications; general information”

— — — — —, *Title 10, Energy*, 52.79, “Contents of applications; technical information in final safety analysis report”

— — — — —, *Title 10, Energy*, 52.80, “Contents of applications; additional technical information”

— — — — —, *Title 10, Energy*, 52.81, “Standards for review of applications”

— — — — —, *Title 10, Energy*, 52.83, “Finality of referenced NRC approvals; partial initial decision on site suitability”

— — — — —, *Title 10, Energy*, 52.85, “Administrative review of applications; hearings”

— — — — —, *Title 10, Energy*, 52.87, “Referral to the Advisory Committee on Reactor Safeguards (ACRS)”

— — — — —, *Title 10, Energy*, 52.93, “Exemptions and variances”

— — — — —, *Title 10, Energy*, 52.97, “Issuance of combined licenses”

— — — — —, *Title 10, Energy*, 52.98, “Finality of combined licenses; information requests”

— — — — —, *Title 10, Energy*, 52.99, “Inspection during construction”

— — — — —, *Title 10, Energy*, 52.103, “Operation under a combined license”

— — — — —, *Title 10, Energy*, Part 54, “Requirements for renewal of operating licenses for nuclear power plants”

— — — — —, *Title 10, Energy*, Part 55, “Operator's licenses”

— — — — —, *Title 10, Energy*, 55.13, “General exemptions”

— — — — —, *Title 10, Energy*, 55.31, “How to apply”

— — — — —, *Title 10, Energy*, 55.41, “Written examinations: Operators”

— — — — —, *Title 10, Energy*, 55.43, “Written examinations: Senior operators”

— — — — —, *Title 10, Energy*, 55.45, “Operating tests”

— — — — —, *Title 10, Energy*, 55.59, “Requalification”

— — — — —, *Title 10, Energy*, Part 61, “Licensing requirements for land disposal of radioactive waste”

— — — — —, *Title 10, Energy*, 61.55, “Waste classification”

— — — — —, *Title 10, Energy*, 61.56, “Waste characteristics”

— — — — —, *Title 10, Energy*, Part 70, “Domestic licensing of special nuclear material”

— — — — —, *Title 10, Energy*, 70.22, “Contents of applications”

— — — — —, *Title 10, Energy*, Part 71, “Packaging and transportation of radioactive material”

— — — — —, *Title 10, Energy*, Part 73, “Physical protection of plants and materials”

— — — — —, *Title 10, Energy*, Part 73, Appendix B, “General Criteria for Security Personnel”

— — — — —, *Title 10, Energy*, Part 73, Appendix C, “Nuclear Power Plant Safeguards Contingency Plans”

— — — — —, *Title 10, Energy*, Part 73, Appendix G, “Reportable Safeguards Events”

— — — — —, *Title 10, Energy*, 73.1, “Purpose and scope”

— — — — —, *Title 10, Energy*, 73.2, “Definitions”

— — — — —, *Title 10, Energy*, 73.21, “Protection of Safeguards Information: Performance Requirements”

— — — — —, *Title 10, Energy*, 73.45, “Performance capabilities for fixed site physical protection systems”

— — — — —, *Title 10, Energy*, 73.46, “Fixed site physical protection systems, subsystems, components, and procedures”

— — — — —, *Title 10, Energy*, 73.54, “Protection of digital computer and communication systems and networks”

— — — — —, *Title 10, Energy*, 73.55, “Requirements for physical protection of licensed activities in nuclear power reactors against radiological sabotage”

— — — — —, *Title 10, Energy*, 73.55, Appendix B, “General Criteria for Security Personnel”

— — — — —, *Title 10, Energy*, 73.55, Appendix C, “Nuclear Power Plant Safeguards Contingency Plans”

— — — — —, *Title 10, Energy*, 73.55, Appendix G, “Reportable Safeguards Events”

— — — — —, *Title 10, Energy*, 73.55, Appendix H, “Weapons Qualification Criteria”

— — — — —, *Title 10, Energy*, 73.56, “Personnel access authorization requirements for nuclear power plants”

— — — — —, *Title 10, Energy*, 73.57, “Requirements for criminal history records checks of individuals granted unescorted access to a nuclear power facility or access to Safeguards Information”

— — — — —, *Title 10, Energy*, 73.58, “Safety/security interface requirements for nuclear power reactors”

— — — — —, *Title 10, Energy*, 73.70, “Records”

— — — — —, *Title 10, Energy*, 73.71, “Reporting of safeguards events”

— — — — —, *Title 10, Energy*, Part 74, “Material control and accounting of special nuclear material”

— — — — —, *Title 10, Energy*, Part 100, “Reactor site criteria”

— — — — —, *Title 10, Energy*, 100.1, “Purpose”

— — — — —, *Title 10, Energy*, 100.3, “Definitions”

— — — — —, *Title 10, Energy*, 100.10, “Factors to be considered when evaluating sites”

— — — — —, *Title 10, Energy*, 100.20, “Factors to be considered when evaluating sites”

— — — — —, *Title 10, Energy*, 100.21, “Non-seismic siting criteria”

— — — — —, *Title 10, Energy*, 100.23, “Geologic and seismic siting criteria”

— — — — —, *Title 10, Energy*, Part 140, “Financial protection requirements and indemnity agreements”

— — — — —, *Title 10, Energy*, 140.11, “Amounts of financial protection for certain reactors”

— — — — —, *Title 40, Energy*, 81.108, “Columbia Intrastate Air Quality Control Region”

— — — — —, *Title 40, Energy*, 81.341, “South Carolina”

— — — — —, *Title 40, Energy*, Part 190, “Environmental Radiation Protection Standards for Nuclear Power Operations”

— — — — —, *Title 44, Energy*, Part 353, “Memorandum of Understanding (MOU) Between Federal Emergency Management Agency and Nuclear Regulatory Commission Relating to Radiological Emergency Planning and Preparedness”

— — — — —, *Title 49, Energy*, Part 173, “Shippers—General Requirements for Shipments and Packagings”

U.S. Environmental Protection Agency

— — — — —, 400-R-92-001, “Manual of Protective Action Guides and Protective Actions for Nuclear Incidents”

U.S. Nuclear Regulatory Commission (NRC)

Commission Papers

— — — — —, SECY-93-087, “Policy, Technical, and Licensing Issues Pertaining to Evolutionary and Advanced Light-Water Reactor (ALWR) Designs,” April 2, 1993, (ADAMS Accession No. ML003708021), and the related SRM, dated July 21, 1993. (ADAMS Accession No. ML003708056.)

— — — — —, SECY-94-084, “Policy and Technical Issues Associated With the Regulatory Treatment of Non-Safety Systems in Passive Plant Designs,” March 28, 1994, (ADAMS Accession No. ML003708068), and the related SRM, dated June 30, 1994. (ADAMS Accession No. ML003708098.)

— — — — —, SECY-95-132, “Policy and Technical Issues Associated with the Regulatory Treatment of Non-Safety Systems (RTNSS) in Passive Plant Designs (SECY-94-084),” May 22, 1995, (ADAMS Accession No. ML003708005), and the related SRM dated June 28, 1995. (ADAMS Accession No. ML003708019.)

— — — — —, SECY-05-0197, “Review of Operational Programs in a Combined License Application and General Emergency Planning Inspections, Tests, Analyses, and Acceptance Criteria” October 28, 2005, (ADAMS Accession Nos. ML052770225, ML052770257), and the related SRM, dated February 22, 2006. (ADAMS Accession No. ML060530316.)

— — — — —, SECY-06-0187, “Semiannual Update of the Status of New Reactor Licensing Activities and Future Planning for New Reactors,” August 25, 2006. (ADAMS Accession No. ML061910627.)

Generic Communications

Bulletin

— — — — —, BL 1980-15, “Possible Loss of Emergency Notification System (ENS) with Loss of Offsite Power,” June 18, 1980. (ADAMS Accession No. ML031210543.)

— — — — —, BL 1988-11, “Pressurizer Surge Line Thermal Stratification,” December 20, 1988. (ADAMS Accession No. ML8812150118.)

— — — — —, BL 2002-01, “Reactor Pressure Vessel Head Degradation and Reactor Coolant Pressure Boundary Integrity,” March 18, 2002. (ADAMS Accession No. ML020770497.)

— — — — —, BL 2003-01, “Potential Impact of Debris Blockage on Emergency Sump Recirculation at Pressurized-Water Reactors,” June 9, 2003. (ADAMS Accession No. ML031600259.)

— — — — —, BL 2005-02, “Emergency Preparedness and Response Actions for Security-Based Events” July 18, 2005. (ADAMS Accession No. ML051740058.)

Generic Letter

— — — — —, GL 1980-009, “Low Level Radioactive Waste Disposal,” January 29, 1980. (ADAMS Accession No. ML031350287.)

— — — — —, GL 1981-038, “Storage of Low-Level Radioactive Wastes at Power Reactor Sites,” November 10, 1981. (ADAMS Accession No. ML031110064.)

— — — — —, GL 1981-039, “NRC Volume Reduction Policy,” November 30, 1981. (ADAMS Accession No. ML031210460.)

— — — — —, GL 1985-05, “Inadvertent Boron Dilution Events,” January 31, 1985. (ADAMS Accession No. ML850210366.)

— — — — —, GL 1988-05, “Staff Position on Boric Acid Corrosion of Carbon Steel Reactor Pressure Boundary Components in PWR Plants,” March 17, 1988. (ADAMS Accession No. ML8803220364.)

— — — — —, GL 1989-02, “Actions to Improve the Detection of Counterfeit and Fraudulently Marked Products,” March 21, 1989. (ADAMS Accession No. ML8903160296.)

— — — — —, GL 1989-08, “Erosion/Corrosion-Induced Pipe Wall Thinning,” May 2, 1989. (ADAMS Accession No. ML031200731.)

— — — — —, GL 1991-05, “Licensee Commercial-Grade Procurement and Dedication Programs,” April 9, 1991. (ADAMS Accession No. ML9104030126.)

— — — — —, GL 1991-14, “Emergency Telecommunications,” September 23, 1991.

— — — — —, GL 1992-01, “Reactor Vessel Structural Integrity,” February 28, 1992.

— — — — —, GL 1996-03, “Relocation of the Pressure Temperature Limit Curves and Low Temperature Overpressure Protection System Limits,” January 31, 1996. (ADAMS Accession No. ML031110004.)

— — — — —, GL 1996-05, “Periodic Verification of Design-Basis Capability of Safety-Related Motor-Operated Valves,” September 18, 1996. (ADAMS Accession No. ML031110010.)

— — — — —, GL 1997-06, “Degradation of Steam Generator Internals,” September 30, 2006. (ADAMS Accession No. ML9609250096.)

— — — — —, GL 2004-02, “Potential Impact of Debris Blockage on Emergency Recirculation during Design Basis Accidents at Pressurized-Water Reactors,” September 13, 2004. (ADAMS Accession No. ML042360586.)

— — — — —, GL 2006-02, “Grid Reliability and the Impact on Plant Risk and the Operability of Offsite Power,” February 1, 2006. (ADAMS Accession No. ML060180352.)

— — — — —, GL 2007-01, “Inaccessible or Underground Power Cable Failures that Disable Accident Mitigation Systems or Cause Plant Transients,” February 7, 2007. (ADAMS Accession No. ML070360665.)

Generic Safety Issue

— — — — —, GSI-43, “Reliability of Air Systems”

— — — — —, GSI-83, “Control Room Habitability”

— — — — —, GSI-191, “Assessment of Debris Accumulation on PWR Sump Performance”

Information Notice

— — — — —, IN 86-83, “Underground Pathways into Protected Areas, Vital Areas, and Controlled Access Areas,” September 19, 1986. (ADAMS Accession Nos. ML031250244, ML031250275.)

Inspection Reports

— — — — —, Inspection Report 05000395-2006009, “Virgil C. Summer Nuclear Station,” March 9, 2006. (ADAMS Accession No. ML061110240.)

Interim Staff Guidance

— — — — —, DC/COL-ISG-1, “Interim Staff Guidance on Seismic Issues of High Frequency Ground Motion in Design Certification and Combined License Applications”, May 19, 2008. (ADAMS Accession No. ML081400293.)

— — — — —, DC/COL-ISG-3, “Probabilistic Risk Assessment Information to Support Design Certification and Combined License Applications,” June 11, 2008. (ADAMS Accession No. ML081430675).

— — — — —, DC/COL-ISG-07, “Interim Staff Guidance on Assessment of Normal and Extreme Winter Precipitation Loads on the Roofs of Seismic Category I Structures,” June 23, 2009. (ADAMS Accession No. ML091490565.)

— — — — —, DC/COL-ISG-8, “Necessary Content of Plant-Specific Technical Specifications When a Combined License is Issued,” December 9, 2008. (ADAMS Accession No. ML083310259.)

— — — — —, DC/COL-ISG-11, “Interim Staff Guidance Finalizing Licensing-basis Information,” November 2, 2009. (ADAMS Accession No. ML092890623.)

— — — — —, DC/COL-ISG-20, “Implementation of a Probabilistic Risk Assessment-Based Seismic Margin Analysis for New Reactors,” March 15, 2010. (ADAMS Accession No. ML100491233.)

NUREG-Series Reports

— — — — —, NUREG-0396/EPA 520/1-78-016, “Planning Basis for the Development of State and Local Government Radiological Emergency Response Plans in Support of Light Water Nuclear Power Reactors”

— — — — —, NUREG-0588, Revision 1 “Interim Staff Position on Environmental Qualification of Safety-Related Electrical Equipment,” July 1981. (ADAMS Accession No. ML031480402.)

— — — — —, NUREG-0612, “Control of Heavy Loads at Nuclear Power Plants. Resolution of Generic Technical Activity A-36,” July 1980. (ADAMS Accession No. ML070250180.)

— — — — —, NUREG-0654/FEMA-REP-1, Revision 1, “Criteria for Preparation and Evaluation of Radiological Emergency Response Plans and Preparedness in Support of Nuclear Power Plants,” November 1980. (ADAMS Accession No. ML040420012.)

— — — — —, NUREG-0696, “Functional Criteria for Emergency Response Facilities,” February 28, 1981. (ADAMS Accession No. ML051390358.)

— — — — —, NUREG-0711, “Human Factors Engineering Program Review Model”

— — — — —, NUREG-0717, “Safety Evaluation Report Related to the Operation of the Virgil C. Summer Nuclear Station Unit No. 1, Docket No. 50-395”

— — — — —, NUREG-0728, “NRC Incident Response Plan”

— — — — —, NUREG-0737, “Clarification of TMI Action Plan Requirements,” November 1980. (ADAMS Accession No. ML051400209.)

— — — — —, NUREG-0800, “Standard Review Plan for the Review of Safety Analysis Reports for Nuclear Power Plants (LWR Edition),” March 2007. (ADAMS Accession No. ML070660036.)

— — — — —, NUREG-0917, “Nuclear Regulatory Commission Staff Computer Programs for Use with Meteorological Data”

— — — — —, NUREG-0927, Revision 1, “Evaluation of Water Hammer Occurrence in Nuclear Power Plants”

— — — — —, NUREG-0933, “Resolution of Generic Safety Issues (Formerly entitled ‘A Prioritization of Generic Safety Issues’),” August 2008. (ADAMS Accession No. ML082410719.)

— — — — —, NUREG-1021, “Operator Licensing Examination Standards for Power Reactors”

— — — — —, NUREG-1022, Revision 2, “Event Reporting Guidelines: 10 CFR 50.72 and 50.73,” October 2000.

— — — — —, NUREG-1407, “Procedural and Submittal Guidance for the Individual Plant Examination of External Events (IPEEE) for Severe Accident Vulnerabilities”

— — — — —, NUREG-1431, “Standard Technical Specifications — Westinghouse Plants”

— — — — —, NUREG-1431, “Standard Technical Specifications Westinghouse Plants”

— — — — —, NUREG-1482, “Guidelines for Inservice Testing at Nuclear Power Plants”

— — — — —, NUREG-1555, Supplement 1: “Standard Review Plans for Environmental Reviews for Nuclear Power Plants”

— — — — —, NUREG-1577, “Standard Review Plan on Power Reactor Licensee Financial Qualifications and Decommissioning Funding Assurance”

— — — — —, NUREG-1736, “Consolidated Guidance: 10 CFR Part 20 – Standards for Protection Against Radiation,” October 2001. (ADAMS Accession No. ML013330179.)

— — — — —, NUREG-1793, “Final Safety Evaluation Report Related to Certification of the AP1000 Standard Design,” September 2004. (ADAMS Accession No. ML043570339.)

— — — — —, NUREG-1801, “Generic Aging Lessons Learned (GALL) Report,” Volume 2, Revision 2

— — — — —, NUREG-1805, “Fire Dynamics Tools (FDTs) Quantitative Fire Hazard Analysis Methods for the U.S. Nuclear Regulatory Commission Fire Protection Inspection Program”

— — — — —, NUREG-1835, “Safety Evaluation Report for an Early Site Permit (ESP) at the North Anna ESP Site,” September 2005. (ADAMS Accession No. ML052710305.)

— — — — —, NUREG-1923, “Safety Evaluation Report for an Early Site Permit (ESP) at the Vogtle Electric Generating Plant (VEGP) ESP Site”

— — — — —, NUREG/BR-0230, “RCM-96 Response Coordination Manual,” December 1996. (ADAMS Accession No. ML080810312.)

— — — — —, NUREG/CR-2858, “PAVAN: An Atmospheric Dispersion Program for Evaluating Design Basis Accidental Releases of Radioactive Materials from Nuclear Power Stations”

— — — — —, NUREG/CR-2919, “XOQDOQ Computer Program for the Meteorological Evaluation of Routine Effluent Releases at Nuclear Power Stations”

— — — — —, NUREG/CR-4013, “LADTAP II - Technical Reference and User Guide,” April 1986

— — — — —, NUREG/CR-4461, “Tornado Climatology of the Contiguous United States,” May 1986.

— — — — —, NUREG/CR-4461, “Tornado Climatology of the Contiguous United States,” January 1987.

— — — — —, NUREG/CR-4653, "GASPAR II - Technical Reference and User Guide," March 1987

— — — — —, NUREG/CR-4873, "Benchmark Study of the IDYNEV Evacuation Time Estimate Computer Code"

— — — — —, NUREG/CR-4874, "The Sensitivity of Evacuation Time Estimates to Changes in Input Parameters for the IDYNEV Computer Code"

— — — — —, NUREG/CR-6190, "Update of NUREG/CR-6190 Material to Reflect Postulated Threat Requirements" **(Includes security-related or safeguards information and is not publicly available)**

— — — — —, NUREG/CR-6331, Revision 1, "Atmospheric Relative Concentrations in Building Wakes," May 1997.

— — — — —, NUREG/CR-6607, "Guidance for Performing Probabilistic Seismic Hazard Analysis for a Nuclear Plant Site: Example Application to the Southeastern United States"

— — — — —, NUREG/CR-6728, "Technical Basis for Revision of Regulatory Guidance on Design Ground Motions: Hazard- and Risk-Consistent Ground Motion Spectra Guidelines," October 2001. (ADAMS Accession No. ML013100232.)

— — — — —, NUREG/CR-6953, "Review of NUREG-0654, Supplement 3, "Criteria for Protective Action Recommendations for Severe Accidents"

— — — — —, NUREG/CR-7000, "Essential Elements of an Electric Cable Condition Monitoring Program"

Regulatory Guide

— — — — —, RG 1.8, Revision 3, "Qualification and Training of Personnel for Nuclear Power Plants," May 2000. (ADAMS Accession No. ML003706932.)

— — — — —, RG 1.12, Revision 2, "Nuclear Power Plant Instrumentation for Earthquakes," March 1997. (ADAMS Accession No. ML003739944.)

— — — — —, RG 1.16, "Reporting of Operating Information"

— — — — —, RG 1.21, Revision 2, "Measuring, Evaluating, and Reporting Radioactive Material in Liquid and Gaseous Effluents and Solid Waste," June 2009. (ADAMS Accession No. ML091170109.)

— — — — —, RG 1.23, Revision 1, "Meteorological Monitoring Programs for Nuclear Power Plants," March 2007. (ADAMS Accession No. ML070350028.)

— — — — —, RG 1.26, Revision 4, "Quality Group Classification and Standards for Water-, Steam-, and Radioactive-Waste-Containing Components of Nuclear Power Plants," March 2007. (ADAMS Accession No. ML070290283.)

— — — — —, RG 1.27, Revision 2, “Ultimate Heat Sink for Nuclear Power Plants (for Comment),” January 1976. (ADAMS Accession No. ML003739969.)

— — — — —, RG 1.28, Revision 4, “Quality Assurance Program Requirements (Design and Construction),” June 2010. (ADAMS Accession No. ML100160003.)

— — — — —, RG 1.29, Revision 4, “Seismic Design Classification,” March 2007. (ADAMS Accession No. ML070310052.)

— — — — —, RG 1.30, “Quality Assurance Requirements for the Installation, Inspection, and Testing of Instrumentation and Electric Equipment (Safety Guide 30),” August 1972.

— — — — —, RG 1.31, Revision 3, “Control of Ferrite Content in Stainless Steel Weld Metal,” April 1978. (ADAMS Accession No. ML003739986.)

— — — — —, RG 1.33, Revision 2, “Quality Assurance Program Requirements (Operation),” February 1978. (ADAMS Accession No. ML003739995.)

— — — — —, RG 1.37, Revision 1, “Quality Assurance Requirements for Cleaning of Fluid Systems and Associated Components of Water-Cooled Nuclear Power Plants,” March 2007. (ADAMS Accession No. ML070250571.)

— — — — —, RG 1.38, “Quality Assurance Requirements for Packaging, Shipping, Receiving, Storage, and Handling of Items for Water-Cooled Nuclear Power Plants,” **(Withdrawn -- See 75 FR 54921, 09/09/2010)**

— — — — —, RG 1.39, “Housekeeping Requirements for Water-Cooled Nuclear Power Plants,” September 1977. (ADAMS Accession No. ML003740067.)

— — — — —, RG 1.44, “Control of the Use of Sensitized Steel,” May 1973. (ADAMS Accession No. ML003740109.)

— — — — —, RG 1.45, Revision 1, “Guidance on Monitoring and Responding to Reactor Coolant System Leakage,” May 1973. (ADAMS Accession No. ML003740113.)

— — — — —, RG 1.52, Revision 3, “Design, Inspection, and Testing Criteria for Air Filtration and Adsorption Units of Post Accident Engineered Safety Feature Atmosphere Cleanup Systems in Light Water Cooled Nuclear Power Plants,” June 2001. (ADAMS Accession No. ML011710176.)

— — — — —, RG 1.54, Revision 1, “Service Level I, II, and III Protective Coatings Applied to Nuclear Power Plants,” July 2000. (ADAMS Accession No. ML003714475.)

— — — — —, RG 1.59, Revision 2, “Design Basis Floods for Nuclear Power Plants,” August 1977. (ADAMS Accession No. ML003740388.)

— — — — —, RG 1.60, Revision 1, “Design Response Spectra for Seismic Design of Nuclear Power Plants,” December 1973. (ADAMS Accession No. ML003740207.)

— — — — —, RG 1.63, Revision 3, “Electric Penetration Assemblies in Containment Structures for Nuclear Power Plants,” February 1987. (ADAMS Accession No. ML003740219.)

— — — — —, RG 1.65, Revision 1, “Materials and Inspections for Reactor Vessel Closure Studs,” April 2010. (ADAMS Accession No. ML092050716.)

— — — — —, RG 1.68, Revision 3, “Initial Test Program for Water-Cooled Nuclear Power Plants,” March 2007. (ADAMS Accession No. ML070260039.)

— — — — —, RG 1.70, Revision 3, “Standard Format and Content of Safety Analysis Reports for Nuclear Power Plants (LWR Edition),” November 1978. (ADAMS Accession No. ML011340116.)

— — — — —, RG 1.75, Revision 3, “Physical Independence of Electrical Systems,” February 2005. (ADAMS Accession No. ML043630448.)

— — — — —, RG 1.76, Revision 1, “Design-Basis Tornado and Tornado Missiles for Nuclear Power Plants,” March 2007. (ADAMS Accession No. ML070360253.)

— — — — —, RG 1.78, Revision 1, “Evaluating the Habitability of a Nuclear Power Plant Control Room During a Postulated Hazardous Chemical Release,” December 2001. (ADAMS Accession No. ML013100014.)

— — — — —, RG 1.82, Revision 3, “Potential Impact of Debris Blockage on Emergency Recirculation during Design Basis Accidents at Pressurized-Water Reactors,” November 2003. (ADAMS Accession No. ML031960432.)

— — — — —, RG 1.84, “Design and Fabrication Code Case Acceptability, ASME Section III, Division 1”

— — — — —, RG 1.89, Revision 1, “Environmental Qualification of Certain Electric Equipment Important to Safety for Nuclear Power Plants,” June 1984. (ADAMS Accession No. ML003740271.)

— — — — —, RG 1.91, Revision 1, “Evaluations of Explosions Postulated to Occur at Transportation Routes Near Nuclear Power Plants,” February 1978. (ADAMS Accession No. ML003740286.)

— — — — —, RG 1.94, Revision 1, “Quality Assurance Requirements for Installation, Inspection, and Testing of Structural Concrete and Structural Steel During the Construction Phase of Nuclear Power Plants,” April 1976. (ADAMS Accession No. ML003740305.)

— — — — —, RG 1.97, Revision 4, “Criteria for Accident Monitoring Instrumentation for Nuclear Power Plants,” June 2006. (ADAMS Accession No. ML061580448.)

— — — — —, RG 1.99, Revision 2, “Radiation Embrittlement of Reactor Vessel Materials,” May 1988. (ADAMS Accession No. ML031430205.)

— — — — —, RG 1.99, Revision 2, “Radiation Embrittlement of Reactor Vessel Materials,” May 1988. (ADAMS Accession No. ML003740284.)

— — — — —, RG 1.100, Revision 3, “Seismic Qualification of Electric and Active Mechanical Equipment and Functional Qualification of Active Mechanical Equipment for Nuclear Power Plants,” September 2009. (ADAMS Accession No. ML091320468.)

— — — — —, RG 1.102, Revision 1, “Flood Protection for Nuclear Power Plants,” September 1976. (ADAMS Accession No. ML003740308.)

— — — — —, RG 1.105, Revision 2, “Setpoints for Safety-Related Instrumentation,” February 1986

— — — — —, RG 1.109, Revision 1, “Calculation of Annual Doses to Man from Routine Releases of Reactor Effluents for the Purpose of Evaluating Compliance with 10 CFR Part 50, Appendix I,” October 1977

— — — — —, RG 1.110, “Cost-Benefit Analysis for Radwaste Systems for Light-Water-Cooled Nuclear Power Reactors (for comment),” March 1976. (ADAMS Accession No. ML003740332.)

— — — — —, RG 1.111, Revision 1, “Methods for Estimating Atmospheric Transport and Dispersion of Gaseous Effluents in Routine Releases from Light-Water-Cooled Nuclear Power Reactors,” July 1977. (ADAMS Accession No. ML003740354.)

— — — — —, RG 1.112, Revision 1, “Calculation of Releases of Radioactive Materials in Gaseous and Liquid Effluents from Light-Water-Cooled Power Reactors,” March 2007. (ADAMS Accession No. ML070320241.)

— — — — —, RG 1.113, Revision 1, “Estimating Aquatic Dispersion of Effluents from Accidental and Routine Reactor Releases for the Purpose of Implementing Appendix I,” April 1977

— — — — —, RG 1.115, Revision 1, “Protection Against Low-Trajectory Turbine Missiles,” July 1977. (ADAMS Accession No. ML003739456.)

— — — — —, RG 1.116, Revision 0-R, “Quality Assurance Requirements for Installation, Inspection, and Testing of Mechanical Equipment and Systems,” May 1977. (ADAMS Accession No. ML003739465.)

— — — — —, RG 1.121, “Bases for Plugging Degraded PWR Steam Generator Tubes,” (for Comment), August 1976

— — — — —, RG 1.129, Revision 2, “Maintenance, Testing, and Replacement of Large Lead Storage Batteries for Nuclear Power Plants,” February 2007. (ADAMS Accession No. ML063490110.)

— — — — —, RG 1.132, Revision 2, “Site Investigations for Foundations of Nuclear Power Plants”

— — — — —, RG 1.133, Revision 1, “Loose-Part Detection Program for the Primary System of Light-Water-Cooled Reactors,” May 1981. (ADAMS Accession No. ML003740137.)

— — — — —, RG 1.138, Revision 2, “Laboratory Investigations of Soils and Rocks for Engineering Analysis and Design of Nuclear Power Plants”

— — — — —, RG 1.140, Revision 2, “Design, Inspection, and Testing Criteria for Air Filtration and Adsorption Units of Normal Atmosphere Cleanup Systems in Light-Water-Cooled Nuclear Power Plants”

— — — — —, RG 1.143, Revision 2, “Design Guidance for Radioactive Waste Management Systems, Structures, and Components Installed in Light-Water-Cooled Nuclear Power Plants,” November 2001. (ADAMS Accession No. ML013100305.)

— — — — —, RG 1.145, Revision 1, “Atmospheric Dispersion Models for Potential Accident Consequence Assessments at Nuclear Power Plants,” November 1982. (ADAMS Accession No. ML003740205.)

— — — — —, RG 1.147, “Inservice Inspection Code Case Acceptability, ASME Section XI, Division 1,” October 2007. (ADAMS Accession No. ML072070419.)

— — — — —, RG 1.149, “Nuclear Power Plant Simulation Facilities for Use in Operator Training and License Examinations,” October 2001. (ADAMS Accession No. ML012770164.)

— — — — —, RG 1.150, “Ultrasonic Testing of Reactor Vessel Welds During Preservice and Inservice Examinations” **(Withdrawn-- See 73 FR 7766, 02/11/2008)**

— — — — —, RG 1.152, Revision 3, “Criteria for Digital Computers in Safety Systems of Nuclear Power Plants,” July 2011. (ADAMS Accession No. ML102870028.)

— — — — —, RG 1.155, “Station Blackout,” August 1988. (ADAMS Accession No. ML003716792.)

— — — — —, RG 1.160, Revision 2, “Monitoring the Effectiveness of Maintenance at Nuclear Power Plants,” March 1997. (ADAMS Accession No. ML003761662.)

— — — — —, RG 1.163, “Performance-Based Containment Leak-Test Program,” September 1995. (ADAMS Accession No. ML003740058.)

— — — — —, RG 1.165, “Identification and Characterization of Seismic Sources and Determination of Safe Shutdown Earthquake Ground Motion” **(Withdrawn -- See 75 FR 22868, 04/30/2010)**

— — — — —, RG 1.166, “Pre-Earthquake Planning and Immediate Nuclear Power Plant Operator Postearthquake Actions,” March 1997. (ADAMS Accession No. ML003740089.)

— — — — —, RG 1.167, “Restart of a Nuclear Power Plant Shut Down by a Seismic Event,” March 1997. (ADAMS Accession No. ML003740093.)

— — — — —, RG 1.182, Revision 0, “Assessing and Managing Risk Before Maintenance Activities at Nuclear Power Plants,” May 2000. (ADAMS Accession No. ML003740117.)

— — — — —, RG 1.183, “Alternative Radiological Source Terms for Evaluating Design Basis Accidents at Nuclear Power Reactors,” July 2000. (ADAMS Accession No. ML003716792.)

— — — — —, RG 1.189, Revision 2, “Fire Protection for Nuclear Power Plants,” October 2009. (ADAMS Accession No. ML092580550.)

— — — — —, RG 1.190, “Calculational and Dosimetry Methods for Determining Pressure Vessel Neutron Fluence,” March 2001. (ADAMS Accession No. ML010890301.)

— — — — —, RG 1.192, “Operation and Maintenance Code Case Acceptability, ASME OM Code,” June 2003. (ADAMS Accession No. ML030730430.)

— — — — —, RG 1.194, “Atmospheric Relative Concentrations for Control Room Radiological Habitability Assessments at Nuclear Power Plants,” June 2003. (ADAMS Accession No. ML031530505.)

— — — — —, RG 1.196, “Control Room Habitability at Light Water Nuclear Power Reactors,” May 2003. (ADAMS Accession No. ML031490611.)

— — — — —, RG 1.198, “Procedures and Criteria for Assessing Seismic Soil Liquefaction at Nuclear Power Plant Sites,” November 2003. (ADAMS Accession No. ML033280143.)

— — — — —, RG 1.200, Revision 1, “An Approach for Determining the Technical Adequacy of Probabilistic Risk Assessment Results for Risk-Informed Activities,” January 2007. (ADAMS Accession No. ML070240001.)

— — — — —, RG 1.204, “Guidelines for Lightning Protection of Nuclear Power Plants,” November 2005. (ADAMS Accession No. ML052290422.)

— — — — —, RG 1.206, “Combined License Applications for Nuclear Power Plants (LWR Edition),” June 2007. (ADAMS Accession No. ML070720184.)

— — — — —, RG 1.208, “A Performance-Based Approach to Define the Site-Specific Earthquake Ground Motion,” March 2007. (ADAMS Accession No. ML070310619.)

— — — — —, RG 1.214, “Response Strategies for Potential Aircraft Threats”

— — — — —, RG 4.7, Revision 2, “General Site Suitability Criteria for Nuclear Power Station,” April 1998. (ADAMS Accession No. ML003739894.)

— — — — —, RG 4.15, Revision 2, “Quality Assurance for Radiological Monitoring Programs (Inception through Normal Operations to License Termination) – Effluent Streams and the Environment,” July 2007. (ADAMS Accession No. ML071790506.)

— — — — —, RG 4.21, “Minimization of Contamination and Radioactive Waste Generation: Life-Cycle Planning,” June 2008. (ADAMS Accession No. ML080500187.)

— — — — —, RG 5.7, Revision 1, “Entry/Exit Control for Protected Areas, Vital Areas, and Material Access Areas,”

— — — — —, RG 5.12, “General Use of Locks in the Protection and Control of Facilities and Special Nuclear Materials,” November 1973. (ADAMS Accession No. ML003740035.)

— — — — —, RG 5.44, Revision 3, “Perimeter Intrusion Alarm Systems,” October 1997. (ADAMS Accession No. ML003739217.)

— — — — —, RG 5.62, Revision 1, “Reporting of Safeguards Events”

— — — — —, RG 5.65, “Vital Area Access Controls, Protection of Physical Protection System Equipment and Key and Lock Controls”

— — — — —, RG 5.66, Revision 1, “Access Authorization Program for Nuclear Power Plants”

— — — — —, RG 5.68, “Protection Against Malevolent Use of Vehicles at Nuclear Power Plants”

— — — — —, RG 5.69, “Guidance for the Application of Radiological Sabotage Design Basis Threat in the Design, Development, and Implementation of a Physical Security Protection Program that Meets 10 CFR 73.55 Requirements” **(Includes security-related or safeguards information and is not publicly available)**

— — — — —, RG 5.71, “Cyber Security Programs for Nuclear Facilities”

— — — — —, RG 5.74, “Managing the Safety/Security Interface”

— — — — —, RG 5.75, “Training and Qualification of Security Personnel at Nuclear Power Reactor Facilities”

— — — — —, RG 5.76, “Physical Protection Programs at Nuclear Power Reactors” **(Includes security-related or safeguards information and is not publicly available)**

— — — — —, RG 8.2, “Guide for Administrative Practices in Radiation Monitoring,” February 1973. (ADAMS Accession No. ML003739444.)

— — — — —, RG 8.4, “Direct Reading and Indirect Reading Pocket Dosimeters”

— — — — —, RG 8.6, “Standard Test Procedures for Gieger-Muller Counters”

— — — — —, RG 8.7, Revision 2, “Instructions for Recording and Reporting Occupational Radiation Exposure Data,” November 2005. (ADAMS Accession No. ML052970092.)

— — — — —, RG 8.8, Revision 3, “Information Relevant to Ensuring that Occupational Radiation Exposures at Nuclear Power Stations Will Be ALARA,” June 1978. (ADAMS Accession No. ML003739549.)

— — — — —, RG 8.9, Revision 1, “Acceptable Concepts, Models, Equations, and Assumptions for a Bioassay Program,” July 1993. (ADAMS Accession No. ML003739554.)

— — — — —, RG 8.10, Revision 1-R, “Operating Philosophy for Maintaining Occupational Radiation Exposures ALARA,” May 1977. (ADAMS Accession No. ML003739563.)

— — — — —, RG 8.13, Revision 3, “Instruction Concerning Prenatal Radiation Exposure,” June 1999. (ADAMS Accession No. ML003739505.)

— — — — —, RG 8.15, Revision 1, “Acceptable Programs for Respiratory Protection,” October 1999. (ADAMS Accession No. ML003739528.)

— — — — —, RG 8.20, Revision 1, “Applications of Bioassay for I-125 and I-131,” September 1979. (ADAMS Accession No. ML003739555.)

— — — — —, RG 8.25, Revision 1, “Air Sampling in the Workplace,” June 1992. (ADAMS Accession No. ML003739616.)

— — — — —, RG 8.26, “Applications of Bioassay for Fission and Activation Products,” September 1980. (ADAMS Accession No. ML080140014.)

— — — — —, RG 8.27, “Radiation Protection Training for Personnel at Light-Water-Cooled Nuclear Power Plants,” March 1981. (ADAMS Accession No. ML003739628.)

— — — — —, RG 8.28, “Audible-Alarm Dosimeters,” August 1981. (ADAMS Accession No. ML003739382.)

— — — — —, RG 8.29, Revision 1, “Instruction Concerning Risks from Occupational Radiation Exposure”

— — — — —, RG 8.32, “Criteria for Establishing a Tritium Bioassay Program”

— — — — —, RG 8.34, “Monitoring Criteria and Methods to Calculate Occupational Radiation Doses,” July 1992. (ADAMS Accession No. ML090770221.)

— — — — —, RG 8.35, Revision 1, “Planned Special Exposures”

— — — — —, RG 8.36, “Radiation Dose to the Embryo/Fetus,” July 1992. (ADAMS Accession No. ML003739548.)

— — — — —, RG 8.38, Revision 1, “Control of Access to High and Very High Radiation Areas in Nuclear Power Plants”

Draft Regulatory Guides

— — — — —, DG-1145, “Combined License Applications for Nuclear Power Plants (LWR Edition)”

Regulatory Issue Summary

— — — — —, RIS 2000-03, “Resolution of Generic Safety Issue 158: Performance of Safety-Related Power-Operated Valves Under Design Basis Conditions,” March 15, 2000. (ADAMS Accession No. ML003686003.)

— — — — —, RIS 2000-18, “Guidance on Managing Quality Assurance Records in Electronic Media” October 23, 2000.

— — — — —, RIS 2002-22, “Use of EPRI/NEI Joint Task Force Report, ‘Guideline on Licensing Digital Upgrades: EPRI TR-102348, Revision 1, NEI 01-01: A Revision of EPRI TR-102348 to Reflect Changes to the 10 CFR 50.59 Rule,’” November 25, 2002. (ADAMS Accession No. ML023160044.)

— — — — —, RIS 2005-02, “Clarifying the Process for Making Emergency Plan Changes,” February 14, 2005. (ADAMS Accession No. ML042580404.)

— — — — —, RIS 2005-04, “Guidance on the Protection of Unattended Openings that Intersect a Security Boundary or Area,” **(Exempt from public disclosure in accordance with 10 CFR 2.390)**

— — — — —, RIS 2005-026, “Control of Sensitive Unclassified Nonsafeguards Information Related to Nuclear Power Reactors,” November 7, 2005. (ADAMS Accession No. ML051430228.)

— — — — —, RIS 2006-06, “New Reactor Standardization Needed to Support the Design-Centered Licensing Review Approach,” May 31, 2006. (ADAMS Accession No. ML053540251.)

Other NRC Documents

— — — — —, NRC First Revised Order, EA-03-009, “Interim Inspection Requirements for Reactor Pressure Vessel Heads at Pressurized Water Reactors”

— — — — —, April 9, 2009, Letter from Scott Morris, NRC, to Jack Roe, NEI, “NRC Staff Review of NEI 03-12, “Template for Security Plan, Training and Qualification, Safeguards Contingency Plan, [and Independent Spent Fuel Storage Installation Security Program]” (Revision 6).” (ADAMS Accession No. ML090920528.)

— — — — —, SRM, CMWCO-10-0001, “Regulation of Cyber Security at Nuclear Power Plants,” October 2010. (ADAMS Accession No. ML102940009.)

National Fire Protection Association (NFPA)

— — — — —, NFPA 25, “Standard for the Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems”

— — — — —, NFPA 72, “National Fire Alarm and Signaling Code”

— — — — —, NFPA 780, “Standard for the Installation of Lightning Protection”

— — — — —, NFPA 804, “Standard for Fire Protection for Advanced Light Water Reactor Electric Generating Plants”

National Oceanic and Atmospheric Administration (NOAA)/NWS

Hydrometeorological Reports (HMRs) See page 42

— — — — —, NOAA/NWS HMR No. 51 (HMR51. 1978): Probably Maximum Precipitation Estimates, United States East of the 105th Meridian. U. S. Department of Commerce National Oceanic and Atmospheric Administration, U.S. Department of the Army Corps of Engineers. Washington D.C. <http://www.nws.noaa.gov/oh/hdsc/studies/pmp.html>

— — — — —, NOAA HMR No. 52 (HMR52. 1982): Application of Probable Maximum Estimates-United States East of the 105th Meridian. U. S. Department of Commerce National Oceanic and Atmospheric Administration, U.S. Department of the Army Corps of Engineers. Washington D.C. <http://www.nws.noaa.gov/oh/hdsc/studies/pmp.html>

— — — — —, NOAA HMR No. 53 (HMR53. 1980): Seasonal Variation of 10-Square-Mile Probable Maximum Precipitation Estimates, United States East of the 105th Meridian. U. S. Department of Commerce National Oceanic and Atmospheric Administration, U. S. Nuclear Regulatory Commission. Silver Spring, MD. <http://www.nws.noaa.gov/oh/hdsc/studies/pmp.html>

Nuclear Information and Records Management Association (NIRMA)

— — — — —, NIRMA Guidelines TG 11-1998, “Authentication of Records and Media”

— — — — —, NIRMA Guidelines TG 15-1998, “Management of Electronic Records”

— — — — —, NIRMA Guidelines TG 16-1998, “Software Configuration Management and Quality Assurance”

— — — — —, NIRMA Guidelines TG 21-1998, “Electronic Records Protection and Restoration”

U.S. Army Corps of Engineers

— — — — —, EM 1110-2-1420, “Engineering and Design, Hydrologic Engineering Requirement for Reservoirs,” 1997.

U.S. Geological Survey

— — — — —, Open-File Report 2008-1128, “Documentation for the 2008 Update of the United States National Seismic Hazard Maps”

U.S. Nuclear Energy Institute

— — — — —, NEI 03-12, “Template for the Security Plan, Training and Qualification Plan, Safeguards Contingency Plan, and Independent Spent Fuel Installation Security Program,” Revision 6 **(Includes security-related or safeguards information and is not publicly available)**

— — — — —, NEI 04-07, “Pressurized Water Reactor Sump Performance Evaluation Methodology” Revision 0, Volume 1, as supplemented by the NRC in the “Safety Evaluation by The Office of Nuclear Reactor Regulation Related to NRC Generic Letter 2004-02”

— — — — —, NEI 06-06, “Fitness for Duty Program Guidance for New Nuclear Power Plant Construction Sites”

— — — — —, NEI 06-12, “B.5.b Phase 2 & 3 Submittal Guideline,” Revision 3 **(Not Publicly Available)**

— — — — —, NEI 06-13, “Template for an Industry Training Program Description”

— — — — —, NEI 06-13A, “Template for an Industry Training Program Description,” Revision 1

— — — — —, NEI 06-14A, “Quality Assurance Program Description,” Revision 7

— — — — —, NEI 07-01, “Methodology for Development of Emergency Action Levels Advanced Passive Light Water Reactors”

— — — — —, NEI 07-02A, “Generic FSAR Template Guidance for Maintenance Rule Program Description for Plants Licensed Under 10 CFR Part 52”

— — — — —, NEI 07-03A, “Generic FSAR Template Guidance for Radiation Protection Program Description”

— — — — —, NEI 07-08A, “Generic FSAR Template Guidance for Ensuring That Occupational Radiation Exposures Are As Low As Is Reasonably Achievable (ALARA),” Revision 0

— — — — —, NEI 07-09, “Generic FSAR Template Guidance for Offsite Dose Calculation Manual (ODCM) Program Description” September 2007. (ADAMS Accession No. ML072600366.)

— — — — —, NEI 07-10, “FSAR Template Guidance for Process Control Program (PCP) Description”

— — — — —, NEI 07-11, “Generic FSAR Template Guidance for Cost-Benefit Analysis for Radwaste Systems for Light-Water-Cooled Nuclear Power Reactors,” Revision 0

— — — — —, NEI 08-08, “Generic FSAR Template Guidance for Life Cycle Minimization of Contamination,” Revision 0

— — — — —, NEI 08-08A, “Generic FSAR Template Guidance for Life Cycle Minimization of Contamination”

— — — — —, NEI 94-01, “Industry Guideline for Implementing the Performance-Based Option of 10 CFR Part 50, Appendix J”

— — — — —, NEI 97-06, “Steam Generator Program Guidelines”

— — — — —, NEI 99-04, “Guidelines for Managing NRC Commitment Changes,” Revision 0

— — — — —, NUMARC 87-00, “Guidelines and Technical Bases for NUMARC Initiatives Addressing Station Blackout at Light Water Reactors”

— — — — —, NUMARC 93-01, “Industry Guidance for Monitoring the Effectiveness of Maintenance at Nuclear Power Plants” April 1996. (ADAMS Accession No. ML101020415.)

South Carolina Electric and Gas Company Documents

— — — — —, Seismic Confirmatory Program, Virgil C. Summer Nuclear Station Unit 1, OL No. NPF-12, February 1983

— — — — —, Seismic Confirmatory Program Equipment Margin Study, Virgil C. Summer Nuclear Station Unit 1, OL No. NPF-12, November 1983

— — — — —, South Carolina Electric and Gas Company (SCE&G) VCSNS Procedure, HPP-0158, “Contamination Control for Equipment and Materials”

— — — — —, South Carolina Electric and Gas Company (SCE&G) VCSNS Procedure, HPP-0160, “Control and Posting of Radiation Control Zones”

V.C. Summer Nuclear Station (VCSNS)

— — — — —, V.C. Summer Nuclear Station (VCSNS) Combined License (COL) Application, Revision 5

Westinghouse

— — — — —, Westinghouse Calculation Note APP-GW-M1C-002, “AP1000 High Humidity HVAC Systems Design Evaluation”

— — — — —, Westinghouse Calculation Note APP-PGS-M3C-011, “AP1000 Gas Spill or Release Effects on Control Room Habitability,” Revision 0 and Revision 1

— — — — —, Westinghouse Calculation Note APP-VES-M3C-006, “Main Control Room Emergency Habitability from Toxic Chemical Effluents,” Revision 0 and Revision 1

— — — — —, Westinghouse Commercial Atomic Power (WCAP)-14655, “Designer’s Input to the Training of the Human Factors Engineering Verification and Validation Personnel”

— — — — —, Westinghouse Commercial Atomic Power (WCAP)-15985, “AP1000 Implementation of the Regulatory Treatment of Nonsafety-Related System Process”

— — — — —, Westinghouse Commercial Atomic Power (WCAP)-16361, APP-PMS-JEP-001, “Westinghouse Setpoint Methodology for Protection Systems – AP1000”

— — — — —, Westinghouse Technical Report (TR)-36, APP-GW-GLE-036, “Impact of a Revision to the Current Wet Bulb Temperature Identified in Table 5.0-1 (Tier 1) and Table 2-1 (Sheet 1 of 3) of the DCD (Revision 16)”

— — — — —, Westinghouse Technical Report (TR)-49, “AP1000 Enhancement Report

— — — — —, Westinghouse Technical Report (TR)-66, APP-GW-GLR-070, “Development of Severe Accident Management Guidelines”

— — — — —, Westinghouse Technical Report (TR)-68, APP-GW-GLR-069, “Equipment Survivability Assessment”

— — — — —, Westinghouse Technical Report (TR)-70, APP-GW-GLR-040, “Plant Operations, Surveillance, and Maintenance Procedures”

— — — — —, Westinghouse Technical Report (TR)-74A, APP-GW-GLR-064, “AP1000 Generic Technical Specifications Completion”

— — — — —, Westinghouse Technical Report (TR)-74C, APP-GW-GLN-075, “AP1000 Generic Technical Specifications for Design Changes”

— — — — —, Westinghouse Technical Report (TR)-94, APP-GW-GLR-066, “AP1000 Safeguards Assessment Report”

— — — — —, Westinghouse Technical Report (TR)-96, “Interim Compensatory Measures Report”

— — — — —, Westinghouse Technical Report (TR)-101, APP-GW-GLR-101, “AP1000 Probabilistic Risk Assessment Site-Specific Considerations”

— — — — —, Westinghouse Technical Report (TR)-136, APP-GW-GLR-136, Revision 1, “AP1000 Human Factors Program Implementation for the Emergency Operations Facility and Technical Support Center”

— — — — —, Westinghouse TPG-GW-GSC-001, Revision 0, “WGOTHIC Containment Peak Pressure Analysis for the Evaluation of FP&L Turkey Point COL Maximum Wet Bulb Temperature Departure from DCD”

— — — — —, Westinghouse APP-OCS-J1-002, “AP1000 HSI Design Guidelines”

— — — — —, Westinghouse “APP-SFS-M3C-042, Revision 0, SFS HX Sizing Calculation Using Florida Power and Light (Turkey Point) Increased Wet Bulb Temperatures”

Other References

— — — — —, AP1000 Design Control Document (DCD), Revision 19

— — — — —, Caldon Topical Report, ER-157P, “Supplement to Topical Report ER-80P: Basis for a Power Upate with the LEFM Check or Checkplus™ System,” Revision 8

— — — — —, Javandel, I., C. Doughty, and C.F. Tsang, 1984: Groundwater Transport: Handbook of Mathematical Models, Water Resources Monograph 10, American Geophysical Union, 1984

— — — — —, Letter to NRC from Technical Specification Task Force Traveler, Revision 4, TSTF-449, “Steam Generator Tube Integrity,” April 14, 2005. (ADAMS Accession No. ML051090200.)

— — — — —, Letter to NRC from Technical Specification Task Force, Revision 0, Transmittal of TSTF-511 “Eliminate Working Hour Restrictions from TS 5.2.2 to Support Compliance with 10 CFR Part 26 [‘Fitness for Duty Programs’],” September 22, 2008. (ADAMS Accession No. ML082670291.)

— — — — —, NuStart Technical Report, AP-TR-NS01-A, Revision 2, “Containment Leak Rate Test Program,” dated April 4, 2007