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COMBINED LICENSE APPLICATIONS
FOR NUCLEAR POWER PLANTS
(LWR EDITION)

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Regulatory Guide 1.206
Abbreviations

| | |
|------------------|---|
| <u>μCi/s</u> | <u>micro curies per second</u> |
| <u>Aac</u> | <u>alternate alternating current</u> |
| <u>ABWR</u> | <u>advanced boiling-water reactor</u> |
| <u>ac</u> | <u>alternating current</u> |
| <u>ACI</u> | <u>American Concrete Institute</u> |
| <u>ADAMS</u> | <u>Agencywide Documents Access and Management System</u> |
| <u>ADS</u> | <u>automatic depressurization system</u> |
| <u>AE</u> | <u>architech-engineer</u> |
| <u>AFW</u> | <u>auxiliary feedwater</u> |
| <u>AFWS</u> | <u>auxiliary feedwater system</u> |
| <u>AISC</u> | <u>American Institute of Steel Construction</u> |
| <u>AL</u> | <u>administrative letter</u> |
| <u>ALARA</u> | <u>as low as reasonably achievable</u> |
| <u>ALI</u> | <u>annual limit on intake</u> |
| <u>ALWR</u> | <u>advanced light-water reactor</u> |
| <u>ANS</u> | <u>American Nuclear Society</u> |
| <u>ANSI</u> | <u>American National Standards Institute</u> |
| <u>AOO</u> | <u>anticipated operational occurrence</u> |
| <u>ASME Code</u> | <u>American Society of Mechanical Engineers Boiler and Pressure Vessel Code</u> |
| <u>ASTM</u> | <u>American Society for Testing and Materials</u> |
| <u>ATWS</u> | <u>anticipated transients without scram</u> |
| <u>BE</u> | <u>best estimate</u> |
| <u>BL</u> | <u>bulletin</u> |
| <u>BOL</u> | <u>beginning of life</u> |
| <u>BTP</u> | <u>branch technical position</u> |
| <u>Btu</u> | <u>British thermal unit</u> |
| <u>BWR</u> | <u>boiling-water reactor</u> |
| <u>CBP</u> | <u>computer-based procedure</u> |
| <u>CCFP</u> | <u>conditional containment failure probability</u> |

| | |
|------------------|---|
| <u>CDF</u> | <u>core damage frequency</u> |
| <u>CFR</u> | <u>Code of Federal Regulations</u> |
| <u>CHRS</u> | <u>containment heat removal system</u> |
| <u>CIV</u> | <u>containment isolation valve</u> |
| <u>COL</u> | <u>combined license</u> |
| <u>COLA</u> | <u>combined license application</u> |
| <u>COL-ITAAC</u> | <u>combined license inspection, test, analysis, and acceptance criteria</u> |
| <u>COSS</u> | <u>computer operated support system</u> |
| <u>CRDM</u> | <u>control rod drive mechanism</u> |
| <u>CRDS</u> | <u>control rod drive system</u> |
| <u>CRE</u> | <u>control room envelope</u> |
| <u>CRHS</u> | <u>control room habitability system</u> |
| <u>CS</u> | <u>core support</u> |
| <u>CSS</u> | <u>containment spray solution</u> |
| <u>CVC</u> | <u>chemical and volume control</u> |
| <u>CVCS</u> | <u>chemical and volume control system</u> |
| <u>d</u> | <u>day</u> |
| <u>D-RAP</u> | <u>design reliability assurance program</u> |
| <u>DAC</u> | <u>design acceptance criteria</u> |
| <u>DAC</u> | <u>derived air concentration</u> |
| <u>DBA</u> | <u>design-basis accident</u> |
| <u>DBE</u> | <u>design-basis event</u> |
| <u>dc</u> | <u>direct current</u> |
| <u>DC</u> | <u>design certification</u> |
| <u>DC-ITAAC</u> | <u>design certification inspection, test, analysis, and acceptance criteria</u> |
| <u>DCD</u> | <u>design certification document</u> |
| <u>DCR</u> | <u>design certification rule</u> |
| <u>DCRA</u> | <u>design-centered review approach</u> |
| <u>DCS</u> | <u>data communication system</u> |
| <u>DHS</u> | <u>U.S. Department of Homeland Security</u> |
| <u>DNBW</u> | <u>departure from nucleate boiling ratio</u> |
| <u>DOT</u> | <u>U.S. Department of Transportation</u> |
| <u>EA</u> | <u>environmental assessment</u> |

| | |
|----------------------|---|
| <u>EAB</u> | <u>exclusion area boundary</u> |
| <u>EAL</u> | <u>emergency action level</u> |
| <u>EBS</u> | <u>emergency boration system</u> |
| <u>EC</u> | <u>erosion/corrosion</u> |
| <u>ECCS</u> | <u>emergency core cooling system</u> |
| <u>EDG</u> | <u>emergency diesel generator</u> |
| <u>EIS</u> | <u>environmental impact statement</u> |
| <u>EOC</u> | <u>emergency operations center</u> |
| <u>EOF</u> | <u>emergency operations facility</u> |
| <u>EOL</u> | <u>end of life</u> |
| <u>EOP</u> | <u>emergency operating procedure</u> |
| <u>EP</u> | <u>emergency preparedness</u> |
| <u>EP-ITAAC</u> | <u>emergency planning inspection, test, analysis, and acceptance criteria</u> |
| <u>EPA</u> | <u>U.S. Environmental Protection Agency</u> |
| <u>EPIC</u> | <u>emergency planning implementing procedure</u> |
| <u>EPRI</u> | <u>Electric Power Research Institute</u> |
| <u>EPZ</u> | <u>emergency planning zone</u> |
| <u>ER</u> | <u>environmental report</u> |
| <u>ERF</u> | <u>emergency response facility</u> |
| <u>ESBWR</u> | <u>Economic Simplified Boiling-Water Reactor</u> |
| <u>ESF</u> | <u>engineered safety feature</u> |
| <u>ESFAS</u> | <u>engineered safety features actuation system</u> |
| <u>ESP</u> | <u>early site permit</u> |
| <u>ETE</u> | <u>evacuation time estimate</u> |
| <u>F-V</u> | <u>Fussell-Vesely</u> |
| <u>f³</u> | <u>cubic foot</u> |
| <u>FAC</u> | <u>flow-accelerated corrosion or flow-assisted corrosion</u> |
| <u>FDA</u> | <u>Food and Drug Administration</u> |
| <u>FEMA</u> | <u>Federal Emergency Management Agency</u> |
| <u>FHA</u> | <u>fire hazards analysis</u> |
| <u>FHS</u> | <u>fuel handling system</u> |
| <u>FIV</u> | <u>flow-induced vibration</u> |
| <u>FMEA</u> | <u>failure mode and effects analysis</u> |

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|-----------------|---|
| <u>FPP</u> | <u>fire protection program</u> |
| <u>FR</u> | <u><i>Federal Register</i></u> |
| <u>FR</u> | <u>functional requirement</u> |
| <u>FSAR</u> | <u>final safety analysis report</u> |
| <u>FSER</u> | <u>final safety evaluation report</u> |
| <u>ft</u> | <u>foot/feet</u> |
| <u>g/d</u> | <u>grams per day</u> |
| <u>GDC</u> | <u>general design criterion/criteria</u> |
| <u>GE</u> | <u>General Electric Co.</u> |
| <u>GL</u> | <u>generic letter</u> |
| <u>GMRS</u> | <u>ground motion response spectrum</u> |
| <u>GSI</u> | <u>generic safety issue</u> |
| <u>GTG</u> | <u>generic technical guidance</u> |
| <u>GWMS</u> | <u>gaseous waste management systems</u> |
| <u>HA</u> | <u>human action</u> |
| <u>HED</u> | <u>human engineering discrepancy</u> |
| <u>HEPA</u> | <u>high-efficiency particulate air</u> |
| <u>HFE</u> | <u>human factors engineering</u> |
| <u>hr</u> | <u>hour</u> |
| <u>HRA</u> | <u>human reliability analysis</u> |
| <u>HSI</u> | <u>human-system interface</u> |
| <u>HSS</u> | <u>high-safety significant</u> |
| <u>HVAC</u> | <u>heating, ventilation, and air conditioning</u> |
| <u>Hz</u> | <u>hertz</u> |
| <u>I&C</u> | <u>instrumentation and control</u> |
| <u>IEEE</u> | <u>Institute of Electrical and Electronics Engineers</u> |
| <u>IEEE Std</u> | <u>Institute of Electrical and Electronics Engineers standard</u> |
| <u>IGSCC</u> | <u>intergranular stress corrosion cracking</u> |
| <u>IN</u> | <u>information notice</u> |
| <u>in.</u> | <u>inch</u> |
| <u>INPO</u> | <u>Institute of Nuclear Power Operations</u> |
| <u>IOE</u> | <u>industry operating experience</u> |
| <u>ISI</u> | <u>inservice inspection</u> |

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|-------------------------|--|
| <u>IST</u> | <u>inservice testing</u> |
| <u>ITAAC</u> | <u>inspections, tests, analyses, and acceptance criteria</u> |
| <u>ITP</u> | <u>initial test program</u> |
| <u>kg/yr</u> | <u>kilogram(s) per year</u> |
| <u>KI</u> | <u>potassium iodide</u> |
| <u>KIC</u> | <u>fracture toughness data</u> |
| <u>km</u> | <u>kilometer</u> |
| <u>KSA</u> | <u>knowledge, skills, and ability</u> |
| <u>kVA</u> | <u>kilovoltampere</u> |
| <u>lb</u> | <u>pound</u> |
| <u>LBB</u> | <u>leak before break</u> |
| <u>LCO</u> | <u>limiting condition for operation</u> |
| <u>LCS</u> | <u>local control station</u> |
| <u>LHGR</u> | <u>linear heat generation rate</u> |
| <u>LOCA</u> | <u>loss-of-coolant accident</u> |
| <u>LOOP</u> | <u>loss of offsite power</u> |
| <u>LPZ</u> | <u>low-population zone</u> |
| <u>LWMS</u> | <u>liquid waste management systems</u> |
| <u>LWR</u> | <u>light-water reactor</u> |
| <u>m³</u> | <u>cubic meter(s)</u> |
| <u>m³/yr</u> | <u>cubic meter(s) per year</u> |
| <u>m³/d</u> | <u>cubic meter(s) per day</u> |
| <u>Mbq/s</u> | <u>Mega-bequerels per second</u> |
| <u>MFCS</u> | <u>main feedwater control system</u> |
| <u>MFW</u> | <u>main feedwater</u> |
| <u>min</u> | <u>minute</u> |
| <u>MMI</u> | <u>Modified Mercalli Intensity</u> |
| <u>MOV</u> | <u>motor-operated valve</u> |
| <u>MPa</u> | <u>mega pascal</u> |
| <u>MPFF</u> | <u>maintenance-preventable functional failures</u> |
| <u>MR</u> | <u>maintenance rule</u> |
| <u>MRFF</u> | <u>maintenance rule functional failures</u> |
| <u>MSIV</u> | <u>main steam isolation valve</u> |

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| <u>MSIVLCS</u> | <u>main steam isolation valve leakage control system</u> |
| <u>MSSS</u> | <u>main steam supply system</u> |
| <u>MWt</u> | <u>megawatt thermal</u> |
| <u>NDE</u> | <u>nondestructive examination</u> |
| <u>NDT</u> | <u>nil ductility temperature</u> |
| <u>NEI</u> | <u>Nuclear Energy Institute</u> |
| <u>NOAA</u> | <u>National Oceanic and Atmospheric Administration</u> |
| <u>NPSH</u> | <u>net positive suction head</u> |
| <u>NRC</u> | <u>U.S. Nuclear Regulatory Commission</u> |
| <u>NRO</u> | <u>Office of New Reactors</u> |
| <u>NRR</u> | <u>Office of Nuclear Reactor Regulation</u> |
| <u>NSSS</u> | <u>nuclear steam supply system</u> |
| <u>NUMARC</u> | <u>Nuclear Management and Resources Council</u> |
| <u>OBE</u> | <u>operating-basis earthquake</u> |
| <u>OER</u> | <u>operating experience review</u> |
| <u>OM</u> | <u>operation and maintenance</u> |
| <u>OMB</u> | <u>Office of Management and Budget</u> |
| <u>ORAP</u> | <u>Operational Reliability Assurance Program</u> |
| <u>OSC</u> | <u>operational support center</u> |
| <u>P-STG</u> | <u>plant-specific technical guidelines</u> |
| <u>P-SWG</u> | <u>plant-specific writer's guide</u> |
| <u>P&ID</u> | <u>pipng and instrumentation diagram</u> |
| <u>PDR</u> | <u>public document room</u> |
| <u>PGP</u> | <u>procedures generation package</u> |
| <u>pH</u> | <u>hydrogen concentration</u> |
| <u>PMF</u> | <u>probable maximum flood</u> |
| <u>PMP</u> | <u>probable maximum precipitation</u> |
| <u>POV</u> | <u>power-operated valve</u> |
| <u>PRA</u> | <u>probabilistic risk assessment</u> |
| <u>PS-ITAAC</u> | <u>physical security ITAAC</u> |
| <u>PSD</u> | <u>power spectral density</u> |
| <u>PSHA</u> | <u>probabilistic seismic hazard analysis</u> |
| <u>psi</u> | <u>pound(s) per square inch</u> |

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|--------------|---|
| <u>psid</u> | <u>pounds per square inch differential</u> |
| <u>psig</u> | <u>pounds per square inch gauge</u> |
| <u>PTS</u> | <u>pressurized thermal shock</u> |
| <u>PWR</u> | <u>pressurized-water reactor</u> |
| <u>PWSCC</u> | <u>primary water stress corrosion cracking</u> |
| <u>QA</u> | <u>quality assurance</u> |
| <u>QAPD</u> | <u>quality assurance program document/quality assurance program description</u> |
| <u>RAP</u> | <u>reliability assurance program</u> |
| <u>RAT</u> | <u>reserve auxiliary transformer</u> |
| <u>RCIC</u> | <u>reactor core isolation cooling</u> |
| <u>RCP</u> | <u>reactor coolant pump</u> |
| <u>RCPB</u> | <u>reactor coolant pressure boundary</u> |
| <u>RCS</u> | <u>reactor coolant system</u> |
| <u>REM</u> | <u>roentgen equivalent man</u> |
| <u>REMP</u> | <u>radiological environmental monitoring program</u> |
| <u>REP</u> | <u>radiological emergency preparedness</u> |
| <u>RFCS</u> | <u>recirculation flow control system</u> |
| <u>RG</u> | <u>regulatory guide</u> |
| <u>RHR</u> | <u>residual heat removal</u> |
| <u>RIS</u> | <u>regulatory issue summary</u> |
| <u>RPV</u> | <u>reactor pressure vessel</u> |
| <u>RQD</u> | <u>rock quality designation</u> |
| <u>RSS</u> | <u>remote shutdown system</u> |
| <u>RTNSS</u> | <u>regulatory treatment of nonsafety systems</u> |
| <u>RWCS</u> | <u>reactor water cleanup system</u> |
| <u>RWST</u> | <u>refueling water storage tank</u> |
| <u>SAD</u> | <u>software architecture description</u> |
| <u>SAR</u> | <u>safety analysis report</u> |
| <u>SAS</u> | <u>secondary alarm system</u> |
| <u>SAT</u> | <u>systems approach to training</u> |
| <u>SBO</u> | <u>station blackout</u> |
| <u>SDP</u> | <u>significance determination process</u> |
| <u>sec</u> | <u>second</u> |

| | |
|-----------------|--|
| <u>SECY</u> | <u>Office of the Secretary of the Commission</u> |
| <u>SER</u> | <u>safety evaluation report</u> |
| <u>SGBS</u> | <u>steam generator blowdown system</u> |
| <u>SGI</u> | <u>safeguards information</u> |
| <u>SLCS</u> | <u>standby liquid control system</u> |
| <u>SPDS</u> | <u>safety parameter display system</u> |
| <u>SRM</u> | <u>staff requirements memorandum</u> |
| <u>SRP</u> | <u>standard review plan</u> |
| <u>SRV</u> | <u>safety/relief valve</u> |
| <u>SS-ITAAC</u> | <u>site-specific inspection, test, analysis, and acceptance criteria</u> |
| <u>SSAR</u> | <u>site safety analysis report</u> |
| <u>SSAS</u> | <u>station service air system</u> |
| <u>SSC</u> | <u>structure, system, and component</u> |
| <u>SSE</u> | <u>safe-shutdown earthquake</u> |
| <u>SSI</u> | <u>soil-structure interaction</u> |
| <u>STS</u> | <u>standard technical specification</u> |
| <u>SWMS</u> | <u>solid waste management system</u> |
| <u>T-H</u> | <u>thermal-hydraulic</u> |
| <u>TBD</u> | <u>to be determined</u> |
| <u>TEDE</u> | <u>total effective dose equivalent</u> |
| <u>TGS</u> | <u>turbine generator system</u> |
| <u>TGSCC</u> | <u>transgranular stress-corrosion cracking</u> |
| <u>TMI</u> | <u>Three Mile Island</u> |
| <u>TN</u> | <u>transmission network</u> |
| <u>TS</u> | <u>technical specification</u> |
| <u>TSC</u> | <u>technical support center</u> |
| <u>TSO</u> | <u>transmission system operator</u> |
| <u>TSP</u> | <u>transmission system provider</u> |
| <u>TSTF</u> | <u>Technical Specifications Task Force</u> |
| <u>UHRS</u> | <u>uniform hazard response spectra</u> |
| <u>UHS</u> | <u>ultimate heat sink</u> |
| <u>URD</u> | <u>Utility Requirements Document</u> |
| <u>USGS</u> | <u>U.S. Geological Survey</u> |

| | |
|----------------|------------------------------------|
| <u>USI</u> | <u>unresolved safety issue</u> |
| <u>v</u> | <u>volt(s)</u> |
| <u>V/H</u> | <u>vertical to horizontal</u> |
| <u>V&V</u> | <u>verification and validation</u> |
| <u>Vac</u> | <u>volt alternating current</u> |
| <u>yr</u> | <u>year</u> |