

Appendix B Abbreviations and Acronyms Used in the ABWR Certified Design Material

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|-----------|---|-------|--|
| ABS | Absolute | CRDHS | Control Rod Drive Hydraulic System |
| AC | Alternating Current | | |
| AC | Atmospheric Control | CRGT | Control Rod Guide Tube |
| ADS | Automatic Depressurization System | CRHA | Control Room Habitability Area |
| AFPC | Augmented Fuel Pool Cooling | CS | Containment Spray |
| AMB | Ambient | CST | Condensate Storage Tank |
| ATLM | Automated Thermal Limit Monitor | CTG | Combustion Turbine Generator |
| APR | Automatic Power Regulator | CUW | Reactor Water Cleanup |
| APRM | Average Power Range Monitor | CV | Check Valve |
| ARD | Anti-Rotation Device | CV | Control Valve |
| ARI | Alternate Rod Insertion | CVCF | Constant Voltage Constant Frequency |
| ARM | Area Radiation Monitoring | CW | Circulating Water |
| AS | Turbine Auxiliary Steam System | DC | Direct Current |
| ASD | Adjustable Speed Drive | DEPSS | Drywell Equipment and Piping Support Structure |
| ASME Code | American Society of Mechanical Engineers, Boiler and Pressure Vessel Code | DG | Diesel Generator, Emergency |
| ATWS | Anticipated Transient Without Scram | DIV | Division |
| | | D/S | Dryer and Separator |
| | | DTF | Digital Trip Function |
| | | DWC | Drywell Cooling |
| BLDG | Building | | |
| | | EAB | Exclusion Area Boundary |
| C&I | Control and Instrumentation | EAROM | Electrically-Alterable Read-Only Memory |
| C/B | Control Building | | |
| CBSREA | Control Building Safety-Related Equipment Area | ECCS | Emergency Core Cooling System |
| C/C | Cooling Coil | EDG | Emergency Diesel Generator |
| CAMS | Containment Atmospheric Monitoring System | EEA | Electrical Equipment Area |
| CFCAE | Condensate Feedwater and Condensate Air Extraction | EMC | Electromagnetic Compatibility |
| CFS | Condensate and Feedwater System | EMI | Electromagnetic Interference |
| CID | Control Interface Diagram | ECF | Essential Communication Function |
| CIV | Combined Intermediate Valve | EPD | Electrical Power Distribution |
| CMP | Configuration Management Plan | ESD | Electrostatic Discharge |
| CMU | Control Room Multiplexing Unit | ESF | Engineered Safety Feature |
| COL | Combined Operating License | | |
| CPS | Condensate Purification System | FCU | Fan Coil Unit |
| CRD | Control Rod Drive | FDWC | Feedwater Control |
| | | FIV | Flow-Induced Vibration |
| | | FMCRD | Fine Motion Control Rod Drive |
| | | FP | Fire Protection |

| | | | |
|--------|----------------------------------|------|---------------------------------|
| FPC | Fuel Pool Cooling and Cleanup | | Supply |
| FPS | Fire Protection System | MC | Main Condenser |
| FW | Feedwater | M/C | Metal-Clad |
| | | MCAE | Main Control Area Envelope |
| GL | Grade Level | MCC | Motor Control Center |
| GSC | Gland Seal Condenser | MCES | Main Condenser Evacuation |
| HAZ | Heat-Affected Zone | | System |
| HCU | Hydraulic Control Unit | MCR | Main Control Room |
| HCW | High Conductivity Waste | MCRP | Main Control Room Panels |
| HECW | HVAC Emergency Cooling Water | MG | Motor Generator |
| HEPA | High Efficiency Particulate Air | MOV | Motor-Operated Valve |
| HFE | Human Factors Engineering | MPT | Main Power Transformer |
| HNCW | HVAC Normal Cooling Water | MRBM | Multi-Channel Rod Block |
| HPCF | High Pressure Core Flooder | | Monitor |
| HPIN | High Pressure Nitrogen Gas | MS | Main Steam |
| | Supply | MSIV | Main Steam Isolation Valve |
| HSI | Human-System Interfaces | MSL | Main Steamline |
| HVAC | Heating, Ventilating, and Air | MTSV | Main Turbine Stop Valve |
| | Conditioning | MT | Main Turbine |
| HWH | Hot Water Heating | MUWC | Make Up Water (Condensate) |
| HX | Heat Exchanger | MUWP | Make Up Water (Purified) |
| | | MWP | Makeup Water Preparation |
| IA | Instrument Air | | |
| ICGT | In-Core Guide Tube | NBS | Nuclear Boiler System |
| I&C | Instrumentation and Control | NECF | Non-Essential Communication |
| INST | Instrumentation | | Function |
| ISLOCA | Intersystem Loss-of-Coolant | NMS | Neutron Monitoring System |
| | Accident | NPSH | Net Positive Suction Head |
| ISI | In-Service Inspection | NRHX | Non-Regenerative HX |
| ITAAC | Inspection, Tests, Analyses, and | NSD | Non-Radioactive Storm Drain |
| | Acceptance Criteria | | |
| ITP | Initial Test Program | OGS | Off-Gas System |
| IV | Intercept Valve | OLU | Output Logic Unit |
| ISV | Intercept Stop Valve | OPRM | Oscillating Power Range Monitor |
| LCP | Local Control Panels | OSC | Operational Support Center |
| LCW | Low Conductivity Waste | OST | Oil Storage and Transfer |
| LD | Load Driver | | |
| LDS | Leak Detection and Isolation | P/C | Power Center |
| | System | PASS | Post-Accident Sampling System |
| LOCA | Loss-of-Coolant Accident | PCHS | Power Cycle Heat Sink |
| LOPP | Loss of Preferred Power | PCS | Primary Containment System |
| LPFL | Low Pressure Core Flooder | PIP | Plant Investment Protection |
| LPMS | Loose Parts Monitoring System | PMG | Plant Main Generator |
| LPRM | Local Power Range Monitor | PRM | Process Radiation Monitoring |
| LPZ | Low Population Zone | PROM | Programmable Read-Only |
| LSPS | Lighting and Servicing Power | | Memory |

| | | | |
|-------|--|------|---|
| PS | Pipe Space | SGTS | Standby Gas Treatment System |
| PSW | Potable and Sanitary Water | SJAE | Steam Jet Air Ejectors |
| | | SIT | Structural Integrity Test |
| R/B | Reactor Building | SLC | Standby Liquid Control |
| RAT | Reserve Auxiliary Transformer | SLF | Safety System Logic Function |
| RCCV | Reinforced Concrete Containment Vessel | SMP | Software Management Plan |
| | | S/P | Suppression Pool |
| RCIC | Reactor Core Isolation Cooling | SPC | Suppression Pool Cooling |
| RCIS | Rod Control and Information System | SPCU | Suppression Pool Cleanup |
| | | SPTM | Suppression Pool Temperature Monitoring |
| RCPB | Reactor Coolant Pressure Boundary | SRNM | Startup Range Neutron Monitor |
| RCW | Reactor Building Cooling Water | SRV | Safety/Relief Valve |
| RFC | Recirculation Flow Control | SSE | Safe Shutdown Earthquake |
| RFI | Radio Frequency Interference | SSLC | Safety System Logic and Control |
| RHR | Residual Heat Removal | SSPV | Scram Solenoid Pilot Valve |
| RHX | Regenerative HX | STP | Simulated Thermal Power |
| RIP | Reactor Internal Pump | SWC | Surge Withstand Capability |
| RMU | Remote Multiplexing Unit | | |
| RPS | Reactor Protection System | T/B | Turbine Building |
| RPV | Reactor Pressure Vessel | TB | Turbine Bypass |
| RRS | Reactor Recirculation System | TBS | Turbine Bypass System |
| RSS | Remote Shutdown System | TCW | Turbine Building Cooling Water |
| RSW | Reactor Service Water | TD | Tornado Damper |
| RW/B | Radwaste Building | TDH | Total Developed Head |
| RX | Reactor | TGS | Turbine Gland Seal |
| | | TLF | Trip Logic Function |
| S/B | Service Building | TMSL | Typical Mean Sea Level Elevation |
| S/P | Suppression Pool | TN | Transmission Network |
| SA | Service Air | TSC | Technical Support Center |
| SAM | Sampling System | TSW | Turbine Service Water |
| SB&PC | Steam Bypass and Pressure Control | | |
| SC | Shutdown Cooling | UAT | Unit Auxiliary Transformers |
| SCRRI | Selected Control Rod Run-In | UHS | Ultimate Heat Sink |
| SD | Storm Drain | USE | Upper-Shelf Energy |
| SD | Smoke Detector | | |
| SDC | Shutdown Cooling | V&V | Verification and Validation |

Note: These abbreviations and acronyms apply to the ABWR Certified Design Material. Other documents may use different abbreviations or acronyms.