

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

### STD DEP T1 3.4-1

ABS	Absolute	CFS	Condensate and Feedwater System
AC	Alternating Current	CID	Control Interface Diagram
AC	Atmospheric Control	CIV	Combined Intermediate Valve
ADS	Automatic Depressurization System	CMP	Configuration Management Plan
AFPC	Augmented Fuel Pool Cooling	CMU	Control Room Multiplexing Unit
AMB	Ambient	COL	Combined Operating License
ATLM	Automated Thermal Limit Monitor	CPS	Condensate Purification System
APR	Automatic Power Regulator	CRD	Control Rod Drive
APRM	Average Power Range Monitor	CRDHS	Control Rod Drive Hydraulic System
ARD	Anti-Rotation Device	CRGT	Control Rod Guide Tube
ARI	Alternate Rod Insertion	CRHA	Control Room Habitability Area
ARM	Area Radiation Monitoring	CS	Containment Spray
AS	Turbine Auxiliary Steam System	CST	Condensate Storage Tank
ASD	Adjustable Speed Drive	CTG	Combustion Turbine Generator
ASME	American Society of Mechanical Engineers, Boiler and Pressure Vessel Code	CUW	Reactor Water Cleanup
Code	Engineers, Boiler and Pressure Vessel Code	CV	Check Valve
ATWS	Anticipated Transient Without Scram	CV	Control Valve
BLDG	Building	CVCF	Constant Voltage Constant Frequency
C&I	Control and Instrumentation	CW	Circulating Water
C/B	Control Building	DC	Direct Current
CBSREA	Control Building Safety-Related Equipment Area	DEPSS	Drywell Equipment and Piping Support Structure
C/C	Cooling Coil	DG	Diesel Generator, Emergency
CAMS	Containment Atmospheric Monitoring System	DIV	Division
CFCAE	Condensate Feedwater and Condensate Air Extraction	D/S	Dryer and Separator
		<del>DTMDTE</del>	<del>Digital Trip Modules</del> Function
		DWC	Drywell Cooling
		E/B	Electrical Building

<i>EAB</i>	<i>Exclusion Area Boundary</i>	<i>HSI</i>	<i>Human-System Interfaces</i>
<i>EAROM</i>	<i>Electrically-Alterable Read-Only Memory</i>	<i>HVAC</i>	<i>Heating, Ventilating, and Air Conditioning</i>
<i>ECCS</i>	<i>Emergency Core Cooling System</i>	<i>HWH</i>	<i>Hot Water Heating</i>
<i>EDG</i>	<i>Emergency Diesel Generator</i>	<i>HX</i>	<i>Heat Exchanger</i>
<i>EMC</i>	<i>Electromagnetic Compatibility</i>	<i>IA</i>	<i>Instrument Air</i>
<i>EMI</i>	<i>Electromagnetic Interference</i>	<i>ICGT</i>	<i>In-Core Guide Tube</i>
<i>EMSECF</i>	<i>Essential Multiplexing-System Communication Function</i>	<i>I&amp;C</i>	<i>Instrumentation and Control</i>
<i>EPD</i>	<i>Electrical Power Distribution</i>	<i>INST</i>	<i>Instrumentation</i>
<i>ESD</i>	<i>Electrostatic Discharge</i>	<i>ISLOCA</i>	<i>Intersystem Loss-of-Coolant Accident</i>
<i>ESF</i>	<i>Engineered Safety Feature</i>	<i>ISI</i>	<i>In-Service Inspection</i>
<i>FCS</i>	<i>Flammability Control System</i>	<i>ITAAC</i>	<i>Inspection, Tests, Analyses, and Acceptance Criteria</i>
<i>FCU</i>	<i>Fan Coil Unit</i>	<i>ITP</i>	<i>Initial Test Program</i>
<i>FDWC</i>	<i>Feedwater Control</i>	<i>IV</i>	<i>Intercept Valve</i>
<i>FIV</i>	<i>Flow-Induced Vibration</i>	<i>ISV</i>	<i>Intercept Stop Valve</i>
<i>FMCRD</i>	<i>Fine Motion Control Rod Drive</i>	<i>LCP</i>	<i>Local Control Panels</i>
<i>FP</i>	<i>Fire Protection</i>	<i>LCW</i>	<i>Low Conductivity Waste</i>
<i>FPC</i>	<i>Fuel Pool Cooling and Cleanup</i>	<i>LD</i>	<i>Load Driver</i>
<i>FPS</i>	<i>Fire Protection System</i>	<i>LDS</i>	<i>Leak Detection and Isolation System</i>
<i>FW</i>	<i>Feedwater</i>	<i>LOCA</i>	<i>Loss-of-Coolant Accident</i>
<i>GL</i>	<i>Grade Level</i>	<i>LOPP</i>	<i>Loss of Preferred Power</i>
<i>GSC</i>	<i>Gland Seal Condenser</i>	<i>LPFL</i>	<i>Low Pressure Core Flooder</i>
<i>HAZ</i>	<i>Heat-Affected Zone</i>	<i>LPMS</i>	<i>Loose Parts Monitoring System</i>
<i>HCU</i>	<i>Hydraulic Control Unit</i>	<i>LPRM</i>	<i>Local Power Range Monitor</i>
<i>HCW</i>	<i>High Conductivity Waste</i>	<i>LPZ</i>	<i>Low Population Zone</i>
<i>HECW</i>	<i>HVAC Emergency Cooling Water</i>	<i>LSPS</i>	<i>Lighting and Servicing Power Supply</i>
<i>HEPA</i>	<i>High Efficiency Particulate Air</i>	<i>MC</i>	<i>Main Condenser</i>
<i>HFE</i>	<i>Human Factors Engineering</i>	<i>M/C</i>	<i>Metal-Clad</i>
<i>HNCW</i>	<i>HVAC Normal Cooling Water</i>	<i>MCAE</i>	<i>Main Control Area Envelope</i>
<i>HPCF</i>	<i>High Pressure Core Flooder</i>	<i>MCC</i>	<i>Motor Control Center</i>
<i>HPIN</i>	<i>High Pressure Nitrogen Gas Supply</i>	<i>MCES</i>	<i>Main Condenser Evacuation System</i>

MCR	Main Control Room	PRM	Process Radiation Monitoring
MCRP	Main Control Room Panels	PROM	Programmable Read-Only Memory
MG	Motor Generator	PS	Pipe Space
MOV	Motor-Operated Valve	PSW	Potable and Sanitary Water
MPT	Main Power Transformer	R/B	Reactor Building
MRBM	Multi-Channel Rod Block Monitor	RAT	Reserve Auxiliary Transformer
MS	Main Steam	RCCV	Reinforced Concrete Containment Vessel
MSIV	Main Steam Isolation Valve	RCIC	Reactor Core Isolation Cooling
MSL	Main Steamline	RCIS	Rod Control and Information System
MTSV	Main Turbine Stop Valve	RCPB	Reactor Coolant Pressure Boundary
MT	Main Turbine	RCW	Reactor Building Cooling Water
MUWC	Make Up Water (Condensate)	RFC	Recirculation Flow Control
MUWP	Make Up Water (Purified)	RFI	Radio Frequency Interference
MWP	Makeup Water Preparation	RHR	Residual Heat Removal
NBS	Nuclear Boiler System	RHX	Regenerative HX
<del>NEMS</del> NECF	<del>Non-Essential Multiplexing-System</del> <u>Non-Essential Multiplexing-System Communication Function</u>	RIP	Reactor Internal Pump
NMS	Neutron Monitoring System	RMU	Remote Multiplexing Unit
NPSH	Net Positive Suction Head	RPS	Reactor Protection System
NRHX	Non-Regenerative HX	RPV	Reactor Pressure Vessel
NSD	Non-Radioactive Storm Drain	RRS	Reactor Recirculation System
OGS	Off-Gas System	RSS	Remote Shutdown System
OLU	Output Logic Unit	RSW	Reactor Service Water
OPRM	Oscillating Power Range Monitor	RW/B	Radwaste Building
OSC	Operational Support Center	RX	Reactor
OST	Oil Storage and Transfer	S/B	Service Building
P/C	Power Center	S/P	Suppression Pool
PASS	Post-Accident Sampling System	SA	Service Air
PCHS	Power Cycle Heat Sink	SAM	Sampling System
PCS	Primary Containment System	SB&PC	Steam Bypass and Pressure Control
PIP	Plant Investment Protection	SC	Shutdown Cooling
PMG	Plant Main Generator	SCRR1	Selected Control Rod Run-In

SD	Storm Drain	TSW	Turbine Service Water
SD	Smoke Detector	UAT	Unit Auxiliary Transformers
SDC	Shutdown Cooling	UHS	Ultimate Heat Sink
SGTS	Standby Gas Treatment System	USE	Upper-Shelf Energy
SJAE	Steam Jet Air Ejectors	V&V	Verification and Validation
SIT	Structural Integrity Test		
SLC	Standby Liquid Control		
<del>SLUSLF</del>	Safety System Logic <del>Unit Function</del>		
SMP	Software Management Plan		
S/P	Suppression Pool		
SPC	Suppression Pool Cooling		
SPCU	Suppression Pool Cleanup		
SPTM	Suppression Pool Temperature Monitoring		
SRNM	Startup Range Neutron Monitor		
SRV	Safety/Relief Valve		
SSE	Safe Shutdown Earthquake		
SSLC	Safety System Logic and Control		
SSPV	Scram Solenoid Pilot Valve		
STP	Simulated Thermal Power		
SWC	Surge Withstand Capability		
T/B	Turbine Building		
TB	Turbine Bypass		
TBS	Turbine Bypass System		
TCW	Turbine Building Cooling Water		
TD	Tornado Damper		
TDH	Total Developed Head		
TGS	Turbine Gland Seal		
<del>TUTLE</del>	Trip Logic <del>Unit Function</del>		
TMSL	Typical Mean Sea Level Elevation		
TN	Transmission Network		
TSC	Technical Support Center		