

ABBREVIATIONS

ac	alternating current
ABWR	Advanced Boiling Water Reactor
ACI	American Concrete Institute
ACIWA	Alternating Current (ac) Independent Water Addition System
ACS	Atmospheric Control System
ACRS	Advisory Committee on Reactor Safeguards
ADAMS	Agencywide Documents Access and Management System
AEA	Atomic Energy Act
AIA	Aircraft Impact Assessment
AISI	American Iron and Steel Institute
ALARA	as low as reasonably achievable
ANS	American Nuclear Society
ANSI	American National Standards Institute
AOO	anticipated operational occurrence
AOV	air-operated valve
AR	annual reporting letters
ASME	American Society of Mechanical Engineers
ASCE	American Society of Civil Engineers
ASCE/SEI	American Society of Civil Engineers/Structural Engineering Institute
ASTM	American Society of Testing and Materials
ATWS	anticipated transient without scram
BDBE	beyond-design-basis event
BE	best estimate
BL	bulletin
BPV	Boiler and Pressure Vessel
BPVC	Boiler and Pressure Vessel Code
BTP	branch technical position
Btu	British thermal unit
BWR	boiling-water reactor
BWROG	BWR owners group
C	Celsius
cc	Cubic-centimeters
C/B	Control Building
CDF	core damage frequency
CDI	conceptual design information
CENA	central and eastern North America
CFR	Code of Federal Regulations
cm	centimeter(s)
COL	combined license
COPS	containment overpressure protection system
CP	construction permit
CR	control room
CRD	control rod drive
CRHA	control room habitability area
CST	condensate storage tank

CW	circulating water
DAC	design acceptance criteria
DAW	dry active waste
DB	dry bulb
DBA	design-basis accident
DBE	design-basis event
DBT	design basis tornado
DC	design certification
dc	direct current
DCA	Design certification application
DCD	design control document
DCR	design certification rule
DG	diesel generator
DLF	dynamic load factors
DNB	departure from nucleate boiling
DW-WW	drywell-wetwell
EAB	exclusion area boundary
EAC	emergency alternating current
EAL	emergency action level
ECCS	emergency core cooling system
EDG	emergency diesel generator
ELAP	extended loss of alternating current power
EMDG	extensive damage mitigation guideline
EMI	electromagnetic interference
EMS	essential multiplexing system
ENS	emergency notification system
EOC	emergency operations center
EOF	emergency operations facility
EOL	end of life
EOP	emergency operating procedure
EP	emergency planning
EP	Emergency Preparedness
EPA	Environmental Protection Agency
EPG	emergency procedure guideline
EPIP	Emergency Plan Implementing Procedure
EPRI	Electric Power Research Institute
EPZ	emergency planning zone
EQ	environmental qualification
ER	environmental report
ERDS	emergency response data system
ERF	emergency response facility
ERO	emergency response organization
ESBWR	economic simplified boiling-water reactor
ESF	engineered safety feature
ESP	early site permit
ETS	emergency telecommunications system

F	Fahrenheit
FB	fuel building
FEIS	Final Environmental Impact Statement
FEMA	Federal Emergency Management Agency
FERC	Federal Energy Regulatory Commission
FHA	fire hazards analysis
FLEX	diverse and flexible coping strategy
FP	fire protection
FPC	fuel pool cooling and cleanup
FPS	fire protection system
FR	Federal Register
FS	factor of safety
FSAR	final safety analysis report
FSER	final safety evaluation report
Ft	feet/foot
FWLB	feedwater line break
GDC	general design criterion/criteria
GE	General Electric
GEH	General Electric – Hitachi (Nuclear Energy)
GENE	General Electric Nuclear Energy (original ABWR applicant)
GI	generic issue
GL	generic letter
GMRS	ground motion response spectrum
gpm	gallons per minute
GSI	generic safety issue
GWMS	gaseous waste management system
hr	hour
HCLPF	high confidence of low probability of failure
HCU	hydraulic control unit
HEPA	high-efficiency particulate air
HF	high frequency
HFE	human factors engineering
HVAC	heating, ventilation, and air conditioning
HWL	high water level
Hz	Hertz
HX	heat exchanger
I&C	instrumentation and control
IBC	International Building Code
IDLH	immediate danger to life and health
IE	inspection and enforcement
IEEE	Institute of Electrical and Electronic Engineers
IN	information notice
in.	inch(es)
IOZ	inorganic zinc
ISFSI	independent spent fuel storage installation
ISG	interim staff guidance

ISI	inservice inspection
ISRS	in-structure response spectra
IST	inservice testing
ITAAC	Inspections, tests, analyses, and acceptance criteria
ITP	initial test program
JLD	Japan lesson-learned project directorate
km	kilometer(s)
kPa	kilopascals
kV	kilovolt
LAN	local area network
LB	lower-bound
lb/ft ²	pounds per square-foot
LCO	limiting condition for operation
LF	low frequency
LLRW	low-level radioactive waste
LOCA	loss-of-coolant accident
LOLA	loss of large area
LOOP	loss-of-offsite power
LOPP	loss of preferred power
LPFL	low pressure core floodder
LPZ	low population zone
LR	lower-range
LTR	licensing topical report
LWMS	liquid waste management system
LWR	light water reactor
m	meter(s)
M&TE	measuring and test equipment
MBDBE	mitigation of beyond design basis events
MBDBE-rule	10 CFR 50.155 Mitigation of beyond-design-basis events.
MBtu	one million BTU
MC&A	material control and accounting
MCR	main control room
MCWB	mean coincident wet-bulb
MEI	maximally exposed individual
mi	mile(s)
MJ	megajoules
MOV	motor-operated valve
MPa	megapascals
MPaG	megapascals gauge
MPT	main power transformer
mph	miles per hour
MR	maintenance rule
Mrem	millirem
MSLB	main steam-line break
MSO	multiple spurious operations

MW	megawatt
N ₂	nitrogen gas
NACE	National Association of Corrosion Engineers
NCDC	National Climatic Data Center
NCS	nuclear criticality safety
NDE	nondestructive examination
NDT	nil ductility temperature
NEI	Nuclear Energy Institute
NFPA	National Fire Protection Association
NFSV	new fuel storage vault
NOAA	National Oceanic and Atmospheric Administration
NOC	Nuclear Operations Center
NPSH	net positive suction head
NQA	nuclear quality assurance
NRC	Nuclear Regulatory Commission
NRCS	Natural Resources Conservation Service
NRO	Office of New Reactors
NRR	Office of Nuclear Reactor Regulation
NS	non-seismic
NTTF	Fukushima Near-Term Task Force
NUREG	Publications by the NRC staff
NWS	National Weather Service
OBE	operating-basis earthquake
ODCM	offsite dose calculation manual
OE	Owner's Engineer
OEM	original equipment manufacturer
OGS	offgas system
OM	Operation and Maintenance Code
OPC	open phase condition
ORE	occupational radiation exposure
ORO	offsite response organization
OSC	operational support center
P&ID	pipng and instrumentation diagram
P/T	pressure/temperature
PA	protected area
PAG	Protective Action Guide
PAM	post-accident monitoring
PAR	protective action recommendation
PAS	post-accident sampling
PASS	post-accident sampling system
PAT	power ascension test
PMF	probable maximum flood
PMH	probable maximum hurricane
POV	power-operated valve
ppb	parts per billion
PRA	probabilistic risk assessment

PRMS	process radiation monitoring system
psf	pounds per square-foot
PSI	preservice inspection
psi	pounds per square inch
psia	pounds per square-inch absolute
psig	pound per square inch gauge
QA	quality assurance
QAP	quality assurance program
QAPD	quality assurance program description
RAI	request for additional information
RAP	reliability assurance program
RAT	reserve auxiliary transformer (alternate power source)
RB	reactor building
RCIC	reactor core isolation cooling system
RCPB	reactor coolant pressure boundary
RCS	reactor coolant system
rem	roentgen equivalent man (a unit of radiation dose)
RG	regulatory guide
RHR	residual heat removal system
RIS	regulatory issue summary
RMU	remote multiplexing units
RMS	radiation monitoring system
RP	radiation protection
RPP	Radiation Protection Program
RPV	reactor pressure vessel
RSS	remote shutdown panel
RTNSS	regulatory treatment of non-safety systems
RV	reactor vessel
RVSP	reactor vessel (materials) surveillance program
RWB	radwaste building
RWCU	reactor water cleanup
RWCS	reactor water cleanup systems
RWMS	radioactive waste management systems
s	second
SAT	systems approach to training
S/B	service building
SBO	station blackout
SCC	stress corrosion cracking
SDC	shutdown cooling
SDG	standby diesel generator
SDM	shutdown margin
SE	safety evaluation
SEC	Securities and Exchange Commission
SER	safety evaluation report
SFP	spent fuel pool
SFPC	spent fuel pool cooling

SIG	safeguards information
SLC	standby liquid control
SLCS	standby liquid control system
SPCS	suppression pool clean-up system
SR	surveillance requirement
SRI	select rod insert
SRM	staff requirements memorandum
SRO	senior reactor operator
SRP	Standard Review Plan
SRVs	reactor safety relief valves
SSC	structure, system, and component
SSCs	structures, systems and components
SSE	safe-shutdown earthquake
Std	Standard
STP	South Texas Project
STS	standard technical specifications
SUNSI	Sensitive Unclassified Non-Safeguards Information
Sv	Sievert
SWMS	solid waste management system
TAF	top of active fuel
T/B	turbine building
TCCWS	turbine component cooling water system
TEDE	total effective dose equivalent
TCD	thermal conductivity degradation
TLD	thermoluminescent dosimeter
TMI	Three Mile Island
TR	technical report
TS	technical specifications
TSC	technical support center
UAT	unit auxiliary transformer
UHS	ultimate heat sink
UPC	unbalanced phase condition
UPS	uninterruptible power supply
URG	utility resolution guidance
US	United States
USI	unresolved safety issues
USACE	U.S. Army Corps of Engineers
USCG	United States Coast Guard
USGS	United States Geological Survey
USI	unresolved safety issue
USNRC	United States Nuclear Regulatory Commission
V&V	verification and validation
V volt	
Vac	volt alternating current
Vdc	volt direct current