Appendix C. ACRONYMS

A/D	analog to digital
A/E	architect engineering
AAC	alternate alternating current
AB	auxiliary building
ABCAEES	auxiliary building controlled area emergency exhaust system
ABD	abnormal blowdown
ABWR	Advanced Boiling Water Reactor
AC	acceptance criteria
ac	alternating current
AC	alternating current
ACI	American Concrete Institute
ACP	auxiliary charging pump
ACP	auxiliary control panel
ACRS	Advisory Committee on Reactor Safeguards
ACU	air cleaning unit
ADAMS	Agencywide Documents Access and Management System
ADV	atmospheric dump valve
AEA	Atomic Energy Act
AFAS	auxiliary feedwater actuation signal
AFAS	auxiliary feedwater actuation system
AFW	auxiliary feedwater
AFWS	auxiliary feedwater system
AFWST	auxiliary feedwater storage tank
AH	ampere hour
AHU	air handling unit
AI	analog input
AIA	aircraft impact assessment

AICC	adiabatic isochoric complete combustion
AISC	American Institute of Steel Construction
ALARA	as low as is reasonably achievable
ALI	annual limits on intake
ALMS	acoustic leak monitoring system
ALWR	advanced light water reactors
AMI	accident monitoring instrumentation
AMP	aging management plan
ANS	American Nuclear Society
ANSI	American National Standards Institute
ANSI/ANS	American National Standards Institute/American Nuclear Society
AOA	area of applicability
AOO	anticipated operational occurrence
AOV	air operated valve
AP1000	Advanced Passive 1000
APC	auxiliary process cabinet
APC-S	auxiliary process cabinet – safety
APR1400	Advanced Power Reactor 1400
APWR	Advanced Pressurized-Water Reactor
AQ	augmented quality assurance
ARM	annunciator response model
ARO	all rods out
ARTIST	Aerosol Trapping in a Steam Generator Test
AS	accident sequence
ASA	Applicable Safety Analyses
ASCE/SEI	American Society of Civil Engineers / Structural Engineering Institute
ASEP	Accident Sequence Evaluation Program
ASHRAE	American Society of Heating, Refrigerating, and Air-Conditioning Engineer's, Inc.
ASI	axial shape index

ASME	American Society of Mechanical Engineers
ASME BPV Code	American Society of Mechanical Engineers Boiler and Pressure Vessel Code
ASME OM Code	American Society of Mechanical Engineers Operation and Maintenance of Nuclear Power Plants Code
AST	alternative source term
ASTM	American Society for Testing and Materials
ATS	Automatic Turbine Shutdown
ATWS	anticipated transient without scram
AWP	automatic withdrawal prohibit
AWS	American Welding Society
B&PV	Boiler and Pressure Vessel
BABT	boric acid batching tank
BAC	boric acid corrosion
BAMP	boric acid makeup pump
BARS	behaviorally anchored rating scale
BAST	boric acid storage tank
BDAS	boron dilution alarm system
BDBE	beyond-design-basis event
BDBEE	beyond-design-basis external events
BDS	blowdown subsystem
BE	best estimate
BFTHHLAS	blowdown flash tank high-high level actuation signal
BISI	bypassed and inoperable status indication
BL	bistable logic
BMI	bottom-mounted instrumentation
BNL	Brookhaven National Laboratory
BOC	beginning of cycle
BOL	beginning of life
BOP	balance of plant

BP	bistable processor
BPPCC	boundary point power correlation coefficients
BPVC	Boiler and Pressure Vessel Code
BRL	Ballistic Research Laboratory
BTA	basic task analysis
BTP	branch technical position
BWR	boiling-water reactor
CAD	computer aided design
CAREM	Code-Accuracy-based Realistic Evaluation Methodology
CAS	central alarm station
CAS	compressed air system
CAV	cumulative absolute velocity
CB	compound building
CBA	cost benefit analysis
CBD	continuous blowdown
CBDTM	cause-based decision tree methodology
CBO	controlled bleedoff
CBP	computer-based procedure
CC	closed confirmed
CCAS	containment cooling actuation signal
CCF	common-cause failure
CCFL	countercurrent flow limitation
CCFP	conditional containment failure probability
CCG	control channel gateway
CCP	centrifugal charging pump
CCS	component control system
CCW	component cooling water
CCWHX	component cooling water heat Exchanger
CCWHXB	component cooling water heat exchanger building

CCWS	component cooling water system
CDF	core damage frequency
CDFM	conservative deterministic failure margin
CDI	conceptual design information
CDP	cask decontamination pit
CDS	condensate system
CE	Combustion Engineering
CEA	control element assembly
CE-ABB	Combustion Engineering - Asea Brown Boveri
CEAC	control element assembly calculator
CEACP	control element assembly change program
CEAE	control element assembly ejection
CEAE	control element assembly elevator
CEDM	control element drive mechanism
CEDMCS	control element drive mechanism control system
CESSAR	Combustion Engineering Standard Safety Analysis Report
CET	containment event tree
CET	core-exit thermocouple
CEUS	Central and Eastern United States
CF	containment failure
CFD	computational fluid dynamics
CFR	*Code of Federal Regulations*
CFS	cavity flooding system
CFS	condensate and feedwater system
CHCS	containment hydrogen control system
CHF	critical heat flux
CHMS	containment hydrogen monitoring system
CHRS	containment heat removal system
CIAS	containment isolation actuation signal

CILRT	containment integrated leakage testing
CIM	component interface module
CIS	containment internal structure
CIS	containment isolation system
CIV	containment isolation valve
CL	cold leg
CLI	cold leg injection
CMOS	complementary metal-oxide semiconductor
CMS	containment monitoring system
COD	crack opening displacement
COF	cause of failure
COF	coefficient of friction
COL	combined license
COLR	Core Operating Limits Report
COLSS	core operating limit supervisory system
Common Q	Common Qualified
COMS	communications system
COTS	commercial off-the-shelf
CP	Cathodic Protection
CPB	compound building
CPC	core protection calculator
CPCS	core protection calculator system
CPG	containment performance goal
CPI	containment purge isolation
CPIAS	containment purge isolation actuation signal
CPIS	containment purge isolation signal
CPLR	conditional probability of large release
CPM	control panel multiplexer
CPP	control element assembly position processor

CPS	condensate polishing system
CPU	central processing unit
CQ	clarifying question
CR	closed resolved
CRC	cyclic redundancy check
CRDM	control rod drive mechanism
CRE	control room envelope
CREACS	control room emergency makeup air cleaning system
CREVAS	control room emergency ventilation actuation signal
CRF	carryout rate fraction
CRHS	control room heating, ventilation, and air conditioning system
CRIS	control room isolation signal
CRSI	Concrete Reinforcing Steel Institute
CRSRS	control room supply and return system
CS	containment spray
CS	core support
CSAS	containment spray actuation signal
CSB	core support barrel
CSDRS	certified seismic design response spectra
CSE	containment systems experiment
CSF	condensate storage facility
CSF	critical safety function
CSFP	conditional seal failure probabilities
CSP	containment spray pump
CSS	containment spray system
CST	condensate storage tank
CT	compact tension
CT	Completion Time
CT	cooling tower

CU	closed unresolved
CV	control valve
CVAP	comprehensive vibration assessment program
CVCS	chemical and volume control system
CVS	cavity flooding system
CW	circulating water
CWP	control element assembly withdrawal prohibit
CWS	circulating water system
D3	diversity and defense-in-depth
D3CA	diversity and defense-in depth coping analysis
DAC	derived air concentration
DAC	design acceptance criteria
DAs	diagnostic actions
DAS	diverse actuation system
DAW	dry active waste
DBA	design basis accident
DBE	design basis event
DBH	design-basis hurricane
DBT	design-basis threat
DBT	design-basis tornado
DC	design certification
dc	Direct Current
DC	direct current
DCA	design certification application
DCD	design control document
DCH	direct containment heating
DCN-I	data communications network-information
DCS	distributed control system
DDT	deflagration to detonation transition

DE	dose equivalent
DE	double-ended
DEDLSB	double-ended discharge leg slot break
DEGB	double-ended guillotine break
DEHLGB	double-ended hot leg guillotine break
DEHLSB	double-ended hot leg slot break
DEMA	Diesel Engine Manufacturers Association
DESB	double-ended slot break
DESLSB	double-ended suction leg slot break
DET	decomposition event tree
DF	decontamination factor
DFOST	diesel fuel oil storage tank
DFOT	diesel fuel oil tank
DG-LOVS	diesel generator – loss of voltage start
DHR	decay heat removal
DI	design implementation
DIF	dynamic impact factor
DIHA	deterministically important human action
DIS	diverse indication system
DLF	dynamic loading factor
DMA	diverse manual actuation
DNB	departure from nucleate boiling
DNBR	departure from nucleate boiling ratio
DOT	Department of Transportation
DPS	diverse protection system
DR	deviation report
D-RAP	design reliability assurance program
DRCS	digital rod control system
DSRS	design specific review standard

DTSP	draft trip setpoint
DVI	direct vessel injection
DVR	degraded voltage relay
DWST	demineralized water storage tank
EAB	exclusion area boundary
EAC	emergency alternating current
EAF	environmentally assisted fatigue
EBD	emergency blowdown
EBOP	emergency lube oil pump
ECC	emergency core cooling
ECCS	emergency core cooling system
ECL	effluent concentration limits
ECSBS	emergency containment spray backup system
ECW	essential chilled water
ECWS	essential chilled water system
EDD	embedded digital device
EDECAIES	emergency diesel engine combustion air intake and exhaust system
EDECWS	emergency diesel engine cooling water system
EDEFOS	emergency diesel engine fuel oil system
EDELS	emergency diesel engine lubricating oil system
EDESS	emergency diesel engine starting system
EDG	emergency diesel generator
EDGB	emergency diesel generator building
EDG-LOVS	emergency diesel generator – loss of voltage start
EDGS	emergency diesel generator system
EDSFI	electrical distribution system functional inspection
EDT	equipment drain tank
EFDS	equipment and floor drainage system
EG&G	Edgerton, Germeshausen, and Grier, Inc.

ELAP	extended loss of alternating current power
EM	evaluation model
EMC	electromagnetic compatibility
EMI	electromagnetic interference
ENFMS	excore neutron flux monitoring system
ENS	emergency notification system
EOB	end of blowdown
EOC	end of cycle
EOF	emergency operation facility
EOG	emergency operating guideline
EOL	emergency overflow line
EOL	end of life
EOP	emergency operating procedure
EOPR	end-of the post re-flood
EOPs	emergency operating procedures
EP	emergency planning
EPA	electrical penetration assembly
EPA	Environmental Protection Agency
EPDM	ethylene propylene diene monomer
EPM	engineering procedures manual
EPR	Evolutionary Power Reactor
EPRI	Electric Power Research Institute
EQ	environmental qualification
EQ	equipment qualification
ER	environmental report
ERDS	emergency response data system
ERF	emergency response facility
ERR	electronic reading room
ERVC	external reactor vessel cooling

ESA	extension shaft assembly
ESCM	engineered safety features-component control system soft control module
ESD	electric static discharge
ESF	engineered safety feature
ESFAS	engineered safety features actuation signal
ESFAS	engineered safety features actuation system
ESF-CCS	engineered safety features-component control system
ESF-CSS	engineered safety feature - component control system
ESP	early site permit
ESW	essential service water
ESWB	essential service water building
ESWS	essential service water system
ET	event tree
ETAP	electrical transient analyzer program
ETS	emergency trip system
EVSE	ex-vessel steam explosion
F&Os	findings and observations
FA	fuel assembly
FA	function allocation
FAC	flow-accelerated corrosion
FAT	factory acceptance testing
FATT	fracture appearance transition temperature
FBACS	fuel building air cleanup system
FCI	fuel-coolant interaction
FD	fluidic device
FDA	final design approval
FEA	finite element analysis
FEM	finite element model
FFD	fitness-for-duty

FHA	fuel handling accident
FHA	fuel handling area
FHAEES	fuel handling area emergency exhaust system
FHEVAS	fuel handling area emergency ventilation actuation signal
FHIS	fuel handling isolation signal
FIDAS	fixed in-core detector amplifier system
FIRS	foundation input response spectra
FIV	flow-induced vibration
FLB	feedwater line break
FLC	factored load category
FLC	field programmable gate array (FPGA) logic controllers
FLECHT	full-length emergency cooling heat transfer
FLEX	Diverse and Flexible Coping Strategies
FME	foreign material exclusion
FMEA	failure modes and effects analysis
FOAK	first-of-a-kind
FOS	factors of safety
FOT	fiber optic transmitter
FPC	front panel control
FPCS	fission product control system
FPD	flat panel display
FPGA	field programmable gate array
FPP	fire protection program
FPRA	fire probabilistic risk assessment
FPS	fire protection system
FPSFR	full-power main steam flow rate
FR	*Federal Register*
FRA	functional requirements analysis
FRGs	functional recovery guidelines

FRV	feedwater regulating valve
FSAR	final safety analysis report
FSCEA	full-strength control element assembly
FSER	final safety evaluation report
FSSA	fire safe shutdown analysis
FTC	fuel temperature coefficient
FTS	fuel transfer system
FV	Fussell-Vesely
FW	feedwater
FWCS	feedwater control system
FWLB	feedwater line break
GALE	gaseous and liquid effluent
GALL	Generic Aging Lessons Learned
GC	group controller
GCB	generator circuit breaker
GDC	general design criteria
GL	Generic letter
GMRS	ground motion response spectrum
GRMS	ground motion response spectra
GRS	gaseous radwaste system
GSI	generic safety issue
GTAW	gas tungsten arc welding
GTG	gas turbine generator
GTGs	generic technical guidelines
GTS	generic technical specifications
GWMS	gaseous waste management system
HA	human action
HCBD	high-capacity blowdown
HCLPF	high confidence of low probability of failures

HCR/ORE	human cognitive reliability/operator reliability experiment
HDL	hardware description language
HED	human engineering discrepancy
HEI	Heat Exchanger Institute
HELB	high energy line break
HEPA	high efficiency particulate air
HEPs	human error probabilities
HFE	human factors engineering
HFP	hot full power
HFT	hot functional testing
HI	hydrogen igniter
HIC	high-integrity container
HJTC	heated junction thermocouple
HL	hot leg
HLI	hot leg injection
HLPT	high logarithmic power trip
HMS	hydrogen mixing system
HOD	higher order difference
HP	high pressure
HPME	high-pressure melt injection
HPPT	high pressurizer pressure trip
HPS	Health Physics Society
HPSI	high pressure safety injection
HPZ	hot power zone
HRA	human reliability analysis
HRAS	high radiation signal
HRHF	hard rock high frequency
HSGL	high steam generator level
HSI	human system interface

HT	heat transfer
HT	high-temperature
HTC	heat transfer coefficient
HUT	holdup tank
HVAC	heating, ventilation, and air conditioning
HVT	holdup volume tank
HX	heat exchanger
HZP	hot zero power
I&C	instrumentation and controls
IAS	instrument air system
IASCC	irradiation-assisted stress corrosion cracking
IBR	incorporated by reference
ICC	inadequate core cooling
ICI	incore instrumentation
ICR	information and control requirement
ICRP	International Commission on Radiological Protection
ICS	iodine cleanup system
ICSBEP	International Handbook of Evaluated Criticality Safety Benchmark Experiments
IDE	in-vessel downstream effect
IE	initiating event
IE	Inspection and Enforcement
IEEE	Institute of Electrical and Electronics Engineers
IESNA	Illumination Engineering Society of North America
IFPD	information flat panel display
IHA	important human action
IHA	integrated head assembly
ILRT	integrated leak rate test
IN	Information Notice
IOE	industry operating experience

IOSGADV	inadvertent opening of a steam generator atmospheric dump valve
IOZ	inorganic zinc
IP	implementation plan
IP	instrumentation and control power
IPB	isolated phase bus
IPS	information processing system
IRSF	interim radwaste storage facility
IRWST	in-containment refueling water storage tank
ISG	interim staff guidance
ISI	inservice inspection
ISLOCA	interfacing system loss of coolant accident
ISM	independent support motion
ISRS	in-structure response spectrum
IST	inservice testing
ISV	integrated system validation
ISV	intermediate stop valve
ITA	important-to-availability
ITA	inspection, tests, and analyses
ITAAC	inspections, tests, analyses and acceptance criteria
ITC	isothermal temperature coefficient
ITP	initial test program
ITP	interface and test panel
ITP	interface and test processor
ITS	important-to-safety
ITS	issue tracking system
IV	intercept valve
IVMS	internal vibration monitoring system
IVR-ERVC	in-vessel retention and external reactor vessel cooling
IVSE	in-vessel steam explosion

IWSS	in-containment water storage system
K/A	knowledge and ability
KAERI	Korea Atomic Energy Research Institute
KDL	Kreisinger Development Laboratory
KEPCO	Korea Electric Power Corporation
KHNP	Korea Hydro and Nuclear Power Co., Ltd.
LACL	last access control location
LAN	Local Area Network
LB	lower bound
LBB	leak-before-break
LBLOCA	large break loss-of-coolant accident
LC	loop controller
LCF	late containment failure
LCL	local coincidence logic
LCO	limiting conditions for operation
LCS	local control station
LDLB	letdown line break
LDP	large display panel
LED	light-emitting diode
LEL	lower electrical limit
LFW	loss of feedwater
LGS	lower group stop
LHGR	linear heat generator rate
LHR	linear heat rate
LHS	Latin Hypercube Sampling
LLEAs	local law enforcement agencies
LLHS	light load handling system
LLRW	low level radioactive waste
LLVR	low voltage relay

LO	locked open
LOAC	loss of nonemergency alternating current
LOCA	loss-of-coolant accident
LOCCW	loss of component cooling water
LOCV	loss of condenser vacuum
LODC	loss of dc
LOEL	loss of external load
LOF	loss of flow
LOFW	loss of feedwater
LOLA	loss of large area
LONF	loss of normal feedwater
LOOP	loss of off-site power
LOV	loss-of-voltage
LOVS	loss of voltage start
LP	low pressure
LPD	local power density
LPMS	loose parts monitoring system
LPSD	low power and shutdown
LPSI	low pressure safety injection
LPZ	low-population zone
L-R	latch-reset
LRA	locked rotor accident
LRF	large release frequency
LRS	liquid radwaste system
LRWLIS	local refueling water level indication system
LSS	lower support structure
LSSS	limiting safety system setting
LT	low-temperature
LTC	long term cooling

LTOP	low temperature overpressure protection
LTSP	limiting trip setpoint
LUHS	loss of normal access to ultimate heat sink
LWA	limited work authorization
LWMS	liquid waste management system
LWR	light water reactor
M&E	mass and energy
MAAP	modular accident analysis program
MACB	main access control building
MC	main condenser
MC	metal containment
MCC	motor control center
MCCB	molded case circuit breaker
MCCI	molten core and concrete interaction
MCNP	Monte Carlo N-Particle
MCR	main control room
MDNBR	minimum departure from nucleate boiling ratio
MFHX	mini-flow heat exchanger
MFIV	main feedwater isolation valve
MFLB	main feedwater line break
MFWS	main feedwater system
MG	main generator
MLOCA	medium loss of coolant accident
MOTS	mechanical overspeed trip system
MOUs	Memoranda of Understanding
MOV	motor-operated valve
MR	maintenance rule
MRP	Materials Reliability Program
MRRS	minimum required response spectrum

MSADV	main steam atmospheric dump valve
MSGTR	Multiple Steam Generator Tube Rupture
MSIS	main steam isolation signal
MSIV	main steam isolation valve
MSIVBV	main steam isolation valve bypass valve
MSLB	main steam line break
MSP	manual standard practice
MSR	moisture separator reheater
MSS	main steam system
MSSD	minimum stand-off distance
MSSV	main steam safety valve
MSV	main steam valve
MSVH	main steam valve house
MT	main transformer
MTC	moderator temperature coefficient
MTCs	moderator temperature coefficients
MTP	maintenance and test panel
MUX	multiplexer
MV	medium voltage
NACE	National Association of Corrosion Engineers
NAM	near area minimum
NASA	National Aeronautics and Space Administration
NBD	normal blowdown
NCC	natural circulation cooling
NDE	nondestructive examination
NEC	National Electrical Code
NEI	Nuclear Energy Institute
NEM	nodal expansion method
NFE	new fuel elevator

NFPA	National Fire Protection Association
NFSP	new fuel storage pit
NFSR	new fuel storage rack
NI	nuclear island
NIMS	nuclear steam supply system integrity monitoring system
NIMS	nuclear instrument monitoring system
NNS	non-nuclear safety
NO	normal operating
NOV	notice of violation
NPCS	nuclear steam supply system process control system
NPGS	nuclear power generating station
NPP	nuclear power plant
NPSH	net positive suction head
NPSS	normal primary sampling system
NQA	nuclear quality assurance
NR	narrow range
NRC	Nuclear Regulatory Commission
NRV	non-return check valve
NSAL	nuclear safety advisory letter
NSR	Non-Safety Related
NSSS	nuclear steam supply system
NTSP	nominal trip setpoint
NTTF	Near-Term Task Force
NWS	National Weather Service
OBE	operating-basis earthquake
OC	operator console
ODCM	offsite dose calculation manual
OE	operating experience
OER	operating experience review

OHLHS	overhead heavy load handling system
OLTC	on-load tap changer
Op Ex	operating experience
OPC	open phase condition
OPDP	open phase detection and protection
OPR	optimized power reactor
ORE	occupational radiation exposure
ORGs	optimal recovery guidelines
ORNL	Oak Ridge National Laboratory
OSC	operational support center
P&ID	piping and instrumentation diagram
P/F	particle to fiber
PA	postulated accidents
PA	protected area
PABX	plant private automatic branch telephone exchange
PACU	package air conditioning unit
PAM	post-accident monitoring
PAR	passive autocatalytic recombiner
PASS	post-accident sampling system
PBX	plant telephone exchange
P-CCS	process–component control system
PCCV	prestressed concrete containment vessel
PCIC	post-core instrument correlation
PCMI	pellet clad mechanical interaction
PCP	process control program
PCS	power control system
PCT	peak cladding temperature
PCW	plant chilled water
PCWS	plant chilled water system

PD	procedure development
PD	pump discharge
PDIL	power dependent insertion limit
PDS	plant damage state
PdTm	process delay time
PE	program element
PED	piping evaluation diagram
PERMS	process and effluent radiological monitoring system
PERMSS	process effluent radiation monitoring and sampling system
PF	Penalty Factor
PGA	peak ground acceleration
PICEP	pipe crack evaluation program
PIV	pressure isolation valve
PLC	programmable logic controller
PLCS	pressurizer level control system
PLHGR	peak linear heat generation rate
PMF	probable maximum flood
PMP	probably maximum precipitation
PMS	plant monitoring system
PMWP	probable maximum winter precipitation
PNL	Pacific Northwest Laboratory
PNNL	Pacific Northwest National Laboratory
PNS	permanent non-safety
POLF	partial loss of flow
POS	plant operating state
POSRV	pilot operated safety relief valve
POSRV	power operated safety relief valve
POV	power-operated valve
PPASS	process and post-accident sampling system

PPCS	pressurizer pressure control system
PPM	project procedure manual
PPS	physical protection system
PPS	plant protection system
PPS	Preferred Power Supply
PRA	probabilistic risk assessment
PRHA	pipe rupture hazards analysis
PRT	pressurizer relief tank
PRWLIS	permanent refueling water level indication system
PSAI	plant specific action item
PSCEA	part-strength control element assembly
PSD	power spectral density
PSHA	probabilistic seismic hazard analysis
PSI	preservice inspection
PSRV	pressurizer safety relief valve
PSS	physical security system
P-STGs	plant-specific technical guidelines
PSW	primary shield wall
P-T	pressure-temperature
PTLR	pressure and temperature limits report
PTS	pressurized thermal shock
PVNGS	Palo Verde Nuclear Generation Station
PWR	Pressurized-water reactor
PWROG	Pressurized-Water Reactor Owners Group
PWSCC	primary water stress-corrosion cracking
PZR	pressurizer
Q	common qualified
QA	quality assurance
QAM	quality assurance manual

QAP	quality assurance program
QAPD	quality assurance program description
QIAS-N	qualified indication and alarm system-non-safety
QIAS-P	qualified indication and alarm system-safety
R/O	reverse osmosis
RADTRAD	RADionuclide, Transport, Removal and Dose Estimation
RAI	request for additional information
RAMP	Radiological Protection Computer Code Analysis and Maintenance Program
RAP	reliability assurance program
RAW	risk achievement worth
RB	reactor building
RC	resolved confirmatory
RCB	reactor containment building
RCC	remote control center
RCFC	reactor containment fan cooler
RCFCS	Reactor Containment Building Cooling Subsystem
RCGVS	reactor coolant gas vent system
RCL	reactor coolant loop
RCP	reactor coolant pump
RCPB	reactor coolant pressure boundary
RCS	reactor coolant system
RDT	reactor drain tank
REMP	radiological effluent monitoring program
ReSR	results summary report
RETS	radiological effluent technical specification
RFI	radio frequency interference
RFI	request for information
RG	Regulatory Guide
RH	relative humidity

RHR	residual heat removal
RIA	reactivity-initiated accident
RIHA	risk-important human action
RIS	Regulatory Information Summary
RLE	review level earthquake
RM	refueling machine
RMI	reflective metallic insulation
RMS	radiation monitoring system
RMWT	reactor makeup water tank
RO	reactor operator
ROPM	required overpower margin
RPAC	Radiation Protection and Accident Consequences Branch
RPCS	reactor power cutback system
RPS	reactor protection system
RPV	reactor pressure vessel
RRS	reactor regulating system
RSA	response spectrum analysis
RSC	remote shutdown console
RSF	remote shutdown facility
RSF	rod shadow factor
RSG	replacement steam generator
RSPT	reed switch position transmitter
RSR	remote shutdown room
RSS	remote shutdown system
RSV	reheat stop valve
RT	reactor trip
RT	reference temperature
RTCB	reactor trip circuit breaker
RTD	resistance temperature detector

RTM	requirements traceability matrix
RTNSS	regulatory treatment of nonsafety systems
RTO	reactor trip override
RTP	rated thermal power
RTP	return to power
RTS	reactor trip system
RTSG	reactor trip switchgear
RTSS	reactor trip switchgear system
RV	reactor vessel
RVCH	reactor vessel closure head
RVI	reactor vessel internals
RVLMS	reactor vessel level monitoring system
RWMSs	radioactive waste management systems
RWST	refueling water storage tank
RWT	refueling water tank
RX	receive
S&Q	staffing and qualifications
SAE	severe accident evaluation
SAF	Shape Annealing Function
SAFDL	specified acceptable fuel design limit
SAGAT	situational awareness global assessment technique
SAM	shape annealing matrix
SAM	startup administrative manual
SAMDA	severe accident mitigation design alternatives
SAMG	severe accident mitigation guideline
SAR	safety analysis report
SAS	secondary alarm station
SAS	service air system
SAT	standby auxiliary transformer

SBCS	steam bypass control system
SBLOCA	small break loss of coolant accident
SBO	station blackout
SC	safety console
SC	short circuit
SC	shutdown cooling
SCBA	self-contained breathing apparatus
SCC	stress corrosion cracking
SCMP	software configuration management plan
SCP	setpoint control program
SCP	shutdown cooling pump
SCS	shutdown cooling system
SDC	shutdown cooling
SDCV	spatially dedicated continuously visible
SDD	software design description
SDL	serial data link
SDM	shutdown margin
SDN	system data network
SDOE	secure development and operational environment
SDP	software development plan
SE	safety evaluation
SEL	seismic equipment list
SER	safety evaluation report
SFDP	safety function determination program
SFG	structural fill granular
SFHM	spent fuel handling machine
SFP	spent fuel pool
SFPCCS	spent fuel pool cooling and cleanup system
SFPWL	spent fuel pool water level

SFSR	spent fuel storage rack
SG	steam generator
SGBDS	steam generator blowdown system
SGI	safeguards information
SGTR	steam generator tube rupture
SI	safety injection
SIAS	safety injection actuation signal
SIFT	safety injection filling tank
SInstP	software installation plan
SIP	safety injection pump
SIRCP	startup of an inactive reactor coolant pump
SIS	safety injection system
SIT	safety injection tank
SIT	structural integrity test
SKN	Shin-Kori Nuclear Power Plant
SL	safety limit
SL	service level
SL	surge line
SLB	steam line break
SLBFPDLOOP	Sequence of Events for a Large Steam Line Break During Full-Power Operation with a Loss of Offsite Power Concurrent with the Initiation of Event
SLBZPLOOPD	Sequence of Events for a Large Steam Line Break During Zero Power Operation with a Loss of Offsite Power Concurrent with the Initiation of Event
SM	shutdown margin
SMA	seismic margin analysis
SME	subject matter expert
SMP	software management plan
SMS	seismic monitoring system
SNM	special nuclear material

SOARCA	state-of-the-art reactor consequence analyses
SOC	sampling of operational conditions
SODP	shutdown overview display panel
SOMP	software operation and maintenance plan
SOV	solenoid operated valves
SP	standard practice
SPADES+	safety parameter display and evaluation system+
SPDS	safety parameter display system
SPND	self-powered neutron detectors
SPTAs	standard post-trip actions
SQAP	software quality assurance plan
SR	supporting requirements
SR	surveillance requirement
S-R	set-reset
SRDC	safety-related divisionalized cabinet
SREC	standard radiological effluent controls
SRM	source range monitoring
SRM	staff requirements memorandum
SRO	senior reactor operator
SRP	Standard Review Plan
SRS	software requirements specifications
SRSTs	spent resin storage tanks
SRV	safety relief valve
SS	sampling system
SS	shift supervisor
SSCs	structures, systems and components
SSE	safe shutdown earthquake
SSI	soil structure interaction
SSIEs	supporting system initiating events

SSP	software safety plan
SSS	secondary sampling system
SSSI	structure-soil-structure interaction
SSW	secondary shield wall
STA	senior technical advisor
STC	source term category
STE	special test exception
STP	software test plan
STP	standard penetration test
STrngP	software training plan
STS	Standard Technical Specifications
SV	stop valve
SVVP	software verification and validation plan
SWMS	solid waste management system
T/G	turbine generator
T/H	thermal/hydraulic
TA	task analysis
TAA	transient and accident analysis
TAM	thermal anchor movements
TBS	Turbine Bypass System
TBV	turbine bypass valve
TCB	trip circuit breakers
TCD	thermal conductivity degradation
TCS	turbine control system
TDAFWP	turbine-driven auxiliary feedwater pump
TDH	total dynamic head
TEDE	total effective dose equivalent
TeR	Technical Report
TG	Turbine Generator

TGB	turbine generator building
TGBCCWS	Turbine Generator Building Closed Cooling Water System
TGBOCWS	Turbine Generator Building Open Cooling Water System
TGCS	turbine generator control system
TGSS	turbine gland seal steam
THD	total harmonic distortion
THERP	Technique for Human Error Rate Prediction
TID	total integrated dose
TIHA	treatment of important human actions
TLU	total channel uncertainty
TLX	task load index
TmAv	time available
TmEn	time engaged
TMI	Three Mile Island
TmRq	time required
TO	turbine operator
TR	Technical Report
TR	topical report
TRSE	topical report safety evaluation
TS	technical specifications
TSC	technical support center
TSO	Transmission System Operator
TSP	Transmission System Provider
TSP	trip setpoint
TSP	trisodium phosphate
TSSS	turbine steam seal system
TSTF	Technical Specification Task Force
TTL	transistor-transistor logic
TU	termination unit

TX	Transmit
UAE	United Arab Emirates
UAT	unit auxiliary transformer
UB	upper bound
UEL	upper electrical limit
UGS	upper group stop
UGS	upper guide structure
UHS	ultimate heat sink
UL	Underwriter Laboratories
ULMS	ultrasonic level measurement system
UPS	uninterruptible power supply
URD	utility requirements document
US	United States
USACE	U.S. Army Corps of Engineers
USE	upper-shelf energy
USI	unresolved safety issue
USM	uniform support motion
UT	ultrasonic testing
V&V	verification and validation
VAPER	valve performance evaluation rig
VB	vessel breach
VBS	vehicle barrier system
VCT	volume control tank
VDC	voltage direct current
VDU	visual display unit
VFTP	ventilation filter testing program
VHRA	very high radiation areas
VOPT	variable overpower reactor trip
VPN	Virtual Private Network

VSLOCA	very small loss of coolant accident
WDS	workstation disable switch
WDT	watchdog timer
WLS	wet layup subsystem
WRC	Welding Research Council
WWTF	waste water treatment facility
ZOI	zone of influence
ZPA	zero period acceleration