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ACRONYMS, ABBREVIATIONS, AND SYMBOLS

@	at symbol, abbreviation for the word at
±	plus or minus
§	section
°C	degree Celsius
°F	degree Fahrenheit
ΔT	temperature rise
A.C.	alternating current
ACHP	Advisory Council on Historic Preservation
ALARA	as low as reasonably achievable
AMR	aging management review
AP1000	Advanced Passive 1000
APE	area of potential effects
AREOR	annual radiological environmental operating report
ARERR	annual radioactive effluent release report
B/CTP	biocide/corrosion treatment plan
BFN	Browns Ferry Nuclear Plant
bgs	below ground surface
BLEU	blended low-enriched uranium
BLN	Bellefonte Nuclear Plant
BMP	best management practice
B.P.	before present
BTEX	benzene, toluene, ethyl-benzene, and xylenes
BTU	British thermal unit
BWR	boiling water reactor
CAA	Clean Air Act
$CACO_3$	calcium chloride
CAES	compressed air energy storage
CCS	carbon capture and storage
CCW	condenser circulating water
CEDE	committed effective dose equivalent
CEQ	Council on Environmental Quality
CESQG	conditionally exempt small quantity generator
CFR	Code of Federal Regulations
cfs	cubic feet per second
CLB	current licensing basis

CLWR	commercial light water reactor
CO	carbon monoxide
CO_2	carbon dioxide
COLA	combined operating license application
CRP	conservation reserve program
CSP	concentrating solar power
CWA	Clean Water Act
DAW	dry active waste
dB	decibel
dBA	A-weighted decibel
DBA	design-basis accident
DECON	decommissioning strategy – prompt dismantlement
DO	dissolved oxygen
DOE	U.S. Department of Energy
DSEIS	draft supplemental environmental impact statement
DSN	discharge serial number
dT_d/dt	temperature rate of change
EA	environmental assessment
EAB	exclusion area boundary
EDE	effective dose equivalent
EDR	Environmental Data Resources
EEDR	energy efficiency and demand response
e.g.	for example (Latin term)
EIS	environmental impact statement
ENTOMB	decommissioning strategy – encasement
EO	Executive Order
EPA	U.S. Environmental Protection Agency
EPRI	Electric Power Research Institute
EPZ	emergency planning zone
ERCW	essential raw cooling water
ESA	Endangered Species Act
et seq.	and following (Latin term)
F/EF	Fujita tornado scale ranging from 1 to 5/ Enhanced Fujita
FES	final environmental statement
FEIS	final environmental impact statement
FHA	fuel handling accident
FOST	fuel oil storage tank

FRP	flood risk profile
FSEIS	final supplemental environmental impact statement
ft	foot (feet)
FY	fiscal year
g	acceleration due to gravity
GCC	global climate change
gdp	gallons per day
GEIS	*Generic Environmental Impact Statement for License Renewal of Nuclear Power Plants* (NUREG-1437)
GHG	greenhouse gas
GNEP	Global Nuclear Energy Partnership
gpm	gallons per minute
GWh	gigawatt hour
GWPS	gaseous waste processing system
GWSI	groundwater site inventory
HAP	hazardous air pollutant
HEPA	high efficiency particulate air
HEU	highly enriched uranium
HIC	high integrity container
HiRM	Hiwassee River mile
HOLTEC	Holtec International
HPA	habitat protection area
HRSG	heat recovery steam generator
HUD	U.S. Department of Housing and Urban Development
I&I	irreversible and irretrievable
I-75	Interstate 75
i.e.	that is (Latin term)
IMP	internal monitoring point
IPA	integrated plant assessment
IPCC	Intergovernmental Panel on Climate Change
IRP	Integrated Resource Plan
ISFSI	independent spent fuel storage installation
JSF	John Sevier Fossil Plant
JSF CC	John Sevier Fossil Combined-Cycle Plant
kV	kilovolt
kW	kilowatt
kWh	kilowatt hour

$kWh/m^2/day$	kilowatt hour per square meter per day
lb	pound
Ldn	day-night average noise level
LEFM	leading edge flow measurement
LEU	low enriched uranium
LLRW	low-level radioactive waste
LPZ	low population zone
LRA	license renewal application
LWPS	liquid waste processing system
LWR	light water reactor
m	meter
m^2	meter squared
m^3	cubic meter
M	moment magnitude
MM	modified Mercalli
MACCS	MELCOR Accident Consequence Code System
mbLg	measured Lg wave magnitude
MEI	maximally exposed individual
MFTDS	modulated filter transfer demineralization system
MGD	millions of gallons per day
mg/L	milligram per liter
MOX	mixed oxide
MPC-32	32-capacity multipurpose canister
mrad	millirad
mrem	millirem
mrem/qtr	mrem per quarter
msl	mean sea level
MS-SRV	main steam-safety release valve
MSA	metropolitan statistical area
MSDS	material safety data sheet
MSS	mobile solidification system
MSW	municipal solid waste
mt	metric tons
MTBE	methyl tert-butyl ether
MTU	metric ton uranium
MW	megawatt
MWD	megawatt-day

MWD/MTU	megawatt-day/metric ton uranium
MWe	megawatts electric
MWh	megawatt hour
N_2O	nitrous oxide
NA	not applicable
NAAQS	National Ambient Air Quality Standards
NaS	sodium sulfur
NCDC	National Climatic Data Center
NEI	Nuclear Energy Institute
NEPA	National Environmental Policy Act
NHIP	Natural Heritage Inventory Program
NHPA	National Historic Preservation Act
nm	nautical mile
NOA	notice of availability
NOI	notice of intent
NO_2	nitrogen dioxide
NO_x	nitrogen oxides
NPDES	national pollutant discharge elimination system
NPS	National Park Service
NRC	U.S. Nuclear Regulatory Commission
NREL	National Renewable Energy Laboratory
NRHP	National Register of Historic Places
NRI	Nationwide Rivers Inventory
NUREG	U.S. Nuclear Regulatory Commission Regulation
NWI	National Wetland Inventory
NWSR	National Wild and Scenic Rivers
O_3	ozone
OBE	operating basis earthquake
ODCM	offsite dose calculation manual
OSF	on-site storage facility
PCB	polychlorinated biphenyls
pCi/L	picocuries per liter
PM	particulate matter
$PM_{2.5}$	particulate matter with a diameter or less than 2.5 microns
PM_{10}	particulate matter with an aerodynamic diameter of up to 10 microns
PMF	probable maximum flood
PMP	probable maximum precipitation

ppm	parts per million
PPA	power purchase agreement
PRT	pressurizer relief tank
PSA	probabilistic safety assessment
PSD	prevention of significant deterioration
PV	photovoltaic
PVRR	present value of revenue requirements
PWR	pressurized water reactor
radwaste	radioactive waste
RBI	reservoir benthic index
RCCA	rod cluster control assembly
RCRA	Resource Conservation and Recovery Act
REMP	radiological environmental monitoring program
RFAI	reservoir fish assemblage index
ROD	record of decision
ROG	reactive organic gases
ROS	reservoir operations study
ROW	right-of-way
RWST	refueling water storage tank
SAFSTOR	decommissioning strategy – delayed DECON
sec/m^3	seconds per cubic meter
SEIS	supplemental environmental impact statement
SHPO	state historical preservation officer
SO_2	sulfur dioxide
SO_x	sulfur oxides
SPCC	spill prevention, control, and countermeasures
SPD	surplus plutonium disposition
sq mi	square mile
SQG	small quantity generator
SQN	Sequoyah Nuclear Plant
SRST	spent resin storage tank
SSC	structures, systems, and components
SSE	safe shutdown earthquake
SEIS	supplemental environmental impact statement
SR 319	State Road 319
T_d	downstream temperature
TDEC	Tennessee Department of Environment and Conservation

TDOT	Tennessee Department of Transportation
TEDE	total effective dose equivalent
THC	Tennessee Historical Commission
TLAA	time-limited aging analysis
TMDL	total maximum daily load
TPBAR	tritium-producing burnable absorber rod
TPH	total petroleum hydrocarbons
TRM	Tennessee River mile
TVA	Tennessee Valley Authority
TWRA	Tennessee Wildlife Resources Agency
UFC	uranium fuel cycle
UFSAR	updated final safety analysis report
UO_2	uranium dioxide
US 27	U.S. Highway 27
USC	U.S. Code
USDA	U.S. Department of Agriculture
USDOT	U.S. Department of Transportation
USFS	U.S. Forest Service
USFWS	U.S. Fish and Wildlife Service
USGS	U.S. Geological Survey
UST	underground storage tank
UTCBER	University of Tennessee Center for Business and Economic Research
VCT	volume control tank
VOC	volatile organic compound
WAW	wet active waste
WBN	Watts Bar Nuclear Plant
WGA	waste gas analyzer
WNA	World Nuclear Association
WPC	TDEC Division of Water Pollution Control (or water pollution control)
X/Q	atmospheric dispersion factor
yd^3	cubic yard