

Abbreviations/Acronyms

°	degree
μCi	microcurie(s)
μCi/mL	microcurie(s) per milliliter
μGy	microgray(s)
μm	micrometer(s)
μSv	microsieverts
ABWR	advanced boiling water reactor
ac	acre(s)
ACC	averted cleanup and decontamination cost
ACS	American Cancer Society
AEA	Atomic Energy Act of 1954
AEC	U.S. Atomic Energy Commission
AOC	averted offsite property damage costs
AOE	averted occupational exposure
AOSC	averted onsite costs
APB	accident progression bin
APE	averted public exposure
AQCR	air quality control region
ATWS	anticipated transient without scram
BEIR	Biological Effects of Ionizing Radiation
Bq	becquerel(s)
Bq/mL	becquerel(s) per milliliter
Btu	British thermal unit(s)
BWR	boiling water reactor
BWROG	boiling water reactor owners group
C	Celsius
CAA	Clean Air Act
CC/MS	cooler condenser/moisture separator
CDF	core damage frequency
CEQ	Council on Environmental Quality
CFR	Code of Federal Regulations
Ci	curie(s)
cm	centimeter(s)
CS	containment spray
CWA	Clean Water Act

Abbreviations/Acronyms

DAW	dry active waste
DBA	design-basis accident
dc	direct current
DOE	U.S. Department of Energy
DPR	demonstration project reactor
DSHPO	Delaware State Historic Preservation Officer
DSM	demand-side management
EIA	Energy Information Administration (of DOE)
EIS	environmental impact statement
ELF-EMF	extremely low frequency-electromagnetic field
EOP	Emergency Operating Procedures
EPA	U.S. Environmental Protection Agency
EPG	Emergency Procedure Guidelines
EPRI	Electric Power Research Institute
EP/SAG	Emergency Procedure and Severe Accident Guidelines
ER	Environmental Report
ESA	Endangered Species Act
ESRP	Environmental Standard Review Plan, NUREG-1555, Supplement 1, Operating License Renewal
F	Fahrenheit
FES	Final Environmental Statement
FPS	Fire Protection System
FR	Federal Register
FSAR	Final Safety Analysis Report
ft	foot/feet
ft/s	feet per second
FWPCA	Federal Water Pollution Control Act (also known as the Clean Water Act of 1977)
FWS	U.S. Fish and Wildlife Service
gal	gallon(s)
GEIS	Generic Environmental Impact Statement for License Renewal of Nuclear Plants, NUREG-1437
gpd	gallon(s) per day
gpm	gallon(s) per minute
GWH	gigawatt-hour(s)
Gy	gray
ha	hectare(s)
HEPA	high-efficiency particulate air (filter)
HIC	High integrity container

Abbreviations/Acronyms

HLW	high-level waste
HPCI	high pressure coolant injection
HPSW	High Pressure Service Water
hr	hour(s)
Hz	Hertz
ICRP	International Commission on Radiological Protection
in.	inch(es)
INEEL	Idaho National Engineering and Environmental Laboratory
IPEEE	individual plant examination of external events
ISFSI	independent spent fuel storage installation
ISLOCA	interfacing system loss-of-coolant accident
J	joule
kg	kilogram(s)
km	kilometer(s)
kV	kilovolt(s)
kV/m	kilovolt(s) per meter
kWh	kilowatt hour(s)
L	liter(s)
lb	pound(s)
LNT	linear, nonthreshold
LOCA	loss-of-coolant accident
LOOP	loss of offsite power
LQ	linear-quadratic
m	meter(s)
m/s	meter(s) per second
m ³ /d	cubic meters per day
m ³ /s	cubic meter(s) per second
mA	milliampere(s)
MACCS	MELCOR Accident Consequence Code System
MDD	maximum daily demand
MDE	Maryland Department of the Environment
mGy	milligray(s)
MHT	Maryland Historical Trust
mi	mile(s)
min	minute(s)
mL	milliliter(s)
mph	mile(s) per hour

Abbreviations/Acronyms

mrad	millirad(s)
mrem	millirem(s)
mSv	millisievert(s)
MT	metric ton(s) (or tonne[s])
MTHM	metric ton(s) (or tonne[s]) of heavy metal
MTU	metric ton(s) (or tonne[s])-uranium
MW	megawatt(s)
MWd/MTU	megawatt-day(s) per metric ton (or tonne) of uranium
MW(e)	megawatt(s) electric
MW(t)	megawatt(s) thermal
MWh	megawatt hour(s)
NA	not applicable
NAS	National Academy of Sciences
NCI	National Cancer Institute
NCRP	National Council on Radiation Protection and Measurements
NEPA	National Environmental Policy Act of 1969
NESC	National Electric Safety Code
NHPA	National Historic Preservation Act
NIEHS	National Institute of Environmental Health Sciences
NMFS	National Marine Fisheries Service
NO _x	nitrogen oxide(s)
NPDES	National Pollutant Discharge Elimination System
NRC	U.S. Nuclear Regulatory Commission
NREL	National Renewable Energy Laboratory
NSW	Normal Service Water
ODCM	Offsite Dose Calculation Manual
OL	operating license
PARs	Publically Available Record
PBq	petabecquerel(s)
PDEP	Pennsylvania Department of Environmental Protection
PDS	plant damage state
PECO	Philadelphia Energy Company (predecessor to Exelon)
PHMC	Pennsylvania Historic and Museum Commission
PSHPO	Pennsylvania State Historic Preservation Officer
PM ₁₀	particulate matter, 10 microns or less in diameter
PSA	probabilistic safety analysis; prostate-specific antigen
PSD	prevention of significant deterioration
psig	pounds per square inch above atmospheric pressure
PURTA	Pennsylvania Utility Realty Tax Act
PWR	pressurized water reactor

Abbreviations/Acronyms

RAI	request for additional information
RCIC	reactor core isolation cooling
RCP	reactor coolant pump
rem	special unit of dose equivalent, equal to 0.01 Sv
REMP	radiological environmental monitoring program
RHR	residual heat removal
rms	root mean square
RPHP	Radiation and Public Health Project
RWCU	Reactor Water Cleanup
s	second(s)
SAFSTOR	safe storage (a plant status option during decommissioning)
SAMA	severe accident mitigation alternative
SAR	Safety Analysis Report
SBO	station blackout
SEIS	supplemental environmental impact statement
SER	Safety Evaluation Report
SHPO	State Historic Preservation Office
SIP	state implementation plan
SO ₂	sulfur dioxide
SO _x	sulfur oxide(s)
SRBC	Susquehanna River Basin Commission
Sv	Sievert, special unit of dose equivalent
TBq	terabecquerel(s)
UDB	urban development boundary
UFSAR	Updated Final Safety Analysis Report
UNSCEAR	United Nations Scientific Committee on the Effects of Atomic Radiation
UPS	Uninterruptible Power Supply
U.S.	United States
USCB	U.S. Census Bureau
USC	United States Code
USDA	U.S. Department of Agriculture
w	watt, 1 J/s
yr	year(s)