

Acronyms

A2LA	American Association for Laboratory Accreditation
ACES	Automated Coastal Engineering System
ALARA	as low as reasonably achievable
ANFO	ammonium nitrate fuel oil
ANS	American Nuclear Society
ANSI	American National Standards Institute
ANSS	Advanced National Seismic System
AQCR	Air Quality Control Region
ARD	Automatic Ringdown Circuits
ASCE	American Society of Civil Engineers
ASHRAE	American Society Heating, Refrigerating, and Air-Conditioning
ASME	American Society of Mechanical Engineers
ASTM	American Society for Testing and Materials
ATWS	anticipated transients without scram
bpf	blows per foot
BR	breathing rates
BTP	Branch Technical Position
BWR	Boiling Water Reactor
CB	Control Building
CEM	U.S. Army Corps of Engineers Coastal Engineering Manual
CEUS	central and eastern United States
CFR	Code of Federal Regulations
cfs	cubic feet per second
CIRC	Circulating Water System
CMBBZ	Central Metasedimentary Belt Boundary Zone
CNO	chief nuclear officer
COCORP	Consortium for Continental Reflection Profiling
COL	Combined License

Acronyms

COLA	COL Application
COOP	NWS Cooperative Observation Program
CPT	cone penetrometer tests
CRHAVS	Control Room Habitability Area HVAC Subsystem
CS&TS	Condensate Storage and Transfer System
CSDRS	Certified Seismic Design Response Spectra
CST	Condensate Storage Tank
DBA	design basis accident
DBT	Design-Basis Tornado
DC	Design Certification
DCD	Design Control Document
DE	deaggregation earthquakes
DEM	digital elevation model
DFO	Canada Department of Fisheries and Oceans
D-RAP	design reliability assurance program
DRIWR	Detroit River International Wildlife Refuge
DTM	Digital Terrain Model
EAB	Exclusion Area Boundary
EFU	Emergency Filter Unit
EIS	Environmental Impact Statement
ENC	Electronic Navigational Charts
ENS	Emergency Notification System
EOF	Emergency Operations Facility
EOP	Emergency Operating Procedures
EPC	Engineer, Procure, and Construct
EPRI	Electric Power Research Institute
EPZ	Emergency Planning Zone
EQD	Equipment Qualification Document

Acronyms

ESP	Early Site Permit
ETE	Evacuation Time Estimate
ETR	energy transfer ratio
EWP	Extreme Winter Precipitation
FES	Final Environmental Statements
FFD	Fitness for Duty
FIRS	foundation input response spectra
fps	feet per second
FPS	Fire Protection System
FS	factor of safety
FWSC	Fire Water Service Complex
GE	General Electric
GEH	GE-Hitachi Nuclear Energy Americas, LLC
GFTZ	Grenville Front tectonic zone
GIA	Glacial Isostatic Adjustment
GLERL	NOAA Great Lakes Environmental Research Laboratory
GLIN	Great Lakes Information Network
GMRS	ground motion response spectra
gpd	gallons per day
gpm	gallons per minute
GPS	Global Positioning System
GTG	Generic Technical Guidelines
GW	gigawatts
GWG	generic writer's guide
HCLPFs	High Confidence Low Probability of Failure
HFE	Human Factors Engineering
HP	high-pressure
HSI	Human System Interface

Acronyms

HWCS	Hydrogen Water Chemistry System
I&C	instrumentation and control
IC/PCC	Isolation Condenser/Passive Containment Cooling
ICRP	International Commission on Radiation Protection
IE	NRC Inspection and Enforcement
IEEE	Institute of Electrical and Electronics Engineers
IGLD	international great lakes datum
ILAC	International Laboratory Accreditation Cooperation
IV	independent verification
MRA	Mutual Recognition Arrangement
IRB	Independent Review Body
ISG	Interim Staff Guidance
ISI	inservice inspection
IST	inservice testing
ITAAC	Inspections, Tests, Analyses, and Acceptance Criteria
JPM	job performance measures
ksf	kips per square foot
ksi	kips per square inch
LCD	Local Climatological Data
LCO	limiting conditions for operation
LFL	lower flammability limit
LP	low-pressure
LPZ	Low Population Zone
LWA	Limited Work Authorization
LWMS	Liquid Waste Management System
M&TE	measuring and test equipment
MCR	main control room
MCWB	Mean Coincident Wet-Bulb

Acronyms

MDCT	mechanical draft cooling tower
MDEQ	Michigan Department of Environmental Quality
MDNR	Michigan Department of Natural Resources
MEI	maximally exposed individual
MEP	major enterprise projects
mph	miles per hour
MR	Maintenance Rule
MRA	Mutual Recognition Arrangement
MRCC	Midwestern Regional Climate Center
MSIV	Main Steam Isolation Valve
msl	mean sea level
MSLB	Main Steam Line Break
MWe	megawatts electric
MWS	Makeup Water System
NACE	National Association of Corrosion Engineers
NAVD	North American Vertical Datum
NCDC	National Climatic Data Center
NCEER	National Center for Earthquake Engineering Research
NDCT	natural draft cooling tower
NDE	nondestructive examination
NEI	Nuclear Energy Institute
NEPA	National Environmental Policy Act
NESC	National Electrical Safety Code
NFPA	National Fire Protection Association
NIRMA	Nuclear Information and Records Management Association, Inc.
NGDC	National Geophysical Data Center
NMSZ	New Madrid seismic zone
NOAA	National Oceanic and Atmospheric Administration

Acronyms

NPHS	normal plant heat sink
NRC	U.S. Nuclear Regulatory Commission
NRCS	Natural Resources Conservation Service
NTSB	National Transportation Safety Board
NUPIC	Nuclear Procurement Issues Committee
NVLAP	National Voluntary Laboratory Accreditation Program
NWP	Normal Winter Precipitation
NWS	National Weather Service
OATC	Operator-At-The Controls
OBE	Operating Basis Earthquake
ODCM	Offsite Dose Calculation Manual
OGS	Offgas System
OHLHS	Overhead Heavy Load Handling Systems
OJT	on-the-job training
OSC	Operational Support Center
OSHA	Occupational Safety and Health Act
OSRO	Onsite Safety Review Organization
pcf	pounds per cubic foot
PCP	Process Control Program
PCTMS	Plant Cooling Tower Makeup System
PEER	Pacific Earthquake Engineering Research
PGP	procedures generation package
PIP	Plant Investment Protection
PMF	probable maximum flood
PMP	probable maximum precipitation
PMWP	probable maximum winter precipitation
PMWS	Probable Maximum Windstorm
ppm	parts per million

Acronyms

PSHA	probabilistic seismic hazard analysis
PSWS	Plant Service Water System
PWS	Potable Water System
PWSS	Pretreated Water Supply System
QA	quality assurance
QAP	Quality Assurance Program
QAPD	Quality Assurance Program Description
QC	quality control
RASA	USGS Regional Aquifer-System Analysis
RAT	reserve auxiliary transformers
RB	Reactor Building
RB/FB	Reactor Building/Fuel Building
RCS	reactor coolant system
RCTS	resonant column torsional shear
RERP	Radiological Emergency Response Preparedness
RG	Regulatory Guide
RO	reactor operator
RO	reverse osmosis
RP	radiation protection
RPT	radiation protection technician
RQD	rock quality designation
RTNSS	Regulatory Treatment of Non-Safety Systems
RWCU	Reactor Water Cleanup
SARA	Superfund Amendments and Reauthorization Act
SASW	spectra analysis of surface waves
SBO	station blackout
scfm	standard cubic feet per minute
scfw	standard cubic feet per week

Acronyms

SDWIS	Safe Drinking Water Information System
SEI	Structural Engineering Institute
SEMCOG	Southeast Michigan Council of Governments
SHEEF	Seismic Hazard Earthquake Epicenter File
SOG	Seismic Owners Group
SPT	standard penetration test
SRP	Standard Review Plan
SS	site-specific
SSCs	structures, systems, and components
SSE	Safe Shutdown Earthquake
STA	Shift Technical Advisor
SUNSI	sensitive unclassified non-safeguards information
SV	simultaneous verification
SWDS	Sanitary Waste Discharge System
SWS	Station Water System
SWST	station water storage tank
TCCWS	Turbine Component Cooling Water System
TG	Technical Guide
TSC	Technical Support Center
UAT	unit auxiliary transformer
UFL	upper flammability limit
UFSAR	Updated Final Safety Analysis Report
UHRS	uniform hazard response spectra
UHS	ultimate heat sink
USCS	Unified Soil Classification System
USFWS	U.S. Fish and Wildlife Service
USGS	U.S. Geological Survey
UTM	Universal Transverse Mercator

Acronyms

V&V	verification and validation
V_p	compression wave velocity
V_s	shear wave velocity
WVSZ	Wabash Valley seismic zone