

Acronyms

ACES	Automated Coastal Engineering System
AHS	auxiliary heat sink
ALARA	as low as reasonably achievable
ANFO	ammonium nitrate fuel oil
ANS	American Nuclear Society
ANSS	Advanced National Seismic System
AOC	Area of Concern
APE	area of potential effect
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
AST	Aboveground Storage Tank
ASTM	American Society for Testing and Materials
BCA	benefit-cost analysis
BCD	binary-coded decimal
BMP	best management practices
bpf	blows per foot
BR	breathing rates
BTP	Branch Technical Position
BUI	beneficial use impairment
BWR	Boiling Water Reactor
CAFO	Confined Animal Feeding Operations
CB	Control Building
CBG	Census Block Group
CEM	U.S. Army Corps of Engineers Coastal Engineering Manual
CEQ	Council of Environmental Quality

Acronyms

CEUS	central and eastern United States
CEW	Coastal Emergent Wetland
CFR	Code of Federal Regulations
cfs	cubic feet per second
CIRC	Circulating Water System
CMBBZ	Central Metasedimentary Belt Boundary Zone
CNO	chief nuclear officer
CO ₂	carbon dioxide
COCORP	Consortium for Continental Reflection Profiling
COL	Combined License
COLA	COL Application
COOP	NWS Cooperative Observation Program
CPT	cone penetrometer tests
CRHAVS	Control Room Habitability Area HVAC Subsystem
CORMIX	Cornell Mixing Zone Expert System
CS&TS	Condensate Storage and Transfer System
CSDRS	Certified Seismic Design Response Spectra
CST	Condensate Storage Tank
CWA	Clean Water Act
CZMA	Coastal Zone Management Act
DA	Developed Area
dBA	decibel (A-weighted)
DBA	design basis accident
DBT	Design-Basis Tornado
DC	Design Certification
DCD	Design Control Document
DE	deaggregation earthquakes
DEM	digital elevation model

Acronyms

DFO	Canada Department of Fisheries and Oceans
DOD	Department of Defense
DOE	Department of Energy
D-RAP	design reliability assurance program
DRIWR	Detroit River International Wildlife Refuge
DTM	Digital Terrain Model
EAB	Exclusion Area Boundary
ECCS	Emergency Core Cooling Systems
EFH	Essential Fish Habitat
EFU	Emergency Filter Unit
EIS	Environmental Impact Statement
ENC	Electronic Navigational Charts
ENS	Emergency Notification System
EOF	Emergency Operations Facility
EOP	Emergency Operating Procedures
EPA	Environmental Protection Agency
EPC	Engineer, Procure, and Construct
EPRI	Electric Power Research Institute
EPZ	Emergency Planning Zone
EQD	Equipment Qualification Document
ER	Environmental Report
ERDS	Emergency Response Data System
ESF	Engineered Safety Features
ESP	Early Site Permit
ETE	Evacuation Time Estimate”
ETR	energy transfer ratio
FAA	Federal Aviation Administration
FCS	Forest: Coastal Shoreline

Acronyms

FEMA	Federal Emergency Management Agency
FERC	Federal Energy Regulatory Commission
FES	Final Environmental Statements
FFD	Fitness for Duty
FIRS	foundation input response spectra
FLH	Forest: Lowland Hardwood
fps	feet per second
FPS	Fire Protection System
FS	factor of safety
FWL	Forest: Woodlot
FWSC	Fire Water Service Complex
FWPCA	Federal Water Pollution Control Act
GE	General Electric
GEH	GE-Hitachi Nuclear Energy Americas, LLC
GEIS	Generic Environmental Impact Statement
GFTZ	Grenville Front tectonic zone
GIA	Glacial Isostatic Adjustment
g/kWh	grams per kilowatt-hour
GLCFS	Great Lakes Coastal Forecasting System
GLEND	Great Lakes Environmental Database
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
GOF	Grassland: Idle/Old Field/Planted
GPS	Global Positioning System
GRC	Grassland: Row Crop

Acronyms

GRW	Grassland: Right-of-Way
GTG	Generic Technical Guidelines
GW	gigawatts
GWG	generic writer's guide
GWMS	Gaseous Waste Management System
HCLPFs	High Confidence Low Probability of Failure
HEPA	high efficiency particulate air
HFE	Human Factors Engineering
HP	high-pressure
HSI	Human System Interface
HVAC	heating, ventilation, and air conditioning
HWCS	Hydrogen Water Chemistry System
I&C	instrumentation and control
IC/PCC	Isolation Condenser/Passive Containment Cooling
ICRP	International Commission on Radiation Protection
ISFSI	independent spent fuel storage installation
IE	NRC Inspection and Enforcement
IEEE	Institute of Electrical and Electronics Engineers
IGLD	international great lakes datum
IPCS	Integrated Plant Computer System
IRB	Independent Review Body
ISI	inservice inspection
IST	inservice testing
JD	Jurisdictional Determination
JPM	job performance measures
ksf	kips per square foot
ksi	kips per square inch
kV	kilovolt

Acronyms

kV/m	kilovolt per meter
LaMP	Lake Management Plan
lb	pound
LCD	Local Climatological Data
LCO	limiting conditions for operation
LEOFS	Lake Erie Observational Forecast System
LFL	lower flammability limit
LLD	lower limit of detection
LLMW	low level mixed waste
LP	low-pressure
LPR	Lakes, Ponds, Rivers
LPZ	Low Population Zone
LWA	Limited Work Authorization
LWMS	Liquid Waste Management System
MAP	Michigan Association of Planning
MCR	main control room
MDA	Michigan Department of Agriculture
MDCT	mechanical draft cooling tower
MDEQ	Michigan Department of Environmental Quality
MDNR	Michigan Department of Natural Resources
MDOT	Michigan Department of Transportation
MEI	maximally exposed individual
Midwest ISO	Midwest Independent System Operator
mph	miles per hour
MR	Maintenance Rule
MRCC	Midwestern Regional Climate Center
mrem	millirem
MSDS	Material Safety Data Sheet
MSIV	Main Steam Isolation Valve

Acronyms

msl	mean sea level
MSLB	Main Steam Line Break
MTU	metric ton of uranium
MW	megawatt
MWd/MTU	megawatt-day per metric ton of uranium
MWe	megawatts electric
MWt	megawatts thermal
MWS	Makeup Water System
NACE	National Association of Corrosion Engineers
NAAQS	National Ambient Air Quality Standards
NASS	National Agricultural Statistics Service
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
NGDC	National Geophysical Data Center
NI&C	Nuclear Instrumentation and Control
NMSZ	New Madrid seismic zone
NOAA	National Oceanic and Atmospheric Administration
NPDES	National Pollutant Discharge Elimination System
NPHS	normal plant heat sink
NRC	U. S. Nuclear Regulatory Commission
NRCS	Natural Resources Conservation Service

Acronyms

NRHP	National Register of Historic Places
NTSB	National Transportation Safety Board
NWIS	National Water Information System
NWS	National Weather Service
O&M	operation and maintenance
OATC	Operator-At-The Controls
OBE	Operating Basis Earthquake
OCA	Owner Controlled Area
ODCM	Offsite Dose Calculation Manual
OGS	Offgas System
OHLHS	Overhead Heavy Load Handling Systems
OJT	on-the-job training
OMAFRA	Ontario Ministry of Agriculture, Food and Rural Affairs
OSA	Office of the State Archaeologist
OSC	Operational Support Center
OSHA	Occupational Safety and Health Act
OSRO	Onsite Safety Review Organization
PAF	protected area fence
PCB	polychlorinated biphenyls
pcf	pounds per cubic foot
PCP	Process Control Program
PCTMS	Plant Cooling Tower Makeup System
PEER	Pacific Earthquake Engineering Research
PEM	palustrine emergent marsh
PFO	forested wetland
PGP	procedures generation package
PIP	Plant Investment Protection
PIPP	Pollution Incident Prevention Plan

Acronyms

PMF	probable maximum flood
PMP	probable maximum precipitation
PMWP	probable maximum winter precipitation
ppm	parts per million
PS	Public Service
PSHA	probabilistic seismic hazard analysis
PSS	scrub-shrub wetland
PSWS	Plant Service Water System
PWS	Potable Water System
PWSS	Pretreated Water Supply System
QA	quality assurance
QAPD	Quality Assurance Program Description
QC	quality control
RADTRAN	Radioactive Material Transportation
RAP	Remedial Action Plan
RASA	USGS Regional Aquifer-System Analysis
RAT	reserve auxiliary transformers
RB	Reactor Building
RB/FB	Reactor Building/Fuel Building
RCCWS	Reactor Component Cooling Water System
RCRA	Resource Conservation and Recovery Act
RCS	Reactor Coolant System
RCTS	resonant column torsional shear
rem	roentgen equivalent man
REMP	Radiological Environmental Monitoring Program
RERP	Radiological Emergency Response Preparedness
RG	Regulatory Guide
RIMS II	Regional Input-Output Modeling System

Acronyms

RO	reactor operator
RO	reverse osmosis
ROW	right-of-way
RP	radiation protection
RP	radiation protection
RPT	radiation protection technician
RQD	rock quality designation
RRAC	Rouge River Advisory Council
RTNSS	Regulatory Treatment of Non-Safety Systems
RWCU	Reactor Water Cleanup
SARA	Superfund Amendments and Reauthorization Act
SASW	spectra analysis of surface waves
scfm	standard cubic feet per minute
scfw	standard cubic feet per week
SDG	standby diesel generators
SDWIS	Safe Drinking Water Information System
SEI	Structural Engineering Institute
SEMCOG	Southeast Michigan Council of Governments
SESC	Soil Erosion and Sedimentation Control
SHB	Shrubland
SHEEF	Seismic Hazard Earthquake Epicenter File
SHPO	State Historic Preservation Officer
SOG	Seismic Owners Group
SPT	standard penetration test
SRP	Standard Review Plan
SS	site-specific
SSA	Sole Source Aquifer
SSCs	structures, systems, and components

Acronyms

SSE	Safe Shutdown Earthquake
STA	Shift Technical Advisor
STORET	STOrage and RETrieval database
SUNSI	sensitive unclassified non-safeguards information
SWDS	Sanitary Waste Discharge System
SWMS	Solid Waste Management System
SWS	Station Water System
SWST	station water storage tank
T&E	threatened and endangered
TBS	Turbine Bypass System
TCCWS	Turbine Component Cooling Water System
TCDD	2,3,7,8-Tetrachlorodibenzo-p-Dioxin
TKT	Thicket
TLD	thermoluminescent dosimeter
TMACOG	Toledo Metropolitan Area Council of Governments
TMDL	Total Maximum Daily Load
TRC	Total Residual Chlorine
TSC	Technical Support Center
TSS	Total Suspended Solids
UAT	unit auxiliary transformer
UFL	upper flammability limit
UFSAR	Updated Final Safety Analysis Report
UHRS	uniform hazard response spectra
UHS	ultimate heat sink
USACE	U.S. Army Corps of Engineers
USCS	Unified Soil Classification System
USFWS	U.S. Fish and Wildlife Service
USGS	U.S. Geological Survey

Acronyms

UTM	Universal Transverse Mercator
V&V	verification and validation
Vp	compression wave velocity
Vs	shear wave velocity
VOC	volatile organic compound
WQC	Water Quality Certification
WVSZ	Wabash Valley seismic zone
WWTP	Wastewater Treatment Plant