

## Acronyms, Abbreviations, and Symbols

AADT	Annual average daily traffic
AAS	Associate in applied science
ACL	Administrative Control Level
AEA	Atomic Energy Act
AMH	Advance Med Hanford
ARAR	Applicable or Relevant and Appropriate Requirements
ARPA	Archaeological Resources Protection Act
BCAA	Benton Clean Air Authority
BCRFD	Benton County Rural Fire Department
BFCOG	Benton Franklin Council of Governments
BFT	Benton Franklin Transit
BLS	Bureau of Labor Statistics
BNI	Bechtel National Inc.
BNSF	Burlington Northern & Santa Fe Railway
BPA	Bonneville Power Administration
CAA	Clean Air Act
CBC	Columbia Basin College
CCP	Comprehensive Conservation Plan
CEQ	Council on Environmental Quality
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CFR	Code of Federal Regulations
Corps	U.S. Army Corps of Engineers
CREHST	Columbia River Exhibition of History, Science and Technology
CWA	Clean Water Act
dB	Decibels
dBA	A-weighted sound level
DCG	Derived concentration guides
DOC	U.S. Department of Commerce
DOE	U.S. Department of Energy
DOE-ORP	U.S. Department of Energy Office of River Protection
DOE/RL	U.S. Department of Energy, Richland Operations Office
DOH	Washington State Department of Health
DOI	U.S. Department of the Interior
DOL	U.S. Department of Labor
DWS	Drinking water standards
E/Q	Atmospheric dispersion estimates
EA	Environmental assessment
EC	Environmental concern
Ecology	Washington State Department of Ecology
EDNA	Environmental designation for noise abatement
EIS	Environmental Impact Statement
EJ	Environmental justice
EMC	Ecological Monitoring and Compliance
EMT	Emergency medical technician
EO	Environmental Objections
E.O.	Executive Order

## Acronyms, Abbreviations, and Symbols (cont'd.)

EPA	U.S. Environmental Protection Agency
EPCRA	Emergency Planning and Community Right-To-Know Act
ESA	Endangered Species Act
ESU	Evolutionary significant units
EU	Environmentally unsatisfactory
FEMA	Federal Emergency Management Agency
FFTF	Fast Flux Test Facility
FR	Federal Register
FY	Fiscal Year
GENII	Generation II Model for Environmental Dose Calculations
GIS	Geographic Information System
HABS	Historic American Buildings Survey
HAER	Historic American Engineering Record
HAMMER	Hazardous Materials Management and Emergency Response
HCP-EIS	Hanford Comprehensive Land-Use Plan Environmental Impact Statement
HCRL	Hanford Cultural Resources Laboratory
HEHF	Hanford Environmental Health Foundation
Historic District	Hanford Site Manhattan Project and Cold War Era Historic District
HMS	Hanford Meteorology Station
Hz	Hertz
I	Interstate
JOA	Joint Operating Agency
kWh	Kilowatt-hour
$L_{eq}$	Equivalent sound level
LIGO	Laser Interferometer Gravitational Wave Observatory
LLWPA	Low-Level Radioactive Waste Policy Act
LMEA	Labor Market and Economic Analysis
LO	Lack of objections
LOS	Level of service
LWC	Lost workday cases
LWD	Lost workdays
MCL	Maximum contaminant levels
MEI	Maximally exposed individual
MMI	Modified Mercalli intensity
MW	Megawatt
NAAQS	National Ambient Air Quality Standards
National Register	National Register of Historic Places
NEPA	National Environmental Policy Act
NESHAP	National Emission Standards for Hazardous Air Pollutants
NHPA	National Historic Preservation Act
NPDES	National Pollutant Discharge Elimination System
NPL	National Priorities List
NPR	New Production Reactor
NRC	U.S. Nuclear Regulatory Commission
NWPA	Nuclear Waste Policy Act
NWPPA	Northwest Public Power Association
OFM	Office of Financial Management (Washington State)

## Acronyms, Abbreviations, and Symbols (cont'd.)

ORP	Office of River Protection (Department of Energy)
OSHA	Occupational Safety and Health Administration
OTED	Washington State Office of Trade and Economic Development
PCB	Polychlorinated biphenyls
PFP	Plutonium Finishing Plant
PL	Public law
PM <sub>2.5</sub>	Particulate matter (2.5 µm or less)
PM <sub>10</sub>	Particulate matter (10 µm or less)
PNNL	Pacific Northwest National Laboratory
PSD	Prevention of significant deterioration
PUREX	Plutonium-uranium extraction
RCRA	Resource Conservation and Recovery Act
RCW	Revised Code of Washington
REIS	Regional Economic Information System
RL	Richland Operations Office (Department of Energy)
RM	River mile
ROD	Record of Decision
SALDS	State-approved land disposal structure
SARA	Superfund Amendments and Reauthorization Act
SDWA	Safe Drinking Water Act
SEPA	State Environmental Policy Act (Washington)
SESP	Surface Environmental Surveillance Project
SIP	State Implementation Plan
SR	State route
TCP	Traditional Cultural Place
TEDE	Total effective dose equivalent
TEDF	Treated Effluent Disposal Facility
TRC	Total recordable cases
Tri-Cities	Kennewick, Pasco, and Richland, Washington
Tri-Party Agreement	Hanford Federal Facility Agreement and Consent Order
TSCA	Toxic Substances Control Act
TSD	Treatment, storage, and/or disposal
UO <sub>3</sub>	Uranium trioxide
USC	Unlisted States Code
USFWS	U.S. Fish and Wildlife Service
USGS	U.S. Geological Survey
WAC	Washington Administrative Code
WDFW	Washington State Department of Fish and Wildlife
WNP	Washington nuclear plant
WSU-TC	Washington State University, Tri-Cities
X/Q'	Atmospheric dispersion coefficient

## Acronyms, Abbreviations, and Symbols (cont'd.)

### Names and Symbols for Units of Measure, Radioactivity, Time, and Mathematical Terms

<p><b>Length</b></p> <p>cm centimeter ft foot in. inch km kilometer m meter mi mile mm millimeter</p>	<p><b>Area</b></p> <p>km<sup>2</sup> square kilometer mi<sup>2</sup> square mile ac acre ha hectare</p>	<p><b>Volume</b></p> <p>m<sup>3</sup> cubic meter gal gallon L liter</p>	<p><b>Time/Speed</b></p> <p>s second hr hour yr year mph miles per hour m/s meters per second g acceleration of gravity</p>
<p><b>Radioactivity/ Radiation Dose</b></p> <p>Ci curie pCi picocurie mrem millirem Bq becquerel Sv sievert Gy gray</p>	<p><b>Temperature</b></p> <p>°C degrees Celsius °F degrees Fahrenheit</p> <hr/> <p><b>Chemical</b></p> <p>M molar</p>	<p><b>Mathematical</b></p> <p>&gt; greater than ≥ greater than or equal to &lt; less than ≤ less than or equal to ~ approximately avg average max maximum min minimum</p>	<p><b>Mass</b></p> <p>g gram kg kilogram mg milligram μg microgram</p> <hr/> <p><b>Concentration</b></p> <p>ppm parts per million</p>