

## Acronyms/Abbreviations

AADT	annual average daily traffic
AEA	Atomic Energy Act
AEC	U.S. Atomic Energy Commission
ALARA	as low as reasonably achievable
ALE	Fitzner/Eberhardt Arid Lands Ecology (Reserve)
ANSI	American National Standards Institute
APL	Accelerated Process Line
ARAR	applicable or relevant and appropriate requirement
ATG	Allied Technology Group, Inc.
BCAA	Benton Clean Air Authority
BCF	bioconcentration factor
BDAT	best demonstrated available technology
BHI	Bechtel Hanford, Inc.
BLS	Bureau of Labor Statistics
BNSF	Burlington Northern and Santa Fe Railway
BPA	(U.S. Department of Energy) Bonneville Power Administration
BRMiS	Hanford Site Biological Resources Mitigation Strategy
BRMaP	Hanford Site Biological Resources Management Plan
BWIP	Basalt Waste Isolation Project
C3T	cleanup, constraint, and challenges team
CAA	Clean Air Act
CAIRS	Computerized Accident/Incident Reporting System
Cat 1	Category 1 low-level waste (Hanford Site)
Cat 3	Category 3 low-level waste (Hanford Site)
CBC	Columbia Basin College
CCP	Comprehensive Conservation Plan
CDE	committed dose equivalent
CEDE	committed effective dose equivalent
CEQ	Council on Environmental Quality
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CFEST	Coupled Fluid, Energy, and Solute Transport (computer code)
CFR	Code of Federal Regulations
CH	contact-handled
Ci	curie(s)
CNSS	Council of the National Seismic System
CO	carbon monoxide
CRCIA	Columbia River Comprehensive Impact Assessment
CRD	Comment Response Document

CSB	Canister Storage Building
CWC	Central Waste Complex
D&D	decontamination and decommissioning
dB	decibel(s)
dBA	A-weighted decibel(s)
DCG	derived concentration guide
DEIS	Draft Environmental Impact Statement
D <sub>l</sub>	longitudinal dispersivity
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
DOL	U.S. Department of Labor
DOT	U.S. Department of Transportation
D <sub>t</sub>	transverse dispersivity
DWS	drinking water standard
EA	environmental assessment
ECAMP	Ecological Compliance Assessment Management Plan
ECEM	Ecological Contaminant Exposure Model (computer code)
Ecology	Washington State Department of Ecology
EDE	effective dose equivalent
EDNA	environmental designation for noise abatement
EH	U.S. Department of Energy Office of Environment, Safety and Health
EHQ	environmental hazard quotient
EIS	environmental impact statement
EM	U.S. Department of Energy Office of Environmental Management
EMI	environmental management integration
EMSL	Environmental and Molecular Sciences Laboratory
ENCO	enterprise companies
EOC	Emergency Operations Center
EPA	U.S. Environmental Protection Agency
ERDA	U.S. Energy Research and Development Administration
ER	environmental restoration
ERDF	Environmental Restoration Disposal Facility
ERPG	Emergency Response Planning Guideline
ERTC	Effluent Retention and Treatment Complex
ESA	Endangered Species Act
ESU	Evolutionarily Significant Unit
ETF	200 Area Effluent Treatment Facility
FEMA	Federal Emergency Management Agency
FFS	focused feasibility study
FFTF	Fast Flux Test Facility

FH	Fluor Hanford, Inc.
FONSI	finding of no significant impact
FR	<i>Federal Register</i>
FRAMES	Framework for Risk Analysis in Multimedia Environmental Systems (computer code)
FTE	full-time equivalent (or full-time employee)
FWS	U.S. Fish and Wildlife Service
FY	fiscal year
GC	U.S. Department of Energy Office of General Counsel
GIS	geographic information system
GOCO	government-owned contractor-operated
GPS	global positioning system
GTC3	greater than Category 3 low-level waste (Hanford Site)
GTCC	greater than Class C low-level waste (NRC)
HAMMER	Hazardous Materials Management and Emergency Response Facility (Volpentest Training and Education Center)
HCP EIS	Hanford Comprehensive Land-Use Plan Environmental Impact Statement
HCRC	Hanford Cultural Resources Case
HCRL	Hanford Cultural Resources Laboratory
HDPE	high-density polyethylene
HDW EIS	Disposal of Hanford Defense High-Level, Transuranic, and Tank Wastes Environmental Impact Statement
HEHF	Hanford Environmental Health Foundation
HEPA	high-efficiency particulate air
HIC	high-integrity container
HLW	high-level (radioactive) waste
HMS	Hanford Meteorology Station
HPMP	Hanford Performance Management Plan
HPPE	high-density polyethylene
HSRAM	Hanford Site Risk Assessment Methodology
HSSWAC	Hanford Site solid waste acceptance criteria
HSW	Hanford solid waste within Hanford Solid Waste Program
HSW EIS	Hanford Site Solid (Radioactive and Hazardous) Waste Program Environmental Impact Statement
HTWOS	Hanford Tank Waste Operating System
HW	hazardous waste
HWMA	Washington State Hazardous Waste Management Act
HWMP	Hanford Waste Management Program
HWVP	Hanford Waste Vitrification Project
Hz	hertz

ICRP	International Commission on Radiological Protection
IDF	integrated disposal facility
IDLH	Immediately Dangerous to Life and Health
ILAW	immobilized low-activity waste
IPABS	Integrated Planning, Accountability and Budgeting System
ISCST3	Industrial Source Complex Short-Term Model, version 3 (computer code)
ISO	International Standards Organization
ISS	interim safe storage
$K_d$	distribution coefficient for partitioning of contaminants in soil
LCF	latent cancer fatality
LC50	chemical concentration reported to be lethal to 50 percent of the exposed organisms after some period of exposure, usually a few hours to a few days
LD50	dose reported to be lethal to 50 percent of the exposed organisms after some period of exposure, usually a few hours to a few days
LDR	Land Disposal Restriction
LEPC	Local Emergency Planning Committee
LERF	Liquid Effluent Retention Facility
LIGO	Laser Interferometer Gravitational-Wave Observatory
LLBG	Low Level Burial Ground
LLW	low-level (radioactive) waste
LLW MA	low-level waste management area
LMF	lined modular facility
LOA	line of analysis
LOEC	lowest observed effects concentration
LOEL	lowest observed effects level
LOS	level of service
LWC	lost workday case
LWD	lost workday
M&O	management and operations
MASS2	Modular Aquatic Simulation System 2 (computer code)
MBTA	Migratory Bird Treaty Act
MCL	maximum contaminant level
MEI	maximally exposed individual
MEK	methyl ethyl ketone
MEPAS	Multimedia Environmental Pollutant Assessment System
MLLW	mixed low-level waste
MMEDE	Multimedia-Modeling Environmental Database Editor (computer code)
MMI	Modified Mercalli Intensity
MT	metric ton(s) (tonnes)
MTCA	Model Toxics Control Act
MTG	minimum technology guidance
MTU	metric tons of uranium

NAAQS	National Ambient Air Quality Standards
National Register	National Register of Historic Places
NCRP	National Council on Radiation Protection and Measurements
NDA	non-destructive assay
NDE	non-destructive examination
ND	not detected
NE	no emissions
NEPA	National Environmental Policy Act
NESHAPs	National Emission Standards for Hazardous Air Pollutants
NIOSH	National Institute for Occupational Safety and Health
NM	not measured
NMFS	National Marine Fisheries Service
NO <sub>2</sub>	nitrogen dioxide
NOA	Notice of Availability
NOAEL	no observed adverse effects level
NOC	Notice of Construction
NOE	Notice of Extension
NOI	Notice of Intent
NPDES	National Pollutant Discharge Elimination System
NPS	National Park Service
NRC	U.S. Nuclear Regulatory Commission
NS	no standard
NTS	Nevada Test Site
NWPF	new waste processing facility
NWS	National Weather Service
OAR	Oregon Administrative Rule
OCF	offsite commercial facility
OFM	Office of Financial Management
ORP	(U.S. Department of Energy) Office of River Protection
ORR	(U.S. Department of Energy) Oak Ridge Reservation
OSHA	U.S. Occupational Safety and Health Administration
PA	performance assessment
PCB	polychlorinated biphenyl
pCi	picocurie(s)
PEIS	Programmatic Environmental Impact Statement
PEL	permissible exposure level
PFP	Plutonium Finishing Plant
PHMC	Project Hanford Management Contract
PM	particulate matter
PM <sub>10</sub>	particulate matter with aerodynamic diameters 10 µm or smaller
PNNL	Pacific Northwest National Laboratory
ppm	parts per million

PSD	prevention of significant deterioration
Pu	plutonium
PUREX	Plutonium-Uranium Extraction Facility
R	roentgen
R&D	research and development
RADTRAN	Radioactive Transportation Risk Analysis (computer code)
RCRA	Resource Conservation and Recovery Act
RCT	radiological control technician
RCW	Revised Code of Washington
REIS	Regional Economic Information System
R <sub>f</sub>	contaminant retardation factors
RfD	reference dose
RH	remote-handled
RIMS	Regional Input-Output Modeling System (computer code)
RL	(U.S. Department of Energy) Richland Operations Office
ROD	Record of Decision
RPP	River Protection Project
SA	safety analysis
SAC	System Assessment Capability (computer code)
SALDS	State-Approved Land Disposal Structure
SC	species of concern
SCAPA	Subcommittee on Consequence Assessment and Protective Actions
SEIS	Supplemental Environmental Impact Statement
SEPA	State (of Washington) Environmental Policy Act
SERC	State Emergency Response Commission
SI	Le Système International d'Unites (International System of Units [metric system])
SIP	state implementation plan
SLD	shallow land disposal
SNF	spent nuclear fuel
SO <sub>2</sub>	sulfur dioxide
SR	State Route
SRS	(U.S. Department of Energy) Savannah River Site
SST	single-shell tank
STOMP	Subsurface Transport Over Multiple Phases (computer code)
STP	site treatment plan
SWB	standard waste box
SWBG	solid waste burial ground
SWIFT	Solid Waste Integrated Forecast Technical (report)
SWITS	Solid Waste Information and Tracking System
SWOC	Solid Waste Operations Complex

T&E	threatened and endangered (biological species designation)
TCP	traditional cultural property
TD	temperature difference
TEDE	total effective dose equivalent
TEDF	200 Area Treated Effluent Disposal Facility
TEEL	Temporary Emergency Exposure Limit
TI	Transportation Index
TLV	threshold limit value
TNC	The Nature Conservancy (of Washington)
TPA	Tri-Party Agreement (Hanford Federal Facility Agreement and Consent Order)
TRAGIS	Transportation Routing Analysis Geographic Information System (computer code)
TRC	total recordable case
TRIGA	Test Reactor and Isotope Production General Atomics
TRU	transuranic
TRUPACT-II	Transuranic Package Transporter-II
TRUSAF	Transuranic Storage and Assay Facility
TSCA	Toxic Substances Control Act
TSD	treatment, storage, and/or disposal
TSP	total suspended particulates
TWRS	Tank Waste Remediation System
UPR	unplanned release
UO <sub>3</sub>	uranium trioxide
USC	United States Code
USGS	U.S. Geological Survey
UW	University of Washington
UWGP	University of Washington Geophysics Program
VADER	VADose zone Environmental Release (computer code)
VOC	volatile organic compound
WAC	Washington Administrative Code
WDFW	Washington State Department of Fish and Wildlife
WDOH	Washington State Department of Health
WESF	Waste Encapsulation and Storage Facility
WHC	Westinghouse Hanford Company
WIF	well intercept factor
WIPP	Waste Isolation Pilot Plant
WIPP SEIS2	Waste Isolation Pilot Plant Disposal Phase Final Supplemental Environmental Impact Statement
WM	waste management
WM PEIS	Waste Management Programmatic Environmental Impact Statement
WNHP	Washington Natural Heritage Program

WRAP  
WSU-TC  
WTP

Waste Receiving and Processing Facility  
Washington State University – Tri-Cities Branch Campus  
waste treatment plant