

## Acronyms/Abbreviations

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3		
4	AADT	annual average daily traffic
5	ADT	annual average daily traffic
6	AEA	Atomic Energy Act
7	AEC	U.S. Atomic Energy Commission
8	ALARA	as low as reasonably achievable
9	ALE	Fitzner/Eberhardt Arid Lands Ecology (Reserve)
10	ANSI	American National Standards Institute
11	APL	Accelerated Process Line
12	ARAR	applicable or relevant and appropriate requirement
13	ATG	Allied Technology Group, Inc.
14		
15	BCAA	Benton Clean Air Authority
16	BCF	bioconcentration factor
17	BDAT	best demonstrated available technology
18	BHI	Bechtel Hanford, Inc.
19	BLS	Bureau of Labor Statistics
20	BNSF	Burlington Northern Santa Fe (railroad)
21	BPA	(U.S. Department of Energy) Bonneville Power Administration
22	BRMiS	Hanford Site Biological Resources Mitigation Strategy
23	BRMaP	Hanford Site Biological Resources Management Plan
24	BWIP	Basalt Waste Isolation Project
25		
26	C3T	cleanup, constraint, and challenges team
27	CAA	Clean Air Act
28	CAIRS	Computerized Accident/Incident Reporting System
29	Cat 1	Category 1 (low-level waste)
30	Cat 3	Category 3 (low-level waste)
31	CBC	Columbia Basin College
32	CCP	Comprehensive Conservation Plan
33	CEQ	Council on Environmental Quality
34	CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
35	CFEST	Coupled Fluid, Energy, and Solute Transport (computer code)
36	CFR	Code of Federal Regulations
37	CH	contact-handled
38	Ci	curie(s)
39	CNSS	Council of the National Seismic System
40	CO	carbon monoxide
41	CRCIA	Columbia River Comprehensive Impact Assessment
42	CSB	Canister Storage Building
43	CWC	Central Waste Complex
44		

1	D&D	decontamination and decommissioning
2	dB	decibel(s)
3	dBA	A-weighted decibel(s)
4	DCG	derived concentration guide
5	DEIS	Draft Environmental Impact Statement
6	D <sub>l</sub>	longitudinal dispersivity
7	DOE	U.S. Department of Energy
8	DOE-ORP	U.S. Department of Energy, Office of River Protection
9	DOE-RL	U.S. Department of Energy, Richland Operations Office
10	DOL	U.S. Department of Labor
11	DOT	U.S. Department of Transportation
12	D <sub>t</sub>	transverse dispersivity
13	DWS	drinking water standard
14		
15	EA	environmental assessment
16	ECAMP	Ecological Compliance Assessment Management Plan
17	ECEM	Ecological Contaminant Exposure Model (computer code)
18	Ecology	Washington State Department of Ecology
19	EDE	effective dose equivalent
20	EDNA	environmental designation for noise abatement
21	EHQ	environmental hazard quotient
22	EIS	environmental impact statement
23	EM	U.S. Department of Energy Office of Environmental Management
24	EMI	environmental management integration
25	EMSL	Environmental and Molecular Sciences Laboratory
26	ENCO	enterprise companies
27	EOC	Emergency Operations Center
28	EPA	U.S. Environmental Protection Agency
29	E/Q	dispersion factor(s)
30	ERDA	U.S. Energy Research and Development Administration
31	ER	environmental restoration
32	ERDF	Environmental Restoration Disposal Facility
33	ERPG	Emergency Response Planning Guideline
34	ERTC	Effluent Retention and Treatment Complex
35	ESA	Endangered Species Act
36	ESU	Evolutionarily Significant Unit
37	ET	evapotranspiration
38	ETF	200 Area Effluent Treatment Facility
39		
40	FEMA	Federal Emergency Management Agency
41	FFS	focused feasibility study
42	FFTF	Fast Flux Test Facility
43	FH	Fluor Hanford, Inc.
44	FONSI	finding of no significant impact

1	FR	<i>Federal Register</i>
2	FRAMES	Framework for Risk Analysis in Multimedia Environmental Systems
3		(computer code)
4	FTE	full-time equivalent (or full-time employee)
5	FWS	U.S. Fish and Wildlife Service
6	FY	fiscal year
7		
8	GIS	geographic information system
9	GOCO	government-owned contractor-operated
10	GPS	global positioning system
11	GTC3	greater than Category 3 (low-level waste)
12	GTCC	greater than Class C
13		
14	HAMMER	Hazardous Materials Management and Emergency Response Facility
15		(Volpentest Training and Education Center)
16	HCP EIS	Hanford Comprehensive Land-Use Plan Environmental Impact Statement
17	HCRC	Hanford Cultural Resources Case
18	HCRL	Hanford Cultural Resources Laboratory
19	HDW EIS	Disposal of Hanford Defense High-Level, Transuranic, and Tank Wastes
20		Environmental Impact Statement
21	HEHF	Hanford Environmental Health Foundation
22	HEPA	high-efficiency particulate air
23	HIC	high-integrity container
24	HLW	high-level (radioactive) waste
25	HMS	Hanford Meteorology Station
26	HPMP	Hanford Performance Management Plan
27	HPPE	high-density polyethylene
28	HSRAM	Hanford Site Risk Assessment Methodology
29	HSSWAC	Hanford Site solid waste acceptance criteria
30	HSW	Hanford solid waste
31	HSW EIS	Hanford Site Solid (Radioactive and Hazardous) Waste Program
32		Environmental Impact Statement
33	HTWOS	Hanford Tank Waste Operating System
34	HW	hazardous waste
35	HWMA	Washington State Hazardous Waste Management Act
36	HWMP	Hanford Waste Management Program
37	HWVP	Hanford Waste Vitrification Project
38	Hz	hertz
39		
40	I&I	irreversible and irretrievable
41	ICRP	International Commission on Radiological Protection
42	IDLH	Immediately Dangerous to Life and Health
43	ILAW	immobilized low-activity waste
44	IPABS	Integrated Planning, Accountability and Budgeting System

1	ISCST3	Industrial Source Complex Short-Term Model, version 3 (computer code)
2	ISO	International Standards Organization
3	ISS	interim safe storage
4		
5	K <sub>d</sub>	distribution coefficient for partitioning of contaminants in soil
6		
7	LCF	latent cancer fatality
8	LC50	chemical concentration reported to be lethal to 50 percent of the exposed
9		organisms after some period of exposure, usually a few hours to a few days
10	LD50	dose reported to be lethal to 50 percent of the exposed organisms after some
11		period of exposure, usually a few hours to a few days
12	LDR	Land Disposal Restriction
13	LEPC	Local Emergency Planning Committee
14	LERF	Liquid Effluent Retention Facility
15	LIGO	Laser Interferometer Gravitational Wave Observatory
16	LLBG	Low Level Burial Ground
17	LLW	low-level (radioactive) waste
18	LLWMA	low-level waste management area
19	LMF	lined modular facility
20	LOA	line of analysis
21	LOEC	lowest observed effects concentration
22	LOEL	lowest observed effects level
23	LOS	level of service
24	LWC	lost workday case
25	LWD	lost workday
26		
27	M&O	management and operations
28	MASS2	Modular Aquatic Simulation System 2 (computer code)
29	MBTA	Migratory Bird Treaty Act
30	MCL	maximum contaminant level
31	MEI	maximally exposed individual
32	MEK	methyl ethyl ketone
33	MEPAS	Multimedia Environmental Pollutant Assessment System
34	MLLW	mixed low-level waste
35	MMEDE	Multimedia-Modeling Environmental Database Editor (computer code)
36	MMI	Modified Mercalli Intensity
37	MT	metric ton(s) (tonnes)
38	MTCA	Model Toxics Control Act
39	MTG	minimum technology guidance
40	MTU	metric tons of uranium
41		
42	NAAQS	National Ambient Air Quality Standards
43	National Register	National Register of Historic Places
44	NDA	non-destructive assay

1	NDE	non-destructive examination
2	ND	not detected
3	NE	no emissions
4	NEPA	National Environmental Policy Act
5	NESHAPs	National Emission Standards for Hazardous Air Pollutants
6	NIOSH	National Institute for Occupational Safety and Health
7	NM	not measured
8	NMFS	National Marine Fisheries Service
9	NO <sub>2</sub>	nitrogen dioxide
10	NOA	Notice of Availability
11	NOAEL	no observed adverse effects level
12	NOC	Notice of Construction
13	NOE	Notice of Extension
14	NOI	Notice of Intent
15	NO <sub>x</sub>	nitrogen oxides
16	NPS	National Park Service
17	NRC	U.S. Nuclear Regulatory Commission
18	NS	no standard
19	NTS	Nevada Test Site
20	NWPF	new waste processing facility
21	NWS	National Weather Service
22		
23	OAR	Oregon Administrative Rule
24	OCF	offsite commercial facility
25	OFM	Office of Financial Management
26	ORP	(U.S. Department of Energy) Office of River Protection
27	ORR	(U.S. Department of Energy) Oak Ridge Reservation
28	OSHA	U.S. Occupational Safety and Health Administration
29		
30	PA	performance assessment
31	PCB	polychlorinated biphenyl
32	pCi	picocurie(s)
33	PEIS	Programmatic Environmental Impact Statement
34	PEL	permissible exposure level
35	PFP	Plutonium Finishing Plant
36	PHMC	Project Hanford Management Contract
37	PM	particulate matter
38	PM <sub>10</sub>	particulate matter with aerodynamic diameters 10 µm or smaller
39	PNNL	Pacific Northwest National Laboratory
40	ppm	parts per million
41	PSD	prevention of significant deterioration
42	Pu	plutonium
43	PUREX	Plutonium-Uranium Extraction Facility
44		

1	R	roentgen
2	R&D	research and development
3	RCRA	Resource Conservation and Recovery Act
4	RCT	radiological control technician
5	RCW	Revised Code of Washington
6	REIS	Regional Economic Information System
7	R <sub>f</sub>	contaminant retardation factors
8	RfD	reference dose
9	RH	remote-handled
10	RIMS	Regional Input-Output Modeling System (computer code)
11	RL	(U.S. Department of Energy) Richland Operations Office
12	ROD	Record of Decision
13	RPP	River Protection Project
14		
15	SA	safety analysis
16	SAC	System Assessment Capability (computer code)
17	SALDS	State-Approved Land Disposal Structure
18	SC	species of concern
19	SCAPA	Subcommittee on Consequence Assessment and Protective Actions
20	SEIS	Supplemental Environmental Impact Statement
21	SEPA	State (of Washington) Environmental Policy Act
22	SERC	State Emergency Response Commission
23	SI	international system of units (metric system)
24	SIP	state implementation plan
25	SLD	shallow land disposal
26	SNF	spent nuclear fuel
27	SO <sub>2</sub>	sulfur dioxide
28	SO <sub>x</sub>	sulfur oxides
29	SR	State Route
30	SRS	(U.S. Department of Energy) Savannah River Site
31	SST	single-shell tank
32	STOMP	Subsurface Transport Over Multiple Phases (computer code)
33	STP	site treatment plan
34	SWB	standard waste box
35	SWIFT	Solid Waste Integrated Forecast Technical (report)
36	SWITS	Solid Waste Information and Tracking System
37	SWOC	Solid Waste Operations Complex
38		
39	T&E	threatened and endangered
40	TCP	traditional cultural property
41	TD	temperature difference
42	TEDE	total effective dose equivalent
43	TEDF	200 Area Treated Effluent Disposal Facility
44	TEEL	Temporary Emergency Exposure Limit

1	TI	Transportation Index
2	TLV	threshold limit value
3	TNC	The Nature Conservancy (of Washington)
4	TPA	Tri-Party Agreement (Hanford Federal Facility Agreement and Consent Order)
5	TRC	total recordable case
6	TRIGA	Test Reactor and Isotope Production General Atomics
7	TRU	transuranic waste
8	TRUPACT-II	Transuranic Package Transporter-II
9	TRUSAF	Transuranic Storage and Assay Facility
10	TSCA	Toxic Substances Control Act
11	TSD	treatment, storage, and/or disposal
12	TSP	total suspended particulate
13	TWRS	Tank Waste Remediation System
14		
15	UPR	unplanned release
16	UO <sub>3</sub>	uranium trioxide
17	USC	United States Code
18	USGS	U.S. Geological Survey
19	UW	University of Washington
20	UWGP	University of Washington Geophysics Program
21		
22	VADER	VADose zone Environmental Release (computer code)
23	VOC	volatile organic compound
24		
25	WAC	Washington Administrative Code
26	WDFW	Washington State Department of Fish and Wildlife
27	WDOH	Washington State Department of Health
28	WESF	Waste Encapsulation and Storage Facility
29	WHC	Westinghouse Hanford Company
30	WIF	well intercept factor
31	WIPP	Waste Isolation Pilot Plant
32	WM	waste management
33	WM PEIS	Waste Management Programmatic Environmental Impact Statement
34	WNHP	Washington Natural Heritage Program
35	WRAP	Waste Receiving and Processing Facility
36	WSU-TC	Washington State University – Tri-Cities Branch Campus
37	WTP	waste treatment plant