

## List of Terms

AEA	<i>Atomic Energy Act of 1954</i>
ANN	artificial neural network
bgs	below ground surface
CCU	Cold Creek unit
CCU <sub>g</sub>	Cold Creek gravel unit
CCU <sub>z</sub>	Cold Creek silt unit
CERCLA	<i>Comprehensive Environmental Response, Compensation, and Liability Act of 1980</i>
CFR	<i>Code of Federal Regulations</i>
CHPRC	CH2M HILL Plateau Remediation Company
COC	contaminant of concern
COPC	contaminant of potential concern
CY	calendar year
DNAPL	dense nonaqueous-phase liquid
DOE	U.S. Department of Energy
DWS	drinking water standard
Ecology	Washington State Department of Ecology
EPA	U.S. Environmental Protection Agency
ERDF	Environmental Restoration Disposal Facility
ETF	Effluent Treatment Facility
FS	feasibility study
FY	fiscal year
HEIS	Hanford Environmental Information System
HRL	Horn Rapids Landfill
IDF	Integrated Disposal Facility
IFRC	Integrated Field-Scale Subsurface Research Challenge
ISRM	In Situ Redox Manipulation
LERF	Liquid Effluent Retention Facility
LIGO	Laser Interferometer Gravitational-Wave Observatory

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LLWMA	low-level waste management area
LWDF	liquid waste disposal facility
MC	Markov chain
MCL	Maximum Contaminant Level
NAVD88	North American Vertical Datum of 1988
NRDWL	Nonradioactive Dangerous Waste Landfill
OU	operable unit
PFP	Plutonium Finishing Plant
ppm	parts per million
ppmv	parts per million by volume
PNNL	Pacific Northwest National Laboratory
PUREX	Plutonium-Uranium Extraction (Plant)
PRB	permeable reactive barrier
RCBRA	River Corridor Baseline Risk Assessment
RCRA	<i>Resource Conservation and Recovery Act of 1976</i>
RCW	<i>Revised Code of Washington</i>
REDOX	Reduction-Oxidation (Plant)
RI	remedial investigation
ROD	Record of Decision
RPO	remedial process optimization
S&GRP	Soil and Groundwater Remediation Project
SALDS	State-Approved Land Disposal Site
SESP	Surface Environmental Surveillance Project
SST	single-shell tank
STOMP	Subsurface Transport Over Multiple Phases (model)
SVE	soil vapor extraction
SVOC	semivolatile organic compound
SWL	Solid Waste Landfill
TEDF	Treated Effluent Disposal Facility

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TP	transition probability
Tri-Party Agreement	<i>Hanford Federal Facility Agreement and Consent Order</i>
TSD	treatment, storage, and disposal
VOC	volatile organic compound
WAC	<i>Washington Administrative Code</i>
WCH	Washington Closure Hanford
WIDL	Well Information and Document Lookup
WMA	waste management area

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