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ACRONYMS

α -MLLW	alpha mixed low-level waste
ACL	Analytical Chemistry Laboratory (ANL-W)
ADS	Activity Data Sheet
AEA	Atomic Energy Act
ALHC	Analytical Laboratory Hot Cell (ANL-W)
AMWTP	Advanced Mixed Waste Treatment Project
ANL-W	Argonne National Laboratory-West
APS	Atmospheric Protection System
ARA	Auxiliary Reactor Area
ARG-W	DOE Chicago Argonne Group-West
ARMF	Advanced Reactivity Measurement Facility
ATG	Allied Technology Group, Inc.
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act of 1980
CFR	Code of Federal Regulations
CFRMF	Coupled Fast Reactivity Measurement Facility
CH	contact handled
CMT	commercial mercury treatment
CPP	Chemical Processing Plant
CSSF	Calcine Solids Storage Facility
D&D	decontamination and decommissioning
DEQ	Division of Environmental Quality
DOE	Department of Energy
DOE-CH	Department of Energy Chicago Operations Office
DOE-HQ	Department of Energy-Headquarters
DOE-ID	Department of Energy Idaho Operations Office
DRC	Dispute Resolution Committee
DSSI	Diversified Scientific Services Inc.
EBR-I	Experimental Breeder Reactor I
EBR-II	Experimental Breeder Reactor II
EDTA	ethylenediaminetetraacetic acid
EFL	estimated failure level
EM	Environmental Management
EPA	Environmental Protection Agency

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ER	environmental restoration
ETR	Experimental Test Reactor
FCF	Fuel Cycle Facility
FDP	fuel dissolution process
FFC	Federal Facility Compliance (Act)
FMF	Fuel Manufacturing Facility
FY	fiscal year
GTP	generator treatment plan
GWTF	Groundwater Treatment Facility
HEPA	high-efficiency particulate air (filter)
HFEF	Hot Fuel Examination Facility
HLLW	high-level liquid waste
HLW	high-level waste
HTRE-3	Heat Transfer Reactor Experiment No. 3
HWMA	Hazardous Waste Management Act
IBC	interbuilding cask
IBO	Idaho Branch Office
ICP	inductively coupled plasma
ICPP	Idaho Chemical Processing Plant
IDAPA	Idaho Administrative Procedures Act
IDHW	Idaho Department of Health and Welfare
IET	Initial Engine Test
INEEL	Idaho National Engineering and Environmental Laboratory
INTEC	Idaho Nuclear Technology and Engineering Center
IPA	isopropyl alcohol
ISV	in situ vitrification
LCAM	Life Cycle Asset Management
LDR	land disposal restriction
LET&D	liquid effluent treatment and disposal
LLM	low-level mixed
LLMW	low-level mixed waste
LLW	low-level waste
LSA	low specific activity (waste)
MIS	Mare Island Naval Shipyard
MLLW	mixed low-level waste

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MTR	Materials Test Reactor
MTRU	mixed transuranic (waste)
MW	mixed waste
MWIR	Mixed Waste Inventory Report
MWSF	Mixed Waste Storage Facility
N/A	not applicable
NE	nuclear energy
NEPA	National Environmental Policy Act
NRC	Nuclear Regulatory Commission
NRF	Naval Reactor Facility
NWCF	New Waste Calcining Facility
OMB	Office of Management and Budget
PCB	polychlorinated biphenyl
PCE	perchloroethylene
PESI	Perma-Fix Environmental Services, Inc.
PEW	process equipment waste
PPE	personal protective equipment
PVC	polyvinyl chloride
PWTU	Portable Water Treatment Unit
Q	quarter
R&D	research and development
RCRA	Resource Conservation and Recovery Act
RH	remote handled
RTP	Remote Treatment Project
RWMC	Radioactive Waste Management Complex
SAPC	safe agitene parts cleaner
SBW	sodium-bearing waste
SCDF	Subtitle C Disposal Facility
SCMS	Sodium Component Maintenance Shop
SEG	Scientific Ecology Group (Oak Ridge, Tennessee)
SPF	Sodium Process Facility
STP	Site Treatment Plan
SVA	Sorrento Valley, Building A
SWEPP	Stored Waste Examination Pilot Plant
TAN	Test Area North

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TBD	to be determined
TCA	trichloroethane
TCE	trichloroethylene
TCLP	toxicity characteristic leaching procedure
TRA	Test Reactor Area
TRU	transuranic (waste)
TSA	Transuranic Storage Area
TSCA	Toxic Substances Control Act
TSCAI	TSCA Incinerator
USC	United States Code
VOC	volatile organic compound
VOG	vessel off-gas
WAC	waste acceptance criteria
WCS	Waste Control Specialists LLC
WERF	Waste Experimental Reduction Facility
WIPP	Waste Isolation Pilot Plant
WIR	Waste Incidental to Reprocessing Determination
WROC	Waste Reduction Operations Complex
WS	waste stream

NOMENCLATURE

CO ₂	carbon dioxide
gal/day	gallons per day
Hg	mercury
m ³	cubic meters
m ³ /yr	cubic meters per year
lb/hr	pounds per hour
Na	sodium
NaK	sodium potassium
Na ₂ CO ₃	sodium carbonate
NaOH	sodium hydroxide
nCi	nanocuries
nCi/g	nanocuries per gram
NO _x	nitrogen oxide
pH	acidity
ppm	parts per million
tons/yr	tons per year
wt%	weight percent

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