

# Acronyms and Abbreviations

See also the Glossary for further definition of selected terms.

<b>A</b>	<b>ACDEH</b>	Alameda County Department of Environmental Health
	<b>ACL</b>	ambient concentration limit
	<b>AFV</b>	alternative fuel vehicles
	<b>ALARA</b>	as low as reasonably achievable
	<b>ANSI</b>	American National Standards Institute
	<b>ASE</b>	accelerated solvent extraction
	<b>ATSDR</b>	Agency for Toxic Substances and Disease Registry
	<b>AVLIS</b>	Advanced Vapor Laser Isotope Separation
	<b>AWQC</b>	ambient water quality criteria
<b>B</b>	<b>BA</b>	biological assessment
	<b>BAAQMD</b>	Bay Area Air Quality Management District
	<b>BMP</b>	best management practice
	<b>Bq</b>	becquerel
	<b>BSA</b>	Blanket Service Agreement
<b>C</b>	<b>CAM</b>	continuous air monitor
	<b>CAMP</b>	Corrective Action Monitoring Program
	<b>CCB</b>	Change Control Board
	<b>CCR</b>	California Code of Regulations Container Content Report
	<b>CD</b>	compact disc
	<b>CDFG</b>	California Department of Fish and Game
	<b>CDHS</b>	California Department of Health Services
	<b>CDHS-RHB</b>	California Department of Health Services, Radiation Health Bureau
	<b>CDPH-BRH</b>	California Department of Public Health, Bureau of Radiological Health
	<b>CEI</b>	Compliance Evaluation Inspection
	<b>CEQA</b>	California Environmental Quality Act of 1970
	<b>CERCLA</b>	Comprehensive Environmental Response, Compensation and Liability Act of 1980
	<b>CES</b>	Chemistry and Materials Science Environmental Services
	<b>CFR</b>	Code of Federal Regulations

## Acronyms and Abbreviations

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	<b>Chromium(VI)</b>	hexavalent chromium
	<b>Ci</b>	curie
	<b>CMP</b>	Compliance Monitoring Program
	<b>CNPS</b>	California Native Plant Society
	<b>COC</b>	constituent of concern
	<b>COD</b>	chemical oxygen demand
	<b>CSA</b>	container storage area
	<b>CUPA</b>	Certified Unified Program Agency
	<b>CVRWQCB</b>	Central Valley Regional Water Quality Control Board
	<b>CWA</b>	(Federal) Clean Water Act
<b>D</b>	<b>D&amp;D</b>	decommissioning and decontamination
	<b>DCG</b>	Derived Concentration Guide
	<b>DHS</b>	Department of Health Services
	<b>DMP</b>	Detection Monitoring Program
	<b>DMT</b>	Data Management Team
	<b>DOE</b>	U.S. Department of Energy
	<b>DRB</b>	Drainage Retention Basin
	<b>DTSC</b>	(California Environmental Protection Agency), Department of Toxic Substances Control
	<b>DWTF</b>	Decontamination and Waste Treatment Facility
<b>E</b>	<b>EA</b>	environmental assessment
	<b>EDE</b>	effective dose equivalent
	<b>EDO</b>	Environmental Duty Officer
	<b>EIS</b>	environmental impact statement
	<b>EMRL</b>	Environmental Monitoring Radiation Laboratory
	<b>EMS</b>	Environmental Management System
	<b>EOG</b>	Environmental Operations Group
	<b>EPA</b>	Environmental Protection Agency
	<b>EPCRA</b>	Emergency Planning and Community Right-to-Know Act of 1986
	<b>EPD</b>	Environmental Protection Department (LLNL)
	<b>EPL</b>	effluent pollutant limit
	<b>ERD</b>	Environmental Restoration Division (of the Environmental Protection Department at LLNL)

	<b>ES&amp;H</b>	Environment, Safety, and Health
	<b>ESB</b>	East Settling Basin
	<b>EWSF</b>	Explosives Waste Storage Facility
	<b>EWTF</b>	Explosives Waste Treatment Facility
<b>F</b>	<b>FEC</b>	Federal Electronics Challenge
	<b>FFA</b>	federal facility agreement
	<b>FY</b>	fiscal year
<b>G</b>	<b>GBq</b>	gigabecquerel ( $10^9$ Bq)
	<b>GEM</b>	Global Electric Motorcar
	<b>GIS</b>	Geographic Information System
	<b>GPS</b>	global positioning system
	<b>GSA</b>	General Services Area (LLNL Site 300)
	<b>GWP</b>	Ground Water Project
<b>H</b>	<b>HCAL</b>	Hazards Control Department's Analytical Laboratory
	<b>HE</b>	high explosives
	<b>HEPA</b>	high-efficiency particulate air (filter)
	<b>HMX</b>	cyclotetramethyltetramine (high explosive). Also referred to as octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine.
	<b>HPGe</b>	high-purity germanium
	<b>HSU</b>	hydrostratigraphic unit
	<b>HT</b>	tritiated hydrogen gas (See also tritium in Glossary.)
	<b>HTO</b>	tritiated water and water vapor (See also tritium in Glossary.)
	<b>HWCA</b>	Hazardous Waste Control Act
	<b>HWFP</b>	Hazardous Waste Facility Permit
<b>I</b>	<b>IEEE</b>	Institute of Electrical and Electronics Engineers
	<b>IQR</b>	interquartile range
	<b>ISMS</b>	Integrated Safety Management System
	<b>ISO</b>	International Organization for Standardization
<b>L</b>	<b>LARPD</b>	Livermore Area Recreation & Park District
	<b>LDR</b>	Land Disposal Restriction
	<b>LEPC</b>	Local Emergency Planning Committee
	<b>LLD</b>	lower limit of detection
	<b>LLL</b>	Lawrence Livermore Laboratory

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	<b>LLNL</b>	Lawrence Livermore National Laboratory
	<b>LOS</b>	limit of sensitivity
	<b>LRL</b>	Lawrence Radiation Laboratory
	<b>LWRP</b>	Livermore Water Reclamation Plant
<b>M</b>	<b>MAPEP</b>	Mixed Analyte Performance Evaluation Program
	<b>mCi</b>	millicurie ( $10^{-3}$ Ci)
	<b>MCL</b>	maximum contaminant level
	<b>MDC</b>	minimum detectable concentration
	<b>MEI</b>	maximally exposed individual
	<b>ML</b>	million liters
	<b>MNA</b>	monitored natural attenuation
	<b>MRP</b>	Monitoring and Reporting Program
	<b>MSDS</b>	material safety data sheet
	<b>mSv</b>	millisievert ( $10^{-3}$ Sv)
<b>N</b>	<b>NAREL</b>	National Air and Radiation Environmental Laboratory=
	<b>NCR</b>	nonconformance report
	<b>NCRP</b>	National Council on Radiation Protection and Measurements
	<b>NEPA</b>	National Environmental Policy Act
	<b>NESHAPs</b>	National Emissions Standards for Hazardous Air Pollutants
	<b>NHPA</b>	National Historic Preservation Act
	<b>NIF</b>	National Ignition Facility
	<b>NNSA</b>	National Nuclear Security Administration
	<b>NOD</b>	notice of deficiency
	<b>NOV</b>	notice of violation
	<b>NPDES</b>	National Pollutant Discharge Elimination System
	<b>NRC</b>	Nuclear Regulatory Commission
	<b>nSv</b>	nanosievert ( $10^{-9}$ Sv)
<b>O</b>	<b>OBT</b>	organically bound tritium
	<b>OR</b>	occurrence report
	<b>ORAD</b>	Operations and Regulatory Affairs Division (of the Environmental Protection Department at LLNL)
	<b>OU</b>	operable unit
<b>P</b>	<b>P2</b>	pollution prevention

	<b>PCB</b>	polychlorinated biphenyl
	<b>PCE</b>	perchloroethylene (or perchloroethene). Also called tetrachloroethylene (or tetrachloroethene).
	<b>PETN</b>	pentaerythritol tetranitrate
	<b>PHA</b>	public health assessment
	<b>pHMS</b>	pH Monitoring Station
	<b>PM-10</b>	particulate matter
	<b>ppb</b>	parts per billion
	<b>ppm</b>	parts per million
	<b>PQL</b>	practical quantitation limit
<b>Q</b>	<b>QA</b>	quality assurance
	<b>QC</b>	quality control
<b>R</b>	<b>RCRA</b>	Resource Conservation and Recovery Act of 1976
	<b>RDX</b>	hexahydro-1,3,5-trinitro-1,3,5-triazine (high explosive)
	<b>RHWM</b>	Radioactive and Hazardous Waste Management Division (of the Environmental Protection Department at LLNL)
	<b>RL</b>	reporting limit
	<b>ROD</b>	Record of Decision
	<b>ROI</b>	return on investment
	<b>RWQCB</b>	regional water quality control board
<b>S</b>	<b>SAA</b>	streambed alteration agreement
	<b>Sandia/California</b>	Sandia National Laboratories/California
	<b>SARA</b>	Superfund Amendment and Reauthorization Act of 1986 (see also CERCLA/SARA)
	<b>SDF</b>	Sewer Diversion Facility
	<b>SERC</b>	State Emergency Response Commission
	<b>SFBRWQCB</b>	San Francisco Bay Regional Water Quality Control Board
	<b>SHPO</b>	State Historic Preservation Officer
	<b>SI</b>	Système International d'Unités
	<b>Site 300</b>	LLNL's Experimental Test Site, located approximately 24 km east of the Livermore site
	<b>SJCEHD</b>	San Joaquin County Environmental Health Department
	<b>SJVAPCD</b>	San Joaquin Valley Air Pollution Control District
	<b>SMS</b>	Sewer Monitoring Station

## Acronyms and Abbreviations

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	<b>SOP</b>	standard operating procedure
	<b>SOV</b>	summary of violations
	<b>STP</b>	Site Treatment Plan
	<b>Sv</b>	sievert
	<b>SW-MEI</b>	site-wide maximally exposed individual member (of the public)
	<b>SWPPP</b>	Storm Water Pollution Prevention Plan
<b>T</b>	<b>TAG</b>	Technical Assistance Grant
	<b>TBq</b>	terabecquerel ( $10^{12}$ Bq)
	<b>TCE</b>	trichloroethene (or trichloroethylene)
	<b>TDS</b>	total dissolved solids
	<b>TEF</b>	toxicity equivalency factor
	<b>TEQ</b>	toxicity equivalency
	<b>TF</b>	treatment facility
	<b>TLD</b>	thermoluminescent dosimeter
	<b>TNT</b>	trinitrotoluene
	<b>TOC</b>	total organic carbon
	<b>TOX</b>	total organic halides
	<b>TRI</b>	Toxics Release Inventory
	<b>Tri-Valley CAREs</b>	Tri-Valley Communities Against a Radioactive Environment
	<b>TRU</b>	transuranic (waste)
	<b>TSCA</b>	Toxic Substances Control Act
	<b>TSDF</b>	treatment, storage, and disposal facility
	<b>TSS</b>	total suspended solids
	<b>TTO</b>	total toxic organics
	<b>TWMS</b>	Total Waste Management System
<b>U</b>	<b>UC</b>	University of California
	<b>USAEC</b>	United States Atomic Energy Commission
	<b>USDHEW</b>	United States Department of Health, Education, and Welfare
	<b>USEPA</b>	United States Environmental Protection Agency
	<b>USFWS</b>	U.S. Fish and Wildlife Service
<b>V</b>	<b>VOC</b>	volatile organic compound
	<b>VTF</b>	vapor treatment facility

<b>W</b>	<b>WAA</b>	waste accumulation area
	<b>WDR</b>	Waste Discharge Requirement
	<b>WIPP</b>	Waste Isolation Pilot Plant
	<b>WMA</b>	Waste Management Area
	<b>WSS</b>	Work Smart Standards
<b>Z</b>	<b>Zone 7</b>	Alameda County Flood Control and Conservation District, Zone 7