

ACRONYMS AND ABBREVIATIONS

	%RSD	Percent relative standard deviation	
A	ACDEH	Alameda County Department of Environmental Health	
	ACHCS	Alameda County Health Care Services	
	ACL	Ambient concentration limit	
	ACOE	Army Corps of Engineers	
	ALARA	As low as reasonably achievable	
	ANSI	American National Standards Institute	
	ARO	Assurance Review Office at LLNL	
	ATSDR	Agency for Toxic Substances and Disease Registry	
	AVLIS	Advanced Vapor Laser Isotope Separation	
	AWQC	Ambient water quality criteria	
B	BAAQMD	Bay Area Air Quality Management District	
	BCG	Biota concentration guide	
	BETX (or BTEX)	Benzene, ethyl benzene, toluene, and xylene	
	BIT Report	Biennial inspection of terminals report	
	BMP	Best management practice	
	Bq	Becquerel	
	BSA	Blanket Service Agreement	
	BTU	Biotreatment unit	
	C	CAM	Continuous air monitor
		CAREs	(Tri-Valley) Communities Against a Radioactive Environment
CCR		California Code of Regulations	
CDFG		California Department of Fish and Game	
CEPRC		Chemical Emergency Planning and Response Commission	
CEQA		California Environmental Quality Act of 1970	
CERCLA		Comprehensive Environmental Response, Compensation and Liability Act of 1980	

	CERCLA/SARA	Superfund Amendments and Reauthorization Act (SARA)
	CES	Chemistry and Materials Science Environmental Services
	CFF	Contained Firing Facility
	CFR	Code of Federal Regulations
	CGSA	Central General Service Area
	CHP	California Highway Patrol
	Ci	Curie
	COC	Constituent of concern
	COD	Chemical oxygen demand
	CRD	Catalytic reductive dehalogenation
	CVRWQCB	Central Valley Regional Water Quality Control Board
	CWA	Federal Clean Water Act
	CWG	Community Work Group
D	DAP	Discipline action plan
	DC	Direct current
	DCG	Derived Concentration Guide
	DHS	Department of Health Services
	DLM	Designated level methodology
	DNT	Defense and Nuclear Technologies
	DOE	U.S. Department of Energy
	DOE/OAK	DOE Oakland Operations Office
	DOT	U.S. Department of Transportation
	DRB	Drainage Retention Basin
	DTSC	(California Environmental Protection Agency), Department of Toxic Substances Control
	DWTF	Decontamination and Waste Treatment Facility
	DU	Depleted uranium
E	E2	Energy efficiency
	EA	Environmental assessment
	EDE	Effective dose equivalent
	EDO	Environmental Duty Officer
	EIR	Environmental impact report
	EIS	Environmental impact statement
	EML	Environmental Monitoring Laboratory

	EMRL	Environmental Monitoring Radiation Laboratory
	EO	Electroosmosis
	EOG	Environmental Operations Group
	EPA	U.S. Environmental Protection Agency
	EPCRA	Emergency Planning and Community Right-to-Know Act of 1986
	EPD	Environmental Protection Department (LLNL)
	EPL	Effluent pollutant limit
	EPTP	Environmental Protection Training Department (LLNL)
	ERD	Environmental Restoration Division (of the Environmental Protection Department at LLNL)
	ES&H	Environment, Safety, and Health
	EST	Environmental support team
	EWSE	Explosives Waste Storage Facility
	EWTF	Explosives Waste Treatment Facility
F	FFA	Federal facility agreement
	FHC	Fuel hydrocarbon
	FONSI	Finding of no significant impact
	FSP	Facility safety plan
	FY	fiscal year
G	GAB	Gross alpha and gross beta
	GAC	Granulated activated carbon
	GBq	Gigabecquerel. (10^9 Bq)
	GFI	Ground fault interrupter
	GPS	Global positioning system
	GSA	General Services Area (LLNL Site 300)
	GTU	GAC treatment unit
	GWP	Ground Water Project
	GWMP	Ground Water Project Management Program
	GWTF	Groundwater treatment facility
	GWTS	Groundwater treatment system
	Gy	Gray
H	HCAL	Hazards Control Department's Analytical Laboratory
	HE	High explosives
	HEPA	High-efficiency particulate air (filter)

	HMX	Cyclotetramethyltetramine. Also referred to as octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine.
	HPGe	High-purity germanium
	HSU	Hydrostratigraphic unit
	HT	Tritiated hydrogen gas (See also tritium in Glossary.)
	HTO	Tritiated water and water vapor (See also tritium in Glossary.)
	HWCA	(California) Hazardous Waste Control Act
	HWM	Hazardous Waste Management Division (of the Environmental Protection Department at LLNL)
I	ICRP	International Commission on Radiological Protection
	IMS	Instrumented membrane system
	IQR	Interquartile range
	ISMS	Integrated Safety Management System
	IWS	Integration work sheet
L	LEPC	Local Emergency Planning Committee
	LLNL	Lawrence Livermore National Laboratory
	LOEC	Lowest observed effect concentration
	LOS	Limit of sensitivity
	LWRP	Livermore Water Reclamation Plant
M	MAPEP	Mixed Analyte Performance Evaluation Program
	mCi	Millicurie (10^{-3} Ci)
	MCL	Maximum contaminant level
	MDC	Minimum detectable concentration
	MEI	Maximally exposed individual
	ML	Million liters
	MOU	Memorandum of understanding
	MRP	Monitoring and Reporting Program
	MSDS	Material safety data sheet
	mSv	Millisievert (10^{-3} Sv)
N	NCR	Nonconformance report
	NCRP	National Council on Radiation Protection and Measurements
	NEPA	National Environmental Policy Act
	NESHAPs	National Emissions Standards for Hazardous Air Pollutants
	NHPA	National Historical Preservation Act

	NIF	National Ignition Facility
	NOD	Notice of deficiency
	NOEC	No observed effect concentration
	NOV	Notice of Violation
	NPDES	National Pollutant Discharge Elimination System
	NPL	National Priorities List
	NRC	Nuclear Regulatory Commission
	nSv	Nanosievert (10^{-9} Sv)
	NWP	nationwide permit
O	OBT	Organically bound tritium
	ORAD	Operations and Regulatory Affairs Division (of the Environmental Protection Department at LLNL)
	OSP	Operational safety plan
	OU	Operable unit
P	P2	Pollution prevention
	P2/E2	Pollution prevention/energy efficiency
	PA	Programmatic agreement
	PCB	Polychlorinated biphenyl
	PCE	Perchloroethylene (or perchloroethene). Also called tetrachloroethylene (or tetrachloroethene).
	PHA	Public health assessment
	pHMS	pH Monitoring Station
	PM	Performance measure
	PMCL	Primary maximum contaminant level
	POTW	Publicly owned treatment works
	ppb	Parts per billion
	ppm	Parts per million
	ppmv	Parts per million by volume
	PPOA	Pollution prevention opportunity assessment
	PQL	Practical quantitation limit
	PTU	Portable treatment unit
Q	QA	Quality assurance
	QC	Quality control

R	RAIP	Remedial Action Implementation Plan	
	RCRA	Resource Conservation and Recovery Act of 1976	
	RDWP	Remedial Design Work Plan	
	RD	Remedial Design	
	RDX	Hexahydro-1,3,5-trinitro-1,3,5-triazine	
	RI/FS	Remedial investigation/feasibility study	
	RL	Reporting limit	
	ROD	Record of Decision	
	ROI	Return on investment	
	RWQCB	Regional Water Quality Control Board	
	S	SAA	Streambed alteration agreement
		SAER	Site Annual Environmental Report
		Sandia/California	Sandia National Laboratories/California
SAR		Safety analysis report	
SARA		Superfund Amendment and Reauthorization Act of 1986 (see also CERCLA/SARA)	
SAT		Space Action Team	
SDF		Sewer Diversion Facility	
SE		Standard error	
SERC		State Emergency Response Commission	
SFBRWQCB		San Francisco Bay Regional Water Quality Control Board	
SI		Système International d'Unités	
Site 300		LLNL's Experimental Test Site, located approximately 24 km east of the Livermore site	
SJVUAPCD		San Joaquin Valley Unified Air Pollution Control District	
SME		Subject matter expert	
		Safety Management Evaluation	
SMS		Sewer Monitoring Station	
SOP		Standard operating procedures	
SOV	Summary of violations		
SPCC	Spill Prevention Control and Countermeasure		
STP	Site treatment plan		
STU	Solar treatment unit		
Sv	Sievert		

	SVE	Soil vapor extraction
	SW-MEI	Sitewide maximally exposed individual member (of the public)
	SWPPP	Storm Water Pollution Prevention Plan
	SWRCB	(California) State Water Resources Control Board
T	TBOS	Tetrabutyl orthosilicate
	TBq	Terabecquerel (10^{12} Bq)
	TCE	Trichloroethene (or trichloroethylene)
	TCLP	Toxicity characteristic leaching procedure
	TDS	Total dissolved solids
	TKEBS	Tetrakis (2-ethylbutyl) silane
	TLD	Thermoluminescent dosimeter
	TNT	Trinitrotoluene
	TOC	Total organic carbon
	TOX	Total organic halides
	TRU	Transuranic (waste)
	TSCA	Toxic Substances Control Act
	TSS	Total suspended solids
	TTO	Total toxic organics
	TWMS	Total Waste Management System
U	UC	University of California
	USC	U.S. Code
	UV/H₂O₂	Ultraviolet/hydrogen peroxide
V	VOC	Volatile organic compound
	VTF	Vapor treatment facility
W	WAA	Waste accumulation area
	WDR	Waste Discharge Requirements
	WSS	Work Smart Standards
Z	Zone 7	Alameda County Flood Control and Conservation District, Zone 7