

Acronyms and Abbreviations

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1,2-DCE	1,2-dichloroethylene
1-D	One dimensional
10 ⁻⁴	One in one thousand
10 ⁻⁶	One in one million
AAL	Applied action level
Anisotropy	The condition of rock or sediment where hydraulic properties are different in different directions
AOS	Adult onsite exposure
ARARs	Applicable or relevant and appropriate requirements
AWQC	Ambient water quality criteria
Be	Beryllium
BTEX	Benzene, toluene, ethylbenzene, and total xylenes
CB	Cement-bentonite
CCR	California Code of Regulations
Cd	Cadmium
CDDs	Chlorinated dibenzo-p-dioxins
CDFs	Chlorinated dibenzofurans
CDFG	California Department of Fish and Game
CDI	Chronic daily intake
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act of 1980
CFR	Code of Federal Regulations
ClO ₄	Perchlorate
COC	Contaminant of concern
COPC	Contaminant of potential concern
CP	Contingency Plan
CPF	Cancer potency factor
CQA	Construction quality assurance
CMP	Compliance Monitoring Plan
Cu	Copper
CVOC	Chlorinated volatile organic compound
DCA	Dichloroethane
DCC	Dichlorocarbonyl or phosgene
DCE	Dichloroethylene
DDE	Dichloro-diphenyl-dichloro-ethylene
DDT	Dichloro-diphenyl-trichloro-ethane
DNAPL	Dense Non-Aqueous Phase Liquid
DOE	Department of Energy
DTSC	Department of Toxic Substances Control

EFA	East Firing Area
EIR	Environmental Impact Report
EIS	Environmental Impact Statement
EPA	Environmental Protection Agency
ERD	Environmental Restoration Division
°F	Degrees Fahrenheit
FFA	Federal Facility Agreement
FHC	Fuel hydrocarbons
ft	Feet
GAC	Granular Activated Charcoal
gpd	Gallons per day
gpm	Gallons per minute
GSA	General Services Area
GWE	Ground water extraction
GWTU	Ground water treatment unit with power supplied from the electric grid or a diesel generator
GWTU-BIO	A GWTU which uses a biological system to treat contaminated ground water
GWTU-GAC	A GWTU which uses GAC to treat contaminated ground water
GWTU-GAC-SVE	For use at wells where ground water and soil vapor would be extracted simultaneously, a GWTU which uses GAC to treat ground water and GAC to treat soil vapor
GWTU-GBI	A GWTU which uses a combination of GAC and a biological system to treat contaminated ground water
GWTU-GBI-SVE	For use at wells where ground water and soil vapor would be extracted simultaneously, a GWTU which uses a combination of GAC and a biological to treat ground water and GAC to treat soil vapor
HCl	Hydrochloric
HE	High explosives
HI	Hazard index
HMX	High Melting Explosive
HQ	Hazard quotient
in	Inches
Indurate	Compact or harden by the action of pressure, cementation, or heat
IRIS	Integrated Risk Information System
kg	Kilograms
Kgv	Cretaceous Great Valley sequence
L	Liter
LLNL	Lawrence Livermore National Laboratory
LNAPL	Light Non-Aqueous Phase Liquid
Lsm	Liter of soil moisture
µg/L	Microgram per liter
m	Meters

MCL	Maximum Contaminant Level
mg/L	Milligrams per liter
mhos/cm	mhos (unit of conductivity) per centimeter (electrical conductance per unit length)
mi ²	Square miles
NA	Not applicable
NCF	Not considered further
NCP	National Contingency Plan
ND	Not detected
NEPA	National Environmental Policy Act
NO ₃	Nitrate
NPDES	National Pollutant Discharge Elimination System
NPL	National Priority List
NUFT	Nonisothermal Unsaturated-Saturated Flow and Transport Model
O&M	Operation and maintenance
OU	Operable unit
OSWER	Office of Solid Waste and Emergency Response
PCB	Polychlorinated biphenyls
PCE	Tetrachloroethylene
pCi/L	Picocuries per liter
ppm _{v/v}	Parts per million (volume per volume)
PRG	Preliminary remediation goal
Qal	Quaternary alluvium
RAO	Remedial action objective
RCRA	Resource Conservation and Recovery Act
RDX	Research Department Explosive
RES	Residential exposure
RfD	Reference dose
ROD	Record of Decision
RWQCB	Regional Water Quality Control Board
SARA	Superfund Amendments and Reauthorization Act of 1986
SB	Soil-bentonite
scfm	Standard cubic feet per minute
SDWA	Safe Drinking Water Act
SJVUAPCD	San Joaquin Valley Unified Air Pollution Control District
STLC	Soluble threshold limit concentration. A State method and value for determining if a waste is hazardous. Specifically, STLC means the concentration of a solubilized, extractable, and nonextractable bioaccumulative or persistent toxic substance which, if equaled or exceeded in a waste or waste extract, renders the waste hazardous (CCR Title 22, section 66260.10, p. 645).
SVE	Soil vapor extraction
SVRA	State Vehicular Recreation Area

SWAT	Solar Water Treatment
SWAT-BIO	A SWAT which uses a biological system to treat contaminated ground water.
SWAT-BIX	A SWAT which uses a combination of a biological system and an ion exchange system to treat contaminated ground water.
SWAT-GAC	A SWAT which uses GAC to treat contaminated ground water.
GWAT-GBI	A SWAT which uses a combination of GAC and a biological treatment system to treat contaminated ground water.
SWFS	Site-Wide Feasibility Study
SWRCB	State Water Resources Control Board
SWRI	Site-Wide Remedial Investigation
TBC	To be considered
TBD	To be determined
TBOS/TKEBS	Tetra-butyl-orthosilicate/tetra-kis-2-ethylbutylorthosilicate
TCA	Trichloroethane
TCE	Trichloroethylene
TDS	Total dissolved solids
TICs	Total ion counts
Tmss	Cierbo Formation
Tn	Neroly Formation
Tnbs ₁	Neroly Formation Lower Blue Sandstone
Tnbs ₂	Neroly Formation Upper Blue Sandstone
Tnsc ₁	Neroly Formation Lower Siltstone/Claystone
Tnsc ₂	Neroly Formation Upper Siltstone/Claystone
Tps	Pliocene non-marine unit
TQs	Toxicity quotients
TTLC	Total threshold limit concentration. A State method and value for determining if a waste is hazardous. Specifically, TTLC means the concentration of a solubilized, extractable, and nonextractable bioaccumulative or persistent toxic substance which, if equaled or exceeded in a waste or waste extract, renders the waste hazardous (CCR Title 22, section 66260.10, p. 645.
TNT	Trinitrotoluene
TQ	Toxicity Quotient
TSD	Treatment, storage, and disposal
Tts	Tesla Formation
²³⁴ U	Uranium-234
UCRL	University of California Radiation Laboratory
UV	Ultraviolet
USGS	United States Geological Survey
VOC	Volatile organic compound
WDR	Waste discharge requirements
WFA	West Firing Area
WQO	Water Quality Objective

