

Acronyms and Abbreviations

ACGIH	American Conference of Governmental Industrial Hygienists
ACL	Alternate Concentration Limits
ACS	American Chemical Society
ADI	acceptable daily intake, now called reference dose
AIChE	American Institute of Chemical Engineers
AL	acceptable level
ALARA	as low as reasonably achievable
ALI	Annual Limit on Intake
AMAD	Activity Median Aerodynamic Diameter
AOC	Area of Contamination
ARAR	Applicable or Relevant and Appropriate Requirements
ASTM	American Society for Testing Materials
AT	averaging time
ATSDR	Agency for Toxic Substances and Disease Registry
B(a)P	benzo (a) pyrene
BAT	best available technology
BCF	bioconcentration factor
BCT	best conventional pollutant technology
BDAT	best demonstrated available treatment technologies
BEIR	Biological Effects of Ionizing Radiation
BMP	best management practices
BOD	Biochemical Oxygen Demand
BPJ	best professional judgment
BPT	best practical technology
BW	body weight
CAA	Clean Air Act
CAG	Carcinogen Assessment Group
CAS	Chemical Abstract Service
CCWE	Constituent Concentration in Waste Extract
CDC	Centers for Disease Control
CDI	chronic daily intake
CEDE	Committed Effective Dose Equivalent
CEQ	Council on Environmental Quality
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act (a.k.a. Superfund)
CERCLIS	CERCLA Information System
CFR	Code of Federal Regulations
CLP	Contract Laboratory Program
CMA	Chemical Manufacturers Association
CNS	Central Nervous System
COD	Chemical Oxygen Demand
CPF	Carcinogen Potency Factors

CRAVE	Carcinogenic Risk Assessment Verification Endeavor
CWA	Clean Water Act
DCF	Dose Conversion Factor
DDT	dichloro-diphenyl-trichloroethane
DL	detection limit
DNA	deoxyribonucleic acid
DOD	Department of Defense
DOE	Department of Energy
DOT	Department of Transportation
DQO	Data Quality Objectives
DSE	Domestic Sewage Exclusion
EC	effective concentration
ECAO	Environmental Criteria Assessment Office (EPA)
ED	effective dose
ED	exposure duration
EDB	Ethylene Dibromide
EDE	Effective Dose Equivalent
EF	exposure frequency
EL	exposure level
EP	extraction procedure
EPA	Environmental Protection Agency
ET	exposure time
FDA	Food and Drug Administration
FIFRA	Federal Insecticide, Fungicide and Rodenticide Act
FIT	Field Investigation Team
FR	<i>Federal Register</i>
FS	Feasibility Study
FWPCA	Federal Water Pollution Control Act
FWQC	Federal Water Quality Criteria
GAO	General Accounting Office
GLWQA	Great Lakes Water Quality Agreement
H	Henry's Constant
HA	Health Advisory
HAD	Health Assessment Document
HEA	Health Effects Advisories
HEAST	Health Effects Assessment Summary Tables
HI	Hazard Index
HMTA	Hazardous Materials Transportation Act
HRS	Hazard Ranking System
HSWA	Hazard and Solid Waste Act
IAEA	International Atomic Energy Agency
IARC	International Agency for Research on Cancer
ICRP	International Commission on Radiological Protection
ICRU	International Commission on Radiological Units and Measurements
IRIS	Integrated Risk Information System
IU	Industrial User

Kd	soil / water partition coefficient
Koc	organic carbon partition coefficient
Kow	octanol / water partition coefficient
LC	lethal concentration
LC50	Lowest Concentration that will kill 50 percent of Test Organisms
LCRS	Leachate Collection and Removal System
LD	lethal dose
LDR	Land Disposal Restrictions
LET	Linear Energy Transfer
LLD	lower limit of detection
LOAEL	lowest observed adverse effect level
LOEL	lowest observed effect level
LPC	Limiting Permissible Concentrations
MAC	maximum allowable concentration
MATC	maximum allowable toxicant concentration
MCL	maximum contaminant level
MCLG	maximum contaminant level goal
MPC	maximum permissible concentration
MPRS A	Marine Protection, Research and Sanctuaries Act
MSW	municipal solid waste
MTD	maximum tolerated dose
NAAQS	National Ambient Air Quality Standards
NAS	National Academy of Sciences
NCI	National Cancer Institute
NCP	National Contingency Plan
NCRP	National Council on Radiation Protection and Measurements
NHPA	National Historic Preservation Act
NIOSH	National Institute of Occupational Safety and Health
NOAA	National Oceanographic and Atmospheric Administration
NOAEL	no observed adverse effect level
NOEL	no observed effect level
NORM	Naturally Occurring Radioactive Materials
NPDES	National Pollutant Discharge Elimination System
NPL	National Priorities List
NPRM	Notice of Proposed Rule Making
NRC	National Research Council or Nuclear Regulatory Commission
NTIS	National Technical Information Systems
NTP	National Toxicology Program
OERR	Office of Emergency and Remedial Response (EPA)
OGWP	Office of Ground Water Protection
OPTS	Office of Pesticides and Toxic Substances
OSC	On-Scene Coordinator
OSHA	Occupational Safety and Health Administration
OSTP	Office of Science and Technology Policy
OSW	Office of Solid Waste
OSWER	Office of Solid Waste and Emergency Response (EPA)

OTA	Office of Technology Assessment, U.S. Congress
OWPE	Office of Waste Programs Enforcement (EPA)
PA / SI	Preliminary Assessment / Site Inspection
PB-PK	physiologically based pharmacokinetic
PCB	polychlorinated biphenyl
PCDF	polychlorinated dibenzofuran
PCS	permit compliance system
PDF	probability density functions
PEL	permissible exposure limit
PF	potency factor, now called slope factor
PHS	Public Health Service
POTW	publicly owned treatment works
PPB	parts per billion
PPM	parts per million
PPT	parts per trillion
PRP	Potentially Responsible Party
QA / QC	Quality Assurance / Quality Control
RA	Risk Assessment or Remedial Action
RAG	Risk Assessment Guidance for Superfund
RCRA	Resource Conservation and Recovery Act
RfD	reference dose
RI / FS	Remedial Investigation / Feasibility Study
RMCL	recommended maximum contaminant level, now called MCLG
RME	reasonable maximum exposure
RNA	ribonucleic acid
ROD	Record of Decision
RPM	Remedial Project Manager
RTECS	Registry of Toxic Effects of Chemical Substances
SAP	sampling and analysis plan
SAR	structure-activity relationship
SARA	Superfund Amendments and Reauthorization Act of 1986
SD	standard deviation
SDWA	Safe Drinking Water Act
SEAM	Superfund Exposure Assessment Manual
SF	slope factor
SI	Site Investigation
SIP	State Implementation Plan (CAA)
SITE	Superfund Innovative Technologies Evaluation
SMCLs	Secondary Maximum Contaminant Levels
SMCRA	Surface Mining Control and Reclamation Act
SMOA	Superfund Memorandum of Agreement
SNARL	suggested no adverse response level
SPHEM	Superfund Public Health Evaluation Manual (predecessor of RAG)
SSA	Sole Source Aquifer
STEL	short-term exposure limit
SWMU	Solid Waste Management Unit

TBC	To Be Considered
TC	toxic concentration
TCDD	tetrachlorodibenzo-P-dioxin
TCDF	tetrachlorodibenzo-furan
TCE	trichloroethylene
TCLP	toxicity characteristic leachate procedure
TD	toxic dose
TDS	total dissolved solids
TEDE	Total Effective Dose Equivalent
TENR	Technologically Enhanced Natural Radiation
TI	Therapeutic Index
TIC	tentatively identified compound
TLD	Thermoluminescent Dosimeter
TLV	threshold limit value
TOC	total organic carbon
TOX	total organic halogens
TSCA	Toxic Substances Control Act
TSDF	treatment, storage or disposal facility
TSS	total suspended solids
TWA	time-weighted average
UCL	upper confidence level
UCR	unit carcinogenic risk, now called slope factor
UDS	unscheduled DNA synthesis
UF	uncertainty factor
UIC	Underground Injection Control
UNSC	United Nations Scientific Committee on the Effects of Atomic Radiation
USDW	Underground Source of Drinking Water
USGS	U.S. Geological Survey
VOC	volatile organic chemical
VSD	virtually safe dose
WHO	World Health Organization
WHP	Wellhead Protection Program
WL	working level
WLM	working level month
WQA	Water Quality Act
WQC	Water Quality Criteria