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Acronyms and Abbreviations

Acronym/ Abbreviation	Definition
° C	degrees Centigrade
° F	degrees Fahrenheit
AEGL	Acute Inhalation Exposure Guideline
AERMAP	AERMOD Terrain Data Preprocessor Program
AERMET	AERMOD Meteorological Data Preprocessor Program
AERMOD	American Meteorological Society/Environmental Protection Agency Regulatory Model
AFA	Agent Filter Area
Agent T	bis-2-[2-chloroethyl thio] ethyl or C ₈ H ₁₆ Cl ₂ OS ₂
AIEC	Acute Inhalation Exposure Criteria
ANS	Agent Neutralization System
APB	Agent Processing Building
ATSDR	Agency for Toxic Substances and Disease Registry
BPT	Bechtel Pueblo Team
BRS	Brine Reduction System
BTA	Biotreatment Area
$C_{(air)}$	calculated chemical-specific concentration in air
CAS	Chemical Abstracts Service
CBRNIAAC	Chemical, Biological, Radiological & Nuclear Defense Information Analysis Information Center
CCR	Code of Colorado Regulations
CDC	Centers for Disease Control and Prevention
CDPHE	Colorado Department of Public Health and Environment
CEFH	Child-specific Exposure Factors Handbook
CFR	Code of Federal Regulations
CHWRs	Colorado Hazardous Waste Regulations
Cl ₂	chlorine
cm	centimeter
cm ² /s	square centimeters per second
COPC	chemical of potential concern
CSF	cancer slope factor
C_y	maximum ground-level unit response concentration
D_a	diffusivity in air
D_R	calculated chemical-specific deposition rate
D_S	deposition term
D_w	diffusivity in water
D_Y	maximum ground-level unit response deposition rate
day/yr	days per year
DEM	digital elevation model
DPE	demilitarization protective ensemble
ERB	Enhanced Reconfiguration Building
ERPG	Emergency Response Planning Guideline
ft	feet
ft/s	feet per second
g/m ² -yr	grams per square meter per year
g/s	grams per second
GEP	Good Engineering Practice

Acronym/ Abbreviation	Definition
GPL	general population air exposure limit
H	Henry's Law constant
ha	hectare
HCl	hydrogen chloride
HD	sulfur mustard or bis-(2-chloroethyl) sulfide or C ₄ H ₈ Cl ₂ S
HEPA	high-efficiency particulate air
HHRAP	Human Health Risk Assessment Protocol
HI	hazard index
HI _A	acute hazard index
hr/day	hours per day
HT	mixture of approximately 60 percent HD and 40 percent Agent T (bis-2-[2-chloroethyl thio] ethyl, or C ₈ H ₁₆ Cl ₂ OS ₂)
HQ	hazard quotient
HQ _A	acute hazard quotient
ICB TM	Immobilized Cell Bioreactor
IRIS	Integrated Risk Information System
K	Kelvin
kg	kilogram
kg/day	kilograms per day
km	kilometer
kse	soil loss constant due to soil erosion
lb/hr	pounds per hour
LOAEL	lowest observed adverse effect level
µg/m ³	microgram(s) per cubic meter
m	meter
m/s	meter(s) per second
m ²	square meter
m ³ /hr	cubic meter(s) per hour
MEK	methyl ethyl ketone
mg COPC/kg of body weight-day	milligram(s) of COPC per kilogram of body weight per day
mg/m ³	milligram(s) per cubic meter
MIBK	methyl isobutyl ketone
mℓ/hr	milliliter(s) per hour
mm	millimeter
mph	mile(s) per hour
MPHRA	Multiple Pathway Health Risk Assessment
MRL	minimal risk level
MTU	Munitions Treatment Unit
MWS	Munitions Washout System
NCEA	National Center for Environmental Assessment
NOAEL	No Observed Adverse Effect Level
OEHHA	Office of Environmental Health Hazard Assessment
OSWER	Office of Solid Waste and Emergency Response
OTS	Offgas Treatment System
Pa-m ³ /mol	Pascal-cubic meter(s) per mole
PCAPP	Pueblo Chemical Agent-Destruction Pilot Plant
PCB	polychlorinated biphenyl
PCD	Pueblo Chemical Depot

Acronym/ Abbreviation	Definition
PPE	personal protective equipment
PRG	preliminary remediation goal
Q	estimated chemical-specific stack emission rate
RAGS	Risk Assessment Guidance for Superfund
rcl	cuticular resistance
RCRA	Resource Conservation and Recovery Act
RD&D	Research, Development, and Demonstration
RDX	Royal Demolition Explosive
REL	Reference Exposure Level
RfD	reference dose
RfD _i	inhalation RfD
RfD _o	oral RfD
RME	reasonably maximally exposed
s/cm	second(s) per centimeter
scfm	standard cubic feet per minute
SDU	Supplemental Decontamination Unit
SO ₂	sulfur dioxide
TEEL	Temporary Emergency Exposure Limit
TNT	trinitrotoluene
UF	uncertainty factor
US	United States
USACHPPM	US Army Center for Health Promotion and Preventive Medicine
USDA	US Department of Agriculture
USEPA	US Environmental Protection Agency
USGS	US Geological Survey
UTM	Universal Transverse Mercator
VOC	volatile organic compound
VSL	vapor screening level
WRS	Water Recovery System
yr	year

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