
ACRONYMS, ABBREVIATIONS, AND CONVERSION CHARTS

AC and MC	analytical chemistry and materials characterization
ANL-W	Argonne National Laboratory-West
BIO	Basis for Interim Operations
C	Centigrade
CEDE	cumulative effective dose equivalents
Center	Interagency Emergency Operations Center
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CEQ	Council on Environmental Quality
CFC	chlorofluorocarbons
CFR	<i>Code of Federal Regulations</i>
CMR	chemistry and metallurgy research
CMRR	chemistry and metallurgy research building replacement project
CTG	combustion turbine generators
dBA	decibels A-weighted
DCGs	Derived Concentration Guides
DoD	U.S. Department of Defense
DOE	U.S. Department of Energy
DOT	U.S. Department of Transportation
DP	Defense Programs
DSW	Directed Stockpile Work
EA	environmental assessment
EIS	environmental impact statement
EOC	Emergency Operations Center
EPA	U.S. Environmental Protection Agency
F	Fahrenheit
FR	<i>Federal Register</i>
FY	Fiscal Year
g	gravitational acceleration
GIS	geographic information system
HABS/HAER	Historic American Building Survey/Historic American Engineering Record
ICRP	International Commission on Radiological Protection
INEEL	Idaho National Engineering and Environmental Laboratory
INP	Integrated Nuclear Planning
LANL	Los Alamos National Laboratory
LANL SWEIS	<i>Site-Wide Environmental Impact Statement for Continued Operation of the Los Alamos National Laboratory</i>
LCF	latent cancer fatality
MCE	maximum considered earthquake
MCL	Maximum Contaminant Level
MEI	maximally exposed individual
mg/L	milligrams per liter

MMI	Modified Mercalli Intensity
MOA	memoranda of agreement
MPF	Modern Pit Facility
NAAQS	National Ambient Air Quality Standards
NASA	National Aeronautics and Space Administration
NCRP	National Council on Radiation Protection and Measurements
NEPA	National Environmental Policy Act
NESHAP	National Emissions Standards for Hazardous Air Pollutants
NMAC	New Mexico Administrative Code
NMED	New Mexico Environment Department
NMSA	New Mexico Statutes Annotated
NNSA	National Nuclear Security Administration
NPDES	National Pollutant Discharge Elimination System
NRC	U.S. Nuclear Regulatory Commission
NTS	Nevada Test Site
OSHA	Occupational Safety and Health Administration
PEIS	Programmatic Environmental Impact Statement
PIDAS	Perimeter Intrusion and Detection Alarm System
PM ₁₀	particulate matter less than or equal to 10 microns in aerodynamic diameter
RCRA	Resource Conservation and Recovery Act
RLWTF	Radioactive Liquid Waste Treatment Facility
RTBF	Readiness in Technical Base Facilities
SEA	Special Environmental Analysis
SNL/NM	Sandia National Laboratories/New Mexico
SNM	special nuclear material(s)
SRS	Savannah River Site
SSM	Stockpile Stewardship and Management
SWS	Sanitary Wastewater Systems
TA	technical area
TRU	transuranic waste
UC at LANL	University of California, current LANL Management and Operating contractor
USFWS	U.S. Fish and Wildlife Service
U.S.C.	<i>United States Code</i>
WIPP	Waste Isolation Pilot Plant
WR	War-Reserve

CONVERSIONS

METRIC TO ENGLISH			ENGLISH TO METRIC		
Multiply	by	To get	Multiply	by	To get
Area					
Square meters	10.764	Square feet	Square feet	0.092903	Square meters
Square kilometers	247.1	Acres	Acres	0.0040469	Square kilometers
Square kilometers	0.3861	Square miles	Square miles	2.59	Square kilometers
Hectares	2.471	Acres	Acres	0.40469	Hectares
Concentration					
Kilograms/square meter	0.16667	Tons/acre	Tons/acre	0.5999	Kilograms/square meter
Milligrams/liter	1 ^a	Parts/million	Parts/million	1 ^a	Milligrams/liter
Micrograms/liter	1 ^a	Parts/billion	Parts/billion	1 ^a	Micrograms/liter
Micrograms/cubic meter	1 ^a	Parts/trillion	Parts/trillion	1 ^a	Micrograms/cubic meter
Density					
Grams/cubic centimeter	62.428	Pounds/cubic foot	Pounds/cubic foot	0.016018	Grams/cubic centimeter
Grams/cubic meter	0.0000624	Pounds/cubic foot	Pounds/cubic foot	16,025.6	Grams/cubic meter
Length					
Centimeters	0.3937	Inches	Inches	2.54	Centimeters
Meters	3.2808	Feet	Feet	0.3048	Meters
Kilometers	0.62137	Miles	Miles	1.6093	Kilometers
Temperature					
<i>Absolute</i>					
Degrees C + 17.78	1.8	Degrees F	Degrees F - 32	0.55556	Degrees C
<i>Relative</i>					
Degrees C	1.8	Degrees F	Degrees F	0.55556	Degrees C
Velocity/Rate					
Cubic meters/second	2118.9	Cubic feet/minute	Cubic feet/minute	0.00047195	Cubic meters/second
Grams/second	7.9366	Pounds/hour	Pounds/hour	0.126	Grams/second
Meters/second	2.237	Miles/hour	Miles/hour	0.44704	Meters/second
Volume					
Liters	0.26418	Gallons	Gallons	3.78533	Liters
Liters	0.035316	Cubic feet	Cubic feet	28.316	Liters
Liters	0.001308	Cubic yards	Cubic yards	764.54	Liters
Cubic meters	264.17	Gallons	Gallons	0.0037854	Cubic meters
Cubic meters	35.314	Cubic feet	Cubic feet	0.028317	Cubic meters
Cubic meters	1.3079	Cubic yards	Cubic yards	0.76456	Cubic meters
Cubic meters	0.0008107	Acre-feet	Acre-feet	1233.49	Cubic meters
Weight/Mass					
Grams	0.035274	Ounces	Ounces	28.35	Grams
Kilograms	2.2046	Pounds	Pounds	0.45359	Kilograms
Kilograms	0.0011023	Tons (short)	Tons (short)	907.18	Kilograms
Metric tons	1.1023	Tons (short)	Tons (short)	0.90718	Metric tons
ENGLISH TO ENGLISH					
Acre-feet	325,850.7	Gallons	Gallons	0.000003046	Acre-feet
Acres	43,560	Square feet	Square feet	0.000022957	Acres
Square miles	640	Acres	Acres	0.0015625	Square miles

a. This conversion is only valid for concentrations of contaminants (or other materials) in water.

METRIC PREFIXES

Prefix	Symbol	Multiplication factor
exa-	E	1,000,000,000,000,000,000 = 10 ¹⁸
peta-	P	1,000,000,000,000,000 = 10 ¹⁵
tera-	T	1,000,000,000,000 = 10 ¹²
giga-	G	1,000,000,000 = 10 ⁹
mega-	M	1,000,000 = 10 ⁶
kilo-	k	1,000 = 10 ³
deca-	D	10 = 10 ¹
deci-	d	0.1 = 10 ⁻¹
centi-	c	0.01 = 10 ⁻²
milli-	m	0.001 = 10 ⁻³
micro-	μ	0.000 001 = 10 ⁻⁶
nano-	n	0.000 000 001 = 10 ⁻⁹
pico-	p	0.000 000 000 001 = 10 ⁻¹²