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List of Acronyms

ALARA	as low as reasonably achievable
ARARs	applicable or relevant and appropriate requirements
BCG	Biota Concentration Guides
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CFR	Code of Federal Regulations
CMT	Continuous Multi-channel Tubing
DOE	U.S. Department of Energy
EPA	U.S. Environmental Protection Agency
FCP	Fernald Closure Project
FFCA	Federal Facility Compliance Agreement
FEMP	Fernald Environmental Management Project
FRL	final remediation level
GCS/WTS	Gas Cleaning System/Water Treatment System
HEPA	high-efficiency particulate air
ICRP	International Commission on Radiological Protection
IEMP	Integrated Environmental Monitoring Plan
LMICP	Comprehensive Legacy Management and Institutional Controls Plan
NAS	National Academy of Science
NCRP	National Council on Radiation Protection
NESHAP	National Emissions Standards for Hazardous Air Pollutants
NPDES	National Pollutant Discharge Elimination System
OAC	Ohio Administrative Code
OEPA	Ohio Environmental Protection Agency
PCB	polychlorinated biphenyl
RAC	Risk Assessments Corporation
RCRA	Resource Conservation and Recovery Act
SARA	Superfund Amendment and Reauthorization Act of 1986
TLD	thermoluminescent dosimeter
TSCA	Toxic Substance Control Act
USGS	United States Geologic Survey

List of Measurement Abbreviations

cm	centimeter
ft^3	cubic feet
ft^3/sec	cubic feet per second
m^3	cubic meters
m^3/sec	cubic meters per second
yd^3	cubic yards
gpm	gallons per minute
kg	kilogram
km	kilometer
Lpm	liters per minute
µCi	microCuries
µCi/hr	microCuries per hour
µg/m^3	micrograms per cubic meter
µg/kg	micrograms per kilogram
µg/L	micrograms per liter
mCi/yr	milliCuries per year
mg/kg	milligrams per kilogram
mg/L	milligrams per liter
mGy/day	milliGray per day
M gal	million gallons
M liters	million liters
mrem	millirem
mSv	milliSievert
person-Sv	person-Sievert
pCi/m^3	picoCuries per cubic meter
pCi/g	picoCuries per gram
pCi/L	picoCuries per liter
pCi/m^2/sec	picoCuries per square meter per second
lbs	pounds
lbs/kg	pounds per kilogram
lbs/yr	pounds per year

Units (Abbreviations) and Conversion Table

Multiply	By	To Obtain	Multiply	By	To Obtain
inches (in)	2.54	centimeters (cm)	cm	0.3937	in
feet (ft)	0.3048	meters (m)	m	3.281	ft
miles (mi)	1.609	kilometers (km)	km	0.6214	mi
pounds (lb)	0.454	kilograms (kg)	kg	2.205	lb
tons	0.9072	metric tons	metric tons	1.102	tons
gallons	3.785	liters (L)	L	0.2642	gallons
square feet (ft^2)	0.0929	square meters (m^2)	m^2	10.76	ft^2
acres	0.4047	hectares	hectares	2.471	acre
cubic yards (yd^3)	0.7646	cubic meters (m^3)	m^3	1.308	yd^3
cubic feet (ft^3)	0.02832	cubic meters (m^3)	m^3	35.31	ft^3
picocuries (pCi)	10^{-12}	curies (Ci)	Ci	1012	pCi
pCi/L	10^{-6}	microcuries per liter (µCi/L)	µCi/L	106	pCi/L
Ci	3.7×10^{10}	becquerels (Bq)	Bq	2.7×10^{-11}	Ci
pCi	0.037	Bq	Bq	27.03	pCi
millirem (mrem)	0.001	rem	rem	1000	mrem
mrem	0.01	milliSievert (mSv)	mSv	100	mrem
rem	0.01	Sievert (Sv)	Sv	100	rem
mSv	0.001	Sv	Sv	1000	mSv
person-rem	0.01	person-Sv	person-Sv	100	person-rem
rad	0.01	Gray (Gy)	Gy	100	rad
milliGray (mGy)	0.001	Gy	Gy	1000	mGy
milligrams per liter (mg/L)	1000	micrograms per liter (µg/L)	µg/L	0.001	mg/L
Fahrenheit (°F)	(°F - 32) x 5/9	Celsius (°C)	°C	(°C x 9/5) + 32	°F
For Natural Uranium in Water					
pCi/L	0.0015	mg/L	mg/L	675.7	pCi/L
pCi/L	1.48	µg/L	µg/L	0.6757	pCi/L
µg/L	0.6757	pCi/L	pCi/L	1.48	µg/L
For Natural Uranium in Soil					
pCi/g	1.48	µg/g	µg/g	0.6757	pCi/g
mg/kg	1	µg/g	µg/g	1	mg/kg

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