

# Appendix H: Units of Measure

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Symbol	Name	Symbol	Name
<b>Temperature</b>		<b>Concentration</b>	
°C	degrees Celsius	ppb	parts per billion
°F	degrees Fahrenheit	ppm	parts per million
<b>Time</b>		<b>Rate</b>	
d	day	cfs	cubic feet per second
h	hour	gpm	gallons per minute
y	year	<b>Conductivity</b>	
<b>Length</b>		µmho	micromho
cm	centimeter	<b>Radioactivity</b>	
ft	foot	Ci	curie
in	inch	Ci/mL	curie per milliliter
km	kilometer	cpm	counts per minute
m	meter	mCi	millicurie
mm	millimeter	µCi	microcurie
µm	micrometer	pCi	picocurie
<b>Mass</b>		pci/L	picocurie per liter
g	gram	Bq	becquerel
kg	kilogram	<b>Radiation Dose</b>	
mg	milligram	mrad	millirad
µg	microgram	mrem	millirem
<b>Area</b>		Sv	sievert
mi <sup>2</sup>	square mile	mSv	millisievert
ft <sup>2</sup>	square foot	µSv	microsievert
<b>Volume</b>		R	roentgen
gal	gallon	mR	milliroentgen
L	liter	µR	microroentgen
mL	milliliter	Gy	gray

Fractions and Multiples of Units					
Multiple	Decimal Equivalent		Prefix	Symbol	Report Format
10 <sup>6</sup>	1,000,000		mega-	M	E+06
10 <sup>3</sup>	1,000		kilo-	k	E+03
10 <sup>2</sup>	100		hecto-	h	E+02
10	10		deka-	da	E+01
10 <sup>-1</sup>	0.1		deci-	d	E-01
10 <sup>-2</sup>	0.01		centi-	c	E-02
10 <sup>-3</sup>	0.001		milli-	m	E-03
10 <sup>-6</sup>	0.000001		micro-	μ	E-06
10 <sup>-9</sup>	0.000000001		nano-	n	E-09
10 <sup>-12</sup>	0.000000000001		pico-	p	E-12
10 <sup>-15</sup>	0.000000000000001		femto-	f	E-15
10 <sup>-18</sup>	0.000000000000000001		atto-	a	E-18

Conversion Table (Units of Radiation Measure)		
Current System	<i>Système International</i>	Conversion
curie (Ci)	becquerel (Bq)	1 Ci = 3.7x10 <sup>10</sup> Bq
rad (radiation absorbed dose)	gray (Gy)	1 rad = 0.01 Gy
rem (roentgen equivalent man)	sievert (Sv)	1 rem = 0.01 Sv

Conversion Table					
Multiply	By	To Obtain	Multiply	By	To Obtain
in	2.54	cm	cm	0.394	in
ft	0.305	m	m	3.28	ft
mi	1.61	km	km	0.621	mi
lb	0.4536	kg	kg	2.205	lb
liq qt-US	0.945	L	L	1.057	liq qt-US
ft <sup>2</sup>	0.093	m <sup>2</sup>	m <sup>2</sup>	10.764	ft <sup>2</sup>
mi <sup>2</sup>	2.59	km <sup>2</sup>	km <sup>2</sup>	0.386	mi <sup>2</sup>
ft <sup>3</sup>	0.028	m <sup>3</sup>	m <sup>3</sup>	35.31	ft <sup>3</sup>
d/m	0.450	pCi	pCi	2.22	d/m
pCi	10 <sup>-6</sup>	μCi	μCi	10 <sup>6</sup>	pCi
pCi/L (water)	10 <sup>-9</sup>	μCi/mL (water)	μCi/mL (water)	10 <sup>9</sup>	pCi/L (water)
pCi/m <sup>3</sup> (air)	10 <sup>-12</sup>	μCi/mL (air)	μCi/mL (air)	10 <sup>12</sup>	pCi/m <sup>3</sup> (air)