TABLE B-2. Airborne Particle Retention (APR) and α-Particle Self-Absorption Correction Factors for Various Filters (OEHL 1983).

Filter Type	Airborne Particle Retention (APR) Particle Diameter (μm)						α-Particle Correction Factor
	< 0.4	0.4 – 0.6	0.6 – 0.8	0.8 – 1.0	1.0 – 2.0	> 2.0	
Whatman 41	0.23	0.28	0.64	0.74	0.70	100	0.55
Whatman 4	0.23	0.32	0.38	0.79	0.74	100	NL
MSA Type S	0.48	0.47	0.77	0.92	0.94	100	NL
H-70 (18 mil)	0.993						0.4
CWS-5	0.82						NL
CWS-6	0.999						NL
Glass Fiber	0.999						0.2
Millipore	0.999						1.0

NL = Not Listed

TABLE B-3. Volumetric Concentration Conversion Factors.

Multiple # of:	by	to obtain # of
dpm/ft^3	1.6×10^{-11}	$\mu Ci/cm^3$ ($\mu Ci/ml$)
dpm/ft^3	1.6×10^{-5}	$\mu Ci/m^3$
dpm/ft^3	5.9×10^{5}	$\mu Bq/m^3$
dpm/ft^3	35	dpm/m^3
dpm/ft^3	3.5×10^{-5}	dpm/cm^3
dpm/ft^3	4.5×10^{-7}	$\mu Ci/ft^3$

TABLE B-4. Recommended Respiratory Protection Levels for Emergency Workers as a Function of Airborne Contamination [Table C5.T1, DoD 3150.8-M (DoD 1999)].

Airborne α-Radiation Activity Above Background	Respiratory Protection
Below 100 dpm/m^3	No respiratory protection needed.
100 – 10,000 dpm/m^3	Full-face respiratory protection required.
Above 10,000 dpm/m^3	Pressure demand SCBA or limited entry restricted to essential personnel wearing full-face respiratory protection.