

9 Internal Dose

Table 9.1 Radionuclides of potential significance in internal exposure

Nuclide ^a	DAC ^b ($\mu\text{Ci}/\text{ml}$)	DAC (Bq/m^3)
Mn-54	3E-7 (Class W)	1E4
Co-58	3E-7 (Class Y)	1E4
Fe-59	1E-7 (Class D)	4E3
Co-60	1E-8 (Class Y)	4E2
Zn-65	1E-7	4E3
Zr-95	5E-8 (Class D)	2E3
Tc-99	3E-7 (Class W)	1E4
Ru-103	3E-7 (Class Y)	1E4
Ru-106	5E-9 (Class Y)	2E2
I-131	2E-8 (Class D)	7E2
I-133	1E-7 (Class D)	4E3
Cs-134	4E-8 (Class D)	2E3
Cs-137	6E-8 (Class D)	2E3
Ba-140	6E-7 (Class D)	2E4
Ce-144	1E-8 (Class W)	4E2

^aStandard for internal dosimetry for mixed fission and activation products, ANSI N343, American National Standards Institute, Inc., 1978 .

^b10 CFR Part 20, Appendix B.