

Atomic No.	Radionuclide	Class	Table 1 Occupational Values			Table 2 Effluent Concentrations		Table 3 Releases to Sewers
			Col. 1 Oral Ingestion ALI ( $\mu\text{Ci}$ )	Inhalation		Col. 1 Air ( $\mu\text{Ci}/\text{m}^3$ )	Col. 2 Water ( $\mu\text{Ci}/\text{m}^3$ )	Monthly Average Concentration ( $\mu\text{Ci}/\text{m}^3$ )
				Col. 2 ALI ( $\mu\text{Ci}$ )	Col. 3 DAC ( $\mu\text{Ci}/\text{m}^3$ )			
86	Radon-222	With daughters removed With daughters present	- -	1E+4 (or 4 working level months)	4E-6 3E-8 (or 0.33 working level)	1E-8 1E-10	- -	- -
87	Francium-222 <sup>2</sup>	D, all compounds	2E+3	5E+2	2E-7	6E-10	3E-5	3E-4
87	Francium-223 <sup>2</sup>	D, all compounds	6E+2	8E+2	3E-7	1E-9	8E-6	8E-5
88	Radium-223	W, all compounds	5E+0 Bone surf (9E+0)	7E-1	3E-10	9E-13	- 1E-7	- 1E-6
88	Radium-224	W, all compounds	8E+0 Bone surf (2E+1)	2E+0	7E-10	2E-12	- 2E-7	- 2E-6
88	Radium-225	W, all compounds	8E+0 Bone surf (2E+1)	7E-1	3E-10	9E-13	- 2E-7	- 2E-6
88	Radium-226	W, all compounds	2E+0 Bone surf (5E+0)	6E-1	3E-10	9E-13	- 6E-8	- 6E-7
88	Radium-227 <sup>2</sup>	W, all compounds	2E+4 Bone surf (2E+4)	1E+4 Bone surf (2E+4)	6E-6	- 3E-8	- 3E-4	- 3E-3
88	Radium-228	W, all compounds	2E+0 Bone surf (4E+0)	1E+0	5E-10	2E-12	- 6E-8	- 6E-7
89	Actinium-224	D, all compounds except those given for W and Y	2E+3 LLI wall (2E+3)	3E+1 Bone surf (4E+1)	1E-8	- 5E-11	- 3E-5	- 3E-4
		W, halides and nitrates	-	5E+1	2E-8	7E-11	-	-
		Y, oxides and hydroxides	-	5E+1	2E-8	6E-11	-	-
89	Actinium-225	D, see <sup>224</sup> Ac	5E+1 LLI wall (5E+1)	3E-1 Bone surf (5E-1)	1E-10	- 7E-13	- 7E-7	- 7E-6
		W, see <sup>224</sup> Ac	-	6E-1	3E-10	9E-13	-	-
		Y, see <sup>224</sup> Ac	-	6E-1	3E-10	9E-13	-	-
89	Actinium-226	D, see <sup>224</sup> Ac	1E+2 LLI wall (1E+2)	3E+0 Bone surf (4E+0)	1E-9	- 5E-12	- 2E-6	- 2E-5
		W, see <sup>224</sup> Ac	-	5E+0	2E-9	7E-12	-	-
		Y, see <sup>224</sup> Ac	-	5E+0	2E-9	6E-12	-	-
89	Actinium-227	D, see <sup>224</sup> Ac	2E-1 Bone surf (4E-1)	4E-4 Bone surf (8E-4)	2E-13	- 1E-15	- 5E-9	- 5E-8
		W, see <sup>224</sup> Ac	-	2E-3 Bone surf (3E-3)	7E-13	- 4E-15	- -	- -
		Y, see <sup>224</sup> Ac	-	4E-3	2E-12	6E-15	-	-