

Table 3
POSTING LIMITS FOR RADIONUCLIDES

Radionuclide	Activity (μCi)
Hydrogen-3	10,000
Beryllium-7	10,000
Beryllium-10	10
Carbon-11	10,000
Carbon-14	1,000
Fluorine-18	10,000
Sodium-22	100
Sodium-24	1,000
Magnesium-28	1,000
Aluminum-26	100
Silicon-31	10,000
Silicon-32	10
Phosphorus-32	100
Phosphorus-33	1,000
Sulfur-35	1,000
Chlorine-36	100
Chlorine-38	10,000
Chlorine-39	10,000
Argon-39	10,000
Argon-41	10,000
Potassium-40	1,000
Potassium-42	10,000
Potassium-43	10,000
Potassium-44	10,000
Potassium-45	10,000
Calcium-41	1,000
Calcium-45	1,000
Calcium-47	1,000
Scandium-43	10,000
Scandium-44m	1,000
Scandium-44	1,000
Scandium-46	100
Scandium-47	1,000
Scandium-48	1,000
Scandium-49	10,000
Titanium-44	10
Titanium-45	10,000
Vanadium-47	10,000
Vanadium-48	1,000
Vanadium-49	10,000
Chromium-48	10,000
Chromium-49	10,000
Chromium-51	10,000
Manganese-51	10,000
Manganese-52m	10,000
Manganese-52	1,000
Manganese-53	10,000
Manganese-54	1,000
Manganese-56	10,000
Iron-52	1,000
Iron-55	1,000
Iron-59	100
Iron-60	10
Cobalt-55	1,000
Cobalt-56	100
Cobalt-57	1,000

Radionuclide	Activity (μCi)
Cobalt-58m	10,000
Cobalt-58	1,000
Cobalt-60m	10,000
Cobalt-60	10
Cobalt-61	10,000
Cobalt-62m	10,000
Nickel-56	1,000
Nickel-57	1,000
Nickel-59	1,000
Nickel-63	1,000
Nickel-65	10,000
Nickel-66	100
Copper-60	10,000
Copper-61	10,000
Copper-64	10,000
Copper-67	10,000
Zinc-62	1,000
Zinc-63	10,000
Zinc-65	100
Zinc-69m	1,000
Zinc-69	10,000
Zinc-71m	10,000
Zinc-72	1,000
Gallium-65	10,000
Gallium-66	1,000
Gallium-67	10,000
Gallium-68	10,000
Gallium-70	10,000
Gallium-72	1,000
Gallium-73	10,000
Germanium-66	10,000
Germanium-67	10,000
Germanium-68	100
Germanium-69	10,000
Germanium-71	10,000
Germanium-75	10,000
Germanium-77	10,000
Germanium-78	10,000
Arsenic-69	10,000
Arsenic-70	10,000
Arsenic-71	1,000
Arsenic-72	1,000
Arsenic-73	1,000
Arsenic-74	1,000
Arsenic-76	1,000
Arsenic-77	1,000
Arsenic-78	10,000
Selenium-70	10,000
Selenium-73m	10,000
Selenium-73	1,000
Selenium-75	1,000
Selenium-79	1,000
Selenium-81m	10,000
Selenium-81	10,000
Selenium-83	10,000
Bromine-74m	10,000

Radionuclide	Activity (μCi)
Bromine-74	10,000
Bromine-75	10,000
Bromine-76	1,000
Bromine-77	10,000
Bromine-80m	10,000
Bromine-80	10,000
Bromine-82	1,000
Bromine-83	10,000
Bromine-84	10,000
Krypton-74	10,000
Krypton-76	10,000
Krypton-77	10,000
Krypton-79	10,000
Krypton-81	10,000
Krypton-83m	10,000
Krypton-85m	10,000
Krypton-85	10,000
Krypton-87	10,000
Krypton-88	10,000
Rubidium-79	10,000
Rubidium-81m	10,000
Rubidium-81	10,000
Rubidium-82m	10,000
Rubidium-83	1,000
Rubidium-84	1,000
Rubidium-86	1,000
Rubidium-87	1,000
Rubidium-88	10,000
Rubidium-89	10,000
Strontium-80	1,000
Strontium-81	10,000
Strontium-83	1,000
Strontium-85m	10,000
Strontium-85	1,000
Strontium-87m	10,000
Strontium-89	100
Strontium-90	1
Strontium-91	1,000
Strontium-92	1,000
Yttrium-86m	10,000
Yttrium-86	1,000
Yttrium-87	1,000
Yttrium-88	100
Yttrium-90m	10,000
Yttrium-90	100
Yttrium-91m	10,000
Yttrium-91	100
Yttrium-92	1,000
Yttrium-93	1,000
Yttrium-94	10,000
Yttrium-95	10,000
Zirconium-86	1,000
Zirconium-88	100
Zirconium-89	1,000
Zirconium-93	10
Zirconium-95	100

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Radionuclide	Activity (μCi)
Zirconium-97	1,000
Niobium-88	10,000
Niobium-89m (66 min)	10,000
Niobium-89 (122 min)	10,000
Niobium-89	10,000
Niobium-90	1,000
Niobium-93m	100
Niobium-94	10
Niobium-95m	1,000
Niobium-95	1,000
Niobium-96	1,000
Niobium-97	10,000
Niobium-98	10,000
Molybdenum-90	1,000
Molybdenum-93m	1,000
Molybdenum-93	100
Molybdenum-99	1,000
Molybdenum-101	10,000
Technetium-93m	10,000
Technetium-93	10,000
Technetium-94m	10,000
Technetium-94	10,000
Technetium-96m	10,000
Technetium-96	1,000
Technetium-97m	1,000
Technetium-97	10,000
Technetium-98	100
Technetium-99m	10,000
Technetium-99	1,000
Technetium-101	10,000
Technetium-104	10,000
Ruthenium-94	10,000
Ruthenium-97	10,000
Ruthenium-103	1,000
Ruthenium-105	10,000
Ruthenium-106	10
Rhodium-99m	10,000
Rhodium-99	1,000
Rhodium-100	1,000
Rhodium-101m	10,000
Rhodium-101	100
Rhodium-102m	100
Rhodium-102	100
Rhodium-103m	10,000
Rhodium-105	1,000
Rhodium-106m	10,000
Rhodium-107	10,000
Palladium-100	1,000
Palladium-101	10,000
Palladium-103	1,000
Palladium-107	100
Palladium-109	1,000
Silver-102	10,000
Silver-103	10,000
Silver-104m	10,000
Silver-104	10,000

Radionuclide	Activity (μCi)
Silver-105	1,000
Silver-106m	1,000
Silver-106	10,000
Silver-108m	10
Silver-110m	100
Silver-111	1,000
Silver-112	1,000
Silver-115	10,000
Cadmium-104	10,000
Cadmium-107	10,000
Cadmium-109	10
Cadmium-113m	1
Cadmium-113	1,000
Cadmium-115m	100
Cadmium-115	1,000
Cadmium-117m	10,000
Cadmium-117	10,000
Indium-109	10,000
Indium-110 (69.1 min.)	10,000
Indium-110 (4.9h)	10,000
Indium-111	1,000
Indium-112	10,000
Indium-113m	10,000
Indium-114m	100
Indium-115m	10,000
Indium-115	1,000
Indium-116m	10,000
Indium-117m	10,000
Indium-117	10,000
Indium-119m	10,000
Tin-110	1,000
Tin-111	10,000
Tin-113	1,000
Tin-117m	1,000
Tin-119m	1,000
Tin-121m	1,000
Tin-121	10,000
Tin-123m	10,000
Tin-123	100
Tin-125	100
Tin-126	100
Tin-127	10,000
Tin-128	10,000
Antimony-115	10,000
Antimony-116m	10,000
Antimony-116	10,000
Antimony-117	10,000
Antimony-118m	10,000
Antimony-119	10,000
Antimony-120 (16 min.)	10,000
Antimony-120 (5.76d)	1,000
Antimony-122	1,000
Antimony-124m	10,000
Antimony-124	100
Antimony-125	1,000
Antimony-126m	10,000

Radionuclide	Activity (μCi)
Antimony-126	1,000
Antimony-127	1,000
Antimony-128 (10.4 min.)	10,000
Antimony-128 (9.01h)	1,000
Antimony-129	1,000
Antimony-130	10,000
Antimony-131	10,000
Tellurium-116	10,000
Tellurium-121m	100
Tellurium-121	1,000
Tellurium-123m	100
Tellurium-123	1,000
Tellurium-125m	100
Tellurium-127m	100
Tellurium-127	10,000
Tellurium-129m	100
Tellurium-129	10,000
Tellurium-131m	100
Tellurium-131	1,000
Tellurium-132	100
Tellurium-133m	1,000
Tellurium-133	10,000
Tellurium-134	10,000
Iodine-120m	10,000
Iodine-120	1,000
Iodine-121	10,000
Iodine-123	1,000
Iodine-124	100
Iodine-125	10
Iodine-126	10
Iodine-128	10,000
Iodine-129	10
Iodine-130	100
Iodine-131	10
Iodine-132m	1,000
Iodine-132	1,000
Iodine-133	100
Iodine-134	10,000
Iodine-135	1,000
Xenon-120	10,000
Xenon-121	10,000
Xenon-122	10,000
Xenon-123	10,000
Xenon-125	10,000
Xenon-127	10,000
Xenon-129m	10,000
Xenon-131m	10,000
Xenon-133m	10,000
Xenon-133	10,000
Xenon-135m	10,000
Xenon-135	10,000
Xenon-138	10,000
Cesium-125	10,000
Cesium-127	10,000
Cesium-129	10,000
Cesium-130	10,000

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Radionuclide	Activity (μCi)
Cesium-131	10,000
Cesium-132	1,000
Cesium-134m	10,000
Cesium-134	100
Cesium-135m	10,000
Cesium-135	1,000
Cesium-136	100
Cesium-137	100
Cesium-138	10,000
Barium-126	10,000
Barium-128	1,000
Barium-131m	10,000
Barium-131	1,000
Barium-133m	1,000
Barium-133	1,000
Barium-135m	1,000
Barium-139	10,000
Barium-140	1,000
Barium-141	10,000
Barium-142	10,000
Lanthanum-131	10,000
Lanthanum-132	1,000
Lanthanum-135	10,000
Lanthanum-137	100
Lanthanum-138	1,000
Lanthanum-140	1,000
Lanthanum-141	1,000
Lanthanum-142	10,000
Lanthanum-143	10,000
Cerium-134	1,000
Cerium-135	1,000
Cerium-137m	1,000
Cerium-137	10,000
Cerium-139	1,000
Cerium-141	1,000
Cerium-143	1,000
Cerium-144	10
Praseodymium-136	10,000
Praseodymium-137	10,000
Praseodymium-138m	10,000
Praseodymium-139	10,000
Praseodymium-142m	10,000
Praseodymium-142	1,000
Praseodymium-143	1,000
Praseodymium-144	10,000
Praseodymium-145	1,000
Praseodymium-147	10,000
Neodymium-136	10,000
Neodymium-138	1,000
Neodymium-139m	10,000
Neodymium-139	10,000
Neodymium-141	10,000
Neodymium-147	1,000
Neodymium-149	10,000
Neodymium-151	10,000
Promethium-141	10,000

Radionuclide	Activity (μCi)
Promethium-143	1,000
Promethium-144	100
Promethium-145	100
Promethium-146	10
Promethium-147	100
Promethium-148m	100
Promethium-148	100
Promethium-149	1,000
Promethium-150	10,000
Promethium-151	1,000
Samarium-141m	10,000
Samarium-141	10,000
Samarium-142	10,000
Samarium-145	1,000
Samarium-146	10
Samarium-147	1,000
Samarium-151	100
Samarium-153	1,000
Samarium-155	10,000
Samarium-156	10,000
Europium-145	1,000
Europium-146	1,000
Europium-147	1,000
Europium-148	100
Europium-149	1,000
Europium-150 (12.62h)	1,000
Europium-150 (34.2y)	10
Europium-152m	1,000
Europium-152	10
Europium-154	10
Europium-155	100
Europium-156	1,000
Europium-157	1,000
Europium-158	10,000
Gadolinium-145	10,000
Gadolinium-146	100
Gadolinium-147	1,000
Gadolinium-148	0.01
Gadolinium-149	1,000
Gadolinium-151	100
Gadolinium-152	1,000
Gadolinium-153	100
Gadolinium-159	1,000
Terbium-147	10,000
Terbium-149	1,000
Terbium-150	10,000
Terbium-151	1,000
Terbium-153	10,000
Terbium-154	1,000
Terbium-155	10,000
Terbium-156m (5.0h)	10,000
Terbium-156m (24.4h)	10,000
Terbium-156	1,000
Terbium-157	100
Terbium-158	10
Terbium-160	100

Radionuclide	Activity (μCi)
Terbium-161	1,000
Dysprosium-155	10,000
Dysprosium-157	10,000
Dysprosium-159	1,000
Dysprosium-165	10,000
Dysprosium-166	1,000
Holmium-155	10,000
Holmium-157	10,000
Holmium-159	10,000
Holmium-161	10,000
Holmium-162m	10,000
Holmium-162	10,000
Holmium-164m	10,000
Holmium-164	10,000
Holmium-166m	10
Holmium-166	1,000
Holmium-167	10,000
Erbium-161	10,000
Erbium-165	10,000
Erbium-169	1,000
Erbium-171	1,000
Erbium-172	1,000
Thulium-162	10,000
Thulium-166	1,000
Thulium-167	1,000
Thulium-170	100
Thulium-171	100
Thulium-172	1,000
Thulium-173	1,000
Thulium-175	10,000
Ytterbium-162	10,000
Ytterbium-166	1,000
Ytterbium-167	10,000
Ytterbium-169	1,000
Ytterbium-175	1,000
Ytterbium-177	10,000
Ytterbium-178	10,000
Lutetium-169	1,000
Lutetium-170	1,000
Lutetium-171	1,000
Lutetium-172	1,000
Lutetium-173	100
Lutetium-174m	100
Lutetium-174	100
Lutetium-176m	10,000
Lutetium-176	1,000
Lutetium-177m	100
Lutetium-177	1,000
Lutetium-178m	10,000
Lutetium-178	10,000
Lutetium-179	10,000
Hafnium-170	1,000
Hafnium-172	10
Hafnium-173	10,000
Hafnium-175	1,000
Hafnium-177m	10,000

Table 3
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Radionuclide	Activity (μCi)
Hafnium-178m	1
Hafnium-179m	100
Hafnium-180m	10,000
Hafnium-181	100
Hafnium-182m	10,000
Hafnium-182	1
Hafnium-183	10,000
Hafnium-184	1,000
Tantalum-172	10,000
Tantalum-173	10,000
Tantalum-174	10,000
Tantalum-175	10,000
Tantalum-176	1,000
Tantalum-177	10,000
Tantalum-178	10,000
Tantalum-179	1,000
Tantalum-180m	10,000
Tantalum-180	1,000
Tantalum-182m	10,000
Tantalum-182	100
Tantalum-183	1,000
Tantalum-184	1,000
Tantalum-185	10,000
Tantalum-186	10,000
Tungsten-176	10,000
Tungsten-177	10,000
Tungsten-178	10,000
Tungsten-179	10,000
Tungsten-181	10,000
Tungsten-185	1,000
Tungsten-187	1,000
Tungsten-188	100
Rhenium-177	10,000
Rhenium-178	10,000
Rhenium-181	10,000
Rhenium-182 (12.7h)	10,000
Rhenium-182 (64.0h)	1,000
Rhenium-184m	100
Rhenium-184	1,000
Rhenium-186m	100
Rhenium-186	1,000
Rhenium-187	10,000
Rhenium-188m	10,000
Rhenium-188	1,000
Rhenium-189	1,000
Osmium-180	10,000
Osmium-181	10,000
Osmium-182	1,000
Osmium-185	1,000
Osmium-189m	10,000
Osmium-191m	10,000
Osmium-191	1,000
Osmium-193	1,000
Osmium-194	10
Iridium-182	10,000
Iridium-184	10,000

Radionuclide	Activity (μCi)
Iridium-185	10,000
Iridium-186	1,000
Iridium-187	10,000
Iridium-188	1,000
Iridium-189	1,000
Iridium-190m	10,000
Iridium-190	1,000
Iridium-192 (73.8d)	10
Iridium-192m (1.4 min.)	100
Iridium-194m	100
Iridium-194	1,000
Iridium-195m	10,000
Iridium-195	10,000
Platinum-186	10,000
Platinum-188	1,000
Platinum-189	10,000
Platinum-191	1,000
Platinum-193m	1,000
Platinum-193	10,000
Platinum-195m	1,000
Platinum-197m	10,000
Platinum-197	1,000
Platinum-199	10,000
Platinum-200	1,000
Gold-193	10,000
Gold-194	1,000
Gold-195	100
Gold-198m	1,000
Gold-198	1,000
Gold-199	1,000
Gold-200m	1,000
Gold-200	10,000
Gold-201	10,000
Mercury-193m	1,000
Mercury-193	10,000
Mercury-194	10
Mercury-195m	1,000
Mercury-195	10,000
Mercury-197m	1,000
Mercury-197	10,000
Mercury-199m	10,000
Mercury-203	1,000
Thallium-194m	10,000
Thallium-194	10,000
Thallium-195	10,000
Thallium-197	10,000
Thallium-198m	10,000
Thallium-198	10,000
Thallium-199	10,000
Thallium-200	10,000
Thallium-201	10,000
Thallium-202	1,000
Thallium-204	1,000
Lead-195m	10,000
Lead-198	10,000
Lead-199	10,000

Radionuclide	Activity (μCi)
Lead-200	1,000
Lead-201	10,000
Lead-202m	10,000
Lead-202	100
Lead-203	10,000
Lead-205	1,000
Lead-209	10,000
Lead-210	0.10
Lead-211	1,000
Lead-212	10
Lead-214	1,000
Bismuth-200	10,000
Bismuth-201	10,000
Bismuth-202	10,000
Bismuth-203	1,000
Bismuth-205	1,000
Bismuth-206	1,000
Bismuth-207	100
Bismuth-210m	1
Bismuth-210	10
Bismuth-212	100
Bismuth-213	100
Bismuth-214	1,000
Polonium-203	10,000
Polonium-205	10,000
Polonium-207	10,000
Polonium-210	1
Astatine-207	1,000
Astatine-211	100
Radon-220	10
Radon-222	10
Francium-222	1,000
Francium-223	1,000
Radium-223	1
Radium-224	1
Radium-225	1
Radium-226	1
Radium-227	10,000
Radium-228	1
Actinium-224	10
Actinium-225	0.10
Actinium-226	1
Actinium-227	0.01
Actinium-228	10
Thorium-226	100
Thorium-227	0.10
Thorium-228	0.01
Thorium-229	0.01
Thorium-230	0.01
Thorium-231	1,000
Thorium-232	1,000
Thorium-234	100
Thorium-natural	1,000
Protactinium-227	100
Protactinium-228	10
Protactinium-230	0.10

**Table 3
POSTING LIMITS FOR RADIONUCLIDES**

Radionuclide	Activity (μCi)
Protactinium-231	0.01
Protactinium-232	10
Protactinium-233	1,000
Protactinium-234	1,000
Uranium-230	0.10
Uranium-231	1,000
Uranium-232	0.01
Uranium-233	0.01
Uranium-234	0.01
Uranium-235	0.01
Uranium-236	0.01
Uranium-237	1,000
Uranium-238	1,000
Uranium-239	10,000
Uranium-240	1,000
Uranium-natural	1,000
Neptunium-232	1,000
Neptunium-233	10,000
Neptunium-234	1,000
Neptunium-235	1,000
Neptunium-236 (1.15x105y)	0.01
Neptunium-236 (22.5h)	10
Neptunium-237	0.01
Neptunium-238	100
Neptunium-239	1,000
Neptunium-240	10,000
Plutonium-234	100
Plutonium-235	10,000
Plutonium-236	0.01
Plutonium-237	1,000
Plutonium-238	0.01
Plutonium-239	0.01
Plutonium-240	0.01
Plutonium-241	0.10
Plutonium-242	0.01
Plutonium-243	10,000
Plutonium-244	0.01
Plutonium-245	1,000
Americium-237	10,000
Americium-238	1,000
Americium-239	10,000
Americium-240	1,000
Americium-241	0.01
Americium-242m	0.01
Americium-242	100
Americium-243	0.01
Americium-244m	1,000
Americium-244	100
Americium-245	10,000
Americium-246m	10,000
Americium-246	10,000
Curium-238	1,000
Curium-240	1
Curium-241	10
Curium-242	0.10
Curium-243	0.01

Radionuclide	Activity (μCi)
Curium-244	0.01
Curium-245	0.01
Curium-246	0.01
Curium-247	0.01
Curium-248	0.01
Curium-249	10,000
Berkelium-245	1,000
Berkelium-246	1,000
Berkelium-247	0.01
Berkelium-249	1
Berkelium-250	100
Californium-244	1,000
Californium-246	10
Californium-248	0.10
Californium-249	0.01
Californium-250	0.01
Californium-251	0.01
Californium-252	0.01
Californium-253	1
Californium-254	0.01
Einsteinium-250	1,000
Einsteinium-251	1,000
Einsteinium-253	1
Einsteinium-254m	10
Einsteinium-254	0.10
Fermium-252	10
Fermium-253	10
Fermium-254	100
Fermium-255	10
Fermium-257	0.10
Mendelevium-257	100
Mendelevium-258	0.10

**For posting limits of radionuclides
other than those listed, contact:**

**Radiation Safety Service
1239 Kipke Drive 1010
(734) 764-6200**