**Section 330.APPENDIX D Limits for Licenses of Broad Scope (Section 330.270)**

|  | | Column I | | | | Column II | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Radioactive Material | | GBq | | Ci | | GBq | Ci |
| Antimony-122 | | 37 | | 1 | | 0.37 | 0.01 |
| Antimony-124 | | 37 | | 1 | | 0.37 | 0.01 |
| Antimony-125 | | 37 | | 1 | | 0.37 | 0.01 |
| Arsenic-73 | | 370 | | 10 | | 3.7 | 0.1 |
| Arsenic-74 | | 37 | | 1 | | 0.37 | 0.01 |
| Arsenic-76 | | 37 | | 1 | | 0.37 | 0.01 |
| Arsenic-77 | | 370 | | 10 | | 3.7 | 0.1 |
| Barium-131 | | 370 | | 10 | | 3.7 | 0.1 |
| Barium-140 | | 37 | | 1 | | 0.37 | 0.01 |
| Beryllium-7 | | 370 | | 10 | | 3.7 | 0.1 |
| Bismuth-210 | | 3.7 | | 0.1 | | 0.037 | 0.001 |
| Bromine-82 | | 370 | | 10 | | 3.7 | 0.1 |
| Cadmium-109 | | 37 | | 1 | | 0.37 | 0.01 |
| Cadmium-115m | | 37 | | 1 | | 0.37 | 0.01 |
| Cadmium-115 | | 370 | | 10 | | 3.7 | 0.1 |
| Calcium-45 | | 37 | | 1 | | 0.37 | 0.01 |
| Calcium-47 | | 370 | | 10 | | 3.7 | 0.1 |
| Carbon-14 | | 3,700 | | 100 | | 37 | 1. |
| Cerium-141 | | 370 | | 10 | | 3.7 | 0.1 |
| Cerium-143 | | 370 | | 10 | | 3.7 | 0.1 |
| Cerium-144 | | 3.7 | | 0.1 | | 0.037 | 0.001 |
| Cesium-131 | | 3,700 | | 100 | | 37 | 1 |
| Cesium-134m | | 3,700 | | 100 | | 37 | 1 |
| Cesium-134 | | 3.7 | | 0.1 | | 0.037 | 0.001 |
| Cesium-135 | | 37 | | 1 | | 0.37 | 0.01 |
| Cesium-136 | | 370 | | 10 | | 3.7 | 0.1 |
| Cesium-137 | | 3.7 | | 0.1 | | 0.037 | 0.001 |
| Chlorine-36 | | 37 | | 1 | | 0.37 | 0.01 |
| Chlorine-38 | | 3,700 | | 100 | | 37 | 1. |
| Chromium-51 | | 3,700 | | 100 | | 37 | 1. |
| Cobalt-57 | | 370 | | 10 | | 3.7 | 0.1 |
| Cobalt-58m | | 3,700 | | 100 | | 37 | 1. |
| Cobalt-58 | | 37 | | 1 | | 0.37 | 0.01 |
| Cobalt-60 | | 3.7 | | 0.1 | | 0.037 | 0.001 |
| Copper-64 | | 370 | | 10 | | 3.7 | 0.1 |
| Dysprosium-165 | | 3,700 | | 100 | | 37 | 1. |
| Dysprosium-166 | | 370 | | 10 | | 3.7 | 0.1 |
| Erbium-169 | | 370 | | 10 | | 3.7 | 0.1 |
| Erbium-171 | | 370 | | 10 | | 3.7 | 0.1 |
| Europium-152 (9.2 h) | | 370 | | 10 | | 3.7 | 0.1 |
| Europium-152 (13 y) | | 3.7 | | 0.1 | | 0.037 | 0.001 |
| Europium-154 | | 3.7 | | 0.1 | | 0.037 | 0.001 |
| Europium-155 | | 37 | | 1 | | 0.37 | 0.01 |
| Fluorine-18 | | 3,700 | | 100 | | 37 | 1. |
| Gadolinium-153 | | 37 | | 1 | | 0.37 | 0.01 |
| Gadolinium-159 | | 370 | | 10 | | 3.7 | 0.1 |
| Gallium-72 | | 370 | | 10 | | 3.7 | 0.1 |
| Germanium-71 | | 3,700 | | 100 | | 37 | 1. |
| Gold-198 | | 370 | | 10 | | 3.7 | 0.1 |
| Gold-199 | | 370 | | 10 | | 3.7 | 0.1 |
| Hafnium-181 | | 37 | | 1 | | 0.37 | 0.01 |
| Holmium-166 | | 370 | | 10 | | 3.7 | 0.1 |
| Hydrogen-3 | | 3,700 | | 100 | | 37 | 1. |
| Indium-113m | | 3,700 | | 100 | | 37 | 1. |
| Indium-114m | | 37 | | 1 | | 0.37 | 0.01 |
| Indium-115m | | 3,700 | | 100 | | 37 | 1. |
| Indium-115 | | 37 | | 1 | | 0.37 | 0.01 |
| Iodine-125 | | 3.7 | | 0.1 | | 0.037 | 0.001 |
| Iodine-126 | | 3.7 | | 0.1 | | 0.037 | 0.001 |
| Iodine-129 | | 3.7 | | 0.1 | | 0.037 | 0.001 |
| Iodine-131 | | 3.7 | | 0.1 | | 0.037 | 0.001 |
| Iodine-132 | | 370 | | 10 | | 3.7 | 0.1 |
| Iodine-133 | | 37 | | 1 | | 0.37 | 0.01 |
| Iodine-134 | | 370 | | 10 | | 3.7 | 0.1 |
| Iodine-135 | | 37 | | 1 | | 0.37 | 0.01 |
| Iridium-192 | | 37 | | 1 | | 0.37 | 0.01 |
| Iridium-194 | | 370 | | 10 | | 3.7 | 0.1 |
| Iron-55 | | 370 | | 10 | | 3.7 | 0.1 |
| Iron-59 | | 37 | | 1 | | 0.37 | 0.01 |
| Krypton-85 | | 3,700 | | 100 | | 37 | 1. |
| Krypton-87 | | 370 | | 10 | | 3.7 | 0.1 |
| Lanthanum-140 | | 37 | | 1 | | 0.37 | 0.01 |
| Lutetium-177 | | 370 | | 10 | | 3.7 | 0.1 |
| Manganese-52 | | 37 | | 1 | | 0.37 | 0.01 |
| Manganese-54 | | 37 | | 1 | | 0.37 | 0.01 |
| Manganese-56 | | 370 | | 10 | | 3.7 | 0.1 |
| Mercury-197m | | 370 | | 10 | | 3.7 | 0.1 |
| Mercury-197 | | 370 | | 10 | | 3.7 | 0.1 |
| Mercury-203 | | 37 | | 1 | | 0.37 | 0.01 |
| Molybdenum-99 | | 370 | | 10 | | 3.7 | 0.1 |
| Neodymium-147 | | 370 | | 10 | | 3.7 | 0.1 |
| Neodymium-149 | | 370 | | 10 | | 3.7 | 0.1 |
| Nickel-59 | | 370 | | 10 | | 3.7 | 0.1 |
| Nickel-63 | | 37 | | 1 | | 0.37 | 0.01 |
| Nickel-65 | | 370 | | 10 | | 3.7 | 0.1 |
| Niobium-93m | | 37 | | 1 | | 0.37 | 0.01 |
| Niobium-95 | | 37 | | 1 | | 0.37 | 0.01 |
| Niobium-97 | | 3,700 | | 100 | | 37 | 1. |
| Osmium-185 | | 37 | | 1 | | 0.37 | 0.01 |
| Osmium-191m | | 3,700 | | 100 | | 37 | 1. |
| Osmium-191 | | 370 | | 10 | | 3.7 | 0.1 |
| Osmium-193 | | 370 | | 10 | | 3.7 | 0.1 |
| Palladium-103 | | 370 | | 10 | | 3.7 | 0.1 |
| Palladium-109 | | 370 | | 10 | | 3.7 | 0.1 |
| Phosphorus-32 | | 37 | | 1 | | 0.37 | 0.01 |
| Platinum-191 | | 370 | | 10 | | 3.7 | 0.1 |
| Platinum-193m | | 3,700 | | 100 | | 37 | 1. |
| Platinum-193 | | 370 | | 10 | | 3.7 | 0.1 |
| Platinum-197m | | 3,700 | | 100 | | 37 | 1. |
| Platinum-197 | | 370 | | 10 | | 3.7 | 0.1 |
| Polonium-210 | | 0.37 | | 0.01 | | 0.0037 | 0.0001 |
| Potassium-42 | | 37 | | 1 | | 0.37 | 0.01 |
| Praseodymium-142 | | 370 | | 10 | | 3.7 | 0.1 |
| Praseodymium-143 | | 370 | | 10 | | 3.7 | 0.1 |
| Promethium-147 | | 37 | | 1 | | 0.37 | 0.01 |
| Promethium-149 | | 370 | | 10 | | 3.7 | 0.1 |
| Radium-226 | | 0.37 | | 0.01 | | 0.0037 | 0.0001 |
| Rhenium-186 | | 370 | | 10 | | 3.7 | 0.1 |
| Rhenium-188 | | 370 | | 10 | | 3.7 | 0.1 |
| Rhodium-103m | | 37,000 | | 1,000 | | 370 | 10. |
| Rhodium-105 | | 370 | | 10 | | 3.7 | 0.1 |
| Rubidium-86 | | 37 | | 1 | | 0.37 | 0.01 |
| Rubidium-87 | | 37 | | 1 | | 0.37 | 0.01 |
| Ruthenium-97 | | 3,700 | | 100 | | 37 | 1. |
| Ruthenium-103 | | 37 | | 1 | | 0.37 | 0.01 |
| Ruthenium-105 | | 370 | | 10 | | 3.7 | 0.1 |
| Ruthenium-106 | | 3.7 | | 0.1 | | 0.037 | 0.001 |
| Samarium-151 | | 37 | | 1 | | 0.37 | 0.01 |
| Samarium-153 | | 370 | | 10 | | 3.7 | 0.1 |
| Scandium-46 | | 37 | | 1 | | 0.37 | 0.01 |
| Scandium-47 | | 370 | | 10 | | 3.7 | 0.1 |
| Scandium-48 | | 37 | | 1 | | 0.37 | 0.01 |
| Selenium-75 | | 37 | | 1 | | 0.37 | 0.01 |
| Silicon-31 | | 370 | | 10 | | 3.7 | 0.1 |
| Silver-105 | | 37 | | 1 | | 0.37 | 0.01 |
| Silver-110m | 3.7 | | 0.1 | | 0.037 | | 0.001 |
| Silver-111 | 370 | | 10 | | 3.7 | | 0.1 |
| Sodium-22 | 3.7 | | 0.1 | | 0.037 | | 0.001 |
| Sodium-24 | 37 | | 1 | | 0.37 | | 0.01 |
| Strontium-85m | 37,000 | | 1,000 | | 370 | | 10 |
| Strontium-85 | 37 | | 1 | | 0.37 | | 0.01 |
| Strontium-89 | 37 | | 1 | | 0.37 | | 0.01 |
| Strontium-90 | 0.37 | | 0.01 | | 0.0037 | | 0.0001 |
| Strontium-91 | 370 | | 10 | | 3.7 | | 0.1 |
| Strontium-92 | 370 | | 10 | | 3.7 | | 0.1 |
| Sulfur-35 | 370 | | 10 | | 3.7 | | 0.1 |
| Tantalum-182 | 37 | | 1 | | 0.37 | | 0.01 |
| Technetium-96 | 370 | | 10 | | 3.7 | | 0.1 |
| Technetium-97m | 370 | | 10 | | 3.7 | | 0.1 |
| Technetium-97 | 370 | | 10 | | 3.7 | | 0.1 |
| Technetium-99m | 3,700 | | 100 | | 37 | | 1. |
| Technetium-99 | 37 | | 1 | | 0.37 | | 0.01 |
| Tellurium-125m | 37 | | 1 | | 0.37 | | 0.01 |
| Tellurium-127m | 37 | | 1 | | 0.37 | | 0.01 |
| Tellurium-127 | 370 | | 10 | | 3.7 | | 0.1 |
| Tellurium-129m | 37 | | 1 | | 0.37 | | 0.01 |
| Tellurium-129 | 3,700 | | 100 | | 37 | | 1. |
| Tellurium-131m | 370 | | 10 | | 3.7 | | 0.1 |
| Tellurium-132 | 37 | | 1 | | 0.37 | | 0.01 |
| Terbium-160 | 37 | | 1 | | 0.37 | | 0.01 |
| Thallium-200 | 370 | | 10 | | 3.7 | | 0.1 |
| Thallium-201 | 370 | | 10 | | 3.7 | | 0.1 |
| Thallium-202 | 370 | | 10 | | 3.7 | | 0.1 |
| Thallium-204 | 37 | | 1 | | 0.37 | | 0.01 |
| Thulium-170 | 37 | | 1 | | 0.37 | | 0.01 |
| Thulium-171 | 37 | | 1 | | 0.37 | | 0.01 |
| Tin-113 | 37 | | 1 | | 0.37 | | 0.01 |
| Tin-125 | 37 | | 1 | | 0.37 | | 0.01 |
| Tungsten-181 | 37 | | 1 | | 0.37 | | 0.01 |
| Tungsten-185 | 37 | | 1 | | 0.37 | | 0.01 |
| Tungsten-187 | 370 | | 10 | | 3.7 | | 0.1 |
| Vanadium-48 | 37 | | 1 | | 0.37 | | 0.01 |
| Xenon-131m | 37,000 | | 1,000 | | 370 | | 10. |
| Xenon-133 | 3,700 | | 100 | | 37 | | 1. |
| Xenon-135 | 3,700 | | 100 | | 37 | | 1. |
| Ytterbium-175 | 370 | | 10 | | 3.7 | | 0.1 |
| Yttrium-90 | 37 | | 1 | | 0.37 | | 0.01 |
| Yttrium-91 | | 37 | | 1 | | 0.37 | 0.01 |
| Yttrium-92 | | 370 | | 10 | | 3.7 | 0.1 |
| Yttrium-93 | | 37 | | 1 | | 0.37 | 0.01 |
| Zinc-65 | | 37 | | 1 | | 0.37 | 0.01 |
| Zinc-69m | | 370 | | 10 | | 3.7 | 0.1 |
| Zinc-69 | | 3,700 | | 100 | | 37 | 1. |
| Zirconium-93 | | 37 | | 1 | | 0.37 | 0.01 |
| Zirconium-95 | | 37 | | 1 | | 0.37 | 0.01 |
| Zirconium-97 | | 37 | | 1 | | 0.37 | 0.01 |
| Any radioactive material other than source material, special nuclear material, or alpha emitting radioactive material not listed above. | |  | |  | |  |  |
| 3.7 | | 0.1 | | 0.037 | 0.001 |

(Source: Amended at 46 Ill. Reg. 866, effective December 21, 2021)