**Section 330.APPENDIX B Exempt Quantities**

|  |  |  |
| --- | --- | --- |
| Radioactive Material | kBq | microCi |
| Antimony-122 | (Sb-122) | 3,700 | 100 |
| Antimony-124 | (Sb-124) | 370 | 10 |
| Antimony-125 | (Sb-125) | 370 | 10 |
| Arsenic-73 | (As-73) | 3,700 | 100 |
| Arsenic-74 | (As-74) | 370 | 10 |
| Arsenic-76 | (As-76) | 370 | 10 |
| Arsenic-77 | (As-77) | 3,700 | 100 |
| Barium-131 | (Ba-131) | 370 | 10 |
| Barium-133 | (Ba-133) | 370 | 10 |
| Barium-140 | (Ba-140) | 370 | 10 |
| Bismuth-210 | (Bi-210) | 37 | 1 |
| Bromine-82 | (Br-82) | 370 | 10 |
| Cadmium-109 | (Cd-109) | 370 | 10 |
| Cadmium-115m | (Cd-115m) | 370 | 10 |
| Cadmium-115 | (Cd-115) | 3,700 | 100 |
| Calcium-45 | (Ca-45) | 370 | 10 |
| Calcium-47 | (Ca-47) | 370 | 10 |
| Carbon-14 | (C-14) | 3,700 | 100 |
| Cerium-141 | (Ce-141) | 3,700 | 100 |
| Cerium-143 | (Ce-143) | 3,700 | 100 |
| Cerium-144 | (Ce-144) | 37 | 1 |
| Cesium-129 | (Cs-129) | 3,700 | 100 |
| Cesium-131 | (Cs-131) | 37,000 | 1,000 |
| Cesium-134m | (Cs-134m) | 3,700 | 100 |
| Cesium-134 | (Cs-134) | 37 | 1 |
| Cesium-135 | (Cs-135) | 370 | 10 |
| Cesium-136 | (Cs-136) | 370 | 10 |
| Cesium-137 | (Cs-137) | 370 | 10 |
| Chlorine-36 | (Cl-36) | 370 | 10 |
| Chlorine-38 | (Cl-38) | 370 | 10 |
| Chromium-51 | (Cr-51) | 37,000 | 1,000 |
| Cobalt-57 | (Co-57) | 3,700 | 100 |
| Cobalt-58m | (Co-58m) | 370 | 10 |
| Cobalt-58 | (Co-58) | 370 | 10 |
| Cobalt-60 | (Co-60) | 37 | 1 |
| Copper-64 | (Cu-64) | 3,700 | 100 |
| Dysprosium-165 | (Dy-165) | 370 | 10 |
| Dysprosium-166 | (Dy-166) | 3,700 | 100 |
| Erbium-169 | (Er-169) | 3,700 | 100 |
| Erbium-171 | (Er-171) | 3,700 | 100 |
| Europium-152 | (Eu-152)(9.2h) | 3,700 | 100 |
| Europium-152 | (Eu-152)(13 yr) | 37 | 1 |

|  |  |  |
| --- | --- | --- |
| Radioactive Material | kBq | microCi |
| Europium-154 | (Eu-154) | 37 | 1 |
| Europium-155 | (Eu-155) | 370 | 10 |
| Fluorine-18 | (F-18) | 37,000 | 1,000 |
| Gadolinium-153 | (Gd-153) | 370 | 10 |
| Gadolinium-159 | (Gd-159) | 3,700 | 100 |
| Gallium-67 | (Ga-67) | 3,700 | 100 |
| Gallium-72 | (Ga-72) | 370 | 10 |
| Germanium-68 | (Ge-68) | 370 | 10 |
| Germanium-71 | (Ge-71) | 3,700 | 100 |
| Gold-195 | (Au-195) | 370 | 10 |
| Gold-198 | (Au-198) | 3,700 | 100 |
| Gold-199 | (Au-199) | 3,700 | 100 |
| Hafnium-181 | (Hf-181) | 370 | 10 |
| Holmium-166 | (Ho-166) | 3,700 | 100 |
| Hydrogen-3 | (H-3) | 37,000 | 1,000 |
| Indium-111 | (In-111) | 3,700 | 100 |
| Indium-113m | (In-113m) | 3,700 | 100 |
| Indium-114m | (In-114m) | 370 | 10 |
| Indium-115m | (In-115m) | 3,700 | 100 |
| Indium-115 | (In-115) | 370 | 10 |
| Iodine-123 | (I-123) | 3,700 | 100 |
| Iodiue-125 | (I-125) | 37 | 1 |
| Iodine-126 | (I-126) | 37 | 1 |
| Iodine-129 | (I-129) | 3.7 | 0.1 |
| Iodine-131 | (I-131) | 37 | 1 |
| Iodine-132 | (I-132) | 370 | 10 |
| Iodine-133 | (I-133) | 37 | 1 |
| Iodine-134 | (I-134) | 370 | 10 |
| Iodine-135 | (I-135) | 370 | 10 |
| Iridium-192 | (Ir-192) | 370 | 10 |
| Iridium-194 | (Ir-194) | 3,700 | 100 |
| Iron-52 | (Fe-52) | 370 | 10 |
| Iron-55 | (Fe-55) | 3,700 | 100 |
| Iron-59 | (Fe-59) | 370 | 10 |
| Krypton-85 | (Kr-85) | 3,700 | 100 |
| Krypton-87 | (Kr-87) | 370 | 10 |
| Lanthanum-140 | (La-140) | 370 | 10 |
| Lutetium-177 | (Lu-177) | 3,700 | 100 |
| Manganese-52 | (Mn-52) | 370 | 10 |
| Manganese-54 | (Mn-54) | 370 | 10 |
| Manganese-56 | (Mn-56) | 370 | 10 |
| Mercury-197m | (Hg-197m) | 3,700 | 100 |
| Mercury-197 | (Hg-197) | 3,700 | 100 |
| Mercury-203 | (Hg-203) | 370 | 10 |

|  |  |  |
| --- | --- | --- |
| Radioactive Material | kBq | microCi |
| Molybdenum-99 | (Mo-99) | 3,700 | 100 |
| Neodymium-147 | (Nd-147) | 3,700 | 100 |
| Neodymium-149 | (Nd-149) | 3,700 | 100 |
| Nickel-59 | (Ni-59) | 3,700 | 100 |
| Nickel-63 | (Ni-63) | 370 | 10 |
| Nickel-65 | (Ni-65) | 3,700 | 100 |
| Niobium-93m | (Nb-93m) | 370 | 10 |
| Niobium-95 | (Nb-95) | 370 | 10 |
| Niobium-97 | (Nb-97) | 370 | 10 |
| Osmium-185 | (Os-185) | 370 | 10 |
| Osmium-191m | (Os-191m) | 3,700 | 100 |
| Osmium-191 | (Os-191) | 3,700 | 100 |
| Osmium-193 | (Os-193) | 3,700 | 100 |
| Palladium-103 | (Pd-103) | 3,700 | 100 |
| Palladium-109 | (Pd-109) | 3,700 | 100 |
| Phosphorus-32 | (P-32) | 370 | 10 |
| Platinum-191 | (Pt-191) | 3,700 | 100 |
| Platinum-193m | (Pt-193m) | 3,700 | 100 |
| Platinum-193 | (Pt-193) | 3,700 | 100 |
| Platinum-197m | (Pt-197m) | 3,700 | 100 |
| Platinum-197 | (Pt-197) | 3,700 | 100 |
| Polonium-210 | (Po-210) | 3.7 | 0.1 |
| Potassium-42 | (K-42) | 370 | 10 |
| Potassium-43 | (K-43) | 370 | 10 |
| Praseodymium-142 | (Pr-142) | 3,700 | 100 |
| Praseodymium-143 | (Pr-143) | 3,700 | 100 |
| Promethium-147 | (Pm-147) | 370 | 10 |
| Promethium-149 | (Pm-149) | 370 | 10 |
| Rhenium-186 | (Re-186) | 3,700 | 100 |
| Rhenium-188 | (Re-188) | 3,700 | 100 |
| Rhodium-103m | (Rh-103m) | 3,700 | 100 |
| Rhodium-105 | (Rh-105) | 3,700 | 100 |
| Rubidium-81 | (Rb-81) | 370 | 10 |
| Rubidium-86 | (Rb-86) | 370 | 10 |
| Rubidium-87 | (Rb-87) | 370 | 10 |
| Ruthenium-97 | (Ru-97) | 3,700 | 100 |
| Ruthenium-103 | (Ru-103) | 370 | 10 |
| Ruthenium-105 | (Ru-105) | 370 | 10 |
| Ruthenium-106 | (Ru-106) | 37 | 1 |
| Samarium-151 | (Sm-151) | 370 | 10 |
| Samarium-153 | (Sm-153) | 3,700 | 100 |
| Scandium-46 | (Sc-46) | 370 | 10 |
| Scandium-47 | (Sc-47) | 3,700 | 100 |
| Scandium-48 | (Sc-48) | 370 | 10 |

|  |  |  |
| --- | --- | --- |
| Radioactive Material | kBq | microCi |
| Selenium-75 | (Se-75) | 370 | 10 |
| Silicon-31 | (Si-31) | 3,700 | 100 |
| Silver-105 | (Ag-105) | 370 | 10 |
| Silver-110m | (Ag-110m) | 37 | 1 |
| Silver-111 | (Ag-111) | 3,700 | 100 |
| Sodium-22 | (Na-22) | 370 | 10 |
| Sodium-24 | (Na-24) | 370 | 10 |
| Strontium-85 | (Sr-85) | 370 | 10 |
| Strontium-89 | (Sr-89) | 37 | 1 |
| Strontium-90 | (Sr-90) | 3.7 | 0.1 |
| Strontium-91 | (Sr-91) | 370 | 10 |
| Strontium-92 | (Sr-92) | 370 | 10 |
| Sulfur-35 | (S-35) | 3,700 | 100 |
| Tantalum-182 | (Ta-182) | 370 | 10 |
| Technetium-96 | (Tc-96) | 370 | 10 |
| Technetium-97m | (Tc-97m) | 3,700 | 100 |
| Technetium-97 | (Tc-97) | 3,700 | 100 |
| Technetium-99m | (Tc-99m) | 3,700 | 100 |
| Technetium-99 | (Tc-99) | 370 | 10 |
| Tellurium-125m | (Te-125m) | 370 | 10 |
| Tellurium-127m | (Te-127m) | 370 | 10 |
| Tellurium-127 | (Te-127) | 3,700 | 100 |
| Tellurium-129m | (Te-129m) | 370 | 10 |
| Tellurium-129 | (Te-129) | 3,700 | 100 |
| Tellurium-131m | (Te-131m) | 370 | 10 |
| Tellurium-132 | (Te-132) | 370 | 10 |
| Terbium-160 | (Tb-160) | 370 | 10 |
| Thallium-200 | (Tl-200) | 3,700 | 100 |
| Thallium-201 | (Tl-201) | 3,700 | 100 |
| Thallium-202 | (Tl-202) | 3,700 | 100 |
| Thallium-204 | (Tl-204) | 370 | 10 |
| Thulium-170 | (Tm-170) | 370 | 10 |
| Thulium-171 | (Tm-171) | 370 | 10 |
| Tin-113 | (Sn-113) | 370 | 10 |
| Tin-125 | (Sn-125) | 370 | 10 |
| Tungsten-181 | (W-181) | 370 | 10 |
| Tungsten-185 | (W-185) | 370 | 10 |
| Tungsten-187 | (W-187) | 3,700 | 100 |
| Vanadium-48 | (V-48) | 370 | 10 |
| Xenon-131m | (Xe-131m) | 37,000 | 1,000 |
| Xenon-133 | (Xe-133) | 3,700 | 100 |
| Xenon-135 | (Xe-135) | 3,700 | 100 |
| Ytterbium-175 | (Yb-175) | 3,700 | 100 |
| Yttrium-87 | (Y-87) | 370 | 10 |

|  |  |  |
| --- | --- | --- |
| Radioactive Material | kBq | microCi |
| Yttrium-88 | (Y-88) | 370 | 10 |
| Yttrium-90 | (Y-90) | 370 | 10 |
| Yttrium-91 | (Y-91) | 370 | 10 |
| Yttrium-92 | (Y-92) | 3,700 | 100 |
| Yttrium-93 | (Y-93) | 3,700 | 100 |
| Zinc-65 | (Zn-65) | 370 | 10 |
| Zinc-69m | (Zn-69m) | 3,700 | 100 |
| Zinc-69 | (Zn-69) | 37,000 | 1,000 |
| Zirconium-93 | (Zr-93) | 370 | 10 |
| Zirconium-95 | (Zr-95) | 370 | 10 |
| Zirconium-97 | (Zr-97) | 370 | 10 |

|  |  |  |
| --- | --- | --- |
| Any radioactive material not listed above other than alpha-emitting radioactive material | 3.7 | 0.1 |

(Source: Amended at 18 Ill. Reg. 5553, effective March 29, 1994)