

Figure: 25 TAC §289.252(jj)(2)

| RADIONUCLIDES  | Limit       | Unsealed Sources |                 |                 | Sealed Sources   |                  |
|--|-------------|------------------|-----------------|-----------------|------------------|------------------|
|  |             | 10 <sup>3</sup>  | 10 <sup>4</sup> | 10 <sup>5</sup> | 10 <sup>10</sup> | 10 <sup>12</sup> |
| Pr-141 Gd-152 Bi-209m U-232 Pu-240 Cm-245 Cf-252<br>Ce-142 Dy-154 Po-208 U-233 Pu-241 Cm-246 Es-254<br>Nd-144 Dy-156 Po-209 U-234 Pu-242 Cm-247<br>Nd-145 Tb-159 Po-210 U-235 Pu-244 Cm-248<br>Sm-146 Ho-165 Ra-226 U-236 Am-241 Bk-247<br>Sm-147 Hf-174 Ac-227 Np-235 Am-242m Bk-249<br>Sm-148 W-180 Th-228 Np-237 Am-243 Cf-248<br>Gd-148 Pt-190 Th-229 Pu-236 Cm-242 Cf-249<br>Gd-150 Pb-210 Th-230 Pu-238 Cm-243 Cf-250<br>Gd-151 Bi-209 Pa-231 Pu-239 Cm-244 Cf-251<br><br>and any alpha-emitting radionuclide not listed above or mixtures of alpha emitters of unknown composition.   | 0.01<br>μCi | 0.01 mCi         | 0.1 mCi         | 1.0 mCi         | 100 Ci           | 10 kCi           |
| Be-10 Fe-60 Rh-102 Te-123 Sm-145 Lu-175 Ir-199m<br>Al-26 Zn-70 Pd-107 Te-130 Nd-150 Lu-176 Pt-192<br>Si-32 Ge-68 Ag-108m I-129 Eu-150 Lu-177m Pt-198<br>Ar-39 Ge-76 Cd-113m La-137 Tb-157 Hf-172 Hg-194<br>K-40 Kr-81 Cd-116 La-138 Tb-158 Hf-182 Pb-202<br>Ar-42 Sr-90 Sn-121m Ce-139 Dy-159 Ta-179 Pb-205<br>Ca-48 Zr-96 Sn-123 Pm-143 Ho-166m Re-184m Bi-208<br>Ti-44 Mo-100 Sn-124 Pm-144 Lu-173 Re-187 Ra-228<br>V-49 Tc-98 Sn-126 Pm-145 Lu-174 Re-189 Np-236<br>V-50 Rh-101 Te-121m Pm-146 Lu-174m Os-194 Bk-248<br><br>and any radionuclide other than alpha-emitting radionuclides, not listed above or mixtures of beta emitters of unknown composition. | 0.1<br>μCi  | 0.1 mCi          | 1.0 mCi         | 10 mCi          | 1.0 kCi          | 100 kCi          |
| Na-22 Ru-106 Cs-134 Eu-152 Bi-210 U (natural)<br>Co-60 Ag-110m Ce-144 Eu-154 Th (natural)  | 1.0<br>μCi  | 1.0 mCi          | 10 mCi          | 100 mCi         | 10 kCi           | 1 MCi            |

|       |       |        |         |        |        |        |            |         |         |        |         |             |
|-------|-------|--------|---------|--------|--------|--------|------------|---------|---------|--------|---------|-------------|
| Cl-36 | Ni-63 | Rb-87  | Cd-109  | Ba-133 | Gd-153 | Tm-171 | 10<br>μCi  | 10 mCi  | 100 mCi | 1.0 Ci | 100 kCi | 10 MCi      |
| Ca-45 | Zn-65 | Zr-93  | In-115  | Ba-135 | Eu-155 | W-181  |            |         |         |        |         |             |
| Mn-54 | Se-75 | Nb-93m | Sb-125  | Cs-137 | Tm-170 | Tl-204 |            |         |         |        |         |             |
| C-14  | Co-57 | Kr-85  | Tc-99   | Ir-194 | U-238  |        | 100<br>μCi | 100 mCi | 1.0 Ci  | 10 Ci  | 1.0MCi  | 100 MCi     |
| Fe-55 | Ni-59 | Tc-97  | Pt-193, | Th-232 |        |        |            |         |         |        |         |             |
| H-3   |       |        |         |        |        |        | 1.0<br>mCi | 1 Ci    | 10 Ci   | 100 Ci | 10 MCi  | 1000<br>MCi |