

附表 土壤中放射性核種活度濃度嚴重污染標準

| 核種 | 活度濃度(貝克 /克) | 核種 | 活度濃度(貝克 /克) | 核種 | 活度濃度(貝克 /克) |
|--------|----------------|--------|----------------|---------|----------------|
| H-3 | 10^5 | Co-60 | 10^2 | Nb-93m | 10^4 |
| Be-7 | 10^4 | Co-60m | 10^6 | Nb-94 | 10^2 |
| C-14 | 10^3 | Co-61 | 10^5 | Nb-95 | 10^3 |
| F-18 | 10^4 | Co-62m | 10^4 | Nb-97 | 10^4 |
| Na-22 | 10^2 | Ni-59 | 10^5 | Nb-98 | 10^4 |
| Na-24 | 10^3 | Ni-63 | 10^5 | Mo-90 | 10^4 |
| Si-31 | 10^6 | Ni-65 | 10^4 | Mo-93 | 10^4 |
| P-32 | 10^6 | Cu-64 | 10^5 | Mo-99 | 10^4 |
| P-33 | 10^6 | Zn-65 | 10^2 | Mo-101 | 10^4 |
| S-35 | 10^5 | Zn-69 | 10^6 | Tc-96 | 10^3 |
| Cl-36 | 10^3 | Zn-69m | 10^4 | Tc-96m | 10^6 |
| Cl-38 | 10^4 | Ga-72 | 10^4 | Tc-97 | 10^4 |
| K-42 | 10^5 | Ge-71 | 10^7 | Tc-97m | 10^5 |
| K-43 | 10^4 | As-73 | 10^6 | Tc-99 | 10^3 |
| Ca-45 | 10^5 | As-74 | 10^4 | Tc-99m | 10^5 |
| Ca-47 | 10^4 | As-76 | 10^4 | Ru-97 | 10^4 |
| Sc-46 | 10^2 | As-77 | 10^6 | Ru-103 | 10^3 |
| Sc-47 | 10^5 | Se-75 | 10^3 | Ru-105 | 10^4 |
| Sc-48 | 10^3 | Br-82 | 10^3 | Ru-106 | 10^2 |
| V-48 | 10^3 | Rb-86 | 10^5 | Rh-103m | 10^7 |
| Cr-51 | 10^5 | Sr-85 | 10^3 | Rh-105 | 10^5 |
| Mn-51 | 10^4 | Sr-85m | 10^5 | Pd-103 | 10^6 |
| Mn-52 | 10^3 | Sr-87m | 10^5 | Pd-109 | 10^5 |
| Mn-52m | 10^4 | Sr-89 | 10^6 | Ag-105 | 10^3 |
| Mn-53 | 10^5 | Sr-90 | 10^3 | Ag-110m | 10^2 |
| Mn-54 | 10^2 | Sr-91 | 10^4 | Ag-111 | 10^5 |
| Mn-56 | 10^4 | Sr-92 | 10^4 | Cd-109 | 10^3 |
| Fe-52 | 10^4 | Y-90 | 10^6 | Cd-115 | 10^4 |
| Fe-55 | 10^6 | Y-91 | 10^5 | Cd-115m | 10^5 |
| Fe-59 | 10^3 | Y-91m | 10^5 | In-111 | 10^4 |
| Co-55 | 10^4 | Y-92 | 10^5 | In-113m | 10^5 |
| Co-56 | 10^2 | Y-93 | 10^5 | In-114m | 10^4 |
| Co-57 | 10^3 | Zr-93 | 10^4 | In-115m | 10^5 |
| Co-58 | 10^3 | Zr-95 | 10^3 | Sn-113 | 10^3 |
| Co-58m | 10^7 | Zr-97 | 10^4 | Sn-125 | 10^4 |

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|---------|----------------|---------|----------------|---------|----------------|
| Sb-122 | 10^4 | Ba-140 | 10^3 | Re-186 | 10^6 |
| Sb-124 | 10^3 | La-140 | 10^3 | Re-188 | 10^5 |
| Sb-125 | 10^2 | Ce-139 | 10^3 | Os-185 | 10^3 |
| Te-123m | 10^3 | Ce-141 | 10^5 | Os-191 | 10^5 |
| Te-125m | 10^6 | Ce-143 | 10^4 | Os-191m | 10^6 |
| Te-127 | 10^6 | Ce-144 | 10^4 | Os-193 | 10^5 |
| Te-127m | 10^4 | Pr-142 | 10^5 | Ir-190 | 10^3 |
| Te-129 | 10^5 | Pr-143 | 10^6 | Ir-192 | 10^3 |
| Te-129m | 10^4 | Nd-147 | 10^5 | Ir-194 | 10^5 |
| Te-131 | 10^5 | Nd-149 | 10^5 | Pt-191 | 10^4 |
| Te-131m | 10^4 | Pm-147 | 10^6 | Pt-193m | 10^6 |
| Te-132 | 10^3 | Pm-149 | 10^6 | Pt-197 | 10^6 |
| Te-133 | 10^4 | Sm-151 | 10^6 | Pt-197m | 10^5 |
| Te-133m | 10^4 | Sm-153 | 10^5 | Au-198 | 10^4 |
| Te-134 | 10^4 | Eu-152 | 10^2 | Au-199 | 10^5 |
| I-123 | 10^5 | Eu-152m | 10^5 | Hg-197 | 10^5 |
| I-125 | 10^5 | Eu-154 | 10^2 | Hg-197m | 10^5 |
| I-126 | 10^4 | Eu-155 | 10^3 | Hg-203 | 10^4 |
| I-129 | 10 | Gd-153 | 10^4 | Tl-200 | 10^4 |
| I-130 | 10^4 | Gd-159 | 10^5 | Tl-201 | 10^5 |
| I-131 | 10^4 | Tb-160 | 10^3 | T-202 | 10^4 |
| I-132 | 10^4 | Dy-165 | 10^6 | Tl-204 | 10^3 |
| I-133 | 10^4 | Dy-166 | 10^5 | Pb-203 | 10^4 |
| I-134 | 10^4 | Ho-166 | 10^5 | Bi-206 | 10^3 |
| I-135 | 10^4 | Er-169 | 10^6 | Bi-207 | 10^2 |
| Cs-129 | 10^4 | Er-171 | 10^5 | Po-203 | 10^4 |
| Cs-131 | 10^6 | Tm-170 | 10^5 | Po-205 | 10^4 |
| Cs-132 | 10^4 | Tm-171 | 10^6 | Po-207 | 10^4 |
| Cs-134 | 10^2 | Yb-175 | 10^5 | At-211 | 10^6 |
| Cs-134m | 10^6 | Lu-177 | 10^5 | Ra-225 | 10^4 |
| Cs-135 | 10^5 | Hf-181 | 10^3 | Ra-227 | 10^5 |
| Cs-136 | 10^3 | Ta-182 | 10^2 | Th-226 | 10^6 |
| Cs-137 | 10^2 | W-181 | 10^4 | Th-229 | 10^2 |
| Cs-138 | 10^4 | W-185 | 10^6 | Pa-230 | 10^4 |
| Ba-131 | 10^4 | W-187 | 10^4 | Pa-233 | 10^4 |

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|--------|----------------|---------|----------------|--------------------|----------------|
| U-230 | 10^4 | Pu-240 | 10^2 | Cf-246 | 10^6 |
| U-231 | 10^5 | Pu-241 | 10^4 | Cf-248 | 10^3 |
| U-232 | 10^2 | Pu-242 | 10^2 | Cf-249 | 10^2 |
| U-233 | 10^3 | Pu-243 | 10^6 | Cf-250 | 10^3 |
| U-236 | 10^4 | Pu-244 | 10^2 | Cf-251 | 10^2 |
| U-237 | 10^5 | Am-241 | 10^2 | Cf-252 | 10^3 |
| U-239 | 10^5 | Am-242 | 10^6 | Cf-253 | 10^5 |
| U-240 | 10^5 | Am-242m | 10^2 | Cf-254 | 10^3 |
| Np-237 | 10^3 | Am-243 | 10^2 | Es-253 | 10^5 |
| Np-239 | 10^5 | Cm-242 | 10^4 | Es-254 | 10^2 |
| Np-240 | 10^4 | Cm-243 | 10^3 | Es-254m | 10^4 |
| Pu-234 | 10^5 | Cm-244 | 10^3 | Fm-254 | 10^7 |
| Pu-235 | 10^5 | Cm-245 | 10^2 | Fm-255 | 10^5 |
| Pu-236 | 10^3 | Cm-246 | 10^2 | 未列之人 工放射性 核種 | 10^2 |
| Pu-237 | 10^5 | Cm-247 | 10^2 | | |
| Pu-238 | 10^2 | Cm-248 | 10^2 | | |
| Pu-239 | 10^2 | Bk-249 | 10^5 | | |

註：

1. 本標準係參考國際原子能總署安全指引 RS-G-1.7(2004 年) 表 2 豁免(清潔)活度濃度建議值，直接乘上 1000 倍作為土壤中放射性核種活度濃度嚴重污染標準。
2. 活度濃度原文為 Activity concentration。