SCHEDULE 7

Quantities and concentrations of radionuclides
Regulations 2(4), 6(2), 31(1), 31(3)and Schedule 1

# PART 1

## Table of artificial radionuclides and naturally occurring radionuclides (which are processed for their radioactive, fissile or fertile properties)

| *1* | *2* | *3* | *4* | *5* | *6* |
|---|---|---|---|---|---|
| ***Radionuclide name, symbol, isotope*** | ***Concentration for: Notification (any amount of radioactive material); Registration (amounts of radioactive material that exceed 1,000kg)*** | ***Quantity for Notification*** | ***Concentration for Registration (amounts of radioactive material that do not exceed 1,000kg)*** | ***Quantity for notification of occurrences*** | ***Quantity for notification of occurrences*** |
| | ***Regulation 5(1) and Schedule 1, paragraph 1(a);regulation 6(2)(f)*** | ***Regulation 5(1) and Schedule 1, paragraph 1(b)*** | ***Regulation 6(2)(e)*** | ***Regulation 31(1)*** | ***Regulation 31(3)*** |
| | ***(Bq/g)*** | ***(Bq)*** | ***(Bq/g)*** | ***(Bq)*** | ***(Bq)*** |
| **Hydrogen** | | | | | |
| **H-3 (tritiated compounds)** | $10^2$ | $10^9$ | $10^6$ | $10^{12}$ | $10^{10}$ |
| **Beryllium** | | | | | |
| Be-7 | 10 | $10^7$ | $10^3$ | $10^{12}$ | $10^8$ |
| **Carbon** | | | | | |
| C-11 | 0.01 | $10^6$ | 10 | $10^{13}$ | $10^7$ |
| C-11 (monoxide) | 0.01 | $10^9$ | 10 | $10^{12}$ | $10^{10}$ |
| C-11 (dioxide) | 0.01 | $10^9$ | 10 | $10^{12}$ | $10^{10}$ |
| C-14 | 1 | $10^7$ | $10^4$ | $10^{11}$ | $10^8$ |
| **Oxygen** | | | | | |
| O-15 | 0.01 | $10^9$ | $10^2$ | $10^{10}$ | |
| **Fluorine** | | | | | |

**(1)** Potassium salts in quantities less than 1,000kg are exempt.

| *1* | *2* | *3* | *4* | *5* | *6* |
|---|---|---|---|---|---|
| ***Radionuclide name, symbol, isotope*** | ***Concentration for: Notification (any amount of radioactive material); Registration (amounts of radioactive material that exceed 1,000kg)*** | ***Quantity for Notification*** | ***Concentration for Registration (amounts of radioactive material that do not exceed 1,000kg)*** | ***Quantity for notification of occurrences*** | ***Quantity for notification of occurrences*** |
| | ***Regulation 5(1) and Schedule 1, paragraph 1(a);regulation 6(2)(f)*** | ***Regulation 5(1) and Schedule 1, paragraph 1(b)*** | ***Regulation 6(2)(e)*** | ***Regulation 31(1)*** | ***Regulation 31(3)*** |
| | ***(Bq/g)*** | ***(Bq)*** | ***(Bq/g)*** | ***(Bq)*** | ***(Bq)*** |
| F-18 | 10 | $10^6$ | 10 | $10^{13}$ | $10^7$ |
| **Sodium** | | | | | |
| Na-22 | 0.1 | $10^6$ | 10 | $10^{10}$ | $10^7$ |
| Na-24 | 0.1 | $10^5$ | 10 | $10^{11}$ | $10^6$ |
| **Silicon** | | | | | |
| Si-31 | $10^3$ | $10^6$ | $10^3$ | $10^{13}$ | $10^7$ |
| **Phosphorus** | | | | | |
| P-32 | $10^3$ | $10^5$ | $10^3$ | $10^{10}$ | $10^6$ |
| P-33 | $10^3$ | $10^8$ | $10^5$ | $10^{11}$ | $10^9$ |
| **Sulphur** | | | | | |
| S-35 | $10^2$ | $10^8$ | $10^5$ | $10^{11}$ | $10^9$ |
| **Chlorine** | | | | | |
| Cl-36 | 1 | $10^6$ | $10^4$ | $10^{10}$ | $10^7$ |
| Cl-38 | 10 | $10^5$ | 10 | $10^{13}$ | $10^6$ |
| **Argon** | | | | | |
| Ar-37 | 0.01 | $10^8$ | $10^6$ | $10^{13}$ | |
| Ar-41 | 0.01 | $10^9$ | $10^2$ | $10^9$ | |
| **Potassium** | | | | | |
| K-40[(1)] | 1 | $10^6$ | $10^2$ | $10^{10}$ | $10^7$ |
| K-42 | $10^2$ | $10^6$ | $10^2$ | $10^{12}$ | $10^7$ |

**(1)** Potassium salts in quantities less than 1,000kg are exempt.

| *1* | *2* | *3* | *4* | *5* | *6* |
|---|---|---|---|---|---|
| ***Radionuclide name, symbol, isotope*** | ***Concentration for: Notification (any amount of radioactive material); Registration (amounts of radioactive material that exceed 1,000kg)*** | ***Quantity for Notification*** | ***Concentration for Registration (amounts of radioactive material that do not exceed 1,000kg)*** | ***Quantity for notification of occurrences*** | ***Quantity for notification of occurrences*** |
| | ***Regulation 5(1) and Schedule 1, paragraph 1(a);regulation (2)(f)*** | ***Regulation 5(1) and Schedule 1, paragraph 1(b)*** | ***Regulation 6(2)(e)*** | ***Regulation 31(1)*** | ***Regulation 31(3)*** |
| | ***(Bq/g)*** | ***(Bq)*** | ***(Bq/g)*** | ***(Bq)*** | ***(Bq)*** |
| K-43 | 10 | $10^6$ | 10 | $10^{11}$ | $10^7$ |
| **Calcium** | | | | | |
| Ca-45 | $10^2$ | $10^7$ | $10^4$ | $10^{10}$ | $10^8$ |
| Ca-47 | 10 | $10^6$ | 10 | $10^{11}$ | $10^7$ |
| **Scandium** | | | | | |
| Sc-46 | 0.1 | $10^6$ | 10 | $10^{10}$ | $10^7$ |
| Sc-47 | $10^2$ | $10^6$ | $10^2$ | $10^{11}$ | $10^7$ |
| Sc-48 | 1 | $10^5$ | 10 | $10^{11}$ | $10^6$ |
| **Vanadium** | | | | | |
| V-48 | 1 | $10^5$ | 10 | $10^{10}$ | $10^6$ |
| **Chromium** | | | | | |
| Cr-51 | $10^2$ | $10^7$ | $10^3$ | $10^{12}$ | $10^8$ |
| **Manganese** | | | | | |
| Mn-51 | 10 | $10^5$ | 10 | $10^{13}$ | $10^6$ |
| Mn-52 | 1 | $10^5$ | 10 | $10^{10}$ | $10^6$ |
| Mn-52m | 10 | $10^5$ | 10 | $10^{13}$ | $10^6$ |
| Mn-53 | $10^2$ | $10^9$ | $10^4$ | $10^{12}$ | $10^{10}$ |
| Mn-54 | 0.1 | $10^6$ | 10 | $10^{11}$ | $10^7$ |
| Mn-56 | 10 | $10^5$ | 10 | $10^{12}$ | $10^6$ |
| **Iron** | | | | | |

**(1)** Potassium salts in quantities less than 1,000kg are exempt.

| *1* | *2* | *3* | *4* | *5* | *6* |
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| ***Radionuclide name, symbol, isotope*** | ***Concentration for: Notification (any amount of radioactive material); Registration (amounts of radioactive material that exceed 1,000kg)*** | ***Quantity for Notification*** | ***Concentration for Registration (amounts of radioactive material that do not exceed 1,000kg)*** | ***Quantity for notification of occurrences*** | ***Quantity for notification of occurrences*** |
| | ***Regulation 5(1) and Schedule 1, paragraph 1(a);regulation 6(2)(f)*** | ***Regulation 5(1) and Schedule 1, paragraph 1(b)*** | ***Regulation 6(2)(e)*** | ***Regulation 31(1)*** | ***Regulation 31(3)*** |
| | ***(Bq/g)*** | ***(Bq)*** | ***(Bq/g)*** | ***(Bq)*** | ***(Bq)*** |
| Fe-52+ | 10 | $10^6$ | 10 | $10^{12}$ | $10^7$ |
| Fe-55 | $10^3$ | $10^6$ | $10^4$ | $10^{11}$ | $10^7$ |
| Fe-59 | 1 | $10^6$ | 10 | $10^{10}$ | $10^7$ |
| **Cobalt** | | | | | |
| Co-55 | 10 | $10^6$ | 10 | $10^{11}$ | $10^7$ |
| Co-56 | 0.1 | $10^5$ | 10 | $10^{10}$ | $10^6$ |
| Co-57 | 1 | $10^6$ | $10^2$ | $10^{11}$ | $10^7$ |
| Co-58 | 1 | $10^6$ | 10 | $10^{10}$ | $10^7$ |
| Co-58m | $10^4$ | $10^7$ | $10^4$ | $10^{13}$ | $10^8$ |
| Co-60 | 0.1 | $10^5$ | 10 | $10^{10}$ | $10^6$ |
| Co-60m | $10^3$ | $10^6$ | $10^3$ | $10^{16}$ | $10^7$ |
| Co-61 | $10^2$ | $10^6$ | $10^2$ | $10^{13}$ | $10^7$ |
| Co-62m | 10 | $10^5$ | 10 | $10^{13}$ | $10^6$ |
| **Nickel** | | | | | |
| Ni-59 | $10^2$ | $10^8$ | $10^4$ | $10^{11}$ | $10^9$ |
| Ni-63 | $10^2$ | $10^8$ | $10^5$ | $10^{11}$ | $10^9$ |
| Ni-65 | 10 | $10^6$ | 10 | $10^{13}$ | $10^7$ |
| **Copper** | | | | | |
| Cu-64 | $10^2$ | $10^6$ | $10^2$ | $10^{12}$ | $10^7$ |

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| | ***Regulation 5(1) and Schedule 1, paragraph 1(a);regulation 6(2)(f)*** | ***Regulation 5(1) and Schedule 1, paragraph 1(b)*** | ***Regulation 6(2)(e)*** | ***Regulation 31(1)*** | ***Regulation 31(3)*** |
| | ***(Bq/g)*** | ***(Bq)*** | ***(Bq/g)*** | ***(Bq)*** | ***(Bq)*** |
| **Zinc** | | | | | |
| Zn-65 | 0.1 | $10^6$ | 10 | $10^{10}$ | $10^7$ |
| Zn-69 | $10^3$ | $10^6$ | $10^4$ | $10^{14}$ | $10^7$ |
| Zn-69m+ | 10 | $10^6$ | $10^2$ | $10^{12}$ | $10^7$ |
| **Gallium** | | | | | |
| Ga-68 | 0.01 | $10^5$ | 10 | $10^{13}$ | $10^6$ |
| Ga-72 | 10 | $10^5$ | 10 | $10^{11}$ | $10^6$ |
| **Germanium** | | | | | |
| Ge-68+ | 0.01 | $10^5$ | 10 | $10^{10}$ | $10^6$ |
| Ge-71 | $10^4$ | $10^8$ | $10^4$ | $10^{13}$ | $10^9$ |
| **Arsenic** | | | | | |
| As-73 | $10^3$ | $10^7$ | $10^3$ | $10^{11}$ | $10^8$ |
| As-74 | 10 | $10^6$ | 10 | $10^{11}$ | $10^7$ |
| As-76 | 10 | $10^5$ | $10^2$ | $10^{11}$ | $10^6$ |
| As-77 | $10^3$ | $10^6$ | $10^3$ | $10^{12}$ | $10^7$ |
| **Selenium** | | | | | |
| Se-75 | 1 | $10^6$ | $10^2$ | $10^{11}$ | $10^7$ |
| **Bromine** | | | | | |
| Br-82 | 1 | $10^6$ | 10 | $10^{11}$ | $10^7$ |
| **Krypton** | | | | | |

**(1)** Potassium salts in quantities less than 1,000kg are exempt.

| *1* | *2* | *3* | *4* | *5* | *6* |
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| | ***Regulation 5(1) and Schedule 1, paragraph 1(a);regulation (f)*** | ***Regulation 5(1) and Schedule 1, paragraph 1(b)*** | ***Regulation 6(2)(e)*** | ***Regulation 31(1)*** | ***Regulation 31(3)*** |
| | ***(Bq/g)*** | ***(Bq)*** | ***(Bq/g)*** | ***(Bq)*** | ***(Bq)*** |
| Kr-74 | 0.01 | $10^9$ | $10^2$ | $10^9$ | |
| Kr-76 | 0.01 | $10^9$ | $10^2$ | $10^{10}$ | |
| Kr-77 | 0.01 | $10^9$ | $10^2$ | $10^9$ | |
| Kr-79 | 0.01 | $10^5$ | $10^3$ | $10^{10}$ | |
| Kr-81 | 0.01 | $10^7$ | $10^4$ | $10^{11}$ | |
| Kr-83m | 0.01 | $10^{12}$ | $10^5$ | $10^{12}$ | |
| Kr-85 | 0.01 | $10^4$ | $10^5$ | $10^{12}$ | |
| Kr-85m | 0.01 | $10^{10}$ | $10^3$ | $10^{10}$ | |
| Kr-87 | 0.01 | $10^9$ | $10^2$ | $10^9$ | |
| Kr-88 | 0.01 | $10^9$ | $10^2$ | $10^9$ | |
| **Rubidium** | | | | | |
| Rb-86 | $10^2$ | $10^5$ | $10^2$ | $10^{11}$ | $10^6$ |
| **Strontium** | | | | | |
| Sr-85 | 1 | $10^6$ | $10^2$ | $10^{11}$ | $10^7$ |
| Sr-85m | $10^2$ | $10^7$ | $10^2$ | $10^{13}$ | $10^8$ |
| Sr-87m | $10^2$ | $10^6$ | $10^2$ | $10^{13}$ | $10^7$ |
| Sr-89 | $10^3$ | $10^6$ | $10^3$ | $10^{10}$ | $10^7$ |
| Sr-90+ | 1 | $10^4$ | $10^2$ | $10^9$ | $10^5$ |

**(1)** Potassium salts in quantities less than 1,000kg are exempt.

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|---|---|---|---|---|---|
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| | ***Regulation 5(1) and Schedule 1, paragraph 1(a);regulation (2)(f)*** | ***Regulation 5(1) and Schedule 1, paragraph 1(b)*** | ***Regulation 6(2)(e)*** | ***Regulation 31(1)*** | ***Regulation 31(3)*** |
| | ***(Bq/g)*** | ***(Bq)*** | ***(Bq/g)*** | ***(Bq)*** | ***(Bq)*** |
| Sr-91+ | 10 | $10^5$ | 10 | $10^{12}$ | $10^6$ |
| Sr-92 | 10 | $10^6$ | 10 | $10^{12}$ | $10^7$ |
| **Yttrium** | | | | | |
| Y-90 | $10^3$ | $10^5$ | $10^3$ | $10^{11}$ | $10^6$ |
| Y-91 | $10^2$ | $10^6$ | $10^3$ | $10^{10}$ | $10^7$ |
| Y-91m | $10^2$ | $10^6$ | $10^2$ | $10^{13}$ | $10^7$ |
| Y-92 | $10^2$ | $10^5$ | $10^2$ | $10^{12}$ | $10^6$ |
| Y-93 | $10^2$ | $10^5$ | $10^2$ | $10^{12}$ | $10^6$ |
| **Zirconium** | | | | | |
| Zr-93+ | 10 | $10^7$ | $10^3$ | $10^9$ | $10^8$ |
| Zr-95+ | 1 | $10^6$ | 10 | $10^{10}$ | $10^7$ |
| Zr-97+ | 10 | $10^5$ | 10 | $10^{11}$ | $10^6$ |
| **Niobium** | | | | | |
| Nb-93m | 10 | $10^7$ | $10^4$ | $10^{11}$ | $10^8$ |
| Nb-94 | 0.1 | $10^6$ | 10 | $10^9$ | $10^7$ |
| Nb-95 | 1 | $10^6$ | 10 | $10^{11}$ | $10^7$ |
| Nb-97+ | 10 | $10^6$ | 10 | $10^{13}$ | $10^7$ |
| Nb-98 | 10 | $10^5$ | 10 | $10^{13}$ | $10^6$ |
| **Molybdenum** | | | | | |

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| | ***Regulation 5(1) and Schedule 1, paragraph 1(a);regulation 6(2)(f)*** | ***Regulation 5(1) and Schedule 1, paragraph 1(b)*** | ***Regulation 6(2)(e)*** | ***Regulation 31(1)*** | ***Regulation 31(3)*** |
| | ***(Bq/g)*** | ***(Bq)*** | ***(Bq/g)*** | ***(Bq)*** | ***(Bq)*** |
| Mo-90 | 10 | $10^6$ | 10 | $10^{12}$ | $10^7$ |
| Mo-93 | 10 | $10^8$ | $10^3$ | $10^{11}$ | $10^9$ |
| Mo-99+ | 10 | $10^6$ | $10^2$ | $10^{11}$ | $10^7$ |
| Mo-101+ | 10 | $10^6$ | 10 | $10^{13}$ | $10^7$ |
| **Technetium** | | | | | |
| Tc-96 | 1 | $10^6$ | 10 | $10^{11}$ | $10^7$ |
| Tc-96m | $10^3$ | $10^7$ | $10^3$ | $10^{14}$ | $10^8$ |
| Tc-97 | 10 | $10^8$ | $10^3$ | $10^{12}$ | $10^9$ |
| Tc-97m | $10^2$ | $10^7$ | $10^3$ | $10^{10}$ | $10^8$ |
| Tc-99 | 1 | $10^7$ | $10^4$ | $10^{10}$ | $10^8$ |
| Tc-99m | $10^2$ | $10^7$ | $10^2$ | $10^{13}$ | $10^8$ |
| **Ruthenium** | | | | | |
| Ru-97 | 10 | $10^7$ | $10^2$ | $10^{12}$ | $10^8$ |
| Ru-103+ | 1 | $10^6$ | $10^2$ | $10^{10}$ | $10^7$ |
| Ru-105+ | 10 | $10^6$ | 10 | $10^{12}$ | $10^7$ |
| Ru-106+ | 0.1 | $10^5$ | $10^2$ | $10^9$ | $10^6$ |
| **Rhodium** | | | | | |
| Rh-103m | $10^4$ | $10^8$ | $10^4$ | $10^{15}$ | $10^9$ |
| Rh-105 | $10^2$ | $10^7$ | $10^2$ | $10^{12}$ | $10^8$ |

**(1)** Potassium salts in quantities less than 1,000kg are exempt.

| *1* | *2* | *3* | *4* | *5* | *6* |
|---|---|---|---|---|---|
| ***Radionuclide name, symbol, isotope*** | ***Concentration for: Notification (any amount of radioactive material); Registration (amounts of radioactive material that exceed 1,000kg)*** | ***Quantity for Notification*** | ***Concentration for Registration (amounts of radioactive material that do not exceed 1,000kg)*** | ***Quantity for notification of occurrences*** | ***Quantity for notification of occurrences*** |
| | ***Regulation 5(1) and Schedule 1, paragraph 1(a);regulation 6(2)(f)*** | ***Regulation 5(1) and Schedule 1, paragraph 1(b)*** | ***Regulation 6(2)(e)*** | ***Regulation 31(1)*** | ***Regulation 31(3)*** |
| | ***(Bq/g)*** | ***(Bq)*** | ***(Bq/g)*** | ***(Bq)*** | ***(Bq)*** |
| **Palladium** | | | | | |
| Pd-103+ | $10^3$ | $10^8$ | $10^3$ | $10^{11}$ | $10^9$ |
| Pd-109+ | $10^2$ | $10^6$ | $10^3$ | $10^{12}$ | $10^7$ |
| **Silver** | | | | | |
| Ag-105 | 1 | $10^6$ | $10^2$ | $10^{11}$ | $10^7$ |
| Ag-108m+ | 0.1 | $10^6$ | 10 | $10^{10}$ | $10^7$ |
| Ag-110m+ | 0.1 | $10^6$ | 10 | $10^{10}$ | $10^7$ |
| Ag-111 | $10^2$ | $10^6$ | $10^3$ | $10^{11}$ | $10^7$ |
| **Cadmium** | | | | | |
| Cd-109+ | 1 | $10^6$ | $10^4$ | $10^{10}$ | $10^7$ |
| Cd-115+ | 10 | $10^6$ | $10^2$ | $10^{11}$ | $10^7$ |
| Cd-115m+ | $10^2$ | $10^6$ | $10^3$ | $10^{10}$ | $10^7$ |
| **Indium** | | | | | |
| In-111 | 10 | $10^6$ | $10^2$ | $10^{11}$ | $10^7$ |
| In-113m | $10^2$ | $10^6$ | $10^2$ | $10^{13}$ | $10^7$ |
| In-114m+ | 10 | $10^6$ | $10^2$ | $10^{10}$ | $10^7$ |
| In-115m | $10^2$ | $10^6$ | $10^2$ | $10^{13}$ | $10^7$ |
| **Tin** | | | | | |
| Sn-113+ | 1 | $10^7$ | $10^3$ | $10^{11}$ | $10^8$ |

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| | ***Regulation 5(1) and Schedule 1, paragraph 1(a);regulation 6(2)(f)*** | ***Regulation 5(1) and Schedule 1, paragraph 1(b)*** | ***Regulation 6(2)(e)*** | ***Regulation 31(1)*** | ***Regulation 31(3)*** |
| | ***(Bq/g)*** | ***(Bq)*** | ***(Bq/g)*** | ***(Bq)*** | ***(Bq)*** |
| Sn-125 | 10 | $10^5$ | $10^2$ | $10^{10}$ | $10^6$ |
| **Antimony** | | | | | |
| Sb-122 | 10 | $10^4$ | $10^2$ | $10^{11}$ | $10^5$ |
| Sb-124 | 1 | $10^6$ | 10 | $10^{10}$ | $10^7$ |
| Sb-125+ | 0.1 | $10^6$ | $10^2$ | $10^{10}$ | $10^7$ |
| **Tellurium** | | | | | |
| Te-123m | 1 | $10^7$ | $10^2$ | $10^{10}$ | $10^8$ |
| Te-125m | $10^3$ | $10^7$ | $10^3$ | $10^{10}$ | $10^8$ |
| Te-127 | $10^3$ | $10^6$ | $10^3$ | $10^{12}$ | $10^7$ |
| Te-127m+ | 10 | $10^7$ | $10^3$ | $10^{10}$ | $10^8$ |
| Te-129 | $10^2$ | $10^6$ | $10^2$ | $10^{14}$ | $10^7$ |
| Te-129m+ | 10 | $10^6$ | $10^3$ | $10^{10}$ | $10^7$ |
| Te-131 | $10^2$ | $10^5$ | $10^2$ | $10^{14}$ | $10^6$ |
| Te-131m+ | 10 | $10^6$ | 10 | $10^{11}$ | $10^7$ |
| Te-132+ | 1 | $10^7$ | $10^2$ | $10^{11}$ | $10^8$ |
| Te-133 | 10 | $10^5$ | 10 | $10^{14}$ | $10^6$ |
| Te-133m | 10 | $10^5$ | 10 | $10^{13}$ | $10^6$ |
| Te-134 | 10 | $10^6$ | 10 | $10^{13}$ | $10^7$ |
| **Iodine** | | | | | |

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| ***Radionuclide name, symbol, isotope*** | ***Concentration for: Notification (any amount of radioactive material); Registration (amounts of radioactive material that exceed 1,000kg)*** | ***Quantity for Notification*** | ***Concentration for Registration (amounts of radioactive material that do not exceed 1,000kg)*** | ***Quantity for notification of occurrences*** | ***Quantity for notification of occurrences*** |
| | ***Regulation 5(1) and Schedule 1, paragraph 1(a);regulation 6(2)(f)*** | ***Regulation 5(1) and Schedule 1, paragraph 1(b)*** | ***Regulation 6(2)(e)*** | ***Regulation 31(1)*** | ***Regulation 31(3)*** |
| | ***(Bq/g)*** | ***(Bq)*** | ***(Bq/g)*** | ***(Bq)*** | ***(Bq)*** |
| I-123 | $10^2$ | $10^7$ | $10^2$ | $10^{12}$ | $10^8$ |
| I-125 | $10^2$ | $10^6$ | $10^3$ | $10^{10}$ | $10^7$ |
| I-126 | 10 | $10^6$ | $10^2$ | $10^{10}$ | $10^7$ |
| I-129 | 0.01 | $10^5$ | $10^2$ | $10^9$ | $10^6$ |
| I-130 | 10 | $10^6$ | 10 | $10^{11}$ | $10^7$ |
| I-131 | 10 | $10^6$ | $10^2$ | $10^{10}$ | $10^7$ |
| I-132 | 10 | $10^5$ | 10 | $10^{12}$ | $10^6$ |
| I-133 | 10 | $10^6$ | 10 | $10^{11}$ | $10^7$ |
| I-134 | 10 | $10^5$ | 10 | $10^{13}$ | $10^6$ |
| I-135 | 10 | $10^6$ | 10 | $10^{12}$ | $10^7$ |
| **Xenon** | | | | | |
| Xe-131m | 0.01 | $10^4$ | $10^4$ | $10^{11}$ | |
| Xe-133 | 0.01 | $10^4$ | $10^3$ | $10^{11}$ | |
| Xe-135 | 0.01 | $10^{10}$ | $10^3$ | $10^{10}$ | |
| **Caesium** | | | | | |
| Cs-129 | 10 | $10^5$ | $10^2$ | $10^{12}$ | $10^6$ |
| Cs-131 | $10^3$ | $10^6$ | $10^3$ | $10^{12}$ | $10^7$ |
| Cs-132 | 10 | $10^5$ | 10 | $10^{11}$ | $10^6$ |

**(1)** Potassium salts in quantities less than 1,000kg are exempt.

| *1* | *2* | *3* | *4* | *5* | *6* |
|---|---|---|---|---|---|
| ***Radionuclide name, symbol, isotope*** | ***Concentration for: Notification (any amount of radioactive material); Registration (amounts of radioactive material that exceed 1,000kg)*** | ***Quantity for Notification*** | ***Concentration for Registration (amounts of radioactive material that do not exceed 1,000kg)*** | ***Quantity for notification of occurrences*** | ***Quantity for notification of occurrences*** |
| | ***Regulation 5(1) and Schedule 1, paragraph 1(a);regulation 6(2)(f)*** | ***Regulation 5(1) and Schedule 1, paragraph 1(b)*** | ***Regulation 6(2)(e)*** | ***Regulation 31(1)*** | ***Regulation 31(3)*** |
| | ***(Bq/g)*** | ***(Bq)*** | ***(Bq/g)*** | ***(Bq)*** | ***(Bq)*** |
| Cs-134 | 0.1 | $10^4$ | 10 | $10^{10}$ | $10^5$ |
| Cs-134m | $10^3$ | $10^5$ | $10^3$ | $10^{14}$ | $10^6$ |
| Cs-135 | $10^2$ | $10^7$ | $10^4$ | $10^{11}$ | $10^8$ |
| Cs-136 | 1 | $10^5$ | 10 | $10^{10}$ | $10^6$ |
| Cs-137+ | 0.1 | $10^4$ | 10 | $10^{10}$ | $10^5$ |
| Cs-138 | 10 | $10^4$ | 10 | $10^{13}$ | $10^5$ |
| **Barium** | | | | | |
| Ba-131 | 10 | $10^6$ | $10^2$ | $10^{11}$ | $10^7$ |
| Ba-140+ | 1 | $10^5$ | 10 | $10^{11}$ | $10^6$ |
| **Lanthanum** | | | | | |
| La-140 | 1 | $10^5$ | 10 | $10^{11}$ | $10^6$ |
| **Cerium** | | | | | |
| Ce-139 | 1 | $10^6$ | $10^2$ | $10^{11}$ | $10^7$ |
| Ce-141 | $10^2$ | $10^7$ | $10^2$ | $10^{10}$ | $10^8$ |
| Ce-143 | 10 | $10^6$ | $10^2$ | $10^{11}$ | $10^7$ |
| Ce-144+ | 10 | $10^5$ | $10^2$ | $10^9$ | $10^6$ |
| **Praseodymium** | | | | | |
| Pr-142 | $10^2$ | $10^5$ | $10^2$ | $10^{12}$ | $10^6$ |
| Pr-143 | $10^3$ | $10^6$ | $10^4$ | $10^{11}$ | $10^7$ |

**(1)** Potassium salts in quantities less than 1,000kg are exempt.

| *1* | *2* | *3* | *4* | *5* | *6* |
|---|---|---|---|---|---|
| ***Radionuclide name, symbol, isotope*** | ***Concentration for: Notification (any amount of radioactive material); Registration (amounts of radioactive material that exceed 1,000kg)*** | ***Quantity for Notification*** | ***Concentration for Registration (amounts of radioactive material that do not exceed 1,000kg)*** | ***Quantity for notification of occurrences*** | ***Quantity for notification of occurrences*** |
| | ***Regulation 5(1) and Schedule 1, paragraph 1(a);regulation 6(2)(f)*** | ***Regulation 5(1) and Schedule 1, paragraph 1(b)*** | ***Regulation 6(2)(e)*** | ***Regulation 31(1)*** | ***Regulation 31(3)*** |
| | ***(Bq/g)*** | ***(Bq)*** | ***(Bq/g)*** | ***(Bq)*** | ***(Bq)*** |
| **Neodymium** | | | | | |
| Nd-147 | $10^2$ | $10^6$ | $10^2$ | $10^{11}$ | $10^7$ |
| Nd-149 | $10^2$ | $10^6$ | $10^2$ | $10^{13}$ | $10^7$ |
| **Promethium** | | | | | |
| Pm-147 | $10^3$ | $10^7$ | $10^4$ | $10^{10}$ | $10^8$ |
| Pm-149 | $10^3$ | $10^6$ | $10^3$ | $10^{11}$ | $10^7$ |
| **Samarium** | | | | | |
| Sm-151 | $10^3$ | $10^8$ | $10^4$ | $10^{10}$ | $10^9$ |
| Sm-153 | $10^2$ | $10^6$ | $10^2$ | $10^{11}$ | $10^7$ |
| **Europium** | | | | | |
| Eu-152 | 0.1 | $10^6$ | 10 | $10^9$ | $10^7$ |
| Eu-152m | $10^2$ | $10^6$ | $10^2$ | $10^{12}$ | $10^7$ |
| Eu-154 | 0.1 | $10^6$ | 10 | $10^9$ | $10^7$ |
| Eu-155 | 1 | $10^7$ | $10^2$ | $10^{10}$ | $10^8$ |
| **Gadolinium** | | | | | |
| Gd-153 | 10 | $10^7$ | $10^2$ | $10^{10}$ | $10^8$ |
| Gd-159 | $10^2$ | $10^6$ | $10^3$ | $10^{12}$ | $10^7$ |
| **Terbium** | | | | | |
| Tb-160 | 1 | $10^6$ | 1 | $10^{10}$ | $10^7$ |
| **Dysprosium** | | | | | |

**(1)** Potassium salts in quantities less than 1,000kg are exempt.

| *1* | *2* | *3* | *4* | *5* | *6* |
|---|---|---|---|---|---|
| ***Radionuclide name, symbol, isotope*** | ***Concentration for: Notification (any amount of radioactive material); Registration (amounts of radioactive material that exceed 1,000kg)*** | ***Quantity for Notification*** | ***Concentration for Registration (amounts of radioactive material that do not exceed 1,000kg)*** | ***Quantity for notification of occurrences*** | ***Quantity for notification of occurrences*** |
| | ***Regulation 5(1) and Schedule 1, paragraph 1(a);regulation (f)*** | ***Regulation 5(1) and Schedule 1, paragraph 1(b)*** | ***Regulation 6(2)(e)*** | ***Regulation 31(1)*** | ***Regulation 31(3)*** |
| | ***(Bq/g)*** | ***(Bq)*** | ***(Bq/g)*** | ***(Bq)*** | ***(Bq)*** |
| Dy-165 | $10^3$ | $10^6$ | $10^3$ | $10^{13}$ | $10^7$ |
| Dy-166 | $10^2$ | $10^6$ | $10^3$ | $10^{11}$ | $10^7$ |
| **Holmium** | | | | | |
| Ho-166 | $10^2$ | $10^5$ | $10^3$ | $10^{11}$ | $10^6$ |
| **Erbium** | | | | | |
| Er-169 | $10^3$ | $10^7$ | $10^4$ | $10^{11}$ | $10^8$ |
| Er-171 | $10^2$ | $10^6$ | $10^2$ | $10^{12}$ | $10^7$ |
| **Thulium** | | | | | |
| Tm-170 | $10^2$ | $10^6$ | $10^3$ | $10^{10}$ | $10^7$ |
| Tm-171 | $10^3$ | $10^8$ | $10^4$ | $10^{11}$ | $10^9$ |
| **Ytterbium** | | | | | |
| Yb-175 | $10^2$ | $10^7$ | $10^3$ | $10^{11}$ | $10^8$ |
| **Lutetium** | | | | | |
| Lu-177 | $10^2$ | $10^7$ | $10^3$ | $10^{11}$ | $10^8$ |
| **Hafnium** | | | | | |
| Hf-181 | 1 | $10^6$ | 10 | $10^{10}$ | $10^7$ |
| **Tantalum** | | | | | |
| Ta-182 | 0.1 | $10^4$ | 10 | $10^{10}$ | $10^5$ |
| **Tungsten** | | | | | |
| W-181 | 10 | $10^7$ | $10^3$ | $10^{12}$ | $10^8$ |

**(1)** Potassium salts in quantities less than 1,000kg are exempt.

| *1* | *2* | *3* | *4* | *5* | *6* |
|---|---|---|---|---|---|
| ***Radionuclide name, symbol, isotope*** | ***Concentration for: Notification (any amount of radioactive material); Registration (amounts of radioactive material that exceed 1,000kg)*** | ***Quantity for Notification*** | ***Concentration for Registration (amounts of radioactive material that do not exceed 1,000kg)*** | ***Quantity for notification of occurrences*** | ***Quantity for notification of occurrences*** |
| | ***Regulation 5(1) and Schedule 1, paragraph 1(a);regulation (f)*** | ***Regulation 5(1) and Schedule 1, paragraph 1(b)*** | ***Regulation 6(2)(e)*** | ***Regulation 31(1)*** | ***Regulation 31(3)*** |
| | ***(Bq/g)*** | ***(Bq)*** | ***(Bq/g)*** | ***(Bq)*** | ***(Bq)*** |
| W-185 | $10^3$ | $10^7$ | $10^4$ | $10^{11}$ | $10^8$ |
| W-187 | 10 | $10^6$ | $10^2$ | $10^{12}$ | $10^7$ |
| **Rhenium** | | | | | |
| Re-186 | $10^3$ | $10^6$ | $10^3$ | $10^{11}$ | $10^7$ |
| Re-188 | $10^2$ | $10^5$ | $10^2$ | $10^{12}$ | $10^6$ |
| **Osmium** | | | | | |
| Os-185 | 1 | $10^6$ | 10 | $10^{11}$ | $10^7$ |
| Os-191 | $10^2$ | $10^7$ | $10^2$ | $10^{11}$ | $10^8$ |
| Os-191m | $10^3$ | $10^7$ | $10^3$ | $10^{12}$ | $10^8$ |
| Os-193 | $10^2$ | $10^6$ | $10^2$ | $10^{11}$ | $10^7$ |
| **Iridium** | | | | | |
| Ir-190 | 1 | $10^6$ | 10 | $10^{10}$ | $10^7$ |
| Ir-192 | 1 | $10^4$ | 10 | $10^{10}$ | $10^5$ |
| Ir-194 | $10^2$ | $10^5$ | $10^2$ | $10^{11}$ | $10^6$ |
| **Platinum** | | | | | |
| Pt-191 | 10 | $10^6$ | $10^2$ | $10^{11}$ | $10^7$ |
| Pt-193m | $10^3$ | $10^7$ | $10^3$ | $10^{12}$ | $10^8$ |
| Pt-197 | 10 | $10^6$ | $10^3$ | $10^{12}$ | $10^7$ |
| Pt-197m | $10^2$ | $10^6$ | $10^2$ | $10^{14}$ | $10^7$ |

**(1)** Potassium salts in quantities less than 1,000kg are exempt.

| *1* | *2* | *3* | *4* | *5* | *6* |
|---|---|---|---|---|---|
| ***Radionuclide name, symbol, isotope*** | ***Concentration for: Notification (any amount of radioactive material); Registration (amounts of radioactive material that exceed 1,000kg)*** | ***Quantity for Notification*** | ***Concentration for Registration (amounts of radioactive material that do not exceed 1,000kg)*** | ***Quantity for notification of occurrences*** | ***Quantity for notification of occurrences*** |
| | ***Regulation 5(1) and Schedule 1, paragraph 1(a);regulation (f)*** | ***Regulation 5(1) and Schedule 1, paragraph 1(b)*** | ***Regulation 6(2)(e)*** | ***Regulation 31(1)*** | ***Regulation 31(3)*** |
| | ***(Bq/g)*** | ***(Bq)*** | ***(Bq/g)*** | ***(Bq)*** | ***(Bq)*** |
| **Gold** | | | | | |
| Au-198 | 10 | $10^6$ | $10^2$ | $10^{11}$ | $10^7$ |
| Au-199 | $10^2$ | $10^6$ | $10^2$ | $10^{11}$ | $10^7$ |
| **Mercury** | | | | | |
| Hg-197 | $10^2$ | $10^7$ | $10^2$ | $10^{12}$ | $10^8$ |
| Hg-197m | $10^2$ | $10^6$ | $10^2$ | $10^{12}$ | $10^7$ |
| Hg-203 | 10 | $10^5$ | $10^2$ | $10^{11}$ | $10^6$ |
| **Thallium** | | | | | |
| Tl-200 | 10 | $10^6$ | 10 | $10^{11}$ | $10^7$ |
| Tl-201 | $10^2$ | $10^6$ | $10^2$ | $10^{12}$ | $10^7$ |
| Tl-202 | 10 | $10^6$ | $10^2$ | $10^{11}$ | $10^7$ |
| Tl-204 | 1 | $10^4$ | $10^4$ | $10^{11}$ | $10^5$ |
| **Lead** | | | | | |
| Pb-203 | 10 | $10^6$ | $10^2$ | $10^{12}$ | $10^7$ |
| Pb-210+ | 0.01 | $10^4$ | 10 | $10^8$ | $10^5$ |
| Pb-212+ | 1 | $10^5$ | 10 | $10^{10}$ | $10^6$ |
| **Bismuth** | | | | | |
| Bi-206 | 1 | $10^5$ | 10 | $10^{10}$ | $10^6$ |
| Bi-207 | 0.1 | $10^6$ | 10 | $10^{10}$ | $10^7$ |

**(1)** Potassium salts in quantities less than 1,000kg are exempt.

| *1* | *2* | *3* | *4* | *5* | *6* |
|---|---|---|---|---|---|
| ***Radionuclide name, symbol, isotope*** | ***Concentration for: Notification (any amount of radioactive material); Registration (amounts of radioactive material that exceed 1,000kg)*** | ***Quantity for Notification*** | ***Concentration for Registration (amounts of radioactive material that do not exceed 1,000kg)*** | ***Quantity for notification of occurrences*** | ***Quantity for notification of occurrences*** |
| | ***Regulation 5(1) and Schedule 1, paragraph 1(a);regulation (2)(f)*** | ***Regulation 5(1) and Schedule 1, paragraph 1(b)*** | ***Regulation 6(2)(e)*** | ***Regulation 31(1)*** | ***Regulation 31(3)*** |
| | ***(Bq/g)*** | ***(Bq)*** | ***(Bq/g)*** | ***(Bq)*** | ***(Bq)*** |
| Bi-210 | 10 | $10^6$ | $10^3$ | $10^9$ | $10^7$ |
| Bi-212+ | 1 | $10^5$ | 10 | $10^{11}$ | $10^6$ |
| **Polonium** | | | | | |
| Po-203 | 10 | $10^6$ | 10 | $10^{13}$ | $10^7$ |
| Po-205 | 10 | $10^6$ | 10 | $10^{12}$ | $10^7$ |
| Po-207 | 10 | $10^6$ | 10 | $10^{12}$ | $10^7$ |
| Po-210 | 0.01 | $10^4$ | 10 | $10^7$ | $10^5$ |
| **Astatine** | | | | | |
| At-211 | $10^3$ | $10^7$ | $10^3$ | $10^{10}$ | $10^8$ |
| **Radon** | | | | | |
| Rn-220+ | 0.01 | $10^7$ | $10^4$ | $10^8$ | $10^8$ |
| Rn-222+ | 0.01 | $10^8$ | 10 | $10^9$ | $10^9$ |
| **Radium** | | | | | |
| Ra-223+ | 1 | $10^5$ | $10^2$ | $10^7$ | $10^6$ |
| Ra-224+ | 1 | $10^5$ | 10 | $10^8$ | $10^6$ |
| Ra-225 | 10 | $10^5$ | $10^2$ | $10^7$ | $10^6$ |
| Ra-226+ | 0.01 | $10^4$ | 10 | $10^7$ | $10^5$ |
| Ra-227 | $10^2$ | $10^6$ | $10^2$ | $10^{13}$ | $10^7$ |
| Ra-228+ | 0.01 | $10^5$ | 10 | $10^8$ | $10^6$ |

**(1)** Potassium salts in quantities less than 1,000kg are exempt.

| *1* | *2* | *3* | *4* | *5* | *6* |
|---|---|---|---|---|---|
| ***Radionuclide name, symbol, isotope*** | ***Concentration for: Notification (any amount of radioactive material); Registration (amounts of radioactive material that exceed 1,000kg)*** | ***Quantity for Notification*** | ***Concentration for Registration (amounts of radioactive material that do not exceed 1,000kg)*** | ***Quantity for notification of occurrences*** | ***Quantity for notification of occurrences*** |
| | ***Regulation 5(1) and Schedule 1, paragraph 1(a);regulation 6(2)(f)*** | ***Regulation 5(1) and Schedule 1, paragraph 1(b)*** | ***Regulation 6(2)(e)*** | ***Regulation 31(1)*** | ***Regulation 31(3)*** |
| | ***(Bq/g)*** | ***(Bq)*** | ***(Bq/g)*** | ***(Bq)*** | ***(Bq)*** |
| **Actinium** | | | | | |
| Ac-228 | 1 | $10^6$ | 10 | $10^{10}$ | $10^7$ |
| **Thorium** | | | | | |
| Th-226+ | $10^3$ | $10^7$ | $10^3$ | $10^{11}$ | $10^8$ |
| Th-227 | 1 | $10^4$ | 10 | $10^7$ | $10^5$ |
| Th-228+ | 0.1 | $10^4$ | 1 | $10^6$ | $10^5$ |
| Th-229+ | 0.1 | $10^3$ | 1 | $10^6$ | $10^4$ |
| Th-230 | 0.1 | $10^4$ | 1 | $10^6$ | $10^5$ |
| Th-231 | $10^2$ | $10^7$ | $10^3$ | $10^{12}$ | $10^8$ |
| Th-232 | 0.01 | $10^4$ | 10 | $10^6$ | $10^5$ |
| Th-234+ | 10 | $10^5$ | $10^3$ | $10^{10}$ | $10^6$ |
| **Protactinium** | | | | | |
| Pa-230 | 10 | $10^6$ | 10 | $10^8$ | $10^7$ |
| Pa-231 | 0.01 | $10^3$ | 1 | $10^6$ | $10^4$ |
| Pa-233 | 10 | $10^7$ | $10^2$ | $10^{10}$ | $10^8$ |
| **Uranium** | | | | | |
| U-230+ | 10 | $10^5$ | 10 | $10^7$ | $10^6$ |
| U-231 | $10^2$ | $10^7$ | $10^2$ | $10^{11}$ | $10^8$ |
| U-232+ | 0.1 | $10^3$ | 1 | $10^6$ | $10^4$ |

**(1)** Potassium salts in quantities less than 1,000kg are exempt.

| *1* | *2* | *3* | *4* | *5* | *6* |
|---|---|---|---|---|---|
| ***Radionuclide name, symbol, isotope*** | ***Concentration for: Notification (any amount of radioactive material); Registration (amounts of radioactive material that exceed 1,000kg)*** | ***Quantity for Notification*** | ***Concentration for Registration (amounts of radioactive material that do not exceed 1,000kg)*** | ***Quantity for notification of occurrences*** | ***Quantity for notification of occurrences*** |
| | ***Regulation 5(1) and Schedule 1, paragraph 1(a);regulation 6(2)(f)*** | ***Regulation 5(1) and Schedule 1, paragraph 1(b)*** | ***Regulation 6(2)(e)*** | ***Regulation 31(1)*** | ***Regulation 31(3)*** |
| | ***(Bq/g)*** | ***(Bq)*** | ***(Bq/g)*** | ***(Bq)*** | ***(Bq)*** |
| U-233 | 1 | $10^4$ | 10 | $10^7$ | $10^5$ |
| U-234 | 1 | $10^4$ | 10 | $10^7$ | $10^5$ |
| U-235+ | 1 | $10^4$ | 10 | $10^7$ | $10^5$ |
| U-236 | 10 | $10^4$ | 10 | $10^7$ | $10^5$ |
| U-237 | $10^2$ | $10^6$ | $10^2$ | $10^{11}$ | $10^7$ |
| U-238+ | 1 | $10^4$ | 10 | $10^7$ | $10^5$ |
| U-239 | $10^2$ | $10^6$ | $10^2$ | $10^{14}$ | $10^7$ |
| U-240 | 0.01 | $10^7$ | $10^3$ | $10^{12}$ | $10^8$ |
| U-240+ | $10^2$ | $10^6$ | 10 | $10^{11}$ | $10^7$ |
| **Neptunium** | | | | | |
| Np-237+ | 1 | $10^3$ | 1 | $10^7$ | $10^4$ |
| Np-239 | $10^2$ | $10^7$ | $10^2$ | $10^{11}$ | $10^8$ |
| Np-240 | 10 | $10^6$ | 10 | $10^{13}$ | $10^7$ |
| **Plutonium** | | | | | |
| Pu-234 | $10^2$ | $10^7$ | $10^2$ | $10^{10}$ | $10^8$ |
| Pu-235 | $10^2$ | $10^7$ | $10^2$ | $10^{14}$ | $10^8$ |
| Pu-236 | 1 | $10^4$ | 10 | $10^7$ | $10^5$ |
| Pu-237 | $10^2$ | $10^7$ | $10^3$ | $10^{11}$ | $10^8$ |

**(1)** Potassium salts in quantities less than 1,000kg are exempt.

| *1* | *2* | *3* | *4* | *5* | *6* |
|---|---|---|---|---|---|
| ***Radionuclide name, symbol, isotope*** | ***Concentration for: Notification (any amount of radioactive material); Registration (amounts of radioactive material that exceed 1,000kg)*** | ***Quantity for Notification*** | ***Concentration for Registration (amounts of radioactive material that do not exceed 1,000kg)*** | ***Quantity for notification of occurrences*** | ***Quantity for notification of occurrences*** |
| | ***Regulation 5(1) and Schedule 1, paragraph 1(a);regulation 6(2)(f)*** | ***Regulation 5(1) and Schedule 1, paragraph 1(b)*** | ***Regulation 6(2)(e)*** | ***Regulation 31(1)*** | ***Regulation 31(3)*** |
| | ***(Bq/g)*** | ***(Bq)*** | ***(Bq/g)*** | ***(Bq)*** | ***(Bq)*** |
| Pu-238 | 0.1 | $10^4$ | 1 | $10^6$ | $10^5$ |
| Pu-239 | 0.1 | $10^4$ | 1 | $10^6$ | $10^5$ |
| Pu-240 | 0.1 | $10^3$ | 1 | $10^6$ | $10^4$ |
| Pu-241 | 10 | $10^5$ | $10^2$ | $10^8$ | $10^6$ |
| Pu-242 | 0.1 | $10^4$ | 1 | $10^6$ | $10^5$ |
| Pu-243 | $10^3$ | $10^7$ | $10^3$ | $10^{13}$ | $10^8$ |
| Pu-244+ | 0.1 | $10^4$ | 1 | $10^6$ | $10^5$ |
| **Americium** | | | | | |
| Am-241 | 0.1 | $10^4$ | 1 | $10^6$ | $10^5$ |
| Am-242 | $10^3$ | $10^6$ | $10^3$ | $10^{10}$ | $10^7$ |
| Am-242m+ | 0.1 | $10^4$ | 1 | $10^6$ | $10^5$ |
| Am-243+ | 0.1 | $10^3$ | 1 | $10^6$ | $10^4$ |
| **Curium** | | | | | |
| Cm-242 | 10 | $10^5$ | $10^2$ | $10^7$ | $10^6$ |
| Cm-243 | 1 | $10^4$ | 1 | $10^7$ | $10^5$ |
| Cm-244 | 1 | $10^4$ | 10 | $10^7$ | $10^5$ |
| Cm-245 | 0.1 | $10^3$ | 1 | $10^6$ | $10^4$ |
| Cm-246 | 0.1 | $10^3$ | 1 | $10^6$ | $10^4$ |

**(1)** Potassium salts in quantities less than 1,000kg are exempt.

| *1* | *2* | *3* | *4* | *5* | *6* |
|---|---|---|---|---|---|
| ***Radionuclide name, symbol, isotope*** | ***Concentration for: Notification (any amount of radioactive material); Registration (amounts of radioactive material that exceed 1,000kg)*** | ***Quantity for Notification*** | ***Concentration for Registration (amounts of radioactive material that do not exceed 1,000kg)*** | ***Quantity for notification of occurrences*** | ***Quantity for notification of occurrences*** |
| | ***Regulation 5(1) and Schedule 1, paragraph 1(a);regulation 6(2)(f)*** | ***Regulation 5(1) and Schedule 1, paragraph 1(b)*** | ***Regulation 6(2)(e)*** | ***Regulation 31(1)*** | ***Regulation 31(3)*** |
| | ***(Bq/g)*** | ***(Bq)*** | ***(Bq/g)*** | ***(Bq)*** | ***(Bq)*** |
| Cm-247+ | 0.1 | $10^4$ | 1 | $10^6$ | $10^5$ |
| Cm-248 | 0.1 | $10^3$ | 1 | $10^6$ | $10^4$ |
| **Berkelium** | | | | | |
| Bk-249 | $10^2$ | $10^6$ | $10^3$ | $10^9$ | $10^7$ |
| **Californium** | | | | | |
| Cf-246 | $10^3$ | $10^6$ | $10^3$ | $10^9$ | $10^7$ |
| Cf-248 | 1 | $10^4$ | 10 | $10^7$ | $10^5$ |
| Cf-249 | 0.1 | $10^3$ | 1 | $10^6$ | $10^4$ |
| Cf-250 | 1 | $10^4$ | 10 | $10^6$ | $10^5$ |
| Cf-251 | 0.1 | $10^3$ | 1 | $10^6$ | $10^4$ |
| Cf-252 | 1 | $10^4$ | 10 | $10^7$ | $10^5$ |
| Cf-253 | $10^2$ | $10^5$ | $10^2$ | $10^8$ | $10^6$ |
| Cf-254 | 1 | $10^3$ | 1 | $10^7$ | $10^4$ |
| **Einsteinium** | | | | | |
| Es-253 | $10^2$ | $10^5$ | $10^2$ | $10^8$ | $10^6$ |
| Es-254+ | 0.1 | $10^4$ | 10 | $10^7$ | $10^5$ |
| Es-254m+ | 10 | $10^6$ | $10^2$ | $10^9$ | $10^7$ |
| **Fermium** | | | | | |
| Fm-254 | $10^4$ | $10^7$ | $10^4$ | $10^{10}$ | $10^8$ |

**(1)** Potassium salts in quantities less than 1,000kg are exempt.

| *1* | *2* | *3* | *4* | *5* | *6* |
|---|---|---|---|---|---|
| ***Radionuclide name, symbol, isotope*** | ***Concentration for: Notification (any amount of radioactive material); Registration (amounts of radioactive material that exceed 1,000kg)*** | ***Quantity for Notification*** | ***Concentration for Registration (amounts of radioactive material that do not exceed 1,000kg)*** | ***Quantity for notification of occurrences*** | ***Quantity for notification of occurrences*** |
| | ***Regulation 5(1) and Schedule 1, paragraph 1(a);regulation (2)(f)*** | ***Regulation 5(1) and Schedule 1, paragraph 1(b)*** | ***Regulation 6(2)(e)*** | ***Regulation 31(1)*** | ***Regulation 31(3)*** |
| | ***(Bq/g)*** | ***(Bq)*** | ***(Bq/g)*** | ***(Bq)*** | ***(Bq)*** |
| Fm-255 | $10^2$ | $10^6$ | $10^3$ | $10^9$ | $10^7$ |
| **Other radionuclides not listed above (see Note 1)** | | | | | |
| | 0.01 | $10^3$ | 0.1 | $10^5$ | $10^4$ |

**Note 1**

In the case of radionuclides not specified elsewhere in this Part, the quantities specified in this entry are to be used unless the Executive has approved some other quantity for that radionuclide.

**Note 2**

Nuclides carrying the suffix "+" in the above table represent parent nuclides and their progeny as listed in the table below. The dose contributions for those progeny are taken into account in the dose calculation (thus requiring only the exemption level of the parent radionuclide to be considered).

**(1)** Potassium salts in quantities less than 1,000kg are exempt.

**List of parent nuclides and their progeny as referred to in Note 2 above**

| ***Parent radionuclide*** | ***Progeny*** |
|---|---|
| Fe-52 | Mn-52m |
| Zn-69m | Zn-69 |
| Ge-68 | Ga-68 |
| Sr-90 | Y-90 |
| Sr-91 | Y-91m |
| Zr-93 | Nb-93m |
| Zr-95 | Nb-95 |

| ***Parent radionuclide*** | ***Progeny*** |
|---|---|
| Zr-97 | Nb-97m, Nb-97 |
| Nb-97 | Nb-97m |
| Mo-99 | Tc-99m |
| Mo-101 | Tc-101 |
| Ru-103 | Rh-103m |
| Ru-105 | Rh-105m |
| Ru-106 | Rh-106 |
| Pd-103 | Rh-103m |
| Pd-109 | Ag-109m |
| Ag-108m | Ag-108 |
| Ag-110m | Ag-110 |
| Cd-109 | Ag-109m |
| Cd-115 | In-115m |
| Cd-115m | In-115m |
| In-114m | In-114 |
| Sn-113 | In-113m |
| Sb-125 | Te-125m |
| Te-127m | Te-127 |
| Te-129m | Te-129 |
| Te-131m | Te-131 |
| Te-132 | I-132 |
| Cs-137 | Ba-137m |
| Ba-140 | La-140 |
| Ce-144 | Pr-144, Pr-144m |
| Pb-210 | Bi-210, Po-210 |
| Pb-212 | Bi-212, Tl-208, Po-212 |
| Bi-212 | Tl-208, Po-212 |
| Rn-220 | Po-216 |
| Rn-222 | Po-218, Pb-214, Bi-214, Po-214 |
| Ra-223 | Rn-219, Po-215, Pb-211, Bi-211, Tl-207 |
| Ra-224 | Rn-220, Po-216, Pb-212, Bi-212, Tl-208, Po-212 |
| Ra-226 | Rn-222, Po-218, Pb-214, Bi-214, Po-214, Pb-210, Bi-210, Po-210 |

| ***Parent radionuclide*** | ***Progeny*** |
|---|---|
| Ra-228 | Ac-228 |
| Th-226 | Ra-222, Rn-218, Po-214 |
| Th-228 | Ra-224, Rn-220, Po-216, Pb-212, Bi-212, Tl-208, Po-212 |
| Th-229 | Ra-225, Ac-225, Fr-221, At-217, Bi-213, Po-213, Pb-209 |
| Th-234 | Pa-234m |
| U-230 | Th-226, Ra-222, Rn-218, Po-214 |
| U-232 | Th-228, Ra-224, Rn-220, Po-216, Pb-212, Bi-212, Tl-208, Po-212 |
| U-235 | Th-231 |
| U-238 | Th-234, Pa-234m |
| U-240 | Np-240m, Np-240 |
| Np-237 | Pa-233 |
| Pu-244 | U-240, Np-240m, Np-240 |
| Am-242m | Am-242, Np-238 |
| Am-243 | Np-239 |
| Cm-247 | Pu-243 |
| Es-254 | Bk-250 |
| Es-254m | Fm-254 |