15 December 2020

Sources, Effects and Risks of Ionizing Radiation: United Nations Scientific Committee on the Effects of Atomic Radiation 2016 Report to the General Assembly, with Scientific Annexes

Corrigendum

1. **Annex A (Methodology for estimating public exposures due to radioactive discharges), page 81, table 25**

Column headed "Asia and Pacific"

In the entry for radionuclide ^{54}Mn, *for* 5.3×10^{-9} *read* 2.7×10^{-9}

In the entry for radionuclide ^{58}Co, *for* 8.6×10^{-10} *read* 4.6×10^{-10}

In the entry for radionuclide ^{60}Co, *for* 2.6×10^{-9} *read* 1.5×10^{-9}

In the entry for radionuclide ^{65}Zn, *for* 3.7×10^{-9} *read* 3.6×10^{-9}

In the entry for radionuclide ^{106}Ru[a], *for* 6.0×10^{-11} *read* 3.7×10^{-11}

In the entry for radionuclide ^{131}I, *for* 8.8×10^{-14} *read* 7.1×10^{-14}

In the entry for radionuclide ^{134}Cs, *for* 3.1×10^{-11} *read* 2.1×10^{-11}

In the entry for radionuclide ^{137}Cs[a], *for* 1.5×10^{-11} *read* 1.2×10^{-11}

In the entry for radionuclide ^{232}Th[a], *for* 1.6×10^{-8} *read* 1.1×10^{-8}

In the entry for radionuclide ^{238}U[a], *for* 3.3×10^{-11} *read* 3.2×10^{-11}

In the entry for radionuclide ^{241}Am, *for* 1.2×10^{-9} *read* 1.1×10^{-9}

Column headed "Europe"

In the entry for radionuclide ^{54}Mn, *for* 5.2×10^{-9} *read* 2.6×10^{-9}

In the entry for radionuclide ^{58}Co, *for* 8.3×10^{-10} *read* 4.3×10^{-10}

In the entry for radionuclide ^{60}Co, *for* 2.5×10^{-9} *read* 1.3×10^{-9}

In the entry for radionuclide ^{65}Zn, *for* 2.1×10^{-9} *read* 2.0×10^{-9}

In the entry for radionuclide ^{106}Ru[a], *for* 5.2×10^{-11} *read* 2.9×10^{-11}

In the entry for radionuclide ^{131}I, *for* 8.5×10^{-14} *read* 6.8×10^{-14}

In the entry for radionuclide ^{134}Cs, *for* 3.2×10^{-11} *read* 2.3×10^{-11}

In the entry for radionuclide ^{137}Cs[a], *for* 1.6×10^{-11} *read* 1.3×10^{-11}

In the entry for radionuclide ^{232}Th^a, *for* 1.5×10^{-8} *read* 9.1×10^{-9}

In the entry for radionuclide ^{241}Am, *for* 6.8×10^{-10} *read* 6.0×10^{-10}

Column headed "Latin America"

In the entry for radionuclide ^{54}Mn, *for* 5.2×10^{-9} *read* 2.6×10^{-9}

In the entry for radionuclide ^{58}Co, *for* 8.1×10^{-10} *read* 4.1×10^{-10}

In the entry for radionuclide ^{60}Co, *for* 2.4×10^{-9} *read* 1.2×10^{-9}

In the entry for radionuclide ^{65}Zn, *for* 1.4×10^{-9} *read* 1.3×10^{-9}

In the entry for radionuclide ^{90}Sr^a, *for* 5.1×10^{-13} *read* 5.0×10^{-13}

In the entry for radionuclide ^{106}Ru^a, *for* 4.8×10^{-11} *read* 2.5×10^{-11}

In the entry for radionuclide ^{131}I, *for* 5.7×10^{-14} *read* 4.0×10^{-14}

In the entry for radionuclide ^{134}Cs, *for* 2.6×10^{-11} *read* 1.6×10^{-11}

In the entry for radionuclide ^{137}Cs^a, *for* 1.2×10^{-11} *read* 7.9×10^{-12}

In the entry for radionuclide ^{232}Th^a, *for* 1.3×10^{-8} *read* 7.4×10^{-9}

In the entry for radionuclide ^{241}Am, *for* 4.0×10^{-10} *read* 3.3×10^{-10}

Column headed "North America"

In the entry for radionuclide ^{54}Mn, *for* 5.3×10^{-9} *read* 2.7×10^{-9}

In the entry for radionuclide ^{58}Co, *for* 8.5×10^{-10} *read* 4.5×10^{-10}

In the entry for radionuclide ^{60}Co, *for* 2.6×10^{-9} *read* 1.4×10^{-9}

In the entry for radionuclide ^{65}Zn, *for* 5.6×10^{-9} *read* 5.5×10^{-9}

In the entry for radionuclide ^{106}Ru^a, *for* 5.6×10^{-11} *read* 3.3×10^{-11}

In the entry for radionuclide ^{131}I, *for* 8.3×10^{-14} *read* 6.6×10^{-14}

In the entry for radionuclide ^{134}Cs, *for* 3.2×10^{-11} *read* 2.2×10^{-11}

In the entry for radionuclide ^{137}Cs^a, *for* 1.6×10^{-11} *read* 1.2×10^{-11}

In the entry for radionuclide ^{232}Th^a, *for* 1.7×10^{-8} *read* 1.2×10^{-8}

In the entry for radionuclide ^{241}Am, *for* 1.0×10^{-9} *read* 9.2×10^{-10}

Column headed "West Asia"

In the entry for radionuclide ^{54}Mn, *for* 5.2×10^{-9} *read* 2.6×10^{-9}

In the entry for radionuclide ^{58}Co, *for* 8.0×10^{-10} *read* 4.0×10^{-10}

In the entry for radionuclide ^{60}Co, *for* 2.3×10^{-9} *read* 1.2×10^{-9}

In the entry for radionuclide ^{65}Zn, *for* 5.9×10^{-10} *read* 5.3×10^{-10}

In the entry for radionuclide ^{90}Sr^a, *for* 2.2×10^{-13} *read* 2.1×10^{-13}

In the entry for radionuclide ^{106}Ru^a, *for* 4.6×10^{-11} *read* 2.3×10^{-11}

In the entry for radionuclide ^{131}I, *for* 4.7×10^{-14} *read* 3.0×10^{-14}

In the entry for radionuclide ^{134}Cs, *for* 2.4×10^{-11} *read* 1.4×10^{-11}

In the entry for radionuclide ^{137}Cs^a, *for* 1.0×10^{-11} *read* 6.3×10^{-12}

In the entry for radionuclide ^{232}Th^a, *for* 1.2×10^{-8} *read* 6.3×10^{-9}

In the entry for radionuclide ^{238}U^a, *for* 5.8×10^{-12} *read* 5.6×10^{-12}

In the entry for radionuclide ^{241}Am, *for* 2.3×10^{-10} *read* 1.5×10^{-10}

2. **Annex A (Methodology for estimating public exposures due to radioactive discharges), page 99, table A2**

For the existing equation T2 *substitute*

$$C_{air,progeny}(x) = C_{air,parent}(x) \frac{\lambda_{\text{progeny}}}{\lambda_{\text{progeny}} - \lambda_{\text{parent}}} \left(1 - e^{-(\lambda_{\text{progeny}} - \lambda_{\text{parent}})\left(\frac{x}{u_a}\right)} \right) \quad \text{(T2)}$$

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