

Background Air Concentrations

| Parameter ^a | Number of Samples ^b (Measurements) ^b | Minimum ^c | Maximum ^c | Average ^c |
|------------------------|---|-----------------------|-----------------------|-----------------------|
| ²⁴¹ Am | 12 (12) | 0 | 3.3×10^{-05} | |
| Fluoride | 52 (7) | 2.4×10^{-02} | 1.1×10^{-01} | 5.1×10^{-02} |
| ²³⁷ Np | 12 (12) | 0 | 1.3×10^{-05} | |
| ²³⁸ Pu | 12 (12) | 0 | 1.4×10^{-05} | |
| ^{239/240} Pu | 12 (12) | 0 | 3.8×10^{-06} | |
| ⁹⁹ Tc | 12 (12) | 0 | 4.1×10^{-03} | |
| Uranium | 12 (0) | 4.0×10^{-04} | 8.2×10^{-04} | 6.3×10^{-04} |
| ^{233/234} U | 12 (0) | 1.2×10^{-04} | 1.2×10^{-03} | 3.1×10^{-04} |
| ²³⁵ U | 12 (8) | 9.5×10^{-09} | 6.6×10^{-05} | |
| ²³⁶ U | 12 (10) | 0 | 1.2×10^{-05} | |
| ²³⁸ U | 12 (0) | 1.3×10^{-04} | 2.8×10^{-04} | 2.1×10^{-04} |

^a All parameters are measured in pCi/m³ with the exception of uranium and fluoride, which are measured in µg/m³.

^b Radiological samples are analyzed monthly, samples for fluoride are analyzed weekly. Number in parentheses is the number of samples that were below the detection limit.

^c For radionuclides, averages are not calculated for locations that had greater than 15 percent of the results below the detection limit. If the analytical result for a sample was below the detection limit, the ambient air concentration was calculated based on the detection limit for the sample. Averages were calculated for fluoride at all sampling locations.

Source: DOE 2003a.