

Table 6

**Comparison of Radiological Drinking Water Standards
By Country or Organization**

Contaminant	US EPA	Australia	Canada	United Kingdom	Germany	European Union	WHO
Uranium	30 ug/L	No Guideline	20 ug/L	Not Found	Not Found	No Guideline	2 ug/L
Gross Alpha	15 pCi/L	0.5 Bq/L	0.1 Bq/L*	Not Found	Not Found	No Guideline	0.1 Bq/L
Gross Beta	50 pCi/L	0.5 Bq/L	1.0 Bq/L*	Not Found	Not Found	No Guideline	1 Bq/L
Radon	300 pCi/L**	No Guideline	No Guideline	Not Found	Not Found	No Guideline	
		Total Indicative Dose 1 mSv/year	Total Indicative Dose - 0.1 mSv/year	Not Found	Not Found	Total Indicative Dose - 0.1 mSv/year	
PRIMARY LIST - Natural Radionuclides (Canada)							
Lead-210	No Guideline	No Guideline	0.1 Bq/L	Not Found	Not Found	No Guideline	No Guideline
Radium-224	No Guideline	No Guideline	2 Bq/L	Not Found	Not Found	No Guideline	No Guideline
Radium-226	5 pCi/L	No Guideline	0.6 Bq/L	Not Found	Not Found	No Guideline	No Guideline
Radium-228	5 pCi/L	No Guideline	0.5 Bq/L	Not Found	Not Found	No Guideline	No Guideline
Thorium-228	No Guideline	No Guideline	2 Bq/L	Not Found	Not Found	No Guideline	No Guideline
Thorium-230	No Guideline	No Guideline	0.4 Bq/L	Not Found	Not Found	No Guideline	No Guideline
Thorium-232	No Guideline	No Guideline	0.1 Bq/L	Not Found	Not Found	No Guideline	No Guideline
Thorium-234	No Guideline	No Guideline	20 Bq/L	Not Found	Not Found	No Guideline	No Guideline
Uranium-234	No Guideline	No Guideline	4 Bq/L	Not Found	Not Found	No Guideline	No Guideline
Uranium-235	No Guideline	No Guideline	4 Bq/L	Not Found	Not Found	No Guideline	No Guideline
Uranium-238	No Guideline	No Guideline	4 Bq/L	Not Found	Not Found	No Guideline	No Guideline

*If screening for Gross Alpha & Gross Beta exceed the limits, then further analysis for the listed Primary radionuclides is required.

Sievert (Sv) = SI unit for effective dose, which "is the sum of all equivalent doses received by all tissues or organs, weighted to account for the different sensitivities to radiation of different organs and tissues in the human body."

(Source Australian Drinking Water Guidelines, 1996, Updated 2001, Chapter 4, Section 4.4, page 4-2).

Bq/L = One transformation per second or approximately 27 pCi/L.

Table 6A

Comparison of Radiological Drinking Water Standards

By Country or Organization

Contaminant	US EPA	Australia	Canada	United Kingdom	Germany	European Union	WHO
PRIMARY LIST Artificial Radionuclides (Canada)							
Cesium-134	No Guideline	No Guideline	7 Bq/L	Not Found	Not Found	No Guideline	No Guideline
Cesium-137	No Guideline	No Guideline	10 Bq/L	Not Found	Not Found	No Guideline	No Guideline
Iodine-125	No Guideline	No Guideline	10 Bq/L	Not Found	Not Found	No Guideline	No Guideline
Iodine-131	No Guideline	No Guideline	6 Bq/L	Not Found	Not Found	No Guideline	No Guideline
Molybdenum-99	No Guideline	No Guideline	70 Bq/L	Not Found	Not Found	No Guideline	No Guideline
Strontium-90	No Guideline	No Guideline	5 Bq/L	Not Found	Not Found	No Guideline	No Guideline
Tritium	No Guideline	No Guideline	7000 Bq/L	Not Found	Not Found	100 Bq/L	No Guideline

Bq/L = One transformation per second or approximately 27 pCi/L.