

Table 1
International Atomic Energy Agency
Category 2 Thresholds

Radionuclide	Category 2 threshold ¹	
	(TBq)	(Ci)
Actinium-227, Californium-252, Thorium-228, Thorium-229	0.2 TeraBecquerel	5.4 Curies
Cobalt-60	0.3 TeraBecquerel	8.1 Curies
Radium-226	0.4 TeraBecquerel	11 Curies
Curium-244	0.5 TeraBecquerel	14 Curies
Americium-241, Americium-241/Be, Plutonium-236, Plutonium-238, Plutonium-239, Plutonium-239/Be, Plutonium-240, Polonium-210	0.6 TeraBecquerel	16 Curies
Iridium-192	0.8 TeraBecquerel	22 Curies
Cesium-137	1 TeraBecquerel	27 Curies
Selenium-75	2 TeraBecquerels	54 Curies
Ytterbium-169	3 TeraBecquerels	81 Curies
Gadolinium-153, Strontium-90 (Yttrium-90)	10 TeraBecquerels	270 Curies
Thulium-170	200 TeraBecquerels	5,400 Curies
Promethium-147	400 TeraBecquerels	11,000 Curies

Use the following method to determine which sources to report to the inventory:

- Convert Curies (Ci) to Terabecquerels (TBq) as follows: n (TBq) = N (Ci) x 0.037 TBq/Ci.
- Include any single source equal to or larger than the quantity of concern listed above.

¹ The TBq values in Table 1 are the same as the International Atomic Energy Agency (IAEA) Category 2 values and are the regulatory standards. Curie values provided here and in the IAEA Code of Conduct are rounded and not exact.