

SOME OF THE RADIOACTIVE POISONS IN USED NUCLEAR FUEL

NAME	HALF-LIFE: APPROXIMATE	EXACT	COMPARE WITH
Hydrogen-3 (tritium)	12 years	(12.4)	In Our Lifetime
Beryllium-10	1 million 6 hundred thousand years	(1.60)	Last Ice Age Begins
Carbon-14	5 thousand 7 hundred years	(5.73)	First Recorded Writing
Silicon-32	5 hundred years	(4.50)	Whites Arrive in America
Phosphorus-32	14 days	(14.3)	In Our Lifetime
Argon-39	3 hundred years	(2.69)	Before Canada or USA Potassium-
40	1 thousand million years	(1.28)	No Life on Land
Calcium-42	14 thousand years	(14.0)	No Crops Are Grown
Iron-55	3 years	(2.73)	In Our Lifetime
Cobalt-60	5 years	(5.27)	In Our Lifetime
Nickel-59	75 thousand years	(75.0)	No Humans in America
Nickel-63	10 years	(9.6)	In Our Lifetime
Selenium-79	65 thousand years	(65.0)	No Humans in America
Krypton-81	2 hundred thousand years	(210)	No Humans in America
Krypton-83	10 years	(10.7)	In Our Lifetime
Rubidium-87	47 thousand million years	(47.0)	No Planet Earth
Strontium-90	29 years	(29.1)	In Our Lifetime
Yttrium-90	2 days	(1.9)	In Our Lifetime
Zirconium-93	1 million 5 hundred thousand years	(1.53)	Start of Last Ice Age
Niobium-93m	14 years	(13.6)	In Our Lifetime
Niobium-94	20 thousand years	(20.3)	No Crops Are Grown
Molybdenum-93	3 thousand 5 hundred years	(3.50)	No Whites in America
Technetium-99	2 hundred thousand years	(213)	No Humans in America
Ruthenium-106	1 year	(1.02)	In Our Lifetime
Palladium-107	6 million 5 hundred thousand years	(6.50)	No Humans Anywhere
Cadmium-113m	14 years	(13.6)	In Our Lifetime
Tin-126 (Sn)	1 hundred thousand years	(100)	No Whites in America
Antimony-125 (Sb)	3 years	(2.77)	In Our Lifetime
Antimony-126 (Sb)	12 days	(12.4)	In Our Lifetime
Tellurium-125m	58 days	(58.0)	In Our Lifetime
Iodine-129	15 million 7 hundred thousand years	(15.7)	No Humans Anywhere
Cesium-134	2 years	(2.07)	In Our Lifetime
Cesium-135	2 million 3 hundred thousand years	(2.30)	Before the Last Ice Age
Cesium-137	30 years	(30.2)	In Our Lifetime
Cerium-144	3 hundred days	(2.84)	In Our Lifetime
Promethium-147	3 years	(2.62)	In Our Lifetime
Europium-154	9 years	(8.59)	In Our Lifetime
Europium-155	5 years	(4.71)	In Our Lifetime
Hafnium-182	9 million years	(9.00)	No Humans Anywhere
Tantalum-182	1 hundred days	(1.15)	In Our Lifetime
Rhenium-187	50 thousand million years	(50.0)	No Planet Earth
Lead-205 (Pb)	14 million 3 hundred thousand years	(14.3)	No Humans Anywhere
Lead-210	22 years	(22.3)	In Our Lifetime
Bismuth-208	4 hundred thousand years	(368)	No Whites in America
Bismuth-210	5 days	(5.00)	In Our Lifetime
Bismuth-210m	3 million years	(3.00)	No Humans Anywhere
Polonium-210	1 hundred days	(138)	In Our Lifetime
Radon-222	4 days	(3.83)	In Our Lifetime
Radon-223	11 days	(11.4)	In Our Lifetime
Radon-224	37 days	(36.5)	In Our Lifetime
Radon-225	14 days	(14.8)	In Our Lifetime
Radon-226	1 thousand 6 hundred years	(1.60)	No Whites in America
Radon-228	6 years	(5.75)	In Our Lifetime
Actinium-225	10 days	(10.0)	In Our Lifetime
Actinium-227	22 years	(21.8)	In Our Lifetime
Thorium-227	19 days	(18.7)	In Our Lifetime
Thorium-228	2 years	(1.91)	In Our Lifetime
Thorium-229	7 thousand 3 hundred years	(7.34)	First Cities Ever Built
Thorium-230	77 thousand years	(77.0)	No Humans in America
Thorium-231	1 day	(1.06)	In Our Lifetime
Thorium-232	14 thousand million years	(14.1)	No Planet Earth
Thorium-234	24 days	(24.1)	In Our Lifetime
Protactinium-231	32 thousand 8 hundred years	(32.8)	No Crops Are Grown
Protactinium-233	27 days	(26.99)	In Our Lifetime
Uranium-232	72 years	(72.0)	Beginning of Radio
Uranium-233	2 hundred thousand years	(1.59)	No Cities Anywhere
Uranium-234	2 hundred thousand years	(2.45)	No Cities Anywhere
Uranium-235	7 hundred million years	(7.04)	No Creatures With Bones
Uranium-236	23 million years	(23.4)	No Humans Anywhere
Uranium-238	4 thousand million years	(4.47)	Life Begins in the Oceans
Neptunium-237	2 million years	(2.14)	Before the Last Ice Age
Plutonium-238	88 years	(87.7)	No Radio
Plutonium-239	24 thousand 1 hundred years	(24.1)	No Cities Anywhere
Plutonium-240	6 thousand 5 hundred years	(6.54)	No Cities Anywhere
Plutonium-241	14 years	(14.4)	In Our Lifetime
Plutonium-242	4 hundred thousand years	(3.76)	No Humans in America
Americium-241	4 hundred years	(4.32)	Before Canada or USA
Americium-242m	1 hundred years	(1.41)	First Motion Pictures
Curium-244	18 years	(18.1)	In Our Lifetime