

4/20/99 (1)

Nuclide	half-life	30 days after last batch put in pool (Ci)	90 days after last batch put in pool (Ci)	1 year after last batch put in pool (Ci)	half-life	half-life (days)	0 days after last batch put in pool (Ci)
Co-58	70.9d	2.29E+04	1.26E+04	8.54E+02	70.9d	70.9	
Co-60	5.3y	3.72E+05	3.15E+05	2.85E+05	5.3y	1934.5	
Kr-85	10.8y	1.41E+06	1.39E+06	1.33E+06	10.8y	3942.0	
Rb-86	18.7d	1.01E+04	1.05E+03	3.84E-02	18.7d	18.7	
Sr-89	50.5d	8.39E+06	3.63E+06	8.33E+04	50.5d	50.5	
Sr-90	28.8y	1.42E+07	1.42E+07	1.39E+07	28.8y	10512.0	
Y-90	2.7d 28.8y	1.43E+07	1.42E+07	1.39E+07	2.7d	2.7	
Y-91	58.5d	1.18E+07	5.75E+06	2.21E+05	58.5d	58.5	
Zr-95	64.0d	1.94E+07	1.00E+07	5.10E+05	64.0d	64.0	
Nb-95	35.0d	2.54E+07	1.70E+07	1.11E+06	35.0d	35.0	
Mo-99	2.7d	1.49E+04	3.12E-03	0	2.7d	2.7	
Tc-99m	6.0h 2.7 d	1.43E+04	3.01E-03	0	6.0h	0.3	
Ru-103	37.3d	1.53E+07	5.21E+06	4.07E+04	37.3d	37.3	
Ru-106	1.0y	1.72E+07	1.53E+07	9.13E+06	1.0y	365.0	
Sb-127	3.8d	1.19E+06	1.39E-01	0	3.8d	3.8	
Te-127	109d	2.21E+05	1.45E+05	2.52E+04	109d	109.0	
Te-127m	9.4h 109 d	2.18E+05	1.48E+05	2.57E+04	9.4h	9.4	
Te-129	33.6d	2.74E+05	7.79E+04	2.68E+02	33.6d	33.6	
Te-129m	1.2h 33.6 d	4.21E+05	1.20E+05	4.12E+02	1.2h	0.1	
Te-132	3.2d	3.74E+04	8.64E-02	0	3.2d	3.2	
I-131	8.0d	1.22E+06	6.35E+03	0	8.0d	8.0	
I-132	2.3h 3.2 d	3.85E+04	8.90E-02	0	2.3h	0.1	
Xe-133	5.2d	7.29E+05	2.30E+02	0	5.2d	5.2	
Cs-134	2.1y	7.90E+06	7.47E+06	5.80E+06	2.1y	766.5	
Cs-136	13.2d	2.05E+05	8.13E+03	3.91E-03	13.2d	13.2	
Cs-137	30.0y	2.02E+07	2.01E+07	1.97E+07	30.0y	10950.0	
Ba-140	12.8d	5.19E+06	1.90E+05	6.41E-02	12.8d	12.8	
La-140	1.7d 12.8 d	5.97E+06	2.19E+05	7.37E-02	1.7d	1.7	
Ce-141	32.5d	1.32E+07	3.61E+06	1.03E+04	32.5d	32.5	
Ce-144	284.6d	2.64E+07	2.27E+07	1.16E+07	284.6d	284.6	
Pr-143	13.6d	5.44E+06	2.41E+05	1.90E-01	13.6d	13.6	
Nd-147	11.0d	1.54E+06	3.36E+04	1.10E-03	11.0d	11.0	
Np-239	2.4d	5.59E+04	2.88E+03	2.88E+03	2.4d	2.4	
Pu-238	87.7y	4.51E+05	4.53E+05	4.54E+05	87.7y	32010.5	
Pu-239	24100y	8.89E+04	8.89E+04	8.89E+04	24100y	8796500.0	
Pu-240	6560y	1.30E+05	1.30E+05	1.30E+05	6560y	2394400.0	
Pu-241	14.4y	2.29E+07	2.27E+07	2.19E+07	14.4y	5256.0	
Am-241	432.7y	2.88E+05	2.94E+05	3.21E+05	432.7y	157935.5	
Cm-242	162.8d	1.45E+06	1.12E+06	3.50E+05	162.8d	162.8	
Cm-244	18.1y	2.27E+05	2.25E+05	2.19E+05	18.1y	6606.5	

C134

30 days at last batch put in pool (Ci)	90 days at last batch put in pool (Ci)	1 year after last batch put in pool (Ci)	% off 90 days
2.29E+04	1.27E+04		-1
3.72E+05	3.64E+05		-16
1.41E+06	1.40E+06		0
1.01E+04	1.09E+03		-4
8.39E+06	3.68E+06		-1
1.42E+07	1.41E+07		0
1.43E+07	2.93E+00		100
1.18E+07	5.80E+06		-1
1.94E+07	1.01E+07		-1
2.54E+07	7.74E+06		54
1.49E+04	3.06E-03		2
1.43E+04	8.38E-69		100
1.53E+07	5.02E+06		4
1.72E+07	1.53E+07		0
1.19E+06	2.11E+01		-15051
2.21E+05	1.51E+05		-4
2.18E+05	2.61E+03		98
2.74E+05	7.95E+04		-2
4.21E+05	0.00E+00		100
3.74E+04	8.51E-02		2
1.22E+06	6.75E+03		-6
3.85E+04	#####		100
7.29E+05	2.45E+02		-7
7.90E+06	7.48E+06		0
2.05E+05	8.78E+03		-8
2.02E+07	2.01E+07		0
5.19E+06	2.02E+05		-6
5.97E+06	1.42E-04		100
1.32E+07	3.67E+06		-2
2.64E+07	2.28E+07		0
5.44E+06	2.56E+05		-6
1.54E+06	3.51E+04		-5
5.59E+04	1.67E-03		100
4.51E+05	4.50E+05		1
8.89E+04	8.89E+04		0
1.30E+05	1.30E+05		0
2.29E+07	2.27E+07		0
2.88E+05	2.88E+05		2
1.45E+06	1.12E+06		0
2.27E+05	2.26E+05		0