

02/14/2000
Millstone 1

Nuclide	half-life	half-life (days)	RV(0)	RV(30)	RV(365)	RV(365)	Inventory in SFP 365 days after Batch 11 discharged (Bq)	Ratio of inventories (Bq/Bq)
			Inventory in reactor vessel just before discharge of Batch 11 (Ci)	Inventory in reactor vessel 30 days after Batch 11 discharged (assuming Batch 11 not discharged) (Ci)	Inventory in reactor vessel 365 days after Batch 11 discharged (assuming Batch 11 not discharged) (Ci)	Inventory in reactor vessel 365 days after Batch 11 discharged (assuming Batch 11 not discharged) (Bq)		
Co-58	70.9d	70.9	8.81E+04	6.57E+04	2.49E+03	9.20E+13		
Co-60	5.3y	1934.5	1.64E+05	1.62E+05	1.44E+05	5.32E+15		
Kr-85	10.8y	3942.0	5.35E+05	5.32E+05	5.02E+05	1.86E+16		
Rb-86	18.7d	18.7	6.22E+04	2.05E+04	8.30E-02	3.07E+09		
Sr-89	50.5d	50.5	4.71E+07	3.12E+07	3.15E+05	1.16E+16		
Sr-90	28.8y	10512.0	4.25E+06	4.24E+06	4.15E+06	1.54E+17		
Y-90	28.8y	10512.0	4.37E+06	4.36E+06	4.27E+06	1.58E+17		
Y-91	58.5d	58.5	6.06E+07	4.25E+07	8.03E+05	2.97E+16		
Zr-95	64.0d	64.0	8.70E+07	6.29E+07	1.67E+06	6.18E+16		
Nb-95	64.0d	64.0	8.91E+07	6.44E+07	1.71E+06	6.33E+16		
Mo-99	2.7d	2.7	8.78E+07	3.98E+04	1.81E-33	6.69E-23		
Tc-99m	2.7d	2.7	7.69E+07	3.48E+04	1.58E-33	5.86E-23		
Ru-103	37.3d	37.3	7.23E+07	4.14E+07	8.20E+04	3.04E+15		
Ru-106	1.0y	365.0	2.48E+07	2.34E+07	1.24E+07	4.59E+17	5.77E+17	1.26
Sb-127	3.8d	3.8	4.97E+06	2.09E+04	6.13E-23	2.27E-12		
Te-127	109d(9h)	109.0	4.92E+06	5.46E+05	6.49E+04	2.40E+15		
Te-127m	109d	109.0	6.61E+05	5.46E+05	6.49E+04	2.40E+15		
Te-129	33.6d(69m)	33.6	1.49E+07	1.21E+06	1.20E+03	4.46E+13		
Te-129m	33.6d	33.6	2.24E+06	1.21E+06	1.20E+03	4.46E+13		
Te-132	3.2d	3.2	6.72E+07	1.01E+05	3.15E-27	1.17E-16		
I-131	8.0d	8.0	4.74E+07	3.52E+06	8.79E-07	3.25E+04		
I-132	3.2d	3.2	6.83E+07	1.03E+05	3.20E-27	1.18E-16		
Xe-133	5.2d	5.2	9.72E+07	1.78E+06	7.28E-14	2.69E-03		
Cs-134	2.1y	766.5	6.10E+06	5.94E+06	4.39E+06	1.62E+17		
Cs-136	13.2d	13.2	2.10E+06	4.35E+05	1.00E-02	3.70E+08		
Cs-137	30.0y	10950.0	5.84E+06	5.83E+06	5.71E+06	2.11E+17	8.38E+17	3.97
Ba-140	12.8d	12.8	8.36E+07	1.65E+07	2.19E-01	8.09E+09		
La-140	12.8d	12.8	8.54E+07	1.68E+07	2.23E-01	8.27E+09		
Ce-141	32.5d	32.5	7.94E+07	4.19E+07	3.31E+04	1.22E+15		
Ce-144	284.6d	284.6	6.05E+07	5.62E+07	2.49E+07	9.20E+17		
Pr-143	13.6d	13.6	7.37E+07	1.60E+07	6.17E-01	2.28E+10		
Nd-147	11.0d	11.0	3.16E+07	4.77E+06	3.26E-03	1.21E+08		
Np-239	2.4d	2.4	9.98E+08	1.73E+05	1.69E-37	6.24E-27		
Pu-238	87.7y	32010.5	9.33E+04	9.32E+04	9.26E+04	3.42E+15		
Pu-239	24100y	#####	2.49E+04	2.49E+04	2.49E+04	9.21E+14		
Pu-240	6560y	#####	3.14E+04	3.14E+04	3.14E+04	1.16E+15		
Pu-241	14.4y	5256.0	7.19E+06	7.16E+06	6.85E+06	2.54E+17		
Am-241	432.7y	157935.5	8.86E+03	8.86E+03	8.85E+03	3.27E+14		
Cm-242	162.8d	162.8	2.09E+06	1.84E+06	4.42E+05	1.64E+16		
Cm-244	18.1y	6606.5	6.72E+04	6.70E+04	6.47E+04	2.39E+15		

F/31