IMPORTANT::
The calculations of an activity's fall - from the year "1", up - take into account the sum activity of the radioactive series + its parent isotope derivative (if are any, for a given isotope)

IN THE TABLE 7:
There are diagrams of radioactive series of the 34th parent isotopes - given also in the TABLES No.:
1, 2a-b, 5, 6, 8a-e

TABLE 1: **Activity of isotopes emitted in the Fukushima Nuclear Power Plant accident — in 2011** (ranked in the order given by METI) — source data for the year "0": *http://www.meti.go.jp/press/2011/06/20110606008/20110606008-2.pdf [p.13]*

Years from FUKUSHIMA Failue:	133-Xe	134-Cs	137-Cs	89-Sr	90-Sr	140-Ba	127m-Te	129m-Te	131m-Te	132-Te	103-Ru	106-Ru	95-Zr	141-Ce	144-Ce	239-Np	238-Pu	239-Pu	240-Pu	241-Pu	91-Y	143-Pr	147-Nd	242-Cm	131-I	132-I	133-I	135-I	127-Sb	129-Sb	99-Mo	TOTAL Fukushima's activity: [Bq]	= [Ci]	FUKUSHIMA's decreasing of activity: compare to year "0"	Years from FUKUSHIMA Failue:
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31				
0	**1.13E+19**	**1.75E+16**	**1.53E+16**	**1.96E+15**	**1.39E+14**	**3.13E+15**	**1.09E+15**	**3.33E+15**	**4.95E+15**	**8.84E+16**	**7.50E+09**	**2.14E+09**	**1.67E+13**	**1.77E+13**	**1.15E+13**	**7.61E+13**	**1.88E+10**	**3.23E+09**	**3.13E+09**	**1.25E+12**	**3.45E+12**	**4.08E+12**	**1.67E+12**	**1.02E+11**	**1.59E+17**	**1.30E+13**	**4.22E+16**	**2.26E+15**	**6.35E+15**	**1.42E+14**	**6.70E+09**	**1.16E+19**	**314,754,919**	1 : 1	*0*
1	<1.00	1.25E+16	2.91E+16	1.30E+13	2.72E+14	1.58E+07	2.11E+14	2.94E+12	1.15E+04	—	2.38E+07	2.15E+09	1.00E+12	7.32E+09	9.48E+12	2.04E+07	1.87E+10	3.23E+09	3.13E+09	1.19E+12	4.56E+10	3.18E+04	1.49E+10	2.19E+10	2.12E+06	—	<<1.00	7.42E+05	7.94E+12	1.52E+08	2.37E+02	4.21E+16	1,138,614	1 : 276	*1*
2	—	8.95E+15	2.84E+16	8.68E+10	2.65E+14	<1.00	2.07E+13	1.59E+09	—	—	3.78E+04	1.08E+09	1.97E+10	3.03E+06	3.89E+12	2.04E+07	1.85E+10	3.23E+09	3.13E+09	1.14E+12	6.02E+08	<<1.00	1.14E+10	5.04E+09	<1.00	—	—	7.42E+05	7.78E+11	8.58E+04	2.37E+02	3.77E+16	1,018,161	1 : 309	*2*
3	—	6.39E+15	2.78E+16	5.77E+08	2.59E+14	—	2.03E+12	2.04E+07	—	—	6.00E+01	5.44E+08	3.76E+08	1.26E+03	1.60E+12	2.04E+07	1.84E+10	3.23E+09	3.13E+09	1.09E+12	7.95E+06	—	8.76E+09	1.46E+09	—	—	—	7.42E+05	7.63E+10	4.51E+03	2.37E+02	3.44E+16	930,752	1 : 338	*3*
4	—	4.57E+15	2.71E+16	3.84E+06	2.53E+14	—	1.99E+11	1.95E+07	—	—	<1.00	2.74E+08	7.20E+06	<1.00	6.56E+11	2.04E+07	1.82E+10	3.23E+09	3.13E+09	1.04E+12	1.05E+05	—	6.73E+09	7.06E+08	—	—	—	7.42E+05	7.48E+09	4.47E+03	2.37E+02	3.20E+16	863,887	1 : 364	*4*
5	—	3.26E+15	2.65E+16	2.55E+04	2.47E+14	—	1.95E+10	1.95E+07	—	—	<<1.00	1.38E+08	1.38E+05	<<1.00	2.69E+11	2.04E+07	1.81E+10	3.23E+09	3.13E+09	9.92E+11	1.39E+03	—	5.17E+09	5.43E+08	—	—	—	7.42E+05	7.33E+08	4.47E+03	2.37E+02	3.00E+16	811,684	1 : 388	*5*
6	—	2.33E+15	2.59E+16	1.70E+02	2.41E+14	—	1.91E+09	1.95E+07	—	—	—	6.92E+07	2.63E+03	—	1.10E+11	2.04E+07	1.81E+10	3.23E+09	3.13E+09	9.48E+11	1.83E+01	—	3.97E+09	5.06E+08	—	—	—	7.42E+05	7.18E+07	4.47E+03	2.37E+02	2.85E+16	770,116	1 : 409	*6*
7	—	1.67E+15	2.53E+16	1.13E+00	2.36E+14	—	1.87E+08	1.95E+07	—	—	—	3.48E+07	5.03E+01	—	4.53E+10	2.04E+07	1.78E+10	3.23E+09	3.13E+09	9.05E+11	<1.00	—	3.05E+09	4.95E+08	—	—	—	7.42E+05	7.04E+06	4.47E+03	2.37E+02	2.72E+16	735,743	1 : 428	*7*
8	—	1.19E+15	2.48E+16	<1.00	2.30E+14	—	1.84E+07	1.95E+07	—	—	—	1.75E+07	<1.00	—	1.86E+10	2.04E+07	1.77E+10	3.23E+09	3.13E+09	8.64E+11	<1.00	—	2.34E+09	4.89E+08	—	—	—	7.42E+05	6.90E+05	4.47E+03	2.37E+02	2.62E+16	707,322	1 : 445	*8*
9	—	8.51E+14	2.42E+16	<<1.00	2.25E+14	—	1.80E+06	1.95E+07	—	—	—	8.79E+06	<1.00	—	7.64E+09	2.04E+07	1.75E+10	3.23E+09	3.13E+09	8.26E+11	<<1.00	—	1.80E+09	4.85E+08	—	—	—	7.42E+05	6.76E+04	4.47E+03	2.37E+02	2.53E+16	682,602	1 : 461	*9*
10	—	6.08E+14	2.36E+16	<<1.00	2.19E+14	—	1.76E+05	1.95E+07	—	—	—	4.42E+06	<<1.00	—	3.14E+09	2.04E+07	1.74E+10	3.23E+09	3.12E+09	7.89E+11	<<1.00	—	1.38E+09	4.81E+08	—	—	—	7.42E+05	6.63E+03	4.47E+03	2.37E+02	2.45E+16	661,030	1 : 476	*10*
11	—	4.34E+14	2.31E+16	—	2.14E+14	—	1.73E+04	1.95E+07	—	—	—	2.22E+06	<<1.00	—	1.29E+09	2.04E+07	1.73E+10	3.23E+09	3.12E+09	7.54E+11	—	—	1.06E+09	4.78E+08	—	—	—	7.42E+05	6.50E+02	4.47E+03	2.37E+02	2.37E+16	641,602	1 : 491	*11*
12	—	3.10E+14	2.26E+16	—	2.09E+14	—	1.69E+03	1.95E+07	—	—	—	1.12E+06	—	—	5.28E+08	2.04E+07	1.71E+10	3.23E+09	3.12E+09	7.20E+11	—	—	8.13E+08	4.74E+08	—	—	—	7.42E+05	6.37E+01	4.47E+03	2.37E+02	2.31E+16	623,790	1 : 505	*12*
13	—	2.22E+14	2.21E+16	—	2.04E+14	—	1.66E+02	1.95E+07	—	—	—	5.62E+05	—	—	2.17E+08	2.04E+07	1.70E+10	3.22E+09	3.12E+09	6.88E+11	—	—	6.24E+08	4.70E+08	—	—	—	7.42E+05	6.24E+00	4.47E+03	2.37E+02	2.25E+16	607,473	1 : 518	*13*
14	—	1.58E+14	2.15E+16	—	1.99E+14	—	1.63E+01	1.95E+07	—	—	—	2.82E+05	—	—	8.90E+07	2.04E+07	1.69E+10	3.22E+09	3.12E+09	6.58E+11	—	—	4.79E+08	4.66E+08	—	—	—	7.42E+05	<1.00	4.47E+03	2.37E+02	2.19E+16	591,848	1 : 532	*14*
15	—	1.13E+14	2.11E+16	—	1.95E+14	—	1.60E+00	1.95E+07	—	—	—	1.42E+05	—	—	3.65E+07	2.04E+07	1.67E+10	3.22E+09	3.12E+09	6.29E+11	—	—	3.68E+08	4.63E+08	—	—	—	7.42E+05	<1.00	4.47E+03	2.37E+02	2.14E+16	577,258	1 : 545	*15*
16	—	8.09E+13	2.06E+16	—	1.90E+14	—	<1.00	1.95E+07	—	—	—	7.14E+04	—	—	1.50E+07	2.04E+07	1.66E+10	3.22E+09	3.12E+09	6.01E+11	—	—	2.82E+08	4.59E+08	—	—	—	7.42E+05	<1.00	4.47E+03	2.37E+02	2.08E+16	563,287	1 : 559	*16*
17	—	5.78E+13	2.01E+16	—	1.86E+14	—	<1.00	1.95E+07	—	—	—	3.59E+04	—	—	6.15E+06	2.04E+07	1.65E+10	3.22E+09	3.12E+09	5.75E+11	—	—	2.17E+08	4.55E+08	—	—	—	7.42E+05	<<1.00	4.47E+03	2.37E+02	2.03E+16	549,838	1 : 572	*17*
18	—	4.13E+13	1.96E+16	—	1.81E+14	—	<1.00	1.95E+07	—	—	—	1.80E+04	—	—	2.53E+06	2.04E+07	1.63E+10	3.22E+09	3.12E+09	5.50E+11	—	—	1.67E+08	4.52E+08	—	—	—	7.42E+05	<<1.00	4.47E+03	2.37E+02	1.99E+16	536,840	1 : 586	*18*
19	—	2.95E+13	1.92E+16	—	1.77E+14	—	<<1.00	1.95E+07	—	—	—	9.07E+03	—	—	1.04E+06	2.04E+07	1.62E+10	3.22E+09	3.12E+09	5.26E+11	—	—	1.28E+08	4.48E+08	—	—	—	7.42E+05	<<1.00	4.47E+03	2.37E+02	1.94E+16	524,245	1 : 600	*19*
20	—	2.11E+13	1.88E+16	—	1.73E+14	—	<<1.00	1.95E+07	—	—	—	4.56E+03	—	—	4.26E+05	2.04E+07	1.61E+10	3.22E+09	3.12E+09	5.03E+11	—	—	9.82E+07	4.45E+08	—	—	—	7.42E+05	—	4.47E+03	2.37E+02	1.89E+16	512,011	1 : 615	*20*
21	—	1.51E+13	1.83E+16	—	1.69E+14	—	<<1.00	1.95E+07	—	—	—	2.29E+03	—	—	1.75E+05	2.04E+07	1.60E+10	3.22E+09	3.12E+09	4.81E+11	—	—	7.54E+07	4.41E+08	—	—	—	7.42E+05	—	4.47E+03	2.37E+02	1.85E+16	500,115	1 : 629	*21*
22	—	1.08E+13	1.79E+16	—	1.65E+14	—	—	1.95E+07	—	—	—	1.15E+03	—	—	7.17E+04	2.04E+07	1.58E+10	3.22E+09	3.12E+09	4.61E+11	—	—	5.79E+07	4.38E+08	—	—	—	7.42E+05	—	4.47E+03	2.37E+02	1.81E+16	488,812	1 : 644	*22*
23	—	7.69E+12	1.75E+16	—	1.61E+14	—	—	1.95E+07	—	—	—	5.80E+02	—	—	2.94E+04	2.04E+07	1.57E+10	3.22E+09	3.12E+09	4.41E+11	—	—	4.44E+07	4.34E+08	—	—	—	7.42E+05	—	4.47E+03	2.37E+02	1.77E+16	477,542	1 : 659	*23*
24	—	5.50E+12	1.71E+16	—	1.57E+14	—	—	1.95E+07	—	—	—	2.92E+02	—	—	1.21E+04	2.04E+07	1.56E+10	3.22E+09	3.12E+09	4.22E+11	—	—	3.41E+07	4.31E+08	—	—	—	7.42E+05	—	4.47E+03	2.37E+02	1.73E+16	466,569	1 : 675	*24*
25	—	3.93E+12	1.67E+16	—	1.53E+14	—	—	1.95E+07	—	—	—	1.47E+02	—	—	4.96E+03	2.04E+07	1.55E+10	3.22E+09	3.12E+09	4.04E+11	—	—	2.62E+07	4.28E+08	—	—	—	7.42E+05	—	4.47E+03	2.37E+02	1.69E+16	455,885	1 : 690	*25*
100	—	4.41E+01	2.95E+15	—	2.57E+13	—	—	1.95E+07	—	—	—	—	—	—	—	2.03E+07	8.55E+09	3.22E+09	3.10E+09	4.65E+10	—	—	<1.00	2.36E+08	—	—	—	7.42E+05	—	4.47E+03	2.37E+02	2.98E+15	80,535	1 : 3,908	*100*
200	—	—	2.93E+14	—	2.38E+12	—	—	1.95E+07	—	—	—	—	—	—	—	2.03E+07	3.88E+09	3.21E+09	3.06E+09	3.14E+10	—	—	<1.00	1.07E+08	—	—	—	7.42E+05	—	4.47E+03	2.37E+02	2.95E+14	7,984	1 : 39,421	*200*
300	—	—	2.91E+13	—	2.20E+11	—	—	1.95E+07	—	—	—	—	—	—	—	2.02E+07	1.77E+09	3.20E+09	3.03E+09	2.67E+10	—	—	<1.00	4.89E+07	—	—	—	7.42E+05	—	4.47E+03	2.37E+02	2.93E+13	793	1 : ,397,133	*300*
400	—	—	2.88E+12	—	2.04E+10	—	—	1.95E+07	—	—	—	—	—	—	—	2.02E+07	8.05E+08	3.19E+09	3.00E+09	2.27E+10	—	—	<1.00	2.23E+07	—	—	—	7.42E+05	—	4.47E+03	2.37E+02	2.93E+12	79	1 : 3,969,106	*400*
500	—	—	2.86E+11	—	1.89E+09	—	—	1.95E+07	—	—	—	—	—	—	—	2.01E+07	3.69E+08	3.18E+09	2.97E+09	1.93E+10	—	—	<1.00	1.02E+07	—	—	—	7.42E+05	—	4.47E+03	2.36E+02	3.14E+11	8.5	1 : 37,089,929	*500*
600	—	—	2.84E+10	—	1.75E+08	—	—	1.95E+07	—	—	—	—	—	—	—	2.00E+07	1.71E+08	3.17E+09	2.94E+09	1.65E+10	—	—	<1.00	4.74E+06	—	—	—	7.42E+05	—	4.47E+03	2.36E+02	5.14E+10	1.4	1 : 226,725,701	*600*
700	—	—	2.82E+09	—	1.61E+07	—	—	1.95E+07	—	—	—	—	—	—	—	2.00E+07	8.15E+07	3.16E+09	2.90E+09	1.40E+10	—	—	<1.00	2.25E+06	—	—	—	7.42E+05	—	4.47E+03	2.36E+02	2.31E+10	0.6	1 : 504,981,446	*700*
800	—	—	2.80E+08	—	1.49E+06	—	—	1.95E+07	—	—	—	—	—	—	—	1.99E+07	4.07E+07	3.15E+09	2.87E+09	1.20E+10	—	—	<1.00	1.13E+06	—	—	—	7.42E+05	—	4.47E+03	2.36E+02	1.83E+10	0.5	1 : 634,724,674	*800*
900	—	—	2.77E+07	—	1.38E+05	—	—	1.95E+07	—	—	—	—	—	—	—	1.99E+07	2.22E+07	3.14E+09	2.84E+09	1.02E+10	—	—	<1.00	6.14E+05	—	—	—	7.42E+05	—	4.47E+03	2.36E+02	1.63E+10	0.4	1 : 715,931,306	*900*
1 000	—	—	2.75E+06	—	1.28E+04	—	—	1.95E+07	—	—	—	—	—	—	—	1.98E+07	1.39E+07	3.13E+09	2.81E+09	8.69E+09	—	—	<1.00	3.82E+05	—	—	—	7.42E+05	—	4.47E+03	2.36E+02	1.47E+10	0.4	1 : 792,776,200	*1 000*
2 000	—	—	<<1.00	—	<<1.00	—	—	1.95E+07	—	—	—	—	—	—	—	1.92E+07	7.16E+06	3.05E+09	2.53E+09	1.76E+09	—	—	<1.00	1.97E+05	—	—	—	7.42E+05	—	4.47E+03	2.35E+02	7.38E+09	0.2	1 : 1,577,644,449	*2 000*
10 000	—	—	—	—	—	—	—	1.95E+07	—	—	—	—	—	—	—	1.53E+07	1.11E+07	2.42E+09	1.08E+09	1.80E+07	—	—	<1.00	3.05E+05	—	—	—	7.40E+05	—	4.47E+03	2.29E+02	3.57E+09	0.1	1 : 3,265,861,742	*10 000*
20 000	—	—	—	—	—	—	—	1.95E+07	—	—	—	—	—	—	—	1.15E+07	1.61E+07	1.81E+09	3.76E+08	2.04E+07	—	—	<1.00	4.43E+05	—	—	—	7.38E+05	—	4.46E+03	2.22E+02	2.26E+09	0.06	1 : 5,158,691,859	*20 000*
100 000	—	—	—	—	—	—	—	1.94E+07	—	—	—	—	—	—	—	1.15E+06	3.89E+07	1.82E+08	9.49E+05	4.05E+07	—	—	<1.00	1.07E+06	—	—	—	7.20E+05	—	4.45E+03	1.71E+02	2.85E+08	0.01	1 : 40,914,109,232	*100 000*
200 000	—	—	—	—	—	—	—	1.93E+07	—	—	—	—	—	—	—	7.16E+04	4.35E+07	1.13E+07	8.68E+05	5.70E+07	—	—	<1.00	1.20E+06	—	—	—	6.99E+05	—	4.43E+03	1.24E+02	1.34E+08	0.004	1 : 86,890,271,323	*200 000*
1 000 000	—	—	—	—	—	—	—	1.87E+07	—	—	—	—	—	—	—	7.66E+03	6.21E+06	1.21E+06	8.49E+05	7.05E+07	—	—	<1.00	1.71E+05	—	—	—	5.49E+05	—	4.28E+03	9.14E+00	9.82E+07	0.003	1 : 118,649,051,560	*1 000 000*
2 000 000	—	—	—	—	—	—	—	1.79E+07	—	—	—	—	—	—	—	7.65E+03	3.66E+05	1.21E+06	8.24E+05	5.17E+07	—	—	<1.00	1.01E+04	—	—	—	4.06E+05	—	4.09E+03	<1.00	7.24E+07	0.002	1 : 160,791,906,354	*2 000 000*

TABLE 2-a: Activities of isotopes emitted in the Chernobyl Nuclear Power Plant accident — in 1986 (based on the Report UNSCEAR2000 AnnexJ)

— source data for the year "0": *http://www.unscear.org/docs/reports/annexj.pdf [p. 519]*

Years from ChNPP Failue:	85-Kr	136-Cs	242-Pu	133-Xe	134-Cs	137-Cs	89-Sr	90-Sr	140-Ba	127m-Te	129m-Te	131m-Te	132-Te	103-Ru	106-Ru	95-Zr	141-Ce	144-Ce	239-Np	238-Pu	239-Pu	240-Pu	241-Pu	91-Y	143-Pr	147-Nd	242-Cm	131-I	132-I	133-I	135-I	127-Sb	129-Sb	99-Mo	TOTAL ChNPP's activity: [Bq]	TOTAL ChNPP's activity: =[Ci]	ChNPP's decreasing of activity: compare to year "0"	Years from ChNPP Failue:
	1	2	3	4	5	6	7	8	9		10		11	12	13	14	15	16	17	18	19	20	21				22	23		24				25				
0	**3.30E+16**	**3.60E+16**	**9.00E+10**	**6.50E+18**	**5.40E+16**	**8.50E+16**	**1.15E+17**	**1.00E+16**	**2.40E+17**	*N/A*	**2.40E+17**	*N/A*	**1.15E+18**	**1.68E+17**	**7.30E+16**	**1.96E+17**	**1.96E+17**	**1.16E+17**	**9.45E+17**	**3.50E+13**	**3.00E+13**	**4.20E+12**	**6.00E+15**	*N/A*	*N/A*	*N/A*	**9.00E+14**	**1.76E+18**	*N/A*	**2.50E+18**	*N/A*	*N/A*	*N/A*	**1.68E+17**	**1.46E+19**	**394,377,548**	1 : 1	**0**
1	3.09E+16	1.61E+08	9.00E+10	<1.00	3.86E+16	1.62E+17	7.65E+14	1.95E+16	1.21E+09		2.12E+14		—	5.33E+14	7.34E+16	1.18E+16	8.12E+13	9.61E+16	2.53E+11	3.47E+13	3.00E+13	4.20E+12	5.73E+15				1.94E+14	1.46E+08		<<1.00				5.94E+09	4.39E+17	11,877,579	1 : 33	1
2	2.90E+16	<1.00	9.00E+10	—	2.76E+16	1.58E+17	5.09E+12	1.91E+16	2.84E+00		1.14E+11		—	8.47E+11	3.69E+16	2.31E+14	3.36E+10	3.94E+16	2.53E+11	3.45E+13	3.00E+13	4.20E+12	5.47E+15				4.45E+13	<1.00		—				5.94E+09	3.16E+17	8,532,122	1 : 46	2
3	2.72E+16	—	9.00E+10	—	1.97E+16	1.54E+17	3.38E+10	1.86E+16	—		1.47E+09		—	1.34E+09	1.86E+16	4.42E+12	1.39E+07	1.62E+16	2.53E+11	3.42E+13	3.00E+13	4.20E+12	5.22E+15				1.29E+13	—		—				5.94E+09	2.60E+17	7,022,327	1 : 56	3
4	2.55E+16	—	9.00E+10	—	1.41E+16	1.51E+17	2.25E+08	1.82E+16	—		1.41E+09		—	2.14E+06	9.33E+15	8.46E+10	5.76E+03	6.64E+15	2.53E+11	3.39E+13	3.00E+13	4.20E+12	4.98E+15				6.23E+12	—		—				5.94E+09	2.30E+17	6,204,372	1 : 64	4
5	2.39E+16	—	9.00E+10	—	1.01E+16	1.47E+17	1.50E+06	1.78E+16	—		1.41E+09		—	3.39E+03	4.69E+15	1.62E+09	2.39E+00	2.73E+15	2.53E+11	3.36E+13	3.00E+13	4.20E+12	4.76E+15				4.79E+12	—		—				5.94E+09	2.11E+17	5,708,918	1 : 69	5
5	2.24E+16	—	9.00E+10	—	7.19E+15	1.44E+17	9.94E+03	1.73E+16	—		1.41E+09		—	5.39E+00	2.36E+15	3.09E+07	<1.00	1.12E+15	2.53E+11	3.34E+13	3.00E+13	4.20E+12	4.55E+15				4.46E+12	—		—				5.94E+09	1.99E+17	5,378,362	1 : 73	6
7	2.10E+16	—	9.00E+10	—	5.13E+15	1.41E+17	6.61E+01	1.69E+16	—		1.41E+09		—	<1.00	1.19E+15	5.91E+05	<<1.00	4.59E+14	2.53E+11	3.31E+13	3.00E+13	4.20E+12	4.34E+15				4.37E+12	—		—				5.94E+09	1.90E+17	5,129,768	1 : 77	7
8	1.97E+16	—	9.00E+10	—	3.67E+15	1.38E+17	<1.00	1.65E+16	—		1.41E+09		—	<<1.00	5.96E+14	1.13E+04	—	1.89E+14	2.53E+11	3.29E+13	3.00E+13	4.20E+12	4.15E+15				4.32E+12	—		—				5.94E+09	1.82E+17	4,928,933	1 : 80	8
9	1.84E+16	—	9.00E+10	—	2.62E+15	1.34E+17	<1.00	1.61E+16	—		1.41E+09		—	—	3.00E+14	2.16E+02	—	7.74E+13	2.53E+11	3.26E+13	3.00E+13	4.20E+12	3.96E+15				4.28E+12	—		—				5.94E+09	1.76E+17	4,754,314	1 : 83	9
10	1.73E+16	—	9.00E+10	—	1.87E+15	1.31E+17	<<1.00	1.58E+16	—		1.41E+09		—	—	1.51E+14	4.13E+00	—	3.18E+13	2.53E+11	3.23E+13	3.00E+13	4.20E+12	3.78E+15				4.25E+12	—		—				5.94E+09	1.70E+17	4,598,610	1 : 86	10
11	1.62E+16	—	9.00E+10	—	1.34E+15	1.28E+17	—	1.54E+16	—		1.41E+09		—	—	7.58E+13	<1.00	—	1.30E+13	2.53E+11	3.21E+13	3.00E+13	4.20E+12	3.62E+15				4.21E+12	—		—				5.94E+09	1.65E+17	4,456,828	1 : 88	11
12	1.52E+16	—	9.00E+10	—	9.56E+14	1.25E+17	—	1.50E+16	—		1.41E+09		—	—	3.81E+13	<1.00	—	5.35E+12	2.53E+11	3.18E+13	3.00E+13	4.19E+12	3.45E+15				4.18E+12	—		—				5.94E+09	1.60E+17	4,325,516	1 : 91	12
13	1.42E+16	—	9.00E+10	—	6.83E+14	1.23E+17	—	1.47E+16	—		1.41E+09		—	—	1.92E+13	<<1.00	—	2.20E+12	2.53E+11	3.16E+13	3.00E+13	4.19E+12	3.30E+15				4.15E+12	—		—				5.94E+09	1.55E+17	4,202,049	1 : 94	13
14	1.33E+16	—	9.00E+10	—	4.88E+14	1.20E+17	—	1.43E+16	—		1.41E+09		—	—	9.63E+12	<<1.00	—	9.02E+11	2.53E+11	3.13E+13	3.00E+13	4.19E+12	3.16E+15				4.11E+12	—		—				5.94E+09	1.51E+17	4,083,611	1 : 97	14
15	1.25E+16	—	9.00E+10	—	3.49E+14	1.17E+17	—	1.40E+16	—		1.41E+09		—	—	4.84E+12	—	—	3.70E+11	2.53E+11	3.11E+13	3.00E+13	4.19E+12	3.02E+15				4.08E+12	—		—				5.94E+09	1.47E+17	3,968,638	1 : 99	15
16	1.17E+16	—	9.00E+10	—	2.49E+14	1.14E+17	—	1.37E+16	—		1.41E+09		—	—	2.44E+12	—	—	1.52E+11	2.53E+11	3.08E+13	3.00E+13	4.19E+12	2.88E+15				4.05E+12	—		—				5.94E+09	1.43E+17	3,859,032	1 : 102	16
17	1.10E+16	—	9.00E+10	—	1.78E+14	1.12E+17	—	1.33E+16	—		1.41E+09		—	—	1.22E+12	—	—	6.24E+10	2.53E+11	3.06E+13	3.00E+13	4.19E+12	2.76E+15				4.02E+12	—		—				5.94E+09	1.39E+17	3,755,012	1 : 105	17
18	1.03E+16	—	9.00E+10	—	1.27E+14	1.09E+17	—	1.30E+16	—		1.41E+09		—	—	6.16E+11	—	—	2.56E+10	2.53E+11	3.04E+13	3.00E+13	4.19E+12	2.64E+15				3.99E+12	—		—				5.94E+09	1.35E+17	3,655,749	1 : 108	18
19	9.66E+15	—	9.00E+10	—	9.09E+13	1.07E+17	—	1.27E+16	—		1.41E+09		—	—	3.10E+11	—	—	1.05E+10	2.53E+11	3.01E+13	3.00E+13	4.19E+12	2.52E+15				3.96E+12	—		—				5.94E+09	1.32E+17	3,558,428	1 : 111	19
20	9.06E+15	—	9.00E+10	—	6.50E+13	1.04E+17	—	1.24E+16	—		1.41E+09		—	—	1.56E+11	—	—	4.31E+09	2.53E+11	2.99E+13	3.00E+13	4.19E+12	2.41E+15				3.92E+12	—		—				5.94E+09	1.28E+17	3,465,417	1 : 114	20
21	8.49E+15	—	9.00E+10	—	4.64E+13	1.02E+17	—	1.21E+16	—		1.41E+09		—	—	7.83E+10	—	—	1.77E+09	2.53E+11	2.97E+13	3.00E+13	4.19E+12	2.31E+15				3.89E+12	—		—				5.94E+09	1.25E+17	3,374,069	1 : 117	21
22	7.96E+15	—	9.00E+10	—	3.32E+13	9.95E+16	—	1.18E+16	—		1.41E+09		—	—	3.93E+10	—	—	7.26E+08	2.53E+11	2.94E+13	3.00E+13	4.19E+12	2.21E+15				3.86E+12	—		—				5.94E+09	1.22E+17	3,286,648	1 : 120	22
23	7.46E+15	—	9.00E+10	—	2.37E+13	9.72E+16	—	1.16E+16	—		1.41E+09		—	—	1.98E+10	—	—	2.98E+08	2.53E+11	2.92E+13	3.00E+13	4.19E+12	2.11E+15				3.83E+12	—		—				5.94E+09	1.18E+17	3,201,439	1 : 123	23
24	6.99E+15	—	9.00E+10	—	1.69E+13	9.50E+16	—	1.13E+16	—		1.41E+09		—	—	9.95E+09	—	—	1.22E+08	2.53E+11	2.90E+13	3.00E+13	4.19E+12	2.02E+15				3.80E+12	—		—				5.94E+09	1.15E+17	3,118,600	1 : 126	24
25	6.55E+15	—	9.00E+10	—	1.21E+13	9.28E+16	—	1.10E+16	—		1.41E+09		—	—	5.00E+09	—	—	5.02E+07	2.53E+11	2.87E+13	3.00E+13	4.19E+12	1.94E+15				3.77E+12	—		—				5.94E+09	1.12E+17	3,038,652	1 : 130	25
100	5.13E+13	—	9.00E+10	—	1.36E+02	1.64E+16	—	1.85E+15	—		1.41E+09		—	—	—	—	—	—	2.52E+11	1.59E+13	2.99E+13	4.16E+12	2.23E+14				2.09E+12	—		—				5.94E+09	1.86E+16	502,349	1 : 785	*100*
200	7.99E+10	—	9.00E+10	—	—	1.63E+15	—	1.71E+14	—		1.41E+09		—	—	—	—	—	—	2.52E+11	7.22E+12	2.98E+13	4.11E+12	1.50E+14				9.48E+11	—		—				5.93E+09	1.99E+15	53,841	1 : 7,325	*200*
300	1.24E+08	—	9.00E+10	—	—	1.62E+14	—	1.58E+13	—		1.41E+09		—	—	—	—	—	—	2.51E+11	3.28E+12	2.97E+13	4.07E+12	1.28E+14				4.31E+11	—		—				5.93E+09	3.43E+14	9,271	1 : 42,541	*300*
400	1.93E+05	—	8.99E+10	—	—	1.60E+13	—	1.47E+12	—		1.41E+09		—	—	—	—	—	—	2.50E+11	1.50E+12	2.97E+13	4.03E+12	1.09E+14				1.97E+11	—		—				5.93E+09	1.62E+14	4,381	1 : 90,018	*400*
500	3.01E+02	—	8.99E+10	—	—	1.59E+12	—	1.36E+11	—		1.41E+09		—	—	—	—	—	—	2.50E+11	6.86E+11	2.96E+13	3.98E+12	9.28E+13				9.01E+10	—		—				5.93E+09	1.29E+14	3,492	1 : 112,948	*500*
600	<1.00	—	8.99E+10	—	—	1.59E+12	—	1.25E+10	—		1.41E+09		—	—	—	—	—	—	2.49E+11	3.18E+11	2.95E+13	3.94E+12	7.91E+13				4.18E+10	—		—				5.93E+09	1.15E+14	3,102	1 : 127,130	*600*
700	<1.00	—	8.99E+10	—	—	1.57E+10	—	1.16E+09	—		1.41E+09		—	—	—	—	—	—	2.48E+11	1.51E+11	2.94E+13	3.90E+12	6.74E+13				1.99E+10	—		—				5.93E+09	1.01E+14	2,735	1 : 144,215	*700*
800	<<1.00	—	8.99E+10	—	—	1.55E+09	—	1.07E+08	—		1.41E+09		—	—	—	—	—	—	2.47E+11	7.57E+10	2.93E+13	3.86E+12	5.74E+13				9.93E+09	—		—				5.92E+09	9.10E+13	2,459	1 : 160,387	*800*
900	<<1.00	—	8.99E+10	—	—	1.54E+08	—	9.94E+06	—		1.41E+09		—	—	—	—	—	—	2.47E+11	4.13E+10	2.92E+13	3.82E+12	4.89E+13				5.42E+09	—		—				5.92E+09	8.23E+13	2,225	1 : 177,240	*900*
1 000	—	—	8.98E+10	—	—	1.53E+07	—	9.19E+05	—		1.41E+09		—	—	—	—	—	—	2.46E+11	2.57E+10	2.91E+13	3.78E+12	4.17E+13				3.37E+09	—		—				5.92E+09	7.49E+13	2,026	1 : 194,691	*1 000*
2 000	—	—	8.97E+10	—	—	<<1.00	—	<<1.00	—		1.41E+09		—	—	—	—	—	—	2.39E+11	1.33E+10	2.83E+13	3.40E+12	8.44E+12				1.74E+09	—		—				5.90E+09	4.05E+13	1,095	1 : 360,189	*2 000*
10 000	—	—	8.84E+10	—	—	—	—	—	—		1.41E+09		—	—	—	—	—	—	1.90E+11	2.06E+10	2.25E+13	1.46E+12	8.65E+10				2.69E+09	—		—				5.75E+09	2.43E+13	658	1 : 599,502	*10 000*
20 000	—	—	8.67E+10	—	—	—	—	—	—		1.41E+09		—	—	—	—	—	—	1.42E+11	3.00E+10	1.69E+13	5.05E+11	9.78E+10				3.91E+09	—		—				5.56E+09	1.77E+13	479	1 : 822,895	*20 000*
100 000	—	—	7.49E+10	—	—	—	—	—	—		1.40E+09		—	—	—	—	—	—	1.43E+10	7.24E+10	1.69E+12	1.27E+09	1.94E+11				9.45E+09	—		—				4.29E+09	2.06E+12	56	1 : 7,069,321	*100 000*
200 000	—	—	6.23E+10	—	—	—	—	—	—		1.39E+09		—	—	—	—	—	—	8.89E+08	8.09E+10	1.05E+11	1.17E+09	2.74E+11				1.06E+10	—		—				3.10E+09	5.39E+11	15	1 : 27,070,546	*200 000*
1 000 000	—	—	1.43E+10	—	—	—	—	—	—		1.35E+09		—	—	—	—	—	—	9.52E+07	1.15E+10	1.13E+10	1.14E+09	3.38E+11				1.51E+09	—		—				2.29E+08	3.79E+11	10	1 : 38,454,925	*1 000 000*
2 000 000	—	—	2.36E+09	—	—	—	—	—	—		1.29E+09		—	—	—	—	—	—	9.51E+07	6.79E+08	1.13E+10	1.11E+09	2.48E+11				8.88E+07	—		—				8.85E+06	2.65E+11	7	1 : 55,067,347	*2 000 000*

TABLE 2-b: Activity of isotopes emitted in Chernobyl Nuclear Power Plant accident — from 2011, up

(this table seeks to compare the activity: ChNPP <—> Fukushima at the time, because it eliminates the difference in the end 25 years of time between these eventsi: e.g.10025 = 10000. Results: TABLE 4)

Years from ChNPP Failue:	85-Kr	136-Cs	242-Pu	133-Xe	134-Cs	137-Cs	89-Sr	90-Sr	140-Ba	127m-Te	129m-Te	131m-Te	132-Te	103-Ru	106-Ru	95-Zr	141-Ce	144-Ce	239-Np	238-Pu	239-Pu	240-Pu	241-Pu	91-Y	143-Pr	147-Nd	242-Cm	131-I	132-I	133-I	135-I	127-Sb	129-Sb	99-Mo	TOTAL ChNPP's activity: [Bq]	TOTAL ChNPP's activity: =[Ci]	ChNPP's decreasing of activity: compare to year "0"	Years from ChNPP Failue:
	1	2	3	4	5	6	7	8	9		10		11	12	13	14	15	16	17	18	19	20	21				22	23		24				25				
25	6.55E+15	—	9.00E+10	—	1.21E+13	9.28E+16	—	1.10E+16	—	N/A	1.41E+09	N/A	—	—	5.00E+09	—	—	5.02E+07	2.53E+11	2.87E+13	3.00E+13	4.19E+12	1.94E+15	N/A	N/A	N/A	3.77E+12	—	N/A	—	N/A	N/A	N/A	5.94E+09	1.12E+17	3,038,652	1 : 130	25
26	6.14E+15	—	9.00E+10	—	8.64E+12	9.07E+16	—	1.08E+16	—		1.41E+09		—	—	2.51E+09	—	—	2.06E+07	2.53E+11	2.85E+13	3.00E+13	4.19E+12	1.86E+15				3.74E+12	—		—				5.94E+09	1.10E+17	2,960,903	1 : 133	26
27	5.76E+15	—	9.00E+10	—	6.18E+12	8.86E+16	—	1.05E+16	—		1.41E+09		—	—	1.26E+09	—	—	8.46E+06	2.53E+11	2.83E+13	3.00E+13	4.19E+12	1.78E+15				3.71E+12	—		—				5.94E+09	1.07E+17	2,885,343	1 : 137	27
28	5.40E+15	—	9.00E+10	—	4.41E+12	8.66E+16	—	1.03E+16	—		1.41E+09		—	—	6.36E+08	—	—	3.47E+06	2.53E+11	2.81E+13	3.00E+13	4.19E+12	1.70E+15				3.68E+12	—		—				5.94E+09	1.04E+17	2,812,477	1 : 140	28
29	5.06E+15	—	9.00E+10	—	3.15E+12	8.46E+16	—	1.00E+16	—		1.41E+09		—	—	3.20E+08	—	—	1.43E+06	2.53E+11	2.78E+13	3.00E+13	4.19E+12	1.63E+15				3.66E+12	—		—				5.94E+09	1.01E+17	2,741,355	1 : 144	29
30	4.74E+15	—	9.00E+10	—	2.25E+12	8.27E+16	—	9.79E+15	—		1.41E+09		—	—	1.61E+08	—	—	5.85E+05	2.53E+11	2.76E+13	3.00E+13	4.19E+12	1.56E+15				3.63E+12	—		—				5.94E+09	9.89E+16	2,672,135	1 : 148	30
31	4.45E+15	—	9.00E+10	—	1.61E+12	8.08E+16	—	9.56E+15	—		1.41E+09		—	—	8.08E+07	—	—	2.40E+05	2.53E+11	2.74E+13	3.00E+13	4.19E+12	1.50E+15				3.60E+12	—		—				5.94E+09	9.64E+16	2,605,300	1 : 151	31
32	4.17E+15	—	9.00E+10	—	1.15E+12	7.90E+16	—	9.34E+15	—		1.41E+09		—	—	4.06E+07	—	—	9.86E+04	2.53E+11	2.72E+13	3.00E+13	4.19E+12	1.44E+15				3.57E+12	—		—				5.94E+09	9.40E+16	2,540,038	1 : 155	32
33	3.91E+15	—	9.00E+10	—	8.22E+11	7.72E+16	—	9.12E+15	—		1.41E+09		—	—	2.04E+07	—	—	4.05E+04	2.53E+11	2.70E+13	3.00E+13	4.19E+12	1.38E+15				3.54E+12	—		—				5.94E+09	9.16E+16	2,476,779	1 : 159	33
34	3.66E+15	—	9.00E+10	—	5.87E+11	7.54E+16	—	8.90E+15	—		1.41E+09		—	—	1.03E+07	—	—	1.66E+04	2.53E+11	2.68E+13	3.00E+13	4.19E+12	1.32E+15				3.51E+12	—		—				5.94E+09	8.94E+16	2,414,983	1 : 163	34
35	3.43E+15	—	9.00E+10	—	4.20E+11	7.37E+16	—	8.70E+15	—		1.41E+09		—	—	5.16E+06	—	—	6.82E+03	2.53E+11	2.65E+13	3.00E+13	4.18E+12	1.27E+15				3.49E+12	—		—				5.94E+09	8.71E+16	2,355,215	1 : 167	35
36	3.22E+15	—	9.00E+10	—	3.00E+11	7.20E+16	—	8.49E+15	—		1.41E+09		—	—	2.60E+06	—	—	2.80E+03	2.53E+11	2.63E+13	3.00E+13	4.18E+12	1.22E+15				3.46E+12	—		—				5.94E+09	8.50E+16	2,297,070	1 : 172	36
37	3.02E+15	—	9.00E+10	—	2.14E+11	7.04E+16	—	8.29E+15	—		1.41E+09		—	—	1.31E+06	—	—	1.15E+03	2.53E+11	2.61E+13	3.00E+13	4.18E+12	1.17E+15				3.43E+12	—		—				5.94E+09	8.29E+16	2,240,305	1 : 176	37
38	2.83E+15	—	9.00E+10	—	1.53E+11	6.88E+16	—	8.10E+15	—		1.41E+09		—	—	6.56E+05	—	—	4.71E+02	2.53E+11	2.59E+13	3.00E+13	4.18E+12	1.12E+15				3.40E+12	—		—				5.94E+09	8.09E+16	2,185,432	1 : 180	38
39	2.65E+15	—	9.00E+10	—	1.09E+11	6.72E+16	—	7.91E+15	—		1.41E+09		—	—	3.30E+05	—	—	1.94E+02	2.53E+11	2.57E+13	3.00E+13	4.18E+12	1.08E+15				3.38E+12	—		—				5.94E+09	7.89E+16	2,131,857	1 : 185	39
40	2.48E+15	—	9.00E+10	—	7.81E+10	6.56E+16	—	7.72E+15	—		1.41E+09		—	—	1.66E+05	—	—	7.94E+01	2.53E+11	2.55E+13	3.00E+13	4.18E+12	1.04E+15				3.35E+12	—		—				5.94E+09	7.69E+16	2,079,579	1 : 190	40
41	2.33E+15	—	9.00E+10	—	5.58E+10	6.41E+16	—	7.54E+15	—		1.41E+09		—	—	8.34E+04	—	—	3.26E+01	2.53E+11	2.53E+13	3.00E+13	4.18E+12	9.99E+14				3.32E+12	—		—				5.94E+09	7.51E+16	2,028,889	1 : 194	41
42	2.18E+15	—	9.00E+10	—	3.99E+10	6.27E+16	—	7.36E+15	—		1.41E+09		—	—	4.19E+04	—	—	1.34E+01	2.53E+11	2.51E+13	3.00E+13	4.18E+12	9.61E+14				3.30E+12	—		—				5.94E+09	7.32E+16	1,979,636	1 : 199	42
43	2.05E+15	—	9.00E+10	—	2.85E+10	6.13E+16	—	7.19E+15	—		1.41E+09		—	—	2.11E+04	—	—	5.49E+00	2.53E+11	2.49E+13	3.00E+13	4.18E+12	9.24E+14				3.27E+12	—		—				5.94E+09	7.15E+16	1,931,619	1 : 204	43
44	1.92E+15	—	9.00E+10	—	2.04E+10	5.99E+16	—	7.02E+15	—		1.41E+09		—	—	1.06E+04	—	—	2.25E+00	2.53E+11	2.47E+13	3.00E+13	4.18E+12	8.90E+14				3.25E+12	—		—				5.94E+09	6.97E+16	1,884,810	1 : 209	44
45	1.80E+15	—	9.00E+10	—	1.46E+10	5.85E+16	—	6.85E+15	—		1.41E+09		—	—	5.33E+03	—	—	<1.00	2.53E+11	2.45E+13	3.00E+13	4.18E+12	8.57E+14				3.22E+12	—		—				5.94E+09	6.80E+16	1,839,183	1 : 214	45
46	1.69E+15	—	9.00E+10	—	1.04E+10	5.71E+16	—	6.69E+15	—		1.41E+09		—	—	2.68E+03	—	—	<1.00	2.53E+11	2.43E+13	3.00E+13	4.18E+12	8.25E+14				3.20E+12	—		—				5.94E+09	6.64E+16	1,794,701	1 : 220	46
47	1.58E+15	—	9.00E+10	—	7.43E+09	5.58E+16	—	6.53E+15	—		1.41E+09		—	—	1.35E+03	—	—	<1.00	2.53E+11	2.41E+13	3.00E+13	4.18E+12	7.95E+14				3.17E+12	—		—				5.94E+09	6.48E+16	1,751,641	1 : 225	47
48	1.48E+15	—	9.00E+10	—	5.31E+09	5.46E+16	—	6.38E+15	—		1.41E+09		—	—	6.78E+02	—	—	<1.00	2.53E+11	2.40E+13	3.00E+13	4.18E+12	7.66E+14				3.15E+12	—		—				5.94E+09	6.32E+16	1,709,454	1 : 231	48
49	1.39E+15	—	9.00E+10	—	3.79E+09	5.33E+16	—	6.23E+15	—		1.41E+09		—	—	3.41E+02	—	—	<1.00	2.53E+11	2.38E+13	3.00E+13	4.18E+12	7.39E+14				3.12E+12	—		—				5.94E+09	6.17E+16	1,668,629	1 : 236	49
50	1.30E+15	—	9.00E+10	—	2.71E+09	5.21E+16	—	6.08E+15	—		1.41E+09		—	—	1.71E+02	—	—	<1.00	2.53E+11	2.36E+13	3.00E+13	4.18E+12	7.13E+14				3.10E+12	—		—				5.94E+09	6.03E+16	1,628,623	1 : 242	50
125	1.02E+13	—	9.00E+10	—	<1.00	9.21E+15	—	1.02E+15	—		1.41E+09		—	—	—	—	—	—	2.52E+11	1.30E+13	2.99E+13	4.14E+12	1.83E+14				1.71E+12	—		—				5.94E+09	1.05E+16	283,044	1 : 1,393	125
225	1.59E+10	—	9.00E+10	—	—	9.14E+14	—	9.44E+13	—		1.41E+09		—	—	—	—	—	—	2.52E+11	5.93E+12	2.98E+13	4.10E+12	1.44E+14				7.78E+11	—		—				5.93E+09	1.19E+15	32,254	1 : 12,227	225
325	2.47E+07	—	9.00E+10	—	—	9.07E+13	—	8.74E+12	—		1.41E+09		—	—	—	—	—	—	2.51E+11	2.70E+12	2.97E+13	4.06E+12	1.23E+14				3.54E+11	—		—				5.93E+09	2.59E+14	7,010	1 : 56,259	325
425	3.84E+04	—	8.99E+10	—	—	8.99E+12	—	8.08E+11	—		1.41E+09		—	—	—	—	—	—	2.50E+11	1.23E+12	2.96E+13	4.02E+12	1.05E+14				1.62E+11	—		—				5.93E+09	1.50E+14	4,048	1 : 97,419	425
525	5.97E+01	—	8.99E+10	—	—	8.92E+11	—	7.48E+10	—		1.41E+09		—	—	—	—	—	—	2.49E+11	5.66E+11	2.96E+13	3.97E+12	8.91E+13				7.43E+10	—		—				5.93E+09	1.25E+14	3,368	1 : 117,096	525
625	<1.00	—	8.99E+10	—	—	8.85E+10	—	6.92E+09	—		1.41E+09		—	—	—	—	—	—	2.49E+11	2.64E+11	2.95E+13	3.93E+12	7.60E+13				3.46E+10	—		—				5.93E+09	1.10E+14	2,975	1 : 132,558	625
725	<1.00	—	8.99E+10	—	—	8.78E+09	—	6.40E+08	—		1.41E+09		—	—	—	—	—	—	2.48E+11	1.27E+11	2.94E+13	3.89E+12	6.47E+13				1.66E+10	—		—				5.92E+09	9.85E+13	2,661	1 : 148,192	725
825	<<1.00	—	8.99E+10	—	—	8.71E+08	—	5.92E+07	—		1.41E+09		—	—	—	—	—	—	2.47E+11	6.44E+10	2.93E+13	3.85E+12	5.51E+13				8.45E+09	—		—				5.92E+09	8.87E+13	2,397	1 : 164,535	825
925	<<1.00	—	8.99E+10	—	—	8.65E+07	—	5.48E+06	—		1.41E+09		—	—	—	—	—	—	2.47E+11	3.62E+10	2.92E+13	3.81E+12	4.70E+13				4.75E+09	—		—				5.92E+09	8.04E+13	2,172	1 : 181,556	925
1 025	—	—	8.98E+10	—	—	8.58E+06	—	5.07E+05	—		1.41E+09		—	—	—	—	—	—	2.46E+11	2.34E+10	2.91E+13	3.77E+12	4.00E+13				3.07E+09	—		—				5.92E+09	7.33E+13	1,980	1 : 199,136	1 025
2 025	—	—	8.97E+10	—	—	<<1.00	—	<<1.00	—		1.41E+09		—	—	—	—	—	—	2.39E+11	1.33E+10	2.83E+13	3.39E+12	8.12E+12				1.74E+09	—		—				5.90E+09	4.02E+13	1,085	1 : 363,402	2 025
10 025		—	8.84E+10	—	—	—	—	—	—		1.41E+09		—	—	—	—	—	—	1.90E+11	2.06E+10	2.25E+13	1.45E+12	8.66E+10				2.70E+09	—		—				5.75E+09	2.43E+13	657	1 : 600,095	10 025
20 025		—	8.67E+10	—	—	—	—	—	—		1.41E+09		—	—	—	—	—	—	1.42E+11	3.00E+10	1.69E+13	5.04E+11	9.78E+10				3.92E+09	—		—				5.56E+09	1.77E+13	479	1 : 823,422	20 025
100 025		—	7.49E+10	—	—	—	—	—	—		1.40E+09		—	—	—	—	—	—	1.43E+10	7.24E+10	1.69E+12	1.27E+09	1.94E+11				9.45E+09	—		—				4.29E+09	2.06E+12	56	1 : 7,076,215	100 025
200 025		—	6.23E+10	—	—	—	—	—	—		1.39E+09		—	—	—	—	—	—	8.88E+08	8.09E+10	1.05E+11	1.17E+09	2.74E+11				1.06E+10	—		—				3.10E+09	5.39E+11	15	1 : 27,075,600	200 025
1 000 025		—	1.43E+10	—	—	—	—	—	—		1.35E+09		—	—	—	—	—	—	9.52E+07	1.15E+10	1.13E+10	1.14E+09	3.38E+11				1.51E+09	—		—				2.29E+08	3.79E+11	10	1 : 38,454,935	1 000 025
2 000 025		—	2.36E+09	—	—	—	—	—	—		1.29E+09		—	—	—	—	—	—	9.51E+07	6.79E+08	1.13E+10	1.11E+09	2.48E+11				8.88E+07	—		—				8.85E+06	2.65E+11	7	1 : 55,067,349	2 000 025

TABLE 3: Compare the pace of ChNPP / Fukushima decline activ.

Years from ChNPP	DATA: TABLE 2-a	Activity: [Ci]	DATA: TABLE 1	Years from FUKUSHIMA	The rate of decline relative to previous year/period:		
Failue:	394 377 548		314 754 919	failue:	ChNPP:	terms of:	Fukushima
1	11 877 579		1 138 614	1	33 : 1	<- year * 0 * ->	276 : 1
2	8 532 122		1 018 161	2	1.39 : 1	<- year *1* ->	1.12 : 1
3	7 022 327		930 752	3	1.21 : 1	etc.	1.09 : 1
4	6 204 372		863 887	4	1.13 : 1		1.08 : 1
5	5 708 918		811 684	5	1.09 : 1		1.06 : 1
5	5 378 362		770 116	6	1.06 : 1		1.05 : 1
7	5 129 768		735 743	7	1.05 : 1		1.05 : 1
8	4 928 933		707 322	8	1.04 : 1		1.04 : 1
9	4 754 314		682 602	9	1.04 : 1		1.04 : 1
10	4 598 610		661 030	10	1.03 : 1		1.03 : 1
11	4 456 828		641 602	11	1.03 : 1		1.03 : 1
12	4 325 516		623 790	12	1.03 : 1		1.03 : 1
13	4 202 049		607 473	13	1.03 : 1		1.03 : 1
14	4 083 611		591 848	14	1.03 : 1		1.03 : 1
15	3 968 638		577 258	15	1.03 : 1		1.03 : 1
16	3 859 032		563 287	16	1.03 : 1		1.02 : 1
17	3 755 012		549 838	17	1.03 : 1		1.02 : 1
18	3 655 749		536 840	18	1.03 : 1		1.02 : 1
19	3 558 428		524 245	19	1.03 : 1		1.02 : 1
20	3 465 417		512 011	20	1.03 : 1		1.02 : 1
21	3 374 069		500 115	21	1.03 : 1		1.02 : 1
22	3 286 648		488 812	22	1.03 : 1		1.02 : 1
23	3 201 439		477 542	23	1.03 : 1		1.02 : 1
24	3 118 600		466 569	24	1.03 : 1		1.02 : 1
25	3 038 652		455 885	25	1.03 : 1		1.02 : 1
100	502 349		80 535	100	6.0 : 1		5.7 : 1
200	53 841		7 984	200	9.3 : 1		10.1 : 1
300	9 271		793	300	5.8 : 1		10.1 : 1
400	4 381		79	400	2.1 : 1		10.0 : 1
500	3 492		8	500	1.3 : 1		9.3 : 1
600	3 102		1	600	1.1 : 1		6.1 : 1
700	2 735		0.6	700	1.1 : 1		2.2 : 1
800	2 459		0.5	800	1.1 : 1		1.3 : 1
900	2 225		0.4	900	1.1 : 1		1.1 : 1
1 000	2 026		0.4	1 000	1.1 : 1		1.1 : 1
2 000	1 095		0.2	2 000	1.9 : 1		2.0 : 1
10 000	658		0.1	10 000	1.7 : 1		2.1 : 1
20 000	479		0.06	20 000	1.4 : 1		1.6 : 1
100 000	56		0.01	100 000	20 : 1		26 : 1
200 000	15		0.004	200 000	4 : 1		2 : 1
1 000 000	10		0.003	1 000 000	1.4 : 1		1.4 : 1
2 000 000	7		0.002	2 000 000	1.4 : 1		1.4 : 1

In the case of Fukushima NPP — released activity in 2011, decreased rapidly in the 1st year from failue (276:1)**, than it was in** ChNPP (33:1)**. Then a drops** ChNPP/Fukushima **will be similar**

TABLE 4: Where now is more activity...

After the ChNPP:	DATA: TABLE 2-b	Activity: [Ci]	DATA: TABLE 1	After the FUKUSHIMA:	Taking into account the difference 25 y between ChNPP, and Fukushima:		
2011 = 25	3 038 652		314 754 919	0 = 2011	ChNPP:	1 : 104	Fukushima
2012 = 26	2 960 903		1 138 614	1 = 2012	ChNPP:	3 : 1	Fukushima
etc. 27	2 885 343		1 018 161	2 etc.	ChNPP:	3 : 1	Fukushima
28	2 812 477		930 752	3	ChNPP:	3 : 1	Fukushima
29	2 741 355		863 887	4	ChNPP:	3 : 1	Fukushima
30	2 672 135		811 684	5	ChNPP:	3 : 1	Fukushima
31	2 605 300		770 116	6	ChNPP:	3 : 1	Fukushima
32	2 540 038		735 743	7	ChNPP:	3 : 1	Fukushima
33	2 476 779		707 322	8	ChNPP:	4 : 1	Fukushima
34	2 414 983		682 602	9	ChNPP:	4 : 1	Fukushima
35	2 355 215		661 030	10	ChNPP:	4 : 1	Fukushima
36	2 297 070		641 602	11	ChNPP:	4 : 1	Fukushima
37	2 240 305		623 790	12	ChNPP:	4 : 1	Fukushima
38	2 185 432		607 473	13	ChNPP:	4 : 1	Fukushima
39	2 131 857		591 848	14	ChNPP:	4 : 1	Fukushima
40	2 079 579		577 258	15	ChNPP:	4 : 1	Fukushima
41	2 028 889		563 287	16	ChNPP:	4 : 1	Fukushima
42	1 979 636		549 838	17	ChNPP:	4 : 1	Fukushima
43	1 931 619		536 840	18	ChNPP:	4 : 1	Fukushima
44	1 884 810		524 245	19	ChNPP:	4 : 1	Fukushima
45	1 839 183		512 011	20	ChNPP:	4 : 1	Fukushima
46	1 794 701		500 115	21	ChNPP:	4 : 1	Fukushima
47	1 751 641		488 812	22	ChNPP:	4 : 1	Fukushima
48	1 709 454		477 542	23	ChNPP:	4 : 1	Fukushima
49	1 668 629		466 569	24	ChNPP:	4 : 1	Fukushima
50	1 628 623		455 885	25	ChNPP:	4 : 1	Fukushima
125	283 044		80 535	100	ChNPP:	4 : 1	Fukushima
225	32 254		7 984	200	ChNPP:	4 : 1	Fukushima
325	7 010		793	300	ChNPP:	9 : 1	Fukushima
425	4 048		79	400	ChNPP:	51 : 1	Fukushima
525	3 368		8	500	ChNPP:	397 : 1	Fukushima
625	2 975		1	600	ChNPP:	2,143 : 1	Fukushima
725	2 661		0.6	700	ChNPP:	4,270 : 1	Fukushima
825	2 397		0.5	800	ChNPP:	4,834 : 1	Fukushima
925	2 172		0.4	900	ChNPP:	4,941 : 1	Fukushima
1 025	1 980		0.4	1 000	ChNPP:	4,988 : 1	Fukushima
2 025	1 085		0.2	2 000	ChNPP:	5,440 : 1	Fukushima
10 025	657		0.1	10 000	ChNPP:	6,819 : 1	Fukushima
20 025	479		0.06	20 000	ChNPP:	7,850 : 1	Fukushima
100 025	56		0.01	100 000	ChNPP:	7,245 : 1	Fukushima
200 025	15		0.004	200 000	ChNPP:	4,021 : 1	Fukushima
1 000 025	10		0.003	1 000 000	ChNPP:	3,866 : 1	Fukushima
2 000 025	7		0.002	2 000 000	ChNPP:	3,659 : 1	Fukushima

From Fukushima NPP, was escaped less ***long-lived*** **actinides: -**Np, -Pu, -Am, -Cm, **etc., compare to ChNPP Failue. Thus an active fall from: 104x** ChNPP: 2011 **– to: 1/3** ChNPP: 2012

TABLE 5: The released activity of the given isotope — Fukushima *Vs.* ChNPP

Isotope:	|F| Fukushima — 2011: [Bq]	= [Ci]	Isotope:	|C| ChNPP — 1986: [Bq]	= [Ci]	The Ratio |F| : |C| [%]
85-Kr	N/A	N/A	85-Kr	3.30E+16	891 892	—
136-Cs	N/A	N/A	136-Cs	3.60E+16	972 973	—
242-Pu	N/A	N/A	242-Pu	9.00E+10	2.4	—
133-Xe	1.13E+19	305 405 405	133-Xe	6.50E+18	175 675 676	174% *)
134-Cs	1.75E+16	473 784	134-Cs	5.40E+16	1 459 459	32%
137-Cs	1.53E+16	413 514	137-Cs	8.50E+16	2 297 297	18%
89-Sr	1.96E+15	53 027	89-Sr	1.15E+17	3 108 108	2%
90-Sr	1.39E+14	3 759	90-Sr	1.00E+16	270 270	1%
140-Ba	3.13E+15	84 595	140-Ba	2.40E+17	6 486 486	1%
127m-Te	1.09E+15	29 432	127m-Te	N/A	N/A	—
129m-Te	3.33E+15	90 000	129m-Te	2.40E+17	6 486 486	1%
131m-Te	4.95E+15	133 784	131m-Te	N/A	N/A	—
132-Te	8.84E+16	2 389 189	132-Te	1.15E+18	31 081 081	8%
103-Ru	7.50E+09	0.2	103-Ru	1.68E+17	4 540 541	0.000004%
106-Ru	2.14E+09	0.1	106-Ru	7.30E+16	1 972 973	0.000003%
95-Zr	1.67E+13	451	95-Zr	1.96E+17	5 297 297	0.01%
141-Ce	1.77E+13	478	141-Ce	1.96E+17	5 297 297	0.01%
144-Ce	1.15E+13	309	144-Ce	1.16E+17	3 135 135	0.01%
239-Np	7.61E+13	2 057	239-Np	9.45E+17	25 540 541	0.01%
238-Pu	1.88E+10	0.5	238-Pu	3.50E+13	946	0.1%
239-Pu	3.23E+09	0.1	239-Pu	3.00E+13	811	0.01%
240-Pu	3.13E+09	0.1	240-Pu	4.20E+12	114	0.1%
241-Pu	1.25E+12	34	241-Pu	6.00E+15	162 162	0.02%
91-Y	3.45E+12	93	91-Y	N/A	N/A	—
143-Pr	4.08E+12	110	143-Pr	N/A	N/A	—
147-Nd	1.67E+12	45	147-Nd	N/A	N/A	—
242-Cm	1.02E+11	3	242-Cm	9.00E+14	24 324	0.01%
131-I	1.59E+17	4 297 297	131-I	1.76E+18	47 567 568	9%
132-I	1.30E+13	352	132-I	N/A	N/A	—
133-I	4.22E+16	1 140 541	133-I	2.50E+18	67 567 568	2%
135-I	2.26E+15	61 189	135-I	N/A	N/A	—
127-Sb	6.35E+15	171 622	127-Sb	N/A	N/A	—
129-Sb	1.42E+14	3 847	129-Sb	N/A	N/A	—
99-Mo	6.70E+09	0.2	99-Mo	1.68E+17	4 540 541	0.000004%
TOTAL:	1.16E+19	314 754 919	: TOTAL:	1.46E+19	394 377 548	= 80% ChNPP * *)

NOTES:

*) ...the initial activity of 133-Xe: 11,300,000,000,000,000,000 Bq (i.e. 1.13e+19 Bq) — in only ONE YEAR from the Failure – decreased to significiant 0.01 Bq (i.e.<1 Bq)

**) ...it's still about 80% of ChNPP's releasing, although in the Japan has crashed more NPP Blocks!

IMPORTANT: The total activity of isotopes reeleased from Fukushima will still be = ~80% of ChNPP – even if artificially add the activities of three isostopes omited by the METI: 85-Kr, 136-Cs and 242-Pu.

TABLE 6: PHYSICAL QUANTITIES of issued isotopes, corresponding to their radioactive activity...

activity of 1 gram of the isotope (in pure form, without e.g. admixtures) = (6.022E+23 × ln2) : (mass number × T1/2 w seconds)					ChNPP — in 1986:		Fukushima — in 2011:		
85-Kr	10.72 y	has activity:	1.45E+13	[Bq/gram]	3.30E+16 =	2271 g	N/A	N/A	85-Kr
136-Cs	13.1 d	has activity:	2.71E+15	[Bq/gram]	3.60E+16 =	13 g	N/A	N/A	136-Cs
242-Pu	376300 y	has activity:	1.45E+08	[Bq/gram]	9.00E+10 =	620 g	N/A	N/A	242-Pu
133-Xe	5.245 d	has activity:	6.93E+15	[Bq/gram]	6.50E+18 =	938 g	1.13E+19 =	1630 g	133-Xe
134-Cs	2.062 y	has activity:	4.79E+13	[Bq/gram]	5.40E+16 =	1127 g	1.75E+16 =	366 g	134-Cs
137-Cs	30 y	has activity:	3.22E+12	[Bq/gram]	8.50E+16 =	26381 g	1.53E+16 =	4749 g	137-Cs
89-Sr	50.5 d	has activity:	1.08E+15	[Bq/gram]	1.15E+17 =	107 g	1.96E+15 =	2 g	89-Sr
90-Sr	29.12 y	has activity:	5.05E+12	[Bq/gram]	1.00E+16 =	1979 g	1.39E+14 =	28 g	90-Sr
140-Ba	12.74 d	has activity:	2.71E+15	[Bq/gram]	2.40E+17 =	89 g	3.13E+15 =	1 g	140-Ba
127m-Te	109 d	has activity:	3.49E+14	[Bq/gram]	N/A	N/A	1.09E+15 =	3 g	127m-Te
129m-Te	33.6 d	has activity:	1.12E+15	[Bq/gram]	2.40E+17 =	215 g	3.33E+15 =	3 g	129m-Te
131m-Te	30 h	has activity:	2.95E+16	[Bq/gram]	N/A	N/A	4.95E+15 =	0.2 g	131m-Te
132-Te	78.2 h	has activity:	1.12E+16	[Bq/gram]	1.15E+18 =	102 g	8.84E+16 =	8 g	132-Te
103-Ru	39.28 d	has activity:	1.20E+15	[Bq/gram]	1.68E+17 =	141 g	7.50E+09 =	0.000006 g	103-Ru
106-Ru	368.2 d	has activity:	1.24E+14	[Bq/gram]	7.30E+16 =	589 g	2.14E+09 =	0.00002 g	106-Ru
95-Zr	63.98 d	has activity:	7.96E+14	[Bq/gram]	1.96E+17 =	246 g	1.67E+13 =	0.02 g	95-Zr
141-Ce	32.5 d	has activity:	1.06E+15	[Bq/gram]	1.96E+17 =	186 g	1.77E+13 =	0.017 g	141-Ce
144-Ce	284.3 d	has activity:	1.18E+14	[Bq/gram]	1.16E+17 =	982 g	1.15E+13 =	0.1 g	144-Ce
239-Np	2.355 d	has activity:	8.59E+15	[Bq/gram]	9.45E+17 =	110 g	7.61E+13 =	0.009 g	239-Np
238-Pu	87.74 y	has activity:	6.34E+11	[Bq/gram]	3.50E+13 =	55 g	1.88E+10 =	0.03 g	238-Pu
239-Pu	24060 y	has activity:	2.30E+09	[Bq/gram]	3.00E+13 =	13043 g	3.23E+09 =	1.4 g	239-Pu
240-Pu	6537 y	has activity:	8.43E+09	[Bq/gram]	4.20E+12 =	498 g	3.13E+09 =	0.4 g	240-Pu
241-Pu	14.4 y	has activity:	3.81E+12	[Bq/gram]	6.00E+15 =	1574 g	1.25E+12 =	0.3 g	241-Pu
91-Y	58.51 d	has activity:	9.09E+14	[Bq/gram]	N/A	N/A	3.45E+12 =	0.004 g	91-Y
143-Pr	13.56 d	has activity:	2.49E+15	[Bq/gram]	N/A	N/A	4.08E+12 =	0.002 g	143-Pr
147-Nd	10.98 d	has activity:	3.00E+15	[Bq/gram]	N/A	N/A	1.67E+12 =	0.0006 g	147-Nd
242-Cm	162.8 d	has activity:	1.23E+14	[Bq/gram]	9.00E+14 =	7 g	1.02E+11 =	0.0008 g	242-Cm
131-I	8.04 d	has activity:	4.59E+15	[Bq/gram]	1.76E+18 =	383 g	1.59E+17 =	35 g	131-I
132-I	2.3 h	has activity:	3.82E+17	[Bq/gram]	N/A	N/A	1.30E+13 =	0.00003 g	132-I
133-I	20.8 h	has activity:	4.20E+16	[Bq/gram]	2.50E+18 =	60 g	4.22E+16 =	1 g	133-I
135-I	6.61 h	has activity:	1.30E+17	[Bq/gram]	N/A	N/A	2.26E+15 =	0.02 g	135-I
127-Sb	3.85 d	has activity:	9.89E+15	[Bq/gram]	N/A	N/A	6.35E+15 =	0.6 g	127-Sb
129-Sb	4.32 h	has activity:	2.08E+17	[Bq/gram]	N/A	N/A	1.42E+14 =	0.0007 g	129-Sb
99-Mo	66 h	has activity:	1.78E+16	[Bq/gram]	1.68E+17 =	9 g	6.70E+09 =	0.0000004 g	99-Mo
					TOTAL:	51726 g		6828 g	
					Proportion:	(ChNPP 1986)	8 : 1	(FUKUSHIMA – 2011)	
Given the disappearance of certain isotopes, issued 25 years earlier —>						32068 g		6828 g	
					Proportion:	(ChNPP 2011)	5 : 1	(FUKUSHIMA – 2011)	

Source data in Table 1 and 2-a:

METI: (Fukushima)

UNSCEAR: (ChNPP)

Ed.: *A.Karoń*

TABLE 7: **Radioactive Series of the 34th parent isotopes — which are given in the TABLES No.: 1, 2a-b, 5, 6, 8a-e**

85-Kr —β- 10.72 y→ 85-Rb *STABLE*

133-Xe —β- 5.245 d→ 133-Cs *STABLE*

134-Cs —β- 2.062 y→ 134-Ba *STABLE*

136-Cs —β- 13.1 d→ 136-Ba *STABLE*

137-Cs —β- 30 y (95%)→ ^{137m}-Ba —γ 2.552 m→ 137-Ba *STABLE*; **137-Cs** —β- 30 y (5%)→ 137-Ba *STABLE*

89-Sr —β- 50.5 d→ 89-Y *STABLE*

90-Sr —β- 29.12 y→ 90-Y —β- 64 h→ 90-Zr *STABLE*

140-Ba —β- 12.74 d→ 140-La —β- 1.68 d→ 140-Ce *STABLE*

^{127m}-Te —γ 109d (97%)→ 127-Te —β- 0.39 d→ 127-I *STABLE*; **^{127m}-Te** —β- γ 109 d (3%)→ 127-I *STABLE*

^{129m}-Te —γ 34d (63%)→ 129-Te —β- 70 m→ 129-I —β- 1.57E+7 y→ 129-Xe *STABLE*; **^{129m}-Te** —β- γ 34 d (37%)→ 129-I

^{131m}-Te —γ 30h (22%)→ 131-Te —β- 25 m→ 131-I —β- γ 8.04d (1%)→ ^{131m}-Xe —γ 11.9 d→ 131-Xe *STABLE*; **^{131m}-Te** —β- γ 30h (78%)→ 131-I; **^{131m}-Xe** —β- γ 8 d (99%)→ 131-Xe *STABLE*

132-Te —β- 78.2 h→ 132-I —β- 2.3 h→ 132-Xe *STABLE*

103-Ru —β- 39d (99%)→ ^{103m}-Rh —γ 56.12 m→ 103-Rh *STABLE*; **103-Ru** —β- 39d (1%)→ 103-Rh *STABLE*

106-Ru —β- 368.2 d→ 106-Rh —β- 29.9 s→ 106-Pd *STABLE*

91-Y —β- 58.52 d→ 91-Zr *STABLE*

95-Zr —β- 64d (1%)→ ^{95m}-Nb —γ 3.6 d→ 95-Nb —β- 35.15 d→ 95-Mo *STABLE*; **95-Zr** —β- 64d (99%)→ 95-Nb

141-Ce —β- 32.5 d→ 141-Pr *STABLE*

144-Ce —β- γ 284d (2%)→ ^{144m}-Pr —β- 7.2 m→ 144-Pr —β- 17.3 m→ 144-Nd *quasi* —α 2.3E+15y→ 140-Ce *STABLE*; **144-Ce** —β- γ 284d (98%)→ ^{144m}-Pr

99-Mo —β- 66 h (88%)→ ^{99m}-Tc —γ 6.02 h→ 99-Tc —β- 2.13E+5y→ 99-Ru *STABLE*; **99-Mo** —β- 66 h (12%)→ 99-Tc

242-Cm —α 162.8 d→ **238-Pu** —α 87.74 y→ 234-U —α 2.45E+5 y→ 230-Th —α 75380 y→ 226-Ra —α 1600 y→ 222-Rn —α 3.8 d→ 218-Po —α 3.1 m→ 214-Pb —β- 27 m→ 214-Bi —β- 20 m→ 214-Po —α 164.3 µs→ 210-Pb —β- 22.3 y→ 210-Bi —β- 5 d→ 210-Po —α 138 d→ 206-Pb *STABLE*

239-Np —β- 2.355 d→ **239-Pu** —α 24060 y→ 235-U —α 7.04E+8 y→ 231-Th —β- 25.5 h→ 231-Pa —α 32760 a→ 227-Ac —β- 21.8 a→ 227-Th —α 19 d→ 223-Ra —α 11.4 d→ 219-Rn —α 4 s→ 215-Po —α 0.002 s→ 211-Pb —β- 36.1 m→ 211-Bi —α 2.14 m→ 207-Tl —β- 4.77 m→ 207-Pb *STABLE*

240-Pu —α 6537 y→ 236-U —α 2.34E+7 y→ 232-Th —α 1.41E+10 y→ 228-Ra —β- 5.75 a→ 228-Ac —β- 6.13 h→ 228-Th —α 1.91 y→ 224-Ra —α 3.66 d→ 220-Rn —α 55.6 s→ 216-Po —α 0.145 s→ 212-Pb —β- 10.64 h→ 212-Bi —β- 60m (64%)→ 212-Po —α 0.299 µs→ 208-Pb *STABLE*; **212-Bi** —α 60m (36%)→ 208-Tl —β- 3.07 m→ 208-Pb

241-Pu —β- 14.4 y→ 241-Am —α 432.2 y→ 237-Np —α 2.14E+6 y→ 233-Pa —β- 27 d→ 233-U —α 1.59E+5 y→ 229-Th —α 7340 y→ 225-Ra —β- 14.8 d→ 225-Ac —α 10 d→ 221-Fr —α 4.8 m→ 217-At —α 0.032 s→ 213-Bi —β- 46 m→ 213-Po —α 4.2 µs→ 209-Pb —β- 3.253 h→ 209-Bi *quasi STABLE*

242-Pu —α 3.76E+5 y→ 238-U —α 4.45E+9 y→ 234-Th —β- 24.1 d→ 234^{m}-Pa —β- 1.17 m→ 234-U —α 2.45E+5 y→ 230-Th —α 75380 y→ 226-Ra —α 1600 y→ 222-Rn —α 3.8 d→ 218-Po —α 3.1 m→ 214-Pb —β- 27 m→ 214-Bi —β- 20 m→ 214-Po —α 164.3 µs→ 210-Pb —β- 22.3 y→ 210-Bi —β- 5 d→ 210-Po —α 138 d→ 206-Pb *STABLE*

131-I —β- γ 8.04d (1%)→ ^{131m}-Xe —γ 11.9 d→ 131-Xe *STABLE*; **131-I** —β- γ 8 d (99%)→ 131-Xe *STABLE*

132-I —β- 2.3 h→ 132-Xe *STABLE*

143-Pr —β- 13.56 d→ 143-Nd *STABLE*

147-Nd —β- 10.98 d→ 147-Pm —β- 2.62 y→ 147-Sm —α 1.06E+11 y→ 143-Nd *STABLE*

133-I —β- 20.8 h→ 133-Xe —β- 5.245 d→ 133-Cs *STABLE*

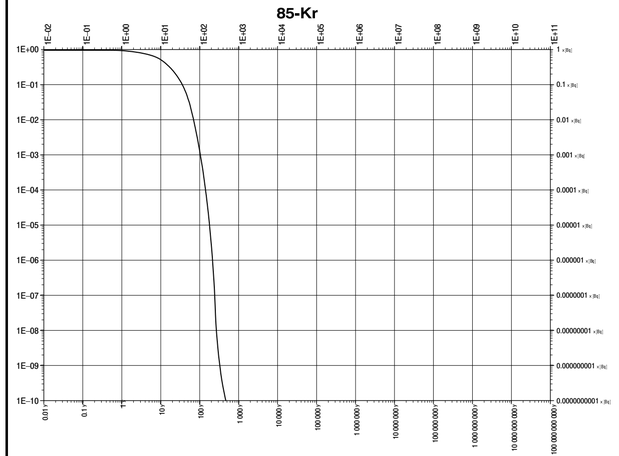
135-I —β- 6.61 h→ 135-Xe —β- 9.09 h→ 135-Cs —β- 2.3E+6 y→ 135-Ba *STABLE*

127-Sb —β- 3.85 d→ 127-Te —β- 0.39 d→ 127-I *STABLE*

129-Sb —β- 4.32 h→ 129-Te —β- 70 m→ 129-I —β- 1.57E+7 y→ 129-Xe *STABLE*

Source Data:
WISE Uranium Project
Ed.:
A.Karoń

TABLE 8 a : **The decrease of activity [Bq] over time [years]:** *85-Kr 133-Xe*



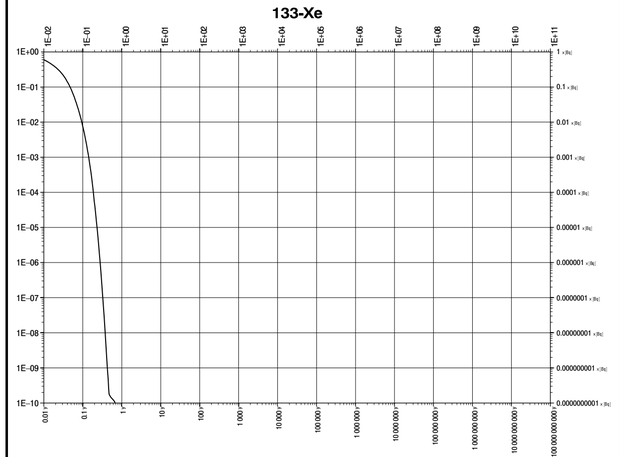
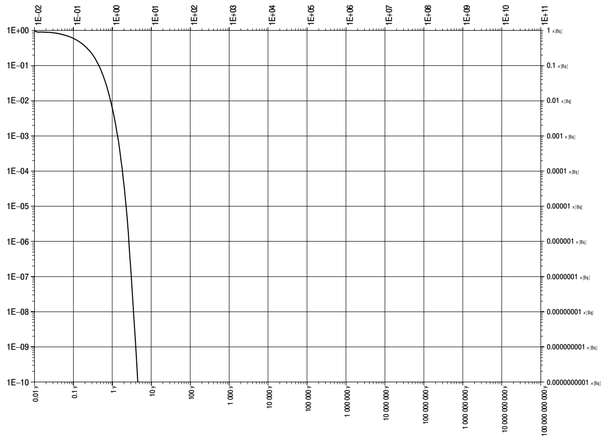
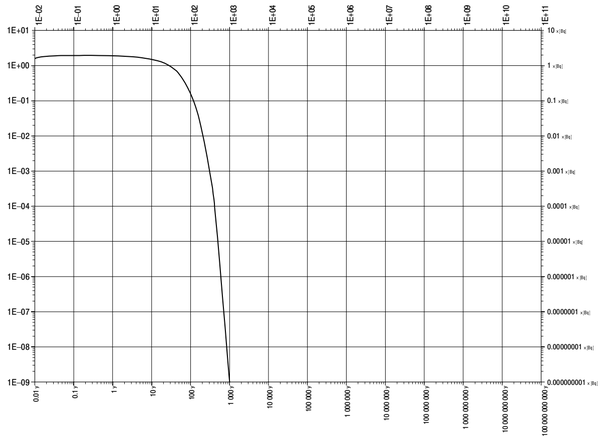


TABLE 8-b: **The decrease of activity [Bq] over time [years]:** *89-Sr 90-Sr 91-Y 95-Zr 103-Ru 106-Ru 127-Sb 129-Sb*

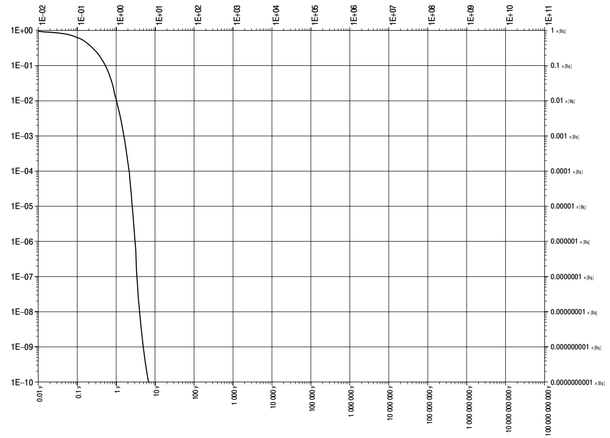
89-Sr



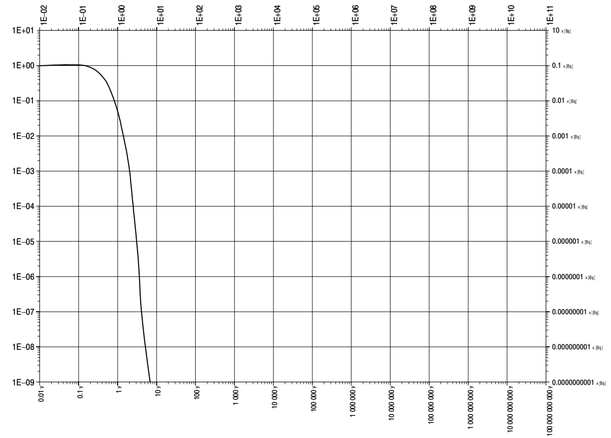
90-Sr



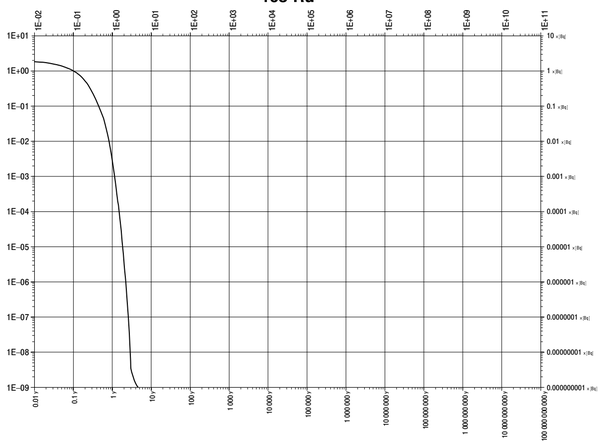
91-Y



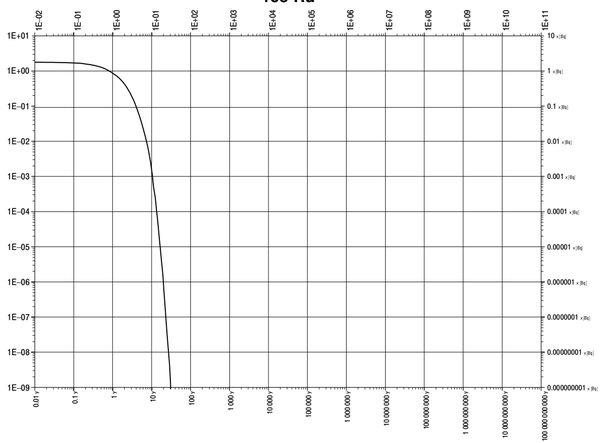
95-Zr



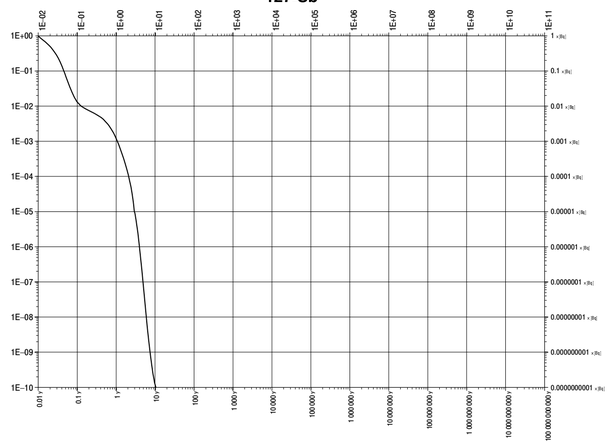
103-Ru



106-Ru



127-Sb



129-Sb

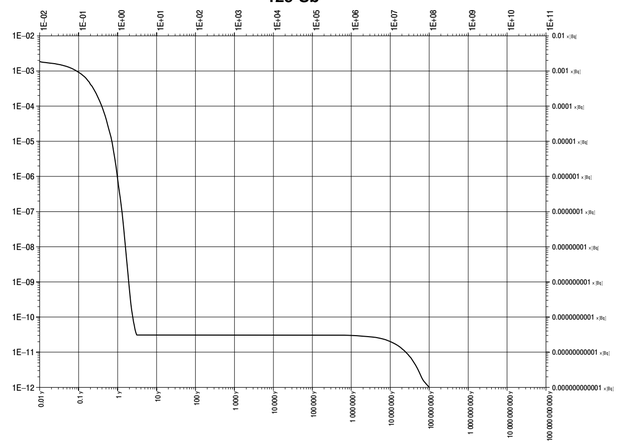
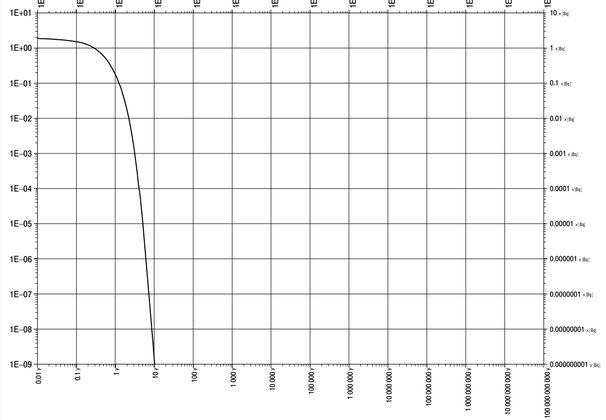
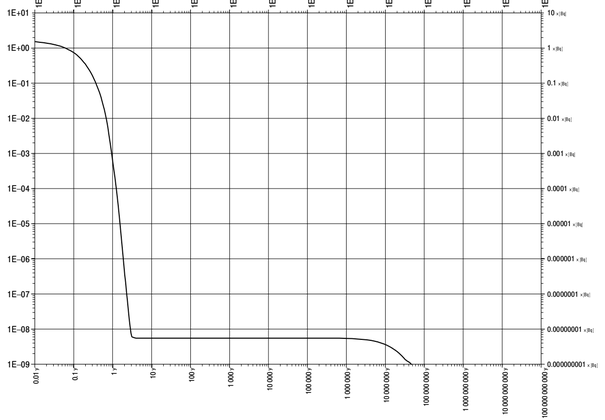


TABLE 8-c: **The decrease of activity [Bq] over time [years]:** *127 m -Te 129 m -Te 131 m -Te 132-Te 131-I 132-I 133-I 135-I*

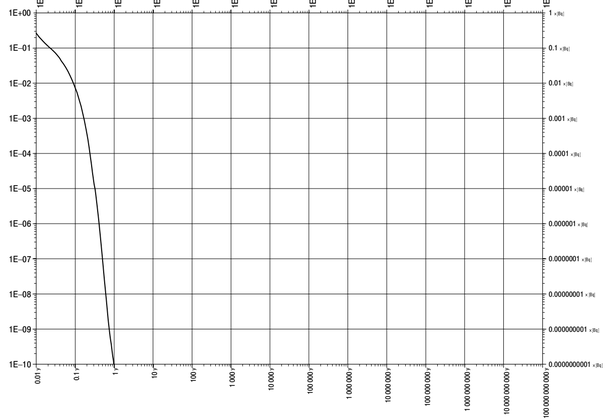
127m-Te



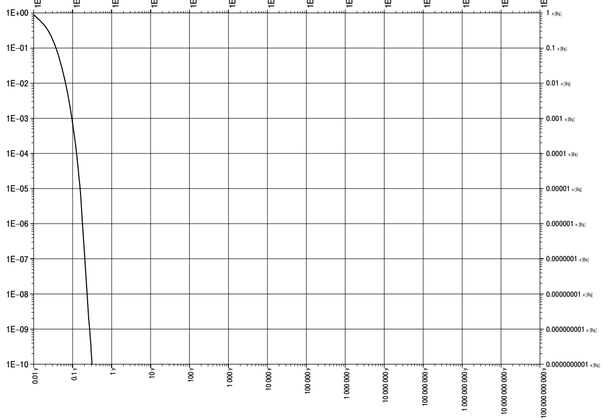
129m-Te



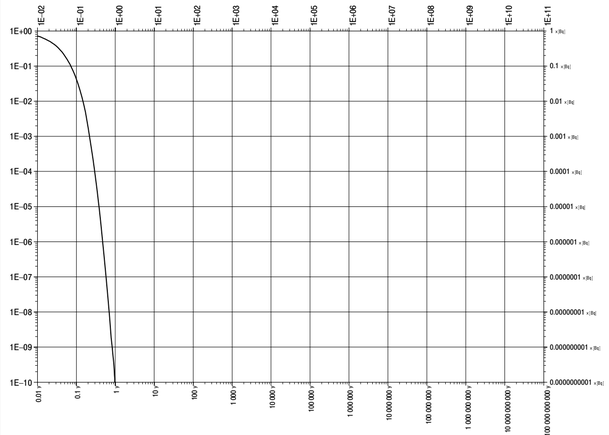
131m-Te



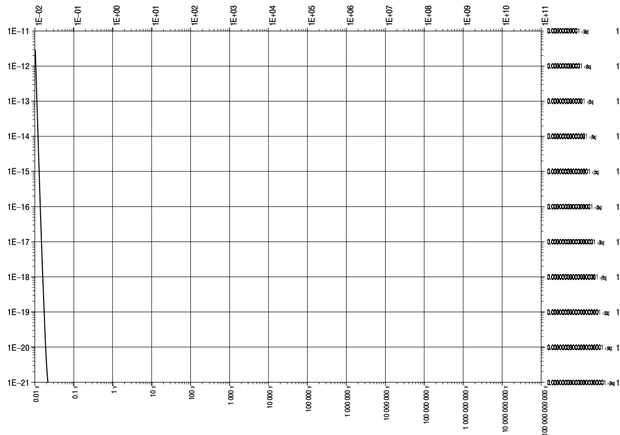
132-Te



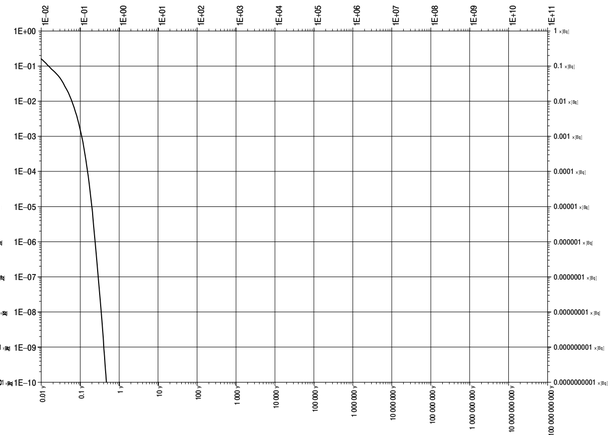
131-I



132-I



133-I



135-I

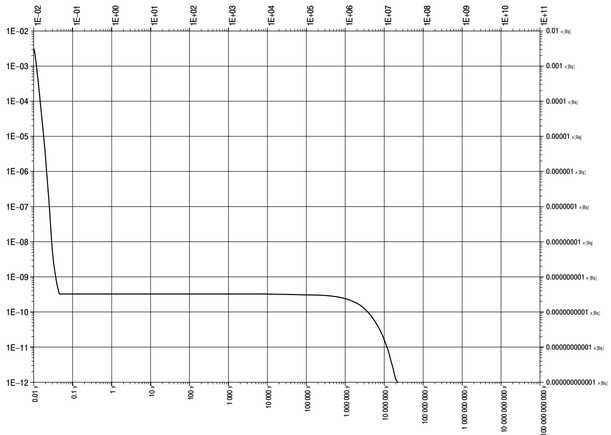
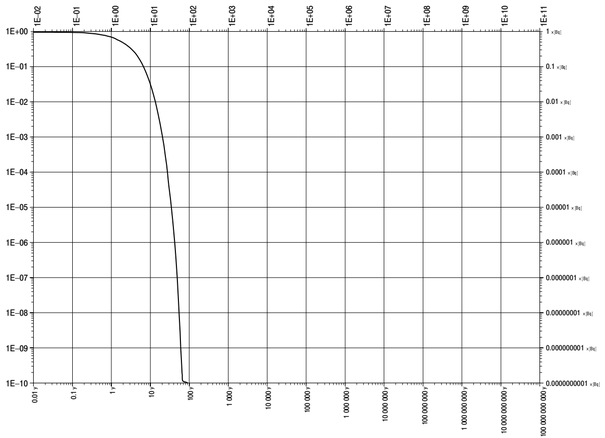
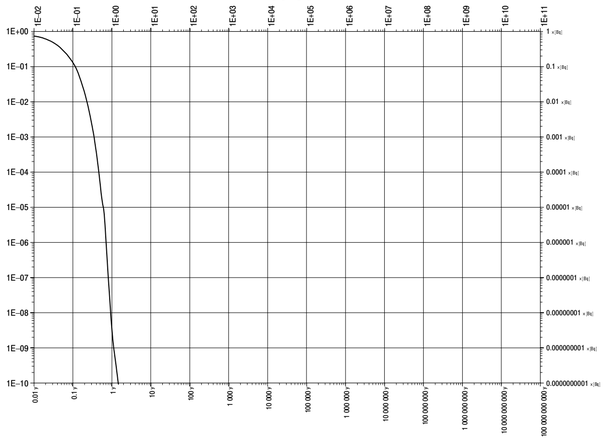


TABLE 8-d: **The decrease of activity [Bq] over time [years]:** *134-Cs 136-Cs 137-Cs 140-Ba 141-Ce 144-Ce 143-Pr 147-Nd*

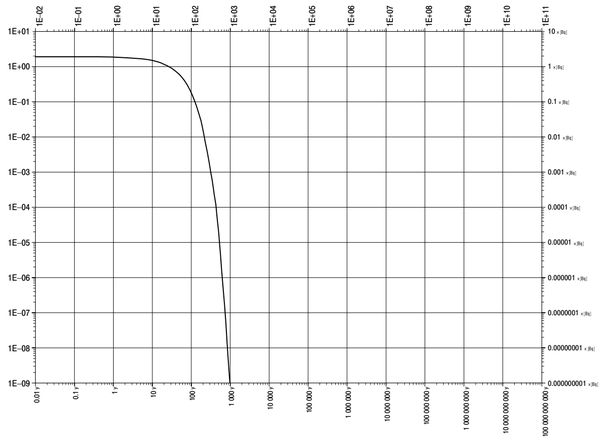
134-Cs



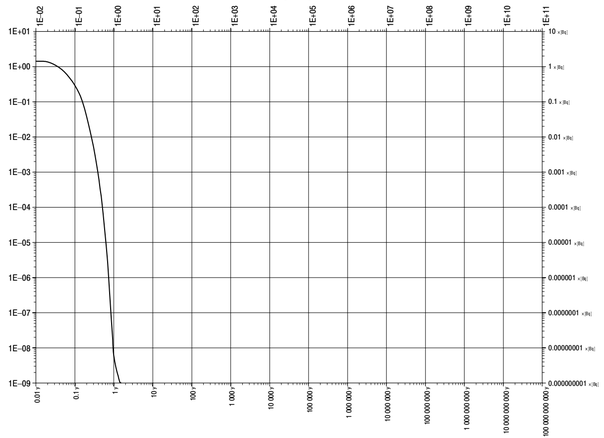
136-Cs



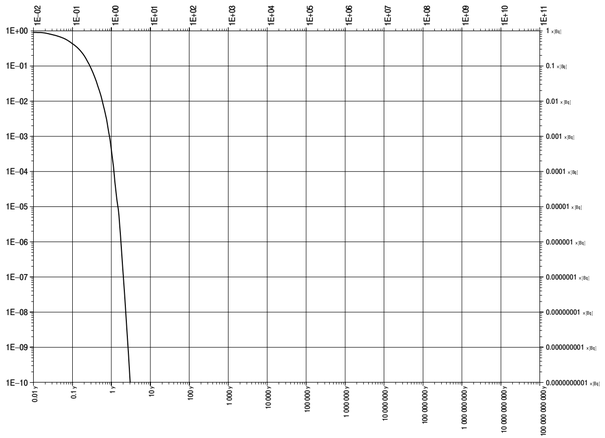
137-Cs



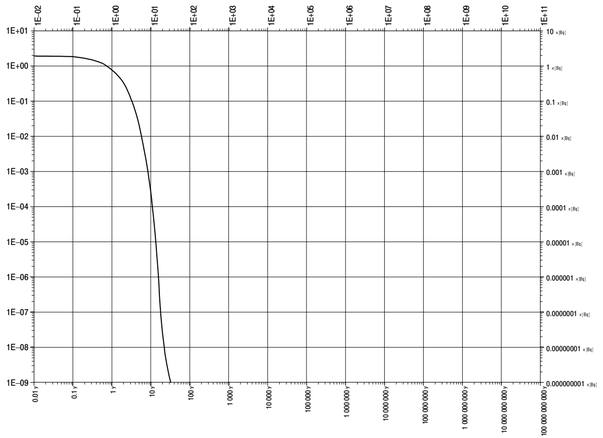
140-Ba



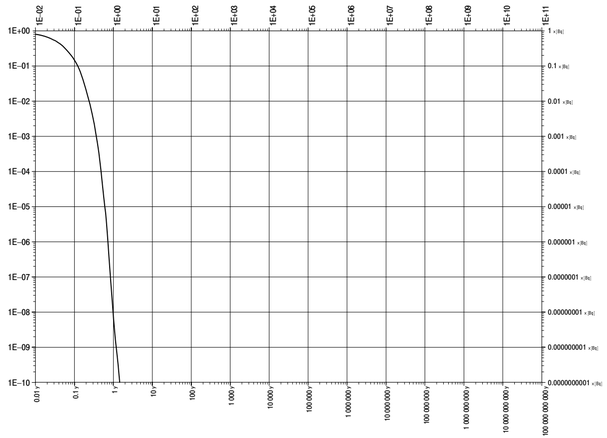
141-Ce



144-Ce



143-Pr



147-Nd

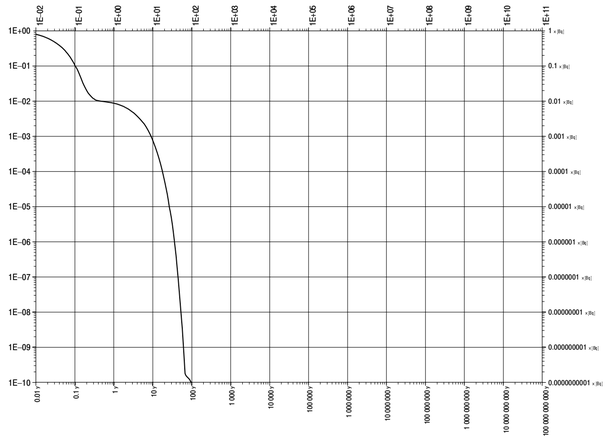
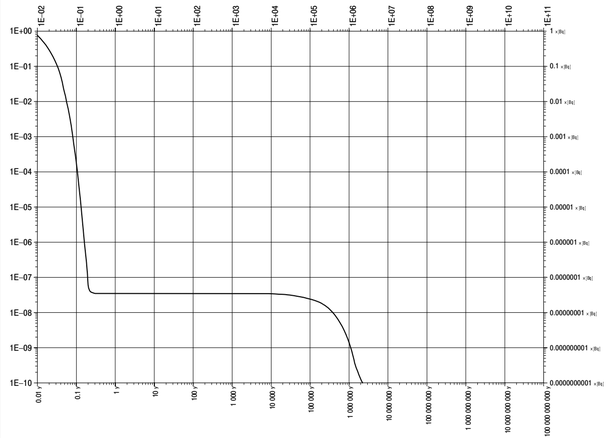
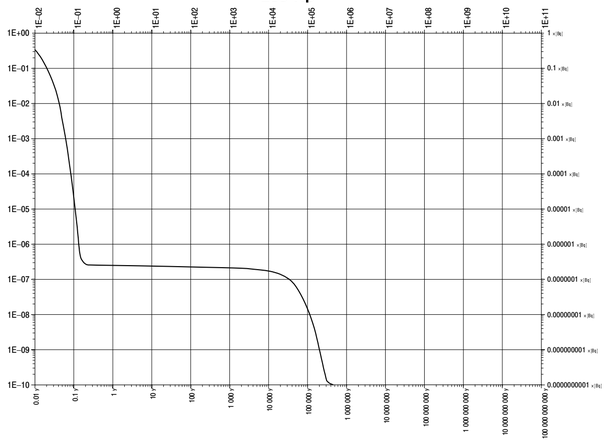


TABLE 8-e: **The decrease of activity [Bq] over time [years]:** *99-Mo 239-Np 238-Pu 239-Pu 240-Pu 241-Pu 242-Pu 242-Cm*

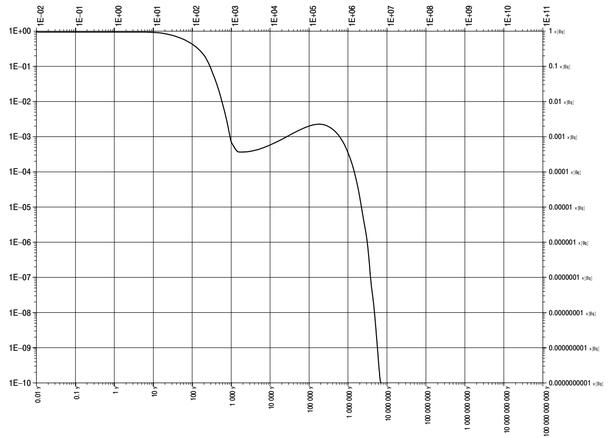
99-Mo



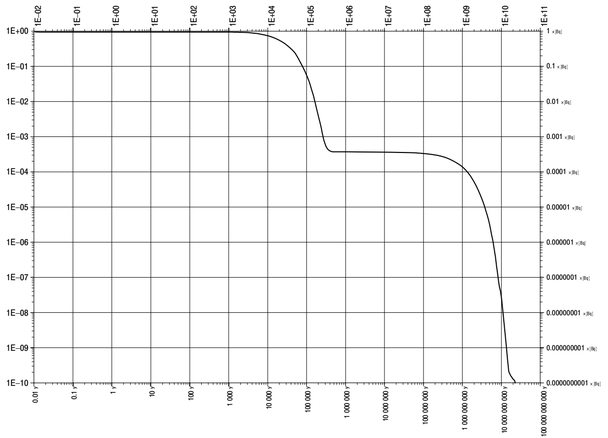
239-Np



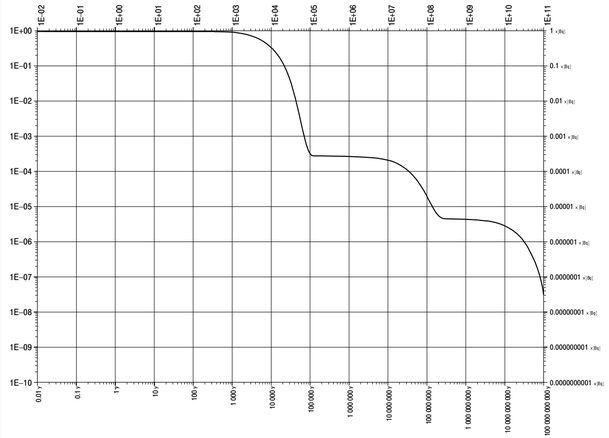
238-Pu



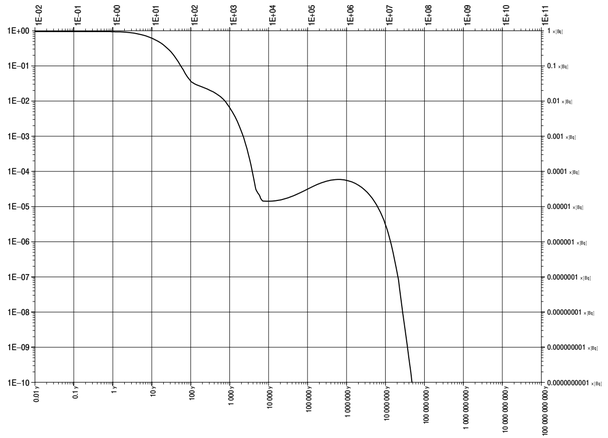
239-Pu



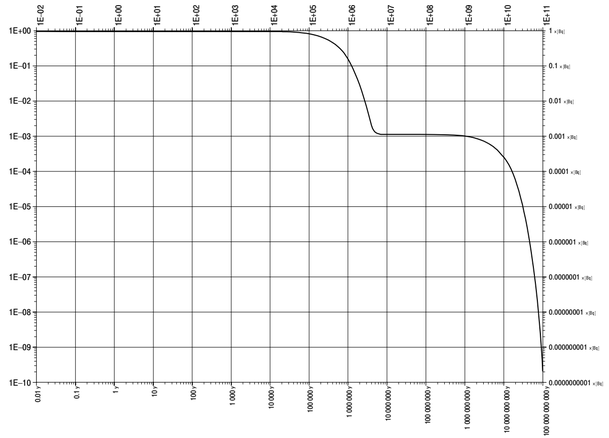
240-Pu



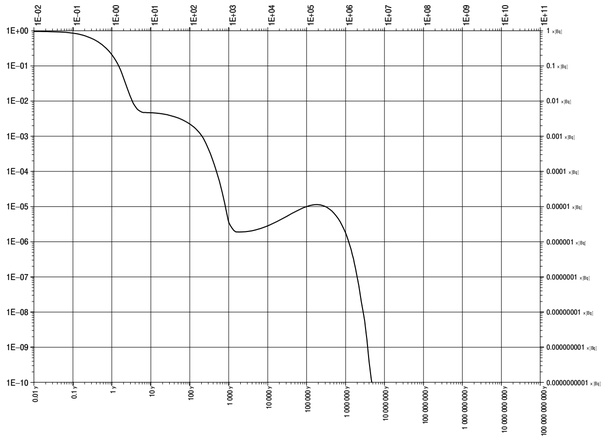
241-Pu



242-Pu



242-Cm



Source: *WISE Uranium Project*

Ed.: *A.Karoń*