

## Annex 1.4. Inventories of the nuclides in the reactor core immediately after shut-down for ENU and 40% MOX

Nuclide	MOX-40% (Bq)	ENU (Bq)		Nuclide	MOX-40% (Bq)	ENU (Bq)
Kr-83m	1.36E+17	1.55E+17		I-131	1.28E+18	1.28E+18
Kr-85m	3.2E+17	3.74E+17		I-132	1.78E+18	1.81E+18
Kr-85	1.61E+16	1.81E+16		I-133	2.51E+18	2.57E+18
Kr-87	5.42E+17	6.41E+17		I-134	2.71E+18	2.79E+18
Kr-88	7.33E+17	8.70E+17		I-135	2.41E+18	2.46E+18
Rb-86	2.36E+15	2.68E+15		Xe-131m	1.38E+16	1.38E+16
Rb-88	7.56E+17	8.95E+17		Xe-133m	7.63E+16	7.77E+16
Rb-89	1.02E+18	1.22E+18		Xe-133	2.54E+18	2.60E+18
Sr-89	1.07E+18	1.29E+18		Xe-135m	5.39E+17	5.36E+17
Sr-90	1.16E+17	1.33E+17		Xe-135	7.68E+17	5.98E+17
Sr-91	1.35E+18	1.58E+18		Xe-138	2.16E+18	2.26E+18
Sr-92	1.47E+18	1.68E+18		Cs-134m	6.05E+16	6.39E+16
Sr-93	1.67E+18	1.86E+18		Cs-134	2.62E+17	2.60E+17
Y-90m	9.41E+13	1.12E+14		Cs-135	8.38E+11	6.46E+11
Y-90	1.21E+17	1.39E+17		Cs-136	7.04E+16	6.06E+16
Y-91m	6.92E+17	8.10E+17		Cs-137	1.86E+17	1.83E+17
Y-91	1.44E+18	1.70E+18		Cs-138	2.37E+18	2.47E+18
Y-92	1.48E+18	1.69E+18		Ba-139	2.18E+18	2.30E+18
Y-93	1.70E+18	1.89E+18		Ba-140	2.15E+18	2.26E+18
Zr-89	6.34E+10	7.68E+10		La-140	2.23E+18	2.34E+18
Zr-93	2.86E+12	3.06E+12		La-141	1.99E+18	2.08E+18
Zr-95	2.09E+18	2.27E+18		La-142	1.94E+18	2.03E+18
Zr-97	2.02E+18	2.12E+18		Ce-141	2.06E+18	2.16E+18
Nb-93m	2.22E+11	2.23E+11		Ce-143	1.87E+18	2.00E+18
Nb-94m	2.01E+12	1.95E+12		Ce-144	1.60E+18	1.73E+18
Nb-94	4.11E+08	3.71E+08		Pr-143	1.87E+18	2.01E+18
Nb-95m	2.32E+16	2.52E+16		Pr-145	1.29E+18	1.36E+18
Nb-95	2.11E+18	2.29E+18		Nd-147	8.22E+17	8.48E+17
Nb-97	2.03E+18	2.13E+18		Pm-147	2.79E+17	2.79E+17
Mo-99	2.33E+18	2.40E+18		Pm-148m	5.19E+16	4.58E+16
Mo-101	2.21E+18	2.22E+18		Pm-148	2.15E+17	2.23E+17
Tc-99m	2.04E+18	2.10E+18		Pm-149	6.58E+17	6.79E+17
Tc-99	2.33E+13	2.30E+13		Pm-151	2.54E+17	2.40E+17
Tc-101	2.21E+18	2.22E+18		Eu-152m	1.89E+14	1.22E+14
Ru-103	2.08E+18	1.92E+18		Eu-152	5.22E+12	1.63E+12

Nuclide	MOX-40% (Bq)	ENU (Bq)		Nuclide	MOX-40% (Bq)	ENU (Bq)
Ru-105	1.53E+18	1.32E+18		Eu-154	1.66E+16	1.43E+16
Ru-106	9.07E+17	6.88E+17		Eu-155	8.90E+15	6.54E+15
Rh-103m	2.08E+18	1.92E+18		Eu-156	3.04E+17	2.90E+17
Rh-105	1.47E+18	1.25E+18		Po-210	9.49E+02	1.00E+03
Ag-108m	5.59E+09	2.81E+09		Ra-226	2.99E+04	3.52E+04
Ag-110m	7.16E+15	4.70E+15		U-234	1.57E+12	2.06E+12
Ag-110	2.16E+17	1.53E+17		U-235	2.83E+10	3.95E+10
Ag-111	8.72E+16	7.00E+16		U-238	4.43E+11	4.50E+11
Sb-124	1.59E+15	1.25E+15		Np-237	3.59E+11	4.27E+11
Sb-125	2.64E+16	1.97E+16		Np-238	3.47E+17	4.33E+17
Sb-126	1.15E+15	9.95E+14		Np-239	2.17E+19	2.33E+19
Sb-127	1.31E+17	1.14E+17		Pu-236	3.18E+11	3.32E+11
Sb-128l	1.86E+16	170E+16		Pu-238	1.69E+16	3.74E+15
Sb-129	3.83E+17	3.66E+17		Pu-239	9.33E+14	4.53E+14
Sb-130l	4.41E+17	4.45E+17		Pu-240	2.13E+15	6.02E+14
Sb-131	1.04E+18	1.06E+18		Pu-241	4.50E+17	1.46E+17
Te-125m	5.66E+15	4.17E+15		Pu-242	1.36E+13	2.71E+12
Te-127m	1.2E+16	8.74E+15		Am-241	1.63E+15	1.67E+14
Te-127	1.19E+17	1.02E+17		Am-242m	7.93E+13	5.76E+12
Te-129m	6.98E+16	6.67E+16		Am-242	4.00E+17	9.14E+16
Te-129	4.13E+17	3.93E+17		Am-243	1.24E+14	2.71E+13
Te-131m	1.88E+17	1.83E+17		Cm-242	2.95E+17	5.49E+16
Te-131	1.13E+18	1.13E+18		Cm-243	1.50E+14	2.04E+13
Te-132	1.75E+18	1.78E+18		Cm-244	2.21E+16	4.14E+15
Te-133m	1.3E+18	1.33E+18		Cm-245	3.14E+12	3.68E+11
Te-133	1.23E+18	1.28E+18		Cm-246	8.23E+11	1.41E+11
Te-134	2.17E+18	2.28E+18		Cm-247	3.68E+06	4.93E+05
I-129	5.87E+10	5.19E+10		Cm-248	1.43E+07	1.98E+06
I-130	3.66E+16	3.82E+16				