

Table I Categories of Sealed Radioactive Material

Activity (A) Nuclide	Category I (TBq)	Category II (TBq)	Category III (TBq)	Category IV (TBq)	Category V (TBq)
Am-241	$A \geq 6.E+01$	$6.E+01 > A \geq 6.E-01$	$6.E-01 > A \geq 6.E-02$	$6.E-02 > A \geq 6.E-04$	$6.E-04 > A > 1.E-08$
Am-241/Be	$A \geq 6.E+01$	$6.E+01 > A \geq 6.E-01$	$6.E-01 > A \geq 6.E-02$	$6.E-02 > A \geq 6.E-04$	$6.E-04 > A > 1.E-08$
Au-198	$A \geq 2.E+02$	$2.E+02 > A \geq 2.E+00$	$2.E+00 > A \geq 2.E-01$	$2.E-01 > A \geq 2.E-03$	$2.E-03 > A > 1.E-06$
Cd-109	$A \geq 2.E+04$	$2.E+04 > A \geq 2.E+02$	$2.E+02 > A \geq 2.E+01$	$2.E+01 > A \geq 2.E-01$	$2.E-01 > A > 1.E-06$
Cf-252	$A \geq 2.E+01$	$2.E+01 > A \geq 2.E-01$	$2.E-01 > A \geq 2.E-02$	$2.E-02 > A \geq 2.E-04$	$2.E-04 > A > 1.E-08$
Cm-244	$A \geq 5.E+01$	$5.E+01 > A \geq 5.E-01$	$5.E-01 > A \geq 5.E-02$	$5.E-02 > A \geq 5.E-04$	$5.E-04 > A > 1.E-08$
Co-57	$A \geq 7.E+02$	$7.E+02 > A \geq 7.E+00$	$7.E+00 > A \geq 7.E-01$	$7.E-01 > A \geq 7.E-03$	$7.E-03 > A > 1.E-06$
Co-60	$A \geq 3.E+01$	$3.E+01 > A \geq 3.E-01$	$3.E-01 > A \geq 3.E-02$	$3.E-02 > A \geq 3.E-04$	$3.E-04 > A > 1.E-07$
Cs-137	$A \geq 1.E+02$	$1.E+02 > A \geq 1.E+00$	$1.E+00 > A \geq 1.E-01$	$1.E-01 > A \geq 1.E-03$	$1.E-03 > A > 1.E-08$
Fe-55	$A \geq 8.E+05$	$8.E+05 > A \geq 8.E+03$	$8.E+03 > A \geq 8.E+02$	$8.E+02 > A \geq 8.E+00$	$8.E+00 > A > 1.E-06$
Gd-153	$A \geq 1.E+03$	$1.E+03 > A \geq 1.E+01$	$1.E+01 > A \geq 1.E+00$	$1.E+00 > A \geq 1.E-02$	$1.E-02 > A > 1.E-05$
Ge-68	$A \geq 7.E+01$	$7.E+01 > A \geq 7.E-01$	$7.E-01 > A \geq 7.E-02$	$7.E-02 > A \geq 7.E-04$	$7.E-04 > A > 1.E-07$
H-3	$A \geq 2.E+06$	$2.E+06 > A \geq 2.E+04$	$2.E+04 > A \geq 2.E+03$	$2.E+03 > A \geq 2.E+01$	$2.E+01 > A > 1.E-03$
I-125	$A \geq 2.E+02$	$2.E+02 > A \geq 2.E+00$	$2.E+00 > A \geq 2.E-01$	$2.E-01 > A \geq 2.E-03$	$2.E-03 > A > 1.E-06$
I-131	$A \geq 2.E+02$	$2.E+02 > A \geq 2.E+00$	$2.E+00 > A \geq 2.E-01$	$2.E-01 > A \geq 2.E-03$	$2.E-03 > A > 1.E-06$
Ir-192	$A \geq 8.E+01$	$8.E+01 > A \geq 8.E-01$	$8.E-01 > A \geq 8.E-02$	$8.E-02 > A \geq 8.E-04$	$8.E-04 > A > 1.E-08$
Kr-85	$A \geq 3.E+04$	$3.E+04 > A \geq 3.E+02$	$3.E+02 > A \geq 3.E+01$	$3.E+01 > A \geq 3.E-01$	$3.E-01 > A > 1.E-08$
Mo-99	$A \geq 3.E+02$	$3.E+02 > A \geq 3.E+00$	$3.E+00 > A \geq 3.E-01$	$3.E-01 > A \geq 3.E-03$	$3.E-03 > A > 1.E-06$
Ni-63	$A \geq 6.E+04$	$6.E+04 > A \geq 6.E+02$	$6.E+02 > A \geq 6.E+01$	$6.E+01 > A \geq 6.E-01$	$6.E-01 > A > 1.E-04$
P-32	$A \geq 1.E+04$	$1.E+04 > A \geq 1.E+02$	$1.E+02 > A \geq 1.E+01$	$1.E+01 > A \geq 1.E-01$	$1.E-01 > A > 1.E-07$
Pd-103	$A \geq 9.E+04$	$9.E+04 > A \geq 9.E+02$	$9.E+02 > A \geq 9.E+01$	$9.E+01 > A \geq 9.E-01$	$9.E-01 > A > 1.E-04$
Pm-147	$A \geq 4.E+04$	$4.E+04 > A \geq 4.E+02$	$4.E+02 > A \geq 4.E+01$	$4.E+01 > A \geq 4.E-01$	$4.E-01 > A > 1.E-05$
Po-210	$A \geq 6.E+01$	$6.E+01 > A \geq 6.E-01$	$6.E-01 > A \geq 6.E-02$	$6.E-02 > A \geq 6.E-04$	$6.E-04 > A > 1.E-08$
Pu-238	$A \geq 6.E+01$	$6.E+01 > A \geq 6.E-01$	$6.E-01 > A \geq 6.E-02$	$6.E-02 > A \geq 6.E-04$	$6.E-04 > A > 1.E-08$
Pu-239/Be	$A \geq 6.E+01$	$6.E+01 > A \geq 6.E-01$	$6.E-01 > A \geq 6.E-02$	$6.E-02 > A \geq 6.E-04$	$6.E-04 > A > 1.E-08$
Ra-226	$A \geq 4.E+01$	$4.E+01 > A \geq 4.E-01$	$4.E-01 > A \geq 4.E-02$	$4.E-02 > A \geq 4.E-04$	$4.E-04 > A > 1.E-08$
Ru-106 (Rh-106)	$A \geq 3.E+02$	$3.E+02 > A \geq 3.E+00$	$3.E+00 > A \geq 3.E-01$	$3.E-01 > A \geq 3.E-03$	$3.E-03 > A > 1.E-07$
Se-75	$A \geq 2.E+02$	$2.E+02 > A \geq 2.E+00$	$2.E+00 > A \geq 2.E-01$	$2.E-01 > A \geq 2.E-03$	$2.E-03 > A > 1.E-06$
Sr-90 (Y-90)	$A \geq 1.E+03$	$1.E+03 > A \geq 1.E+01$	$1.E+01 > A \geq 1.E+00$	$1.E+00 > A \geq 1.E-02$	$1.E-02 > A > 1.E-08$
Tc-99 ^M	$A \geq 7.E+02$	$7.E+02 > A \geq 7.E+00$	$7.E+00 > A \geq 7.E-01$	$7.E-01 > A \geq 7.E-03$	$7.E-03 > A > 1.E-05$
Tl-204	$A \geq 2.E+04$	$2.E+04 > A \geq 2.E+02$	$2.E+02 > A \geq 2.E+01$	$2.E+01 > A \geq 2.E-01$	$2.E-01 > A > 1.E-08$
Tm-170	$A \geq 2.E+04$	$2.E+04 > A \geq 2.E+02$	$2.E+02 > A \geq 2.E+01$	$2.E+01 > A \geq 2.E-01$	$2.E-01 > A > 1.E-06$
Yb-169	$A \geq 3.E+02$	$3.E+02 > A \geq 3.E+00$	$3.E+00 > A \geq 3.E-01$	$3.E-01 > A \geq 3.E-03$	$3.E-03 > A > 1.E-05$

Notes:

1. When two or more nuclides listed in the table are included in each container, the following formula shall be followed. If the result of the calculation is greater than 1,

the preceding category shall be followed.

$$\sum_1^n \left(\frac{R_1}{AR_1} + \frac{R_2}{AR_2} + \Lambda + \frac{R_n}{AR_n} \right)$$

where,

R = the activity of the nuclide for which an import or export application is being made;

AR = the upper limit of activity of the nuclide as listed in the table.

2. One TBq equals to 1.E+12 Bq.