

## SCHEDULE

## Amendment of Schedule 23

**Amendment of Part 3 (tables of radionuclides and summation rules)**

9. In paragraph 2(1), for Table 2 substitute—

<i>“Radionuclide</i>	<i>Concentration in becquerels per gram (Bq/g)</i>
H-3	10 <sup>2</sup>
Be-7	10
C-14	10
F-18	10
Na-22	0.1
Na-24	1
Si-31	10 <sup>3</sup>
P-32	10 <sup>3</sup>
P-33	10 <sup>3</sup>
S-35	10 <sup>2</sup>
Cl-36	1
Cl-38	10
K-42	10 <sup>2</sup>
K-43	10
Ca-45	10 <sup>2</sup>
Ca-47	10
Sc-46	0.1
Sc-47	10 <sup>2</sup>
Sc-48	1
V-48	1
Cr-51	10 <sup>2</sup>
Mn-51	10
Mn-52	1
Mn-52m	10
Mn-53	10 <sup>2</sup>
Mn-54	0.1
Mn-56	10

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<i>“Radionuclide</i>	<i>Concentration in becquerels per gram (Bq/g)</i>
Fe-52+	10
Fe-55	10 <sup>3</sup>
Fe-59	1
Co-55	10
Co-56	0.1
Co-57	1
Co-58	1
Co-58m	10 <sup>4</sup>
Co-60	0.1
Co-60m	10 <sup>3</sup>
Co-61	10 <sup>2</sup>
Co-62m	10
Ni-59	10 <sup>2</sup>
Ni-63	10 <sup>2</sup>
Ni-65	10
Cu-64	10 <sup>2</sup>
Zn-65	0.1
Zn-69	10 <sup>3</sup>
Zn-69m+	10
Ga-72	10
Ge-71	10 <sup>4</sup>
As-73	10 <sup>3</sup>
As-74	10
As-76	10
As-77	10 <sup>3</sup>
Se-75	1
Br-82	1
Rb-86	10 <sup>2</sup>
Sr-85	1
Sr-85m	10 <sup>2</sup>
Sr-87m	10 <sup>2</sup>

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<i>“Radionuclide</i>	<i>Concentration in becquerels per gram (Bq/g)</i>
Sr-89	10 <sup>3</sup>
Sr-90+	1
Sr-91+	10
Sr-92	10
Y-90	10 <sup>3</sup>
Y-91	10 <sup>2</sup>
Y-91m	10 <sup>2</sup>
Y-92	10 <sup>2</sup>
Y-93	10 <sup>2</sup>
Zr-93	10
Zr-95+	1
Zr-97+	10
Nb-93m	10
Nb-94	0.1
Nb-95	1
Nb-97+	10
Nb-98	10
Mo-90	10
Mo-93	10
Mo-99+	10
Mo-101+	10
Tc-96	1
Tc-96m	10 <sup>3</sup>
Tc-97	10
Tc-97m	10 <sup>2</sup>
Tc-99	1
Tc-99m	10 <sup>2</sup>
Ru-97	10
Ru-103+	1
Ru-105+	10
Ru-106+	0.1
Rh-103m	10 <sup>4</sup>

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<i>“Radionuclide</i>	<i>Concentration in becquerels per gram (Bq/g)</i>
Rh-105	$10^2$
Pd-103+	$10^3$
Pd-109+	$10^2$
Ag-105	1
Ag-108m+	0.1
Ag-110m+	0.1
Ag-111	$10^2$
Cd-109+	1
Cd-115+	10
Cd-115m+	$10^2$
In-111	10
In-113m	$10^2$
In-114m+	10
In-115m	$10^2$
Sn-113+	1
Sn-125	10
Sb-122	10
Sb-124	1
Sb-125+	0.1
Te-123m	1
Te-125m	$10^3$
Te-127	$10^3$
Te-127m+	10
Te-129	$10^2$
Te-129m+	10
Te-131	$10^2$
Te-131m+	10
Te-132+	1
Te-133+	1
Te-133m+	1
Te-134	10
I-123	$10^2$

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<i>“Radionuclide</i>	<i>Concentration in becquerels per gram (Bq/g)</i>
I-125	10 <sup>2</sup>
I-126	10
I-129	0.01
I-130	10
I-131+	1
I-132	10
I-133	10
I-134	10
I-135	10
Cs-129	10
Cs-131	10 <sup>3</sup>
Cs-132	10
Cs-134	0.1
Cs-134m	10 <sup>3</sup>
Cs-135	10 <sup>2</sup>
Cs-136	1
Cs-137+	1
Cs-138	10
Ba-131	10
Ba-140	1
La-140	1
Ce-139	1
Ce-141	10 <sup>2</sup>
Ce-143	10
Ce-144+	10
Pr-142	10 <sup>2</sup>
Pr-143	10 <sup>3</sup>
Nd-147	10 <sup>2</sup>
Nd-149	10 <sup>2</sup>
Pm-147	10 <sup>3</sup>
Pm-149	10 <sup>3</sup>
Sm-151	10 <sup>3</sup>

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<i>“Radionuclide</i>	<i>Concentration in becquerels per gram (Bq/g)</i>
Sm-153	$10^2$
Eu-152	0.1
Eu-152m	$10^2$
Eu-154	0.1
Eu-155	1
Gd-153	10
Gd-159	$10^2$
Tb-160	1
Dy-165	$10^3$
Dy-166	$10^2$
Ho-166	$10^2$
Er-169	$10^3$
Er-171	$10^2$
Tm-170	$10^2$
Tm-171	$10^3$
Yb-175	$10^2$
Lu-177	$10^2$
Hf-181	1
Ta-182	0.1
W-181	10
W-185	$10^3$
W-187	10
Re-186	$10^3$
Re-188	$10^2$
Os-185	1
Os-191	$10^2$
Os-191m	$10^3$
Os-193	$10^2$
Ir-190	1
Ir-192	1
Ir-194	$10^2$

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<i>“Radionuclide</i>	<i>Concentration in becquerels per gram (Bq/g)</i>
Pt-191	10
Pt-193m	10 <sup>3</sup>
Pt-197	10 <sup>3</sup>
Pt-197m	10 <sup>2</sup>
Au-198	10
Au-199	10 <sup>2</sup>
Hg-197	10 <sup>2</sup>
Hg-197m	10 <sup>2</sup>
Hg-203	10
Tl-200	10
Tl-201	10 <sup>2</sup>
Tl-202	10
Tl-204	1
Pb-203	10
Pb-210+	0.01
Pb-212+	1
Bi-206	1
Bi-207	0.1
Bi-210	10
Bi-212+	1
Po-203	10
Po-205	10
Po-207	10
Po-210	0.01
At-211	10 <sup>3</sup>
Ra-223+	1
Ra-224+	1
Ra-225	10
Ra-226+	0.01
Ra-227	10 <sup>2</sup>
Ra-228+	0.01
Ac-227+	0.01

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<i>“Radionuclide</i>	<i>Concentration in becquerels per gram (Bq/g)</i>
Ac-228	1
Th-226+	$10^2$
Th-227	1
Th-228+	0.1
Th-229+	0.1
Th-230	0.1
Th-231	$10^2$
Th-232	0.01
Th-232+	0.01
Th-232sec	0.01
Th-234+	10
Pa-230	10
Pa-231	0.01
Pa-233	10
U-230+	1
U-231	$10^2$
U-232+	0.1
U-233	1
U-234	1
U-235+	1
U-235sec	0.01
U-236	10
U-237	$10^2$
U-238+	1
U-238sec	0.01
U-239	$10^2$
U-240+	$10^2$
Np-237+	1
Np-239	$10^2$
Np-240	10
Pu-234	$10^2$
Pu-235	$10^2$



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<i>“Radionuclide</i>	<i>Concentration in becquerels per gram (Bq/g)</i>
Pu-236	1
Pu-237	$10^2$
Pu-238	0.1
Pu-239	0.1
Pu-240	0.1
Pu-241	10
Pu-242	0.1
Pu-243	$10^3$
Pu-244+	0.1
Am-241	0.1
Am-242	$10^3$
Am-242m+	0.1
Am-243+	0.1
Cm-242	10
Cm-243	1
Cm-244	1
Cm-245	0.1
Cm-246	0.1
Cm-247+	0.1
Cm-248	0.1
Bk-249	$10^2$
Cf-246	$10^3$
Cf-248	1
Cf-249	0.1
Cf-250	1
Cf-251	0.1
Cf-252	1
Cf-253	$10^2$
Cf-253+	1
Cf-254	1
Es-253	$10^2$
Es-254+	0.1

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Es-254m+	10
Fm-254	10 <sup>4</sup>
Fm-255	10 <sup>2</sup>
Any other solid or relevant liquid radionuclide that is not of natural terrestrial or cosmic origin	0.01 or that concentration which gives rise to a dose to a member of the public of 10 microsieverts per year calculated by reference to the International Atomic Energy Agency publication “Application of the Concepts of Exclusion, Exemption and Clearance”, IAEA Safety Standards Series No. RS-G-1.7(1).”

(1) Available from [www-pub.iaea.org](http://www-pub.iaea.org). A hard copy of this publication can be obtained by writing to: Nuclear Decommissioning and Radioactive Waste Policy Team, Department for Business, Energy & Industrial Strategy, 1 Victoria Street, London, SW1H 0ET.