

NRC RA18-026

2017 Annual Radioactive Effluent Release Report

Part 7a

Table 4-19 (Page 1 of 4)

Adult Drinking Water A_{it} mrem*mL/hr* μ Ci

<u>Nuclide</u>	<u>Bone</u>	<u>Liver</u>	<u>T Body</u>	<u>Thyroid</u>	<u>Kidney</u>	<u>Lung</u>	<u>GI-LLI</u>	<u>Skin</u>
H-3	0.00E+00	4.99E+00	4.99E+00	4.99E+00	4.99E+00	4.99E+00	4.99E+00	0.00E+00
C-14	2.37E+02	4.73E+01	4.73E+01	4.73E+01	4.73E+01	4.73E+01	4.73E+01	0.00E+00
NA-22	1.45E+03	1.45E+03	1.45E+03	1.45E+03	1.45E+03	1.45E+03	1.45E+03	0.00E+00
NA-24	8.14E+01	8.14E+01	8.14E+01	8.14E+01	8.14E+01	8.14E+01	8.14E+01	0.00E+00
P-32	1.57E+04	9.76E+02	6.07E+02	0.00E+00	0.00E+00	0.00E+00	1.77E+03	0.00E+00
CA-41	1.54E+04	0.00E+00	1.67E+03	0.00E+00	0.00E+00	0.00E+00	1.53E+01	0.00E+00
SC-46	4.57E-01	8.88E-01	2.58E-01	0.00E+00	8.29E-01	0.00E+00	4.32E+03	0.00E+00
CR-51	0.00E+00	0.00E+00	2.19E-01	1.31E-01	4.82E-02	2.91E-01	5.51E+01	0.00E+00
MN-54	0.00E+00	3.80E+02	7.26E+01	0.00E+00	1.13E+02	0.00E+00	1.17E+03	0.00E+00
FE-55	2.29E+02	1.58E+02	3.69E+01	0.00E+00	0.00E+00	8.83E+01	9.08E+01	0.00E+00
MN-56	0.00E+00	3.81E-01	6.75E-02	0.00E+00	4.83E-01	0.00E+00	1.21E+01	0.00E+00
CO-57	0.00E+00	1.46E+01	2.42E+01	0.00E+00	0.00E+00	0.00E+00	3.70E+02	0.00E+00
CO-58	0.00E+00	6.18E+01	1.38E+02	0.00E+00	0.00E+00	0.00E+00	1.25E+03	0.00E+00
FE-59	3.59E+02	8.43E+02	3.23E+02	0.00E+00	0.00E+00	2.36E+02	2.81E+03	0.00E+00
CO-60	0.00E+00	1.78E+02	3.93E+02	0.00E+00	0.00E+00	0.00E+00	3.35E+03	0.00E+00
NI-59	8.13E+02	2.79E+02	1.36E+02	0.00E+00	0.00E+00	0.00E+00	5.75E+01	0.00E+00
NI-63	1.08E+04	7.51E+02	3.63E+02	0.00E+00	0.00E+00	0.00E+00	1.57E+02	0.00E+00
CU-64	0.00E+00	3.61E+00	1.69E+00	0.00E+00	9.09E+00	0.00E+00	3.07E+02	0.00E+00
NI-65	1.62E+00	2.11E-01	9.61E-02	0.00E+00	0.00E+00	0.00E+00	5.34E+00	0.00E+00
ZN-65	4.03E+02	1.28E+03	5.79E+02	0.00E+00	8.57E+02	0.00E+00	8.07E+02	0.00E+00
ZN-69m	7.74E+00	1.86E+01	1.70E+00	0.00E+00	1.12E+01	0.00E+00	1.13E+03	0.00E+00
ZN-69	1.08E-04	2.08E-04	1.44E-05	0.00E+00	1.35E-04	0.00E+00	3.12E-05	0.00E+00
SE-79	0.00E+00	2.19E+02	3.66E+01	0.00E+00	3.79E+02	0.00E+00	4.48E+01	0.00E+00
BR-82	0.00E+00	0.00E+00	1.49E+02	0.00E+00	0.00E+00	0.00E+00	1.71E+02	0.00E+00
BR-83	0.00E+00	0.00E+00	1.03E-01	0.00E+00	0.00E+00	0.00E+00	1.49E-01	0.00E+00
BR-84	0.00E+00	0.00E+00	6.64E-07	0.00E+00	0.00E+00	0.00E+00	5.21E-12	0.00E+00
BR-85	0.00E+00	0.00E+00	4.40E-77	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RB-86	0.00E+00	1.73E+03	8.04E+02	0.00E+00	0.00E+00	0.00E+00	3.40E+02	0.00E+00
RB-87	0.00E+00	1.03E+03	3.57E+02	0.00E+00	0.00E+00	0.00E+00	4.80E+01	0.00E+00
RB-88	0.00E+00	3.36E-12	1.78E-12	0.00E+00	0.00E+00	0.00E+00	4.64E-23	0.00E+00
RB-89	0.00E+00	3.06E-14	2.15E-14	0.00E+00	0.00E+00	0.00E+00	1.78E-27	0.00E+00
SR-89	2.55E+04	0.00E+00	7.32E+02	0.00E+00	0.00E+00	0.00E+00	4.09E+03	0.00E+00
SR-90	7.26E+05	0.00E+00	1.46E+04	0.00E+00	0.00E+00	0.00E+00	1.82E+04	0.00E+00
Y-90	7.04E-01	0.00E+00	1.89E-02	0.00E+00	0.00E+00	0.00E+00	7.47E+03	0.00E+00
SR-91	1.97E+02	0.00E+00	7.95E+00	0.00E+00	0.00E+00	0.00E+00	9.37E+02	0.00E+00
Y-91m	3.31E-07	0.00E+00	1.28E-08	0.00E+00	0.00E+00	0.00E+00	9.71E-07	0.00E+00
Y-91	1.17E+01	0.00E+00	3.12E-01	0.00E+00	0.00E+00	0.00E+00	6.43E+03	0.00E+00

Table 4-19 (Page 2 of 4)

Adult Drinking Water A_{it} mrem*mL/hr* μ Ci

<u>Nuclide</u>	<u>Bone</u>	<u>Liver</u>	<u>T Body</u>	<u>Thyroid</u>	<u>Kidney</u>	<u>Lung</u>	<u>GI-LLI</u>	<u>Skin</u>
SR-92	8.32E+00	0.00E+00	3.60E-01	0.00E+00	0.00E+00	0.00E+00	1.65E+02	0.00E+00
Y-92	6.72E-03	0.00E+00	1.96E-04	0.00E+00	0.00E+00	0.00E+00	1.18E+02	0.00E+00
Y-93	9.80E-02	0.00E+00	2.71E-03	0.00E+00	0.00E+00	0.00E+00	3.11E+03	0.00E+00
NB-93m	2.12E+00	6.93E-01	1.71E-01	0.00E+00	7.97E-01	0.00E+00	3.20E+02	0.00E+00
NB-95	5.13E-01	2.85E-01	1.53E-01	0.00E+00	2.82E-01	0.00E+00	1.73E+03	0.00E+00
NB-97	4.29E-06	1.08E-06	3.96E-07	0.00E+00	1.27E-06	0.00E+00	4.00E-03	0.00E+00
ZR-93	3.48E+00	1.95E-01	9.08E-02	0.00E+00	7.39E-01	0.00E+00	2.03E+02	0.00E+00
ZR-95	2.52E+00	8.08E-01	5.47E-01	0.00E+00	1.27E+00	0.00E+00	2.56E+03	0.00E+00
ZR-97	8.56E-02	1.73E-02	7.90E-03	0.00E+00	2.61E-02	0.00E+00	5.35E+03	0.00E+00
MO-93	0.00E+00	6.26E+02	1.69E+01	0.00E+00	1.78E+02	0.00E+00	1.02E+02	0.00E+00
MO-99	0.00E+00	3.17E+02	6.02E+01	0.00E+00	7.17E+02	0.00E+00	7.34E+02	0.00E+00
TC-99	1.04E+01	1.55E+01	4.18E+00	0.00E+00	1.95E+02	1.32E+00	5.07E+02	0.00E+00
TC-99m	5.17E-03	1.46E-02	1.86E-01	0.00E+00	2.22E-01	7.16E-03	8.64E+00	0.00E+00
TC-101	1.15E-17	1.66E-17	1.63E-16	0.00E+00	2.99E-16	8.50E-18	5.00E-29	0.00E+00
RU-103	1.53E+01	0.00E+00	6.58E+00	0.00E+00	5.83E+01	0.00E+00	1.78E+03	0.00E+00
RU-105	1.97E-01	0.00E+00	7.78E-02	0.00E+00	2.55E+00	0.00E+00	1.21E+02	0.00E+00
RU-106	2.29E+02	0.00E+00	2.90E+01	0.00E+00	4.42E+02	0.00E+00	1.48E+04	0.00E+00
RH-105	7.97E+00	5.83E+00	3.84E+00	0.00E+00	2.48E+01	0.00E+00	9.29E+02	0.00E+00
PD-107	0.00E+00	1.23E+01	7.83E-01	0.00E+00	1.10E+02	0.00E+00	7.59E+01	0.00E+00
PD-109	0.00E+00	7.95E+00	1.79E+00	0.00E+00	4.54E+01	0.00E+00	8.80E+02	0.00E+00
AG-110m	1.33E+01	1.23E+01	7.31E+00	0.00E+00	2.42E+01	0.00E+00	5.03E+03	0.00E+00
AG-111	4.62E+00	1.93E+00	9.63E-01	0.00E+00	6.24E+00	0.00E+00	3.55E+03	0.00E+00
CD-113m	0.00E+00	2.65E+02	8.50E+00	0.00E+00	2.92E+02	0.00E+00	2.13E+03	0.00E+00
CD-115m	0.00E+00	1.52E+02	4.85E+00	0.00E+00	1.21E+02	0.00E+00	6.40E+03	0.00E+00
SN-123	2.58E+03	4.28E+01	6.31E+01	3.64E+01	0.00E+00	0.00E+00	5.26E+03	0.00E+00
SN-125	6.70E+02	1.35E+01	3.04E+01	1.12E+01	0.00E+00	0.00E+00	8.36E+03	0.00E+00
SN-126	7.04E+03	1.39E+02	2.00E+02	4.10E+01	0.00E+00	0.00E+00	2.03E+03	0.00E+00
SB-124	2.32E+02	4.38E+00	9.20E+01	5.63E-01	0.00E+00	1.81E+02	6.59E+03	0.00E+00
SB-125	1.49E+02	1.67E+00	3.55E+01	1.52E-01	0.00E+00	1.15E+02	1.64E+03	0.00E+00
SB-126	9.32E+01	1.90E+00	3.36E+01	5.70E-01	0.00E+00	5.71E+01	7.62E+03	0.00E+00
SB-127	1.96E+01	4.30E-01	7.54E+00	2.36E-01	0.00E+00	1.17E+01	4.49E+03	0.00E+00
TE-125m	2.22E+02	8.04E+01	2.97E+01	6.68E+01	9.03E+02	0.00E+00	8.86E+02	0.00E+00
TE-127m	5.62E+02	2.01E+02	6.85E+01	1.44E+02	2.28E+03	0.00E+00	1.89E+03	0.00E+00
TE-127	3.77E+00	1.35E+00	8.15E-01	2.79E+00	1.53E+01	0.00E+00	2.97E+02	0.00E+00
TE-129m	9.48E+02	3.54E+02	1.50E+02	3.26E+02	3.96E+03	0.00E+00	4.78E+03	0.00E+00
TE-129	2.01E-03	7.56E-04	4.90E-04	1.54E-03	8.46E-03	0.00E+00	1.52E-03	0.00E+00
TE-133m	4.71E-04	2.75E-04	2.65E-04	3.99E-04	2.72E-03	0.00E+00	9.44E-05	0.00E+00

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<u>Nuclide</u>	<u>Bone</u>	<u>Liver</u>	<u>T Body</u>	<u>Thyroid</u>	<u>Kidney</u>	<u>Lung</u>	<u>GI-LLI</u>	<u>Skin</u>
TE-134	1.76E-05	1.15E-05	7.07E-06	1.54E-05	1.12E-04	0.00E+00	1.95E-08	0.00E+00
I-129	2.73E+02	2.34E+02	7.68E+02	6.03E+05	5.03E+02	0.00E+00	3.70E+01	0.00E+00
I-130	3.21E+01	9.48E+01	3.74E+01	8.04E+03	1.48E+02	0.00E+00	8.16E+01	0.00E+00
I-131	3.32E+02	4.75E+02	2.72E+02	1.56E+05	8.14E+02	0.00E+00	1.25E+02	0.00E+00
TE-131m	1.09E+02	5.34E+01	4.45E+01	8.46E+01	5.41E+02	0.00E+00	5.31E+03	0.00E+00
TE-131	3.51E-09	1.47E-09	1.11E-09	2.89E-09	1.54E-08	0.00E+00	4.97E-10	0.00E+00
I-132	4.55E-01	1.22E+00	4.26E-01	4.26E+01	1.94E+00	0.00E+00	2.28E-01	0.00E+00
TE-132	1.89E+02	1.22E+02	1.15E+02	1.35E+02	1.18E+03	0.00E+00	5.78E+03	0.00E+00
I-133	7.93E+01	1.38E+02	4.21E+01	2.03E+04	2.41E+02	0.00E+00	1.24E+02	0.00E+00
CS-134m	1.01E-01	2.12E-01	1.08E-01	0.00E+00	1.15E-01	1.81E-02	7.48E-02	0.00E+00
CS-134	5.18E+03	1.23E+04	1.01E+04	0.00E+00	3.99E+03	1.32E+03	2.16E+02	0.00E+00
I-134	6.69E-04	1.82E-03	6.50E-04	3.15E-02	2.89E-03	0.00E+00	1.58E-06	0.00E+00
I-135	1.05E+01	2.75E+01	1.01E+01	1.81E+03	4.40E+01	0.00E+00	3.10E+01	0.00E+00
CS-135	1.63E+03	1.50E+03	6.66E+02	0.00E+00	5.68E+02	1.70E+02	3.51E+01	0.00E+00
CS-136	5.28E+02	2.09E+03	1.50E+03	0.00E+00	1.16E+03	1.59E+02	2.37E+02	0.00E+00
CS-137	6.64E+03	9.08E+03	5.95E+03	0.00E+00	3.08E+03	1.02E+03	1.76E+02	0.00E+00
CS-138	8.54E-07	1.69E-06	8.36E-07	0.00E+00	1.24E-06	1.22E-07	7.20E-12	0.00E+00
CS-139	2.49E-23	3.71E-23	1.35E-23	0.00E+00	2.97E-23	2.70E-24	8.03E-46	0.00E+00
BA-139	1.99E-02	1.42E-05	5.83E-04	0.00E+00	1.33E-05	8.05E-06	3.53E-02	0.00E+00
BA-140	1.65E+03	2.07E+00	1.08E+02	0.00E+00	7.03E-01	1.18E+00	3.39E+03	0.00E+00
LA-140	1.69E-01	8.54E-02	2.26E-02	0.00E+00	0.00E+00	0.00E+00	6.27E+03	0.00E+00
BA-141	5.38E-12	4.06E-15	1.82E-13	0.00E+00	3.78E-15	2.31E-15	2.53E-21	0.00E+00
LA-141	3.22E-03	9.99E-04	1.63E-04	0.00E+00	0.00E+00	0.00E+00	1.19E+02	0.00E+00
CE-141	7.72E-01	5.22E-01	5.92E-02	0.00E+00	2.42E-01	0.00E+00	2.00E+03	0.00E+00
BA-142	9.84E-21	1.01E-23	6.19E-22	0.00E+00	8.55E-24	5.73E-24	1.39E-38	0.00E+00
LA-142	5.70E-05	2.59E-05	6.46E-06	0.00E+00	0.00E+00	0.00E+00	1.89E-01	0.00E+00
CE-143	1.07E-01	7.90E+01	8.74E-03	0.00E+00	3.48E-02	0.00E+00	2.95E+03	0.00E+00
PR-143	7.47E-01	3.00E-01	3.70E-02	0.00E+00	1.73E-01	0.00E+00	3.27E+03	0.00E+00
CE-144	4.06E+01	1.70E+01	2.18E+00	0.00E+00	1.01E+01	0.00E+00	1.37E+04	0.00E+00
PR-144	7.19E-16	2.98E-16	3.65E-17	0.00E+00	1.68E-16	0.00E+00	1.03E-22	0.00E+00
ND-147	5.08E-01	5.87E-01	3.51E-02	0.00E+00	3.43E-01	0.00E+00	2.82E+03	0.00E+00
PM-147	6.28E+00	5.91E-01	2.39E-01	0.00E+00	1.12E+00	0.00E+00	7.44E+02	0.00E+00
PM-148m	2.54E+00	6.57E-01	5.02E-01	0.00E+00	9.92E-01	0.00E+00	5.57E+03	0.00E+00
PM-148	5.60E-01	9.30E-02	4.68E-02	0.00E+00	1.76E-01	0.00E+00	7.30E+03	0.00E+00
PM-149	1.08E-01	1.53E-02	6.26E-03	0.00E+00	2.89E-02	0.00E+00	2.87E+03	0.00E+00
PM-151	4.33E-02	7.27E-03	3.67E-03	0.00E+00	1.30E-02	0.00E+00	2.00E+03	0.00E+00
SM-151	5.75E+00	9.92E-01	2.37E-01	0.00E+00	1.11E+00	0.00E+00	4.37E+02	0.00E+00

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Adult Drinking Water A_{it} mrem*mL/hr* μ Ci

<u>Nuclide</u>	<u>Bone</u>	<u>Liver</u>	<u>T Body</u>	<u>Thyroid</u>	<u>Kidney</u>	<u>Lung</u>	<u>GI-LLI</u>	<u>Skin</u>
SM-153	5.98E-02	4.99E-02	3.64E-03	0.00E+00	1.61E-02	0.00E+00	1.78E+03	0.00E+00
EU-152	1.62E+01	3.70E+00	3.25E+00	0.00E+00	2.29E+01	0.00E+00	2.13E+03	0.00E+00
EU-154	5.12E+01	6.30E+00	4.48E+00	0.00E+00	3.02E+01	0.00E+00	4.57E+03	0.00E+00
EU-155	7.17E+00	1.02E+00	6.56E-01	0.00E+00	4.69E+00	0.00E+00	8.00E+02	0.00E+00
EU-156	1.12E+00	8.63E-01	1.39E-01	0.00E+00	5.77E-01	0.00E+00	5.91E+03	0.00E+00
TB-160	3.90E+00	0.00E+00	4.86E-01	0.00E+00	1.61E+00	0.00E+00	2.12E+03	0.00E+00
HO-166m	2.25E+01	7.02E+00	5.33E+00	0.00E+00	1.05E+01	0.00E+00	8.33E-17	0.00E+00
W-181	8.23E-01	2.68E-01	2.88E-02	0.00E+00	0.00E+00	0.00E+00	3.06E+01	0.00E+00
W-185	3.36E+01	1.12E+01	1.18E+00	0.00E+00	0.00E+00	0.00E+00	1.29E+03	0.00E+00
W-187	6.05E+00	5.06E+00	1.77E+00	0.00E+00	0.00E+00	0.00E+00	1.66E+03	0.00E+00
NP-239	8.56E-02	8.42E-03	4.64E-03	0.00E+00	2.63E-02	0.00E+00	1.73E+03	0.00E+00
U-232	3.44E+05	0.00E+00	2.46E+04	0.00E+00	3.72E+04	0.00E+00	5.65E+03	0.00E+00
U-233	7.26E+04	0.00E+00	4.40E+03	0.00E+00	1.69E+04	0.00E+00	5.23E+03	0.00E+00
U-234	6.97E+04	0.00E+00	4.31E+03	0.00E+00	1.66E+04	0.00E+00	5.12E+03	0.00E+00
U-235	6.68E+04	0.00E+00	4.05E+03	0.00E+00	1.56E+04	0.00E+00	6.51E+03	0.00E+00
U-236	6.68E+04	0.00E+00	4.13E+03	0.00E+00	1.59E+04	0.00E+00	4.80E+03	0.00E+00
U-237	4.37E+00	0.00E+00	1.16E+00	0.00E+00	1.80E+01	0.00E+00	1.54E+03	0.00E+00
U-238	6.39E+04	0.00E+00	3.78E+03	0.00E+00	1.46E+04	0.00E+00	4.58E+03	0.00E+00
NP-237	1.05E+05	7.47E+03	4.62E+03	0.00E+00	3.43E+04	0.00E+00	6.62E+03	0.00E+00
NP-238	9.69E-01	2.61E-02	1.51E-02	0.00E+00	8.84E-02	0.00E+00	2.43E+03	0.00E+00
PU-238	5.25E+04	6.65E+03	1.42E+03	0.00E+00	6.10E+03	0.00E+00	6.08E+03	0.00E+00
PU-239	6.04E+04	7.26E+03	1.59E+03	0.00E+00	6.76E+03	0.00E+00	5.55E+03	0.00E+00
PU-240	6.03E+04	7.25E+03	1.59E+03	0.00E+00	6.75E+03	0.00E+00	5.65E+03	0.00E+00
PU-241	1.31E+03	6.21E+01	2.77E+01	0.00E+00	1.27E+02	0.00E+00	1.17E+02	0.00E+00
PU-242	5.60E+04	6.99E+03	1.53E+03	0.00E+00	6.51E+03	0.00E+00	5.44E+03	0.00E+00
PU-244	6.53E+04	8.01E+03	1.76E+03	0.00E+00	7.46E+03	0.00E+00	8.11E+03	0.00E+00
AM-241	6.29E+04	5.87E+04	4.51E+03	0.00E+00	3.39E+04	0.00E+00	6.18E+03	0.00E+00
AM-242m	6.34E+04	5.52E+04	4.52E+03	0.00E+00	3.37E+04	0.00E+00	7.78E+03	0.00E+00
AM-243	6.28E+04	5.75E+04	4.42E+03	0.00E+00	3.33E+04	0.00E+00	7.25E+03	0.00E+00
CM-242	1.71E+03	1.82E+03	1.14E+02	0.00E+00	5.17E+02	0.00E+00	6.59E+03	0.00E+00
CM-243	4.99E+04	4.57E+04	3.12E+03	0.00E+00	1.46E+04	0.00E+00	6.51E+03	0.00E+00
CM-244	3.80E+04	3.56E+04	2.39E+03	0.00E+00	1.12E+04	0.00E+00	6.29E+03	0.00E+00
CM-245	7.82E+04	6.81E+04	4.80E+03	0.00E+00	2.24E+04	0.00E+00	5.87E+03	0.00E+00
CM-246	7.75E+04	6.80E+04	4.79E+03	0.00E+00	2.23E+04	0.00E+00	5.76E+03	0.00E+00
CM-247	7.56E+04	6.70E+04	4.73E+03	0.00E+00	2.20E+04	0.00E+00	7.58E+03	0.00E+00
CM-248	6.28E+05	5.53E+05	3.89E+04	0.00E+00	1.82E+05	0.00E+00	1.23E+05	0.00E+00
CF-252	2.17E+04	0.00E+00	5.24E+02	0.00E+00	0.00E+00	0.00E+00	2.40E+04	0.00E+00

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Infant Fish A_{ft} mrem*mL/hr* μ Ci

<u>Nuclide</u>	<u>Bone</u>	<u>Liver</u>	<u>T Body</u>	<u>Thyroid</u>	<u>Kidney</u>	<u>Lung</u>	<u>GI-LLI</u>	<u>Skin</u>
H-3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
C-14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
NA-22	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
NA-24	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
P-32	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CA-41	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
SC-46	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CR-51	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
MN-54	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
FE-55	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
MN-56	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CO-57	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CO-58	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
FE-59	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CO-60	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
NI-59	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
NI-63	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CU-64	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
NI-65	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ZN-65	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ZN-69m	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ZN-69	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
SE-79	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
BR-82	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
BR-83	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
BR-84	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
BR-85	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RB-86	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RB-87	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RB-88	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RB-89	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
SR-89	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
SR-90	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Y-90	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
SR-91	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Y-91m	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Y-91	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Table 4-20 (Page 2 of 4)

Infant Fish A_{it} mrem*mL/hr* μ Ci

<u>Nuclide</u>	<u>Bone</u>	<u>Liver</u>	<u>T Body</u>	<u>Thyroid</u>	<u>Kidney</u>	<u>Lung</u>	<u>GI-LLI</u>	<u>Skin</u>
SR-92	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Y-92	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Y-93	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
NB-93m	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
NB-95	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
NB-97	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ZR-93	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ZR-95	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ZR-97	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
MO-93	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
MO-99	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TC-99	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TC-99m	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TC-101	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RU-103	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RU-105	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RU-106	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RH-105	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
PD-107	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
PD-109	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
AG-110m	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
AG-111	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CD-113m	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CD-115m	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
SN-123	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
SN-125	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
SN-126	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
SB-124	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
SB-125	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
SB-126	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
SB-127	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TE-125m	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TE-127m	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TE-127	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TE-129m	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TE-129	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TE-133m	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Table 4-20 (Page 3 of 4)

Infant Fish A_{it} mrem*mL/hr* μ Ci

<u>Nuclide</u>	<u>Bone</u>	<u>Liver</u>	<u>T Body</u>	<u>Thyroid</u>	<u>Kidney</u>	<u>Lung</u>	<u>GI-LLI</u>	<u>Skin</u>
TE-134	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
I-129	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
I-130	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
I-131	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TE-131m	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TE-131	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
I-132	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TE-132	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
I-133	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CS-134m	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CS-134	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
I-134	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
I-135	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CS-135	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CS-136	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CS-137	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CS-138	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CS-139	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
BA-139	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
BA-140	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
LA-140	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
BA-141	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
LA-141	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CE-141	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
BA-142	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
LA-142	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CE-143	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
PR-143	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CE-144	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
PR-144	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ND-147	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
PM-147	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
PM-148m	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
PM-148	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
PM-149	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
PM-151	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
SM-151	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Table 4-20 (Page 4 of 4)

Infant Fish A_{it} mrem*mL/hr* μ Ci

<u>Nuclide</u>	<u>Bone</u>	<u>Liver</u>	<u>T Body</u>	<u>Thyroid</u>	<u>Kidney</u>	<u>Lung</u>	<u>GI-LLI</u>	<u>Skin</u>
SM-153	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
EU-152	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
EU-154	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
EU-155	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
EU-156	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TB-160	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
HO-166m	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
W-181	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
W-185	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
W-187	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
NP-239	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
U-232	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
U-233	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
U-234	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
U-235	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
U-236	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
U-237	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
U-238	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
NP-237	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
NP-238	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
PU-238	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
PU-239	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
PU-240	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
PU-241	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
PU-242	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
PU-244	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
AM-241	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
AM-242m	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
AM-243	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CM-242	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CM-243	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CM-244	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CM-245	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CM-246	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CM-247	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CM-248	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
CF-252	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Table 4-21 (Page 1 of 4)

Child Fish A_{it} mrem*mL/hr* μ Ci

Nuclide	Bone	Liver	T Body	Thyroid	Kidney	Lung	GI-LLI	Skin
H-3	0.00E+00	8.22E-02	8.22E-02	8.22E-02	8.22E-02	8.22E-02	8.22E-02	0.00E+00
C-14	4.38E+04	8.77E+03	8.77E+03	8.77E+03	8.77E+03	8.77E+03	8.77E+03	0.00E+00
NA-22	4.63E+03	4.63E+03	4.63E+03	4.63E+03	4.63E+03	4.63E+03	4.63E+03	0.00E+00
NA-24	1.51E+02	1.51E+02	1.51E+02	1.51E+02	1.51E+02	1.51E+02	1.51E+02	0.00E+00
P-32	1.86E+06	8.69E+04	7.16E+04	0.00E+00	0.00E+00	0.00E+00	5.13E+04	0.00E+00
CA-41	1.09E+04	0.00E+00	1.19E+03	0.00E+00	0.00E+00	0.00E+00	5.99E+00	0.00E+00
SC-46	3.08E-02	4.22E-02	1.62E-02	0.00E+00	3.73E-02	0.00E+00	6.17E+01	0.00E+00
CR-51	0.00E+00	0.00E+00	1.37E+00	7.59E-01	2.07E-01	1.39E+00	7.25E+01	0.00E+00
MN-54	0.00E+00	3.36E+03	8.96E+02	0.00E+00	9.43E+02	0.00E+00	2.82E+03	0.00E+00
FE-55	9.05E+02	4.80E+02	1.49E+02	0.00E+00	0.00E+00	2.72E+02	8.89E+01	0.00E+00
MN-56	0.00E+00	1.66E-01	3.75E-02	0.00E+00	2.01E-01	0.00E+00	2.41E+01	0.00E+00
CO-57	0.00E+00	1.94E+01	3.92E+01	0.00E+00	0.00E+00	0.00E+00	1.59E+02	0.00E+00
CO-58	0.00E+00	7.02E+01	2.15E+02	0.00E+00	0.00E+00	0.00E+00	4.09E+02	0.00E+00
FE-59	1.28E+03	2.07E+03	1.03E+03	0.00E+00	0.00E+00	6.00E+02	2.16E+03	0.00E+00
CO-60	0.00E+00	2.08E+02	6.14E+02	0.00E+00	0.00E+00	0.00E+00	1.15E+03	0.00E+00
NI-59	3.17E+03	8.43E+02	5.37E+02	0.00E+00	0.00E+00	0.00E+00	5.59E+01	0.00E+00
NI-63	4.24E+04	2.27E+03	1.44E+03	0.00E+00	0.00E+00	0.00E+00	1.53E+02	0.00E+00
CU-64	0.00E+00	2.60E+00	1.57E+00	0.00E+00	6.29E+00	0.00E+00	1.22E+02	0.00E+00
NI-65	2.38E-01	2.24E-02	1.31E-02	0.00E+00	0.00E+00	0.00E+00	2.74E+00	0.00E+00
ZN-65	2.15E+04	5.73E+04	3.57E+04	0.00E+00	3.61E+04	0.00E+00	1.01E+04	0.00E+00
ZN-69m	3.34E+02	5.69E+02	6.72E+01	0.00E+00	3.30E+02	0.00E+00	1.85E+04	0.00E+00
ZN-69	1.10E-06	1.59E-06	1.47E-07	0.00E+00	9.67E-07	0.00E+00	1.00E-04	0.00E+00
SE-79	0.00E+00	1.13E+03	2.50E+02	0.00E+00	1.83E+03	0.00E+00	7.40E+01	0.00E+00
BR-82	0.00E+00	0.00E+00	1.56E+03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
BR-83	0.00E+00	0.00E+00	5.37E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
BR-84	0.00E+00	0.00E+00	1.53E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
BR-85	0.00E+00	0.00E+00	1.84E-151	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RB-86	0.00E+00	1.02E+05	6.25E+04	0.00E+00	0.00E+00	0.00E+00	6.54E+03	0.00E+00
RB-87	0.00E+00	6.22E+04	2.88E+04	0.00E+00	0.00E+00	0.00E+00	9.33E+02	0.00E+00
RB-88	0.00E+00	1.33E-22	9.22E-23	0.00E+00	0.00E+00	0.00E+00	6.51E-24	0.00E+00
RB-89	0.00E+00	1.55E-26	1.38E-26	0.00E+00	0.00E+00	0.00E+00	1.35E-28	0.00E+00
SR-89	3.08E+04	0.00E+00	8.79E+02	0.00E+00	0.00E+00	0.00E+00	1.19E+03	0.00E+00
SR-90	6.05E+05	0.00E+00	1.22E+04	0.00E+00	0.00E+00	0.00E+00	5.41E+03	0.00E+00
Y-90	6.24E-01	0.00E+00	1.67E-02	0.00E+00	0.00E+00	0.00E+00	1.78E+03	0.00E+00
SR-91	9.84E+01	0.00E+00	3.72E+00	0.00E+00	0.00E+00	0.00E+00	2.17E+02	0.00E+00
Y-91m	1.43E-11	0.00E+00	5.21E-13	0.00E+00	0.00E+00	0.00E+00	2.81E-08	0.00E+00
Y-91	1.17E+01	0.00E+00	3.13E-01	0.00E+00	0.00E+00	0.00E+00	1.56E+03	0.00E+00

Table 4-21 (Page 2 of 4)

Child Fish A_{it} mrem*mL/hr* μ Ci

<u>Nuclide</u>	<u>Bone</u>	<u>Liver</u>	<u>T Body</u>	<u>Thyroid</u>	<u>Kidney</u>	<u>Lung</u>	<u>GI-LLI</u>	<u>Skin</u>
SR-92	4.60E-01	0.00E+00	1.85E-02	0.00E+00	0.00E+00	0.00E+00	8.72E+00	0.00E+00
Y-92	6.45E-04	0.00E+00	1.85E-05	0.00E+00	0.00E+00	0.00E+00	1.86E+01	0.00E+00
Y-93	4.32E-02	0.00E+00	1.19E-03	0.00E+00	0.00E+00	0.00E+00	6.45E+02	0.00E+00
NB-93m	2.48E+03	6.19E+02	2.03E+02	0.00E+00	6.69E+02	0.00E+00	9.33E+04	0.00E+00
NB-95	5.21E+02	2.03E+02	1.45E+02	0.00E+00	1.91E+02	0.00E+00	3.75E+05	0.00E+00
NB-97	4.99E-06	9.01E-07	4.20E-07	0.00E+00	9.99E-07	0.00E+00	2.78E-01	0.00E+00
ZR-93	4.34E-01	1.62E-01	1.16E-01	0.00E+00	6.29E-01	0.00E+00	6.16E+01	0.00E+00
ZR-95	2.98E-01	6.56E-02	5.84E-02	0.00E+00	9.39E-02	0.00E+00	6.84E+01	0.00E+00
ZR-97	6.79E-03	9.81E-04	5.79E-04	0.00E+00	1.41E-03	0.00E+00	1.49E+02	0.00E+00
MO-93	0.00E+00	1.90E+02	6.81E+00	0.00E+00	5.00E+01	0.00E+00	9.61E+00	0.00E+00
MO-99	0.00E+00	8.14E+01	2.01E+01	0.00E+00	1.74E+02	0.00E+00	6.73E+01	0.00E+00
TC-99	6.32E+00	7.04E+00	2.53E+00	0.00E+00	8.29E+01	6.23E-01	7.38E+01	0.00E+00
TC-99m	6.88E-04	1.35E-03	2.24E-02	0.00E+00	1.96E-02	6.85E-04	7.68E-01	0.00E+00
TC-101	3.76E-33	3.93E-33	4.99E-32	0.00E+00	6.71E-32	2.08E-33	1.25E-32	0.00E+00
RU-103	5.66E+00	0.00E+00	2.17E+00	0.00E+00	1.42E+01	0.00E+00	1.46E+02	0.00E+00
RU-105	1.20E-02	0.00E+00	4.35E-03	0.00E+00	1.05E-01	0.00E+00	7.82E+00	0.00E+00
RU-106	9.20E+01	0.00E+00	1.15E+01	0.00E+00	1.24E+02	0.00E+00	1.43E+03	0.00E+00
RH-105	2.53E+00	1.36E+00	1.16E+00	0.00E+00	5.41E+00	0.00E+00	8.41E+01	0.00E+00
PD-107	0.00E+00	3.72E+00	3.16E-01	0.00E+00	3.11E+01	0.00E+00	7.38E+00	0.00E+00
PD-109	0.00E+00	1.30E+00	3.89E-01	0.00E+00	6.95E+00	0.00E+00	7.66E+01	0.00E+00
AG-110m	9.74E-01	6.58E-01	5.26E-01	0.00E+00	1.22E+00	0.00E+00	7.82E+01	0.00E+00
AG-111	4.09E-01	1.28E-01	8.45E-02	0.00E+00	3.86E-01	0.00E+00	7.84E+01	0.00E+00
CD-113m	0.00E+00	1.61E+03	6.84E+01	0.00E+00	1.65E+03	0.00E+00	4.14E+03	0.00E+00
CD-115m	0.00E+00	9.14E+02	3.89E+01	0.00E+00	6.79E+02	0.00E+00	1.24E+04	0.00E+00
SN-123	3.13E+05	3.88E+03	7.62E+03	4.11E+03	0.00E+00	0.00E+00	1.53E+05	0.00E+00
SN-125	7.81E+04	1.18E+03	3.50E+03	1.22E+03	0.00E+00	0.00E+00	2.42E+05	0.00E+00
SN-126	7.87E+05	9.81E+03	2.24E+04	2.69E+03	0.00E+00	0.00E+00	5.91E+04	0.00E+00
SB-124	8.64E+00	1.12E-01	3.03E+00	1.91E-02	0.00E+00	4.80E+00	5.40E+01	0.00E+00
SB-125	5.64E+00	4.34E-02	1.18E+00	5.22E-03	0.00E+00	3.14E+00	1.35E+01	0.00E+00
SB-126	3.28E+00	5.01E-02	1.18E+00	1.92E-02	0.00E+00	1.56E+00	6.61E+01	0.00E+00
SB-127	6.97E-01	1.08E-02	2.42E-01	7.76E-03	0.00E+00	3.03E-01	3.93E+01	0.00E+00
TE-125m	3.55E+03	9.62E+02	4.73E+02	9.96E+02	0.00E+00	0.00E+00	3.42E+03	0.00E+00
TE-127m	9.05E+03	2.44E+03	1.07E+03	2.16E+03	2.58E+04	0.00E+00	7.33E+03	0.00E+00
TE-127	2.50E+01	6.75E+00	5.37E+00	1.73E+01	7.13E+01	0.00E+00	9.78E+02	0.00E+00
TE-129m	1.50E+04	4.20E+03	2.33E+03	4.85E+03	4.41E+04	0.00E+00	1.83E+04	0.00E+00
TE-129	2.50E-05	6.97E-06	5.92E-06	1.78E-05	7.30E-05	0.00E+00	1.55E-03	0.00E+00
TE-133m	8.82E-07	3.57E-07	4.42E-07	6.84E-07	3.39E-06	0.00E+00	2.72E-05	0.00E+00

Table 4-21 (Page 3 of 4)

Child Fish A_{it} mrem*mL/hr* μ Ci

<u>Nuclide</u>	<u>Bone</u>	<u>Liver</u>	<u>T Body</u>	<u>Thyroid</u>	<u>Kidney</u>	<u>Lung</u>	<u>GI-LLI</u>	<u>Skin</u>
TE-134	1.73E-09	7.79E-10	1.04E-09	1.37E-09	7.21E-09	0.00E+00	7.91E-09	0.00E+00
I-129	1.64E+02	1.01E+02	9.00E+01	6.59E+04	1.70E+02	0.00E+00	5.07E+00	0.00E+00
I-130	8.98E+00	1.81E+01	9.35E+00	2.00E+03	2.71E+01	0.00E+00	8.49E+00	0.00E+00
I-131	1.86E+02	1.88E+02	1.07E+02	6.20E+04	3.08E+02	0.00E+00	1.67E+01	0.00E+00
TE-131m	1.30E+03	4.51E+02	4.80E+02	9.27E+02	4.36E+03	0.00E+00	1.83E+04	0.00E+00
TE-131	1.20E-16	3.65E-17	3.56E-17	9.16E-17	3.62E-16	0.00E+00	6.29E-16	0.00E+00
I-132	6.83E-03	1.25E-02	5.77E-03	5.82E-01	1.92E-02	0.00E+00	1.48E-02	0.00E+00
TE-132	2.57E+03	1.14E+03	1.38E+03	1.66E+03	1.06E+04	0.00E+00	1.15E+04	0.00E+00
I-133	3.14E+01	3.89E+01	1.47E+01	7.22E+03	6.48E+01	0.00E+00	1.57E+01	0.00E+00
CS-134m	4.29E-01	6.35E-01	4.15E-01	0.00E+00	3.35E-01	5.54E-02	8.03E-01	0.00E+00
CS-134	3.68E+05	6.04E+05	1.27E+05	0.00E+00	1.87E+05	6.72E+04	3.26E+03	0.00E+00
I-134	2.84E-08	5.28E-08	2.43E-08	1.21E-06	8.07E-08	0.00E+00	3.50E-08	0.00E+00
I-135	1.67E+00	3.00E+00	1.42E+00	2.66E+02	4.61E+00	0.00E+00	2.29E+00	0.00E+00
CS-135	1.31E+05	9.11E+04	9.34E+03	0.00E+00	3.21E+04	1.07E+04	6.82E+02	0.00E+00
CS-136	3.51E+04	9.65E+04	6.25E+04	0.00E+00	5.14E+04	7.67E+03	3.39E+03	0.00E+00
CS-137	5.15E+05	4.93E+05	7.28E+04	0.00E+00	1.61E+05	5.78E+04	3.09E+03	0.00E+00
CS-138	1.24E-11	1.72E-11	1.09E-11	0.00E+00	1.21E-11	1.30E-12	7.93E-12	0.00E+00
CS-139	1.75E-44	1.95E-44	9.35E-45	0.00E+00	1.46E-44	1.47E-45	1.75E-48	0.00E+00
BA-139	7.93E-06	4.23E-09	2.30E-07	0.00E+00	3.69E-09	2.49E-09	4.58E-04	0.00E+00
BA-140	2.48E+02	2.17E-01	1.45E+01	0.00E+00	7.07E-02	1.30E-01	1.26E+02	0.00E+00
LA-140	1.32E-01	4.60E-02	1.55E-02	0.00E+00	0.00E+00	0.00E+00	1.28E+03	0.00E+00
BA-141	1.18E-24	6.62E-28	3.85E-26	0.00E+00	5.73E-28	3.89E-27	6.74E-25	0.00E+00
LA-141	3.93E-04	9.16E-05	1.99E-05	0.00E+00	0.00E+00	0.00E+00	2.04E+01	0.00E+00
CE-141	3.06E-02	1.53E-02	2.27E-03	0.00E+00	6.69E-03	0.00E+00	1.90E+01	0.00E+00
BA-142	8.46E-42	6.09E-45	4.72E-43	0.00E+00	4.93E-45	3.58E-45	1.10E-43	0.00E+00
LA-142	2.95E-07	9.40E-08	2.94E-08	0.00E+00	0.00E+00	0.00E+00	1.86E-02	0.00E+00
CE-143	3.33E-03	1.80E+00	2.61E-04	0.00E+00	7.57E-04	0.00E+00	2.64E+01	0.00E+00
PR-143	7.35E-01	2.21E-01	3.65E-02	0.00E+00	1.20E-01	0.00E+00	7.93E+02	0.00E+00
CE-144	1.63E+00	5.12E-01	8.72E-02	0.00E+00	2.84E-01	0.00E+00	1.34E+02	0.00E+00
PR-144	2.08E-28	6.45E-29	1.05E-29	0.00E+00	3.41E-29	0.00E+00	1.39E-25	0.00E+00
ND-147	5.16E-01	4.18E-01	3.24E-02	0.00E+00	2.29E-01	0.00E+00	6.62E+02	0.00E+00
PM-147	6.26E+00	4.47E-01	2.40E-01	0.00E+00	7.89E-01	0.00E+00	1.81E+02	0.00E+00
PM-148m	1.99E+00	3.97E-01	3.97E-01	0.00E+00	5.89E-01	0.00E+00	1.12E+03	0.00E+00
PM-148	5.23E-01	6.28E-02	4.07E-02	0.00E+00	1.07E-01	0.00E+00	1.68E+03	0.00E+00
PM-149	9.34E-02	9.93E-03	5.38E-03	0.00E+00	1.76E-02	0.00E+00	6.78E+02	0.00E+00
PM-151	3.20E-02	3.89E-03	2.53E-03	0.00E+00	6.60E-03	0.00E+00	4.42E+02	0.00E+00
SM-151	5.04E+00	7.50E-01	2.36E-01	0.00E+00	7.76E-01	0.00E+00	1.09E+02	0.00E+00

Table 4-21 (Page 4 of 4)

Child Fish A_{it} mrem*mL/hr* μ Ci

<u>Nuclide</u>	<u>Bone</u>	<u>Liver</u>	<u>T Body</u>	<u>Thyroid</u>	<u>Kidney</u>	<u>Lung</u>	<u>GI-LLI</u>	<u>Skin</u>
SM-153	5.03E-02	3.13E-02	3.02E-03	0.00E+00	9.53E-03	0.00E+00	4.16E+02	0.00E+00
EU-152	1.21E+01	2.21E+00	2.62E+00	0.00E+00	9.31E+00	0.00E+00	3.62E+02	0.00E+00
EU-154	4.53E+01	4.08E+00	3.72E+00	0.00E+00	1.79E+01	0.00E+00	9.47E+02	0.00E+00
EU-155	9.49E+00	6.83E-01	5.35E-01	0.00E+00	2.56E+00	0.00E+00	1.71E+03	0.00E+00
EU-156	1.06E+00	5.66E-01	1.17E-01	0.00E+00	3.65E-01	0.00E+00	1.28E+03	0.00E+00
TB-160	3.24E+00	0.00E+00	4.02E-01	0.00E+00	9.63E-01	0.00E+00	7.18E+02	0.00E+00
HO-166m	2.13E+01	4.45E+00	3.76E+00	0.00E+00	6.34E+00	0.00E+00	1.97E-17	0.00E+00
W-181	3.98E+01	9.77E+00	1.34E+00	0.00E+00	0.00E+00	0.00E+00	3.56E+02	0.00E+00
W-185	1.62E+03	4.05E+02	5.67E+01	0.00E+00	0.00E+00	0.00E+00	1.51E+04	0.00E+00
W-187	2.02E+02	1.19E+02	5.36E+01	0.00E+00	0.00E+00	0.00E+00	1.68E+04	0.00E+00
NP-239	3.08E-02	2.21E-03	1.56E-03	0.00E+00	6.40E-03	0.00E+00	1.64E+02	0.00E+00
U-232	2.77E+04	0.00E+00	1.98E+03	0.00E+00	2.11E+03	0.00E+00	1.10E+02	0.00E+00
U-233	5.86E+03	0.00E+00	3.54E+02	0.00E+00	9.61E+02	0.00E+00	1.02E+02	0.00E+00
U-234	5.62E+03	0.00E+00	3.48E+02	0.00E+00	9.42E+02	0.00E+00	9.96E+01	0.00E+00
U-235	5.39E+03	0.00E+00	3.26E+02	0.00E+00	8.84E+02	0.00E+00	1.27E+02	0.00E+00
U-236	5.39E+03	0.00E+00	3.34E+02	0.00E+00	9.03E+02	0.00E+00	9.33E+01	0.00E+00
U-237	3.35E-01	0.00E+00	8.91E-02	0.00E+00	9.68E-01	0.00E+00	2.96E+01	0.00E+00
U-238	5.15E+03	0.00E+00	3.06E+02	0.00E+00	8.25E+02	0.00E+00	8.92E+01	0.00E+00
NP-237	1.76E+04	1.16E+03	7.71E+02	0.00E+00	4.77E+03	0.00E+00	6.43E+02	0.00E+00
NP-238	3.31E-01	6.70E-03	5.16E-03	0.00E+00	2.13E-02	0.00E+00	2.29E+02	0.00E+00
PU-238	3.28E+03	3.80E+02	8.71E+01	0.00E+00	3.17E+02	0.00E+00	2.07E+02	0.00E+00
PU-239	3.56E+03	3.80E+02	9.13E+01	0.00E+00	3.36E+02	0.00E+00	1.89E+02	0.00E+00
PU-240	3.53E+03	3.94E+02	9.13E+01	0.00E+00	3.36E+02	0.00E+00	1.92E+02	0.00E+00
PU-241	1.07E+02	4.36E+00	2.22E+00	0.00E+00	8.16E+00	0.00E+00	3.97E+00	0.00E+00
PU-242	3.28E+03	3.80E+02	8.79E+01	0.00E+00	3.23E+02	0.00E+00	1.85E+02	0.00E+00
PU-244	3.83E+03	4.36E+03	1.01E+02	0.00E+00	3.72E+02	0.00E+00	2.76E+02	0.00E+00
AM-241	2.68E+04	2.30E+04	2.01E+03	0.00E+00	1.23E+04	0.00E+00	1.50E+03	0.00E+00
AM-242m	2.76E+04	2.21E+04	2.05E+03	0.00E+00	1.24E+04	0.00E+00	1.89E+03	0.00E+00
AM-243	2.64E+04	2.23E+04	1.94E+03	0.00E+00	1.19E+04	0.00E+00	1.76E+03	0.00E+00
CM-242	1.72E+03	1.37E+03	1.15E+02	0.00E+00	3.67E+02	0.00E+00	1.60E+03	0.00E+00
CM-243	2.52E+04	2.05E+04	1.62E+03	0.00E+00	6.06E+03	0.00E+00	1.58E+03	0.00E+00
CM-244	2.13E+04	1.72E+04	1.36E+03	0.00E+00	5.00E+03	0.00E+00	1.53E+03	0.00E+00
CM-245	3.29E+04	2.64E+04	2.07E+03	0.00E+00	8.09E+03	0.00E+00	1.43E+03	0.00E+00
CM-246	3.25E+04	2.64E+04	2.07E+03	0.00E+00	8.07E+03	0.00E+00	1.40E+03	0.00E+00
CM-247	3.17E+04	2.60E+04	2.03E+03	0.00E+00	7.96E+03	0.00E+00	1.84E+03	0.00E+00
CM-248	2.64E+05	2.15E+05	1.68E+04	0.00E+00	6.56E+04	0.00E+00	2.97E+04	0.00E+00
CF-252	2.07E+04	0.00E+00	5.00E+02	0.00E+00	0.00E+00	0.00E+00	5.82E+03	0.00E+00

Table 4-22 (Page 1 of 4)

Teen Fish A_{it} mrem*mL/hr* μ Ci

<u>Nuclide</u>	<u>Bone</u>	<u>Liver</u>	<u>T Body</u>	<u>Thyroid</u>	<u>Kidney</u>	<u>Lung</u>	<u>GI-LLI</u>	<u>Skin</u>
H-3	0.00E+00	9.93E-02	9.93E-02	9.93E-02	9.93E-02	9.93E-02	9.93E-02	0.00E+00
C-14	3.41E+04	6.82E+03	6.82E+03	6.82E+03	6.82E+03	6.82E+03	6.82E+03	0.00E+00
NA-22	4.27E+03	4.27E+03	4.27E+03	4.27E+03	4.27E+03	4.27E+03	4.27E+03	0.00E+00
NA-24	1.39E+02	1.39E+02	1.39E+02	1.39E+02	1.39E+02	1.39E+02	1.39E+02	0.00E+00
P-32	1.44E+06	8.93E+04	5.59E+04	0.00E+00	0.00E+00	0.00E+00	1.21E+05	0.00E+00
CA-41	1.44E+04	0.00E+00	1.56E+03	0.00E+00	0.00E+00	0.00E+00	1.42E+01	0.00E+00
SC-46	2.62E-02	5.11E-02	1.51E-02	0.00E+00	4.89E-02	0.00E+00	1.74E+02	0.00E+00
CR-51	0.00E+00	0.00E+00	1.28E+00	7.13E-01	2.81E-01	1.83E+00	2.16E+02	0.00E+00
MN-54	0.00E+00	4.30E+03	8.53E+02	0.00E+00	1.28E+03	0.00E+00	8.82E+03	0.00E+00
FE-55	6.90E+02	4.89E+02	1.14E+02	0.00E+00	0.00E+00	3.10E+02	2.12E+02	0.00E+00
MN-56	0.00E+00	1.82E-01	3.24E-02	0.00E+00	2.31E-01	0.00E+00	1.20E+01	0.00E+00
CO-57	0.00E+00	2.17E+01	3.63E+01	0.00E+00	0.00E+00	0.00E+00	4.04E+02	0.00E+00
CO-58	0.00E+00	8.79E+01	2.03E+02	0.00E+00	0.00E+00	0.00E+00	1.21E+03	0.00E+00
FE-59	1.06E+03	2.46E+03	9.51E+02	0.00E+00	0.00E+00	7.77E+02	5.83E+03	0.00E+00
CO-60	0.00E+00	2.57E+02	5.78E+02	0.00E+00	0.00E+00	0.00E+00	3.34E+03	0.00E+00
NI-59	2.41E+03	8.51E+02	4.09E+02	0.00E+00	0.00E+00	0.00E+00	1.34E+02	0.00E+00
NI-63	3.23E+04	2.28E+03	1.10E+03	0.00E+00	0.00E+00	0.00E+00	3.63E+02	0.00E+00
CU-64	0.00E+00	2.83E+00	1.33E+00	0.00E+00	7.17E+00	0.00E+00	2.20E+02	0.00E+00
NI-65	1.86E-01	2.37E-02	1.08E-02	0.00E+00	0.00E+00	0.00E+00	1.29E+00	0.00E+00
ZN-65	2.10E+04	7.29E+04	3.40E+04	0.00E+00	4.66E+04	0.00E+00	3.09E+04	0.00E+00
ZN-69m	2.62E+02	6.17E+02	5.66E+01	0.00E+00	3.75E+02	0.00E+00	3.39E+04	0.00E+00
ZN-69	8.58E-07	1.63E-06	1.14E-07	0.00E+00	1.07E-06	0.00E+00	3.01E-06	0.00E+00
SE-79	0.00E+00	1.16E+03	1.95E+02	0.00E+00	2.02E+03	0.00E+00	1.77E+02	0.00E+00
BR-82	0.00E+00	0.00E+00	1.46E+03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
BR-83	0.00E+00	0.00E+00	4.18E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
BR-84	0.00E+00	0.00E+00	1.29E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
BR-85	0.00E+00	0.00E+00	1.43E-151	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RB-86	0.00E+00	1.05E+05	4.93E+04	0.00E+00	0.00E+00	0.00E+00	1.55E+04	0.00E+00
RB-87	0.00E+00	6.39E+04	2.23E+04	0.00E+00	0.00E+00	0.00E+00	2.23E+03	0.00E+00
RB-88	0.00E+00	1.38E-22	7.36E-23	0.00E+00	0.00E+00	0.00E+00	1.18E-29	0.00E+00
RB-89	0.00E+00	1.69E-26	1.19E-26	0.00E+00	0.00E+00	0.00E+00	2.59E-35	0.00E+00
SR-89	2.38E+04	0.00E+00	6.81E+02	0.00E+00	0.00E+00	0.00E+00	2.83E+03	0.00E+00
SR-90	5.59E+05	0.00E+00	1.12E+04	0.00E+00	0.00E+00	0.00E+00	1.28E+04	0.00E+00
Y-90	4.83E-01	0.00E+00	1.30E-02	0.00E+00	0.00E+00	0.00E+00	3.98E+03	0.00E+00
SR-91	7.68E+01	0.00E+00	3.05E+00	0.00E+00	0.00E+00	0.00E+00	3.48E+02	0.00E+00
Y-91m	1.12E-11	0.00E+00	4.29E-13	0.00E+00	0.00E+00	0.00E+00	5.30E-10	0.00E+00
Y-91	9.07E+00	0.00E+00	2.43E-01	0.00E+00	0.00E+00	0.00E+00	3.72E+03	0.00E+00

Table 4-22 (Page 2 of 4)

Teen Fish A_{it} mrem*mL/hr* μ Ci

<u>Nuclide</u>	<u>Bone</u>	<u>Liver</u>	<u>T Body</u>	<u>Thyroid</u>	<u>Kidney</u>	<u>Lung</u>	<u>GI-LLI</u>	<u>Skin</u>
SR-92	3.61E-01	0.00E+00	1.54E-02	0.00E+00	0.00E+00	0.00E+00	9.19E+00	0.00E+00
Y-92	5.03E-04	0.00E+00	1.45E-05	0.00E+00	0.00E+00	0.00E+00	1.38E+01	0.00E+00
Y-93	3.37E-02	0.00E+00	9.23E-04	0.00E+00	0.00E+00	0.00E+00	1.03E+03	0.00E+00
NB-93m	1.88E+03	6.19E+02	1.55E+02	0.00E+00	7.23E+02	0.00E+00	2.23E+05	0.00E+00
NB-95	4.42E+02	2.45E+02	1.35E+02	0.00E+00	2.37E+02	0.00E+00	1.05E+06	0.00E+00
NB-97	3.93E-06	9.75E-07	3.56E-07	0.00E+00	1.14E-06	0.00E+00	2.33E-02	0.00E+00
ZR-93	3.33E-01	1.65E-01	8.98E-02	0.00E+00	5.82E-01	0.00E+00	1.56E+02	0.00E+00
ZR-95	2.46E-01	7.75E-02	5.33E-02	0.00E+00	1.14E-01	0.00E+00	1.79E+02	0.00E+00
ZR-97	5.34E-03	1.06E-03	4.87E-04	0.00E+00	1.60E-03	0.00E+00	2.86E+02	0.00E+00
MO-93	0.00E+00	1.94E+02	5.30E+00	0.00E+00	5.55E+01	0.00E+00	2.36E+01	0.00E+00
MO-99	0.00E+00	8.56E+01	1.63E+01	0.00E+00	1.96E+02	0.00E+00	1.53E+02	0.00E+00
TC-99	4.90E+00	7.21E+00	1.96E+00	0.00E+00	9.15E+01	7.45E-01	1.76E+02	0.00E+00
TC-99m	5.74E-04	1.60E-03	2.07E-02	0.00E+00	2.38E-02	8.88E-04	1.05E+00	0.00E+00
TC-101	2.93E-33	4.17E-33	4.10E-32	0.00E+00	7.54E-32	2.54E-33	7.12E-40	0.00E+00
RU-103	4.58E+00	0.00E+00	1.96E+00	0.00E+00	1.61E+01	0.00E+00	3.82E+02	0.00E+00
RU-105	9.39E-03	0.00E+00	3.65E-03	0.00E+00	1.19E-01	0.00E+00	7.58E+00	0.00E+00
RU-106	7.15E+01	0.00E+00	9.01E+00	0.00E+00	1.38E+02	0.00E+00	3.43E+03	0.00E+00
RH-105	1.97E+00	1.43E+00	9.36E-01	0.00E+00	6.06E+00	0.00E+00	1.81E+02	0.00E+00
PD-107	0.00E+00	3.80E+00	2.45E-01	0.00E+00	3.43E+01	0.00E+00	1.76E+01	0.00E+00
PD-109	0.00E+00	1.33E+00	3.02E-01	0.00E+00	7.69E+00	0.00E+00	1.34E+02	0.00E+00
AG-110m	8.59E-01	8.13E-01	4.94E-01	0.00E+00	1.55E+00	0.00E+00	2.28E+02	0.00E+00
AG-111	3.17E-01	1.32E-01	6.62E-02	0.00E+00	4.29E-01	0.00E+00	1.84E+02	0.00E+00
CD-113m	0.00E+00	1.65E+03	5.30E+01	0.00E+00	1.82E+03	0.00E+00	9.90E+03	0.00E+00
CD-115m	0.00E+00	9.35E+02	3.02E+01	0.00E+00	7.48E+02	0.00E+00	2.96E+04	0.00E+00
SN-123	2.42E+05	3.97E+03	5.89E+03	3.18E+03	0.00E+00	0.00E+00	3.66E+05	0.00E+00
SN-125	6.07E+04	1.21E+03	2.74E+03	9.48E+02	0.00E+00	0.00E+00	5.71E+05	0.00E+00
SN-126	6.36E+05	1.18E+04	1.81E+04	3.12E+03	0.00E+00	0.00E+00	1.41E+05	0.00E+00
SB-124	6.99E+00	1.29E-01	2.73E+00	1.59E-02	0.00E+00	6.10E+00	1.41E+02	0.00E+00
SB-125	4.53E+00	4.95E-02	1.06E+00	4.33E-03	0.00E+00	3.98E+00	3.52E+01	0.00E+00
SB-126	2.75E+00	5.61E-02	9.86E-01	1.55E-02	0.00E+00	1.97E+00	1.63E+02	0.00E+00
SB-127	5.54E-01	1.18E-02	2.09E-01	6.22E-03	0.00E+00	3.77E-01	9.40E+01	0.00E+00
TE-125m	2.76E+03	9.96E+02	3.70E+02	7.72E+02	0.00E+00	0.00E+00	8.16E+03	0.00E+00
TE-127m	7.02E+03	2.49E+03	8.35E+02	1.67E+03	2.85E+04	0.00E+00	1.75E+04	0.00E+00
TE-127	1.95E+01	6.91E+00	4.19E+00	1.34E+01	7.89E+01	0.00E+00	1.50E+03	0.00E+00
TE-129m	1.17E+04	4.33E+03	1.85E+03	3.76E+03	4.88E+04	0.00E+00	4.38E+04	0.00E+00
TE-129	1.94E-05	7.21E-06	4.71E-06	1.38E-05	8.12E-05	0.00E+00	1.06E-04	0.00E+00
TE-133m	7.05E-07	4.00E-07	3.90E-07	5.59E-07	3.96E-06	0.00E+00	1.62E-06	0.00E+00

Table 4-22 (Page 3 of 4)

Teen Fish A_{it} mrem*mL/hr* μ Ci

<u>Nuclide</u>	<u>Bone</u>	<u>Liver</u>	<u>T Body</u>	<u>Thyroid</u>	<u>Kidney</u>	<u>Lung</u>	<u>GI-LLI</u>	<u>Skin</u>
TE-134	1.39E-09	8.94E-10	9.34E-10	1.14E-09	8.53E-09	0.00E+00	5.17E-11	0.00E+00
I-129	1.28E+02	1.07E+02	1.79E+02	1.31E+05	1.92E+02	0.00E+00	1.25E+01	0.00E+00
I-130	7.35E+00	2.13E+01	8.49E+00	1.73E+03	3.27E+01	0.00E+00	1.63E+01	0.00E+00
I-131	1.47E+02	2.06E+02	1.11E+02	6.01E+04	3.54E+02	0.00E+00	4.07E+01	0.00E+00
TE-131m	1.02E+03	4.91E+02	4.10E+02	7.39E+02	5.12E+03	0.00E+00	3.94E+04	0.00E+00
TE-131	9.33E-17	3.85E-17	2.92E-17	7.19E-17	4.08E-16	0.00E+00	7.66E-18	0.00E+00
I-132	5.52E-03	1.44E-02	5.19E-03	4.87E-01	2.28E-02	0.00E+00	6.29E-03	0.00E+00
TE-132	2.06E+03	1.31E+03	1.23E+03	1.38E+03	1.25E+04	0.00E+00	4.13E+04	0.00E+00
I-133	2.47E+01	4.20E+01	1.28E+01	5.86E+03	7.36E+01	0.00E+00	3.18E+01	0.00E+00
CS-134m	3.47E-01	7.18E-01	3.69E-01	0.00E+00	4.00E-01	7.01E-02	4.77E-01	0.00E+00
CS-134	3.05E+05	7.19E+05	3.34E+05	0.00E+00	2.28E+05	8.72E+04	8.94E+03	0.00E+00
I-134	2.30E-08	6.09E-08	2.19E-08	1.01E-06	9.59E-08	0.00E+00	8.02E-10	0.00E+00
I-135	1.35E+00	3.47E+00	1.29E+00	2.23E+02	5.48E+00	0.00E+00	3.85E+00	0.00E+00
CS-135	1.02E+05	9.32E+04	2.18E+04	0.00E+00	3.55E+04	1.29E+04	1.63E+03	0.00E+00
CS-136	2.98E+04	1.17E+05	7.87E+04	0.00E+00	6.38E+04	1.01E+04	9.43E+03	0.00E+00
CS-137	4.09E+05	5.44E+05	1.90E+05	0.00E+00	1.85E+05	7.20E+04	7.74E+03	0.00E+00
CS-138	9.78E-12	1.88E-11	9.39E-12	0.00E+00	1.39E-11	1.61E-12	8.52E-15	0.00E+00
CS-139	1.36E-44	2.01E-44	7.37E-45	0.00E+00	1.62E-44	1.78E-45	9.33E-60	0.00E+00
BA-139	6.17E-06	4.34E-09	1.80E-07	0.00E+00	4.09E-09	2.99E-09	5.50E-05	0.00E+00
BA-140	1.97E+02	2.41E-01	1.27E+01	0.00E+00	8.17E-02	1.62E-01	3.03E+02	0.00E+00
LA-140	1.05E-01	5.16E-02	1.37E-02	0.00E+00	0.00E+00	0.00E+00	2.97E+03	0.00E+00
BA-141	9.20E-25	6.87E-28	3.07E-26	0.00E+00	6.38E-28	4.70E-28	1.96E-30	0.00E+00
LA-141	3.05E-04	9.38E-05	1.55E-05	0.00E+00	0.00E+00	0.00E+00	1.66E+01	0.00E+00
CE-141	2.38E-02	1.59E-02	1.82E-03	0.00E+00	7.47E-03	0.00E+00	4.54E+01	0.00E+00
BA-142	6.71E-42	6.71E-45	4.13E-43	0.00E+00	5.68E-45	4.47E-45	2.06E-53	0.00E+00
LA-142	2.34E-07	1.04E-07	2.58E-08	0.00E+00	0.00E+00	0.00E+00	3.16E-03	0.00E+00
CE-143	2.59E-03	1.89E+00	2.11E-04	0.00E+00	8.46E-04	0.00E+00	5.67E+01	0.00E+00
PR-143	5.68E-01	2.27E-01	2.83E-02	0.00E+00	1.32E-01	0.00E+00	1.87E+03	0.00E+00
CE-144	1.27E+00	5.25E-01	6.81E-02	0.00E+00	3.13E-01	0.00E+00	3.19E+02	0.00E+00
PR-144	1.61E-28	6.60E-29	8.17E-30	0.00E+00	3.78E-29	0.00E+00	1.78E-31	0.00E+00
ND-147	4.02E-01	4.37E-01	2.62E-02	0.00E+00	2.57E-01	0.00E+00	1.58E+03	0.00E+00
PM-147	4.79E+00	4.54E-01	1.85E-01	0.00E+00	8.67E-01	0.00E+00	4.32E+02	0.00E+00
PM-148m	1.86E+00	4.71E-01	3.69E-01	0.00E+00	7.14E-01	0.00E+00	2.97E+03	0.00E+00
PM-148	4.09E-01	6.66E-02	3.36E-02	0.00E+00	1.20E-01	0.00E+00	3.97E+03	0.00E+00
PM-149	7.24E-02	1.02E-02	4.17E-03	0.00E+00	1.94E-02	0.00E+00	1.50E+03	0.00E+00
PM-151	2.51E-02	4.14E-03	2.10E-03	0.00E+00	7.45E-03	0.00E+00	9.30E+02	0.00E+00
SM-151	3.99E+00	7.67E-01	1.80E-01	0.00E+00	8.40E-01	0.00E+00	2.60E+02	0.00E+00

Table 4-22 (Page 4 of 4)

Teen Fish A_{it} mrem*mL/hr* μ Ci

<u>Nuclide</u>	<u>Bone</u>	<u>Liver</u>	<u>T Body</u>	<u>Thyroid</u>	<u>Kidney</u>	<u>Lung</u>	<u>GI-LLI</u>	<u>Skin</u>
SM-153	3.90E-02	3.23E-02	2.38E-03	0.00E+00	1.06E-02	0.00E+00	9.11E+02	0.00E+00
EU-152	1.12E+01	2.69E+00	2.37E+00	0.00E+00	1.25E+01	0.00E+00	9.91E+02	0.00E+00
EU-154	3.61E+01	4.66E+00	3.28E+00	0.00E+00	2.08E+01	0.00E+00	2.46E+03	0.00E+00
EU-155	7.94E+00	7.67E-01	4.75E-01	0.00E+00	3.00E+00	0.00E+00	4.40E+03	0.00E+00
EU-156	8.38E-01	6.28E-01	1.03E-01	0.00E+00	4.23E-01	0.00E+00	3.21E+03	0.00E+00
TB-160	2.93E+00	0.00E+00	3.65E-01	0.00E+00	1.16E+00	0.00E+00	1.89E+03	0.00E+00
HO-166m	1.63E+01	5.02E+00	3.63E+00	0.00E+00	7.35E+00	0.00E+00	4.57E-17	0.00E+00
W-181	3.09E+01	9.98E+00	1.04E+00	0.00E+00	0.00E+00	0.00E+00	8.50E+02	0.00E+00
W-185	1.26E+03	4.15E+02	4.39E+01	0.00E+00	0.00E+00	0.00E+00	3.58E+04	0.00E+00
W-187	1.59E+02	1.30E+02	4.55E+01	0.00E+00	0.00E+00	0.00E+00	3.51E+04	0.00E+00
NP-239	2.39E-02	2.26E-03	1.25E-03	0.00E+00	7.09E-03	0.00E+00	3.63E+02	0.00E+00
U-232	2.15E+04	0.00E+00	1.54E+03	0.00E+00	2.33E+03	0.00E+00	2.63E+02	0.00E+00
U-233	4.53E+03	0.00E+00	2.75E+02	0.00E+00	1.06E+03	0.00E+00	2.43E+02	0.00E+00
U-234	4.35E+03	0.00E+00	2.70E+02	0.00E+00	1.04E+03	0.00E+00	2.38E+02	0.00E+00
U-235	4.16E+03	0.00E+00	2.54E+02	0.00E+00	9.75E+02	0.00E+00	3.02E+02	0.00E+00
U-236	4.16E+03	0.00E+00	2.59E+02	0.00E+00	9.97E+02	0.00E+00	2.23E+02	0.00E+00
U-237	2.60E-01	0.00E+00	6.92E-02	0.00E+00	1.07E+00	0.00E+00	6.89E+01	0.00E+00
U-238	3.98E+03	0.00E+00	2.37E+02	0.00E+00	9.13E+02	0.00E+00	2.13E+02	0.00E+00
NP-237	2.43E+04	1.74E+03	1.07E+03	0.00E+00	7.91E+03	0.00E+00	1.54E+03	0.00E+00
NP-238	2.57E-01	6.87E-03	4.00E-03	0.00E+00	2.36E-02	0.00E+00	5.04E+02	0.00E+00
PU-238	4.28E+03	5.48E+02	1.16E+02	0.00E+00	4.99E+02	0.00E+00	4.94E+02	0.00E+00
PU-239	4.89E+03	5.94E+02	1.28E+02	0.00E+00	5.48E+02	0.00E+00	4.51E+02	0.00E+00
PU-240	4.88E+03	5.93E+02	1.28E+02	0.00E+00	5.47E+02	0.00E+00	4.60E+02	0.00E+00
PU-241	1.12E+02	5.37E+00	2.36E+00	0.00E+00	1.09E+01	0.00E+00	9.46E+00	0.00E+00
PU-242	4.53E+03	5.72E+02	1.24E+02	0.00E+00	5.27E+02	0.00E+00	4.42E+02	0.00E+00
PU-244	5.29E+03	6.52E+02	1.42E+02	0.00E+00	6.04E+02	0.00E+00	6.58E+02	0.00E+00
AM-241	3.64E+04	3.44E+04	2.63E+03	0.00E+00	1.97E+04	0.00E+00	3.59E+03	0.00E+00
AM-242m	3.68E+04	3.25E+04	2.65E+03	0.00E+00	1.96E+04	0.00E+00	4.52E+03	0.00E+00
AM-243	3.63E+04	3.36E+04	2.57E+03	0.00E+00	1.93E+04	0.00E+00	4.21E+03	0.00E+00
CM-242	1.34E+03	1.41E+03	8.87E+01	0.00E+00	4.04E+02	0.00E+00	3.82E+03	0.00E+00
CM-243	2.97E+04	2.75E+04	1.87E+03	0.00E+00	8.72E+03	0.00E+00	3.78E+03	0.00E+00
CM-244	2.30E+04	2.18E+04	1.46E+03	0.00E+00	6.80E+03	0.00E+00	3.65E+03	0.00E+00
CM-245	4.52E+04	3.98E+04	2.79E+03	0.00E+00	1.30E+04	0.00E+00	3.41E+03	0.00E+00
CM-246	4.48E+04	3.97E+04	2.78E+03	0.00E+00	1.30E+04	0.00E+00	3.35E+03	0.00E+00
CM-247	4.37E+04	3.91E+04	2.74E+03	0.00E+00	1.28E+04	0.00E+00	4.40E+03	0.00E+00
CM-248	3.63E+05	3.22E+05	2.26E+04	0.00E+00	1.05E+05	0.00E+00	7.08E+04	0.00E+00
CF-252	1.58E+04	0.00E+00	3.82E+02	0.00E+00	0.00E+00	0.00E+00	1.39E+04	0.00E+00

Table 4-23 (Page 1 of 4)

Adult Fish A_{ft} mrem*mL/hr* μ Ci

<u>Nuclide</u>	<u>Bone</u>	<u>Liver</u>	<u>T Body</u>	<u>Thyroid</u>	<u>Kidney</u>	<u>Lung</u>	<u>GI-LLI</u>	<u>Skin</u>
H-3	0.00E+00	1.29E-01	1.29E-01	1.29E-01	1.29E-01	1.29E-01	1.29E-01	0.00E+00
C-14	3.13E+04	6.26E+03	6.26E+03	6.26E+03	6.26E+03	6.26E+03	6.26E+03	0.00E+00
NA-22	4.17E+03	4.17E+03	4.17E+03	4.17E+03	4.17E+03	4.17E+03	4.17E+03	0.00E+00
NA-24	1.34E+02	1.34E+02	1.34E+02	1.34E+02	1.34E+02	1.34E+02	1.34E+02	0.00E+00
P-32	1.32E+06	8.22E+04	5.11E+04	0.00E+00	0.00E+00	0.00E+00	1.49E+05	0.00E+00
CA-41	1.77E+04	0.00E+00	1.92E+03	0.00E+00	0.00E+00	0.00E+00	1.76E+01	0.00E+00
SC-46	2.62E-02	5.09E-02	1.48E-02	0.00E+00	4.75E-02	0.00E+00	2.48E+02	0.00E+00
CR-51	0.00E+00	0.00E+00	1.24E+00	7.43E-01	2.74E-01	1.65E+00	3.13E+02	0.00E+00
MN-54	0.00E+00	4.37E+03	8.34E+02	0.00E+00	1.30E+03	0.00E+00	1.34E+04	0.00E+00
FE-55	6.59E+02	4.55E+02	1.06E+02	0.00E+00	0.00E+00	2.54E+02	2.61E+02	0.00E+00
MN-56	0.00E+00	1.74E-01	3.09E-02	0.00E+00	2.21E-01	0.00E+00	5.55E+00	0.00E+00
CO-57	0.00E+00	2.09E+01	3.48E+01	0.00E+00	0.00E+00	0.00E+00	5.31E+02	0.00E+00
CO-58	0.00E+00	8.84E+01	1.98E+02	0.00E+00	0.00E+00	0.00E+00	1.79E+03	0.00E+00
FE-59	1.02E+03	2.41E+03	9.23E+02	0.00E+00	0.00E+00	6.73E+02	8.03E+03	0.00E+00
CO-60	0.00E+00	2.56E+02	5.66E+02	0.00E+00	0.00E+00	0.00E+00	4.82E+03	0.00E+00
NI-59	2.34E+03	8.03E+02	3.91E+02	0.00E+00	0.00E+00	0.00E+00	1.65E+02	0.00E+00
NI-63	3.12E+04	2.16E+03	1.05E+03	0.00E+00	0.00E+00	0.00E+00	4.51E+02	0.00E+00
CU-64	0.00E+00	2.69E+00	1.26E+00	0.00E+00	6.79E+00	0.00E+00	2.30E+02	0.00E+00
NI-65	1.72E-01	2.23E-02	1.02E-02	0.00E+00	0.00E+00	0.00E+00	5.67E-01	0.00E+00
ZN-65	2.31E+04	7.36E+04	3.33E+04	0.00E+00	4.92E+04	0.00E+00	4.64E+04	0.00E+00
ZN-69m	2.43E+02	5.84E+02	5.34E+01	0.00E+00	3.53E+02	0.00E+00	3.56E+04	0.00E+00
ZN-69	7.89E-07	1.51E-06	1.05E-07	0.00E+00	9.81E-07	0.00E+00	2.27E-07	0.00E+00
SE-79	0.00E+00	1.07E+03	1.79E+02	0.00E+00	1.85E+03	0.00E+00	2.19E+02	0.00E+00
BR-82	0.00E+00	0.00E+00	1.42E+03	0.00E+00	0.00E+00	0.00E+00	1.63E+03	0.00E+00
BR-83	0.00E+00	0.00E+00	3.84E-02	0.00E+00	0.00E+00	0.00E+00	5.53E-02	0.00E+00
BR-84	0.00E+00	0.00E+00	1.23E-12	0.00E+00	0.00E+00	0.00E+00	9.62E-18	0.00E+00
BR-85	0.00E+00	0.00E+00	1.31E-151	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RB-86	0.00E+00	9.75E+04	4.54E+04	0.00E+00	0.00E+00	0.00E+00	1.92E+04	0.00E+00
RB-87	0.00E+00	5.90E+04	2.05E+04	0.00E+00	0.00E+00	0.00E+00	2.76E+03	0.00E+00
RB-88	0.00E+00	1.29E-22	6.83E-23	0.00E+00	0.00E+00	0.00E+00	1.78E-33	0.00E+00
RB-89	0.00E+00	1.62E-26	1.14E-26	0.00E+00	0.00E+00	0.00E+00	9.39E-40	0.00E+00
SR-89	2.18E+04	0.00E+00	6.27E+02	0.00E+00	0.00E+00	0.00E+00	3.50E+03	0.00E+00
SR-90	6.26E+05	0.00E+00	1.26E+04	0.00E+00	0.00E+00	0.00E+00	1.57E+04	0.00E+00
Y-90	4.45E-01	0.00E+00	1.19E-02	0.00E+00	0.00E+00	0.00E+00	4.72E+03	0.00E+00
SR-91	7.08E+01	0.00E+00	2.86E+00	0.00E+00	0.00E+00	0.00E+00	3.37E+02	0.00E+00
Y-91m	1.04E-11	0.00E+00	4.02E-13	0.00E+00	0.00E+00	0.00E+00	3.05E-11	0.00E+00
Y-91	8.35E+00	0.00E+00	2.23E-01	0.00E+00	0.00E+00	0.00E+00	4.60E+03	0.00E+00

Table 4-23 (Page 2 of 4)

Adult Fish A_{it} mrem*mL/hr* μ Ci

<u>Nuclide</u>	<u>Bone</u>	<u>Liver</u>	<u>T Body</u>	<u>Thyroid</u>	<u>Kidney</u>	<u>Lung</u>	<u>GI-LLI</u>	<u>Skin</u>
SR-92	3.34E-01	0.00E+00	1.44E-02	0.00E+00	0.00E+00	0.00E+00	6.61E+00	0.00E+00
Y-92	4.61E-04	0.00E+00	1.35E-05	0.00E+00	0.00E+00	0.00E+00	8.07E+00	0.00E+00
Y-93	3.09E-02	0.00E+00	8.54E-04	0.00E+00	0.00E+00	0.00E+00	9.81E+02	0.00E+00
NB-93m	1.83E+03	5.98E+02	1.47E+02	0.00E+00	6.88E+02	0.00E+00	2.76E+05	0.00E+00
NB-95	4.39E+02	2.44E+02	1.31E+02	0.00E+00	2.41E+02	0.00E+00	1.48E+06	0.00E+00
NB-97	3.65E-06	9.23E-07	3.37E-07	0.00E+00	1.08E-06	0.00E+00	3.40E-03	0.00E+00
ZR-93	3.31E-01	1.85E-02	8.62E-03	0.00E+00	7.02E-02	0.00E+00	1.92E+01	0.00E+00
ZR-95	2.38E-01	7.63E-02	5.17E-02	0.00E+00	1.20E-01	0.00E+00	2.42E+02	0.00E+00
ZR-97	4.97E-03	1.00E-03	4.58E-04	0.00E+00	1.51E-03	0.00E+00	3.10E+02	0.00E+00
MO-93	0.00E+00	1.80E+02	4.87E+00	0.00E+00	5.11E+01	0.00E+00	2.92E+01	0.00E+00
MO-99	0.00E+00	8.03E+01	1.53E+01	0.00E+00	1.82E+02	0.00E+00	1.86E+02	0.00E+00
TC-99	4.49E+00	6.69E+00	1.81E+00	0.00E+00	8.41E+01	5.68E-01	2.19E+02	0.00E+00
TC-99m	5.60E-04	1.58E-03	2.02E-02	0.00E+00	2.40E-02	7.76E-04	9.37E-01	0.00E+00
TC-101	2.71E-33	3.91E-33	3.84E-32	0.00E+00	7.04E-32	2.00E-33	1.18E-44	0.00E+00
RU-103	4.36E+00	0.00E+00	1.88E+00	0.00E+00	1.66E+01	0.00E+00	5.09E+02	0.00E+00
RU-105	8.71E-03	0.00E+00	3.44E-03	0.00E+00	1.13E-01	0.00E+00	5.33E+00	0.00E+00
RU-106	6.58E+01	0.00E+00	8.33E+00	0.00E+00	1.27E+02	0.00E+00	4.26E+03	0.00E+00
RH-105	1.81E+00	1.33E+00	8.73E-01	0.00E+00	5.63E+00	0.00E+00	2.11E+02	0.00E+00
PD-107	0.00E+00	3.52E+00	2.25E-01	0.00E+00	3.16E+01	0.00E+00	2.18E+01	0.00E+00
PD-109	0.00E+00	1.23E+00	2.78E-01	0.00E+00	7.03E+00	0.00E+00	1.36E+02	0.00E+00
AG-110m	8.80E-01	8.14E-01	4.83E-01	0.00E+00	1.60E+00	0.00E+00	3.32E+02	0.00E+00
AG-111	2.92E-01	1.22E-01	6.08E-02	0.00E+00	3.94E-01	0.00E+00	2.24E+02	0.00E+00
CD-113m	0.00E+00	1.52E+03	4.89E+01	0.00E+00	1.68E+03	0.00E+00	1.23E+04	0.00E+00
CD-115m	0.00E+00	8.69E+02	2.77E+01	0.00E+00	6.89E+02	0.00E+00	3.65E+04	0.00E+00
SN-123	2.22E+05	3.68E+03	5.43E+03	3.13E+03	0.00E+00	0.00E+00	4.53E+05	0.00E+00
SN-125	5.58E+04	1.12E+03	2.53E+03	9.30E+02	0.00E+00	0.00E+00	6.96E+05	0.00E+00
SN-126	6.08E+05	1.20E+04	1.73E+04	3.54E+03	0.00E+00	0.00E+00	1.75E+05	0.00E+00
SB-124	6.64E+00	1.25E-01	2.63E+00	1.61E-02	0.00E+00	5.17E+00	1.88E+02	0.00E+00
SB-125	4.29E+00	4.79E-02	1.02E+00	4.36E-03	0.00E+00	3.31E+00	4.72E+01	0.00E+00
SB-126	2.61E+00	5.30E-02	9.41E-01	1.60E-02	0.00E+00	1.60E+00	2.13E+02	0.00E+00
SB-127	5.17E-01	1.13E-02	1.98E-01	6.21E-03	0.00E+00	3.06E-01	1.18E+02	0.00E+00
TE-125m	2.54E+03	9.20E+02	3.40E+02	7.64E+02	1.03E+04	0.00E+00	1.01E+04	0.00E+00
TE-127m	6.45E+03	2.31E+03	7.86E+02	1.65E+03	2.62E+04	0.00E+00	2.16E+04	0.00E+00
TE-127	1.78E+01	6.39E+00	3.85E+00	1.32E+01	7.25E+01	0.00E+00	1.40E+03	0.00E+00
TE-129m	1.08E+04	4.03E+03	1.71E+03	3.71E+03	4.51E+04	0.00E+00	5.44E+04	0.00E+00
TE-129	1.78E-05	6.69E-06	4.34E-06	1.37E-05	7.48E-05	0.00E+00	1.34E-05	0.00E+00
TE-133m	6.63E-07	3.88E-07	3.73E-07	5.61E-07	3.83E-06	0.00E+00	1.33E-07	0.00E+00

Table 4-23 (Page 3 of 4)

Adult Fish A_{it} mrem*mL/hr* μ Ci

<u>Nuclide</u>	<u>Bone</u>	<u>Liver</u>	<u>T Body</u>	<u>Thyroid</u>	<u>Kidney</u>	<u>Lung</u>	<u>GI-LLI</u>	<u>Skin</u>
TE-134	1.32E-09	8.66E-10	5.31E-10	1.16E-09	8.38E-09	0.00E+00	1.47E-12	0.00E+00
I-129	1.18E+02	1.01E+02	3.31E+02	2.60E+05	2.17E+02	0.00E+00	1.60E+01	0.00E+00
I-130	7.08E+00	2.09E+01	8.24E+00	1.77E+03	3.26E+01	0.00E+00	1.80E+01	0.00E+00
I-131	1.37E+02	1.96E+02	1.12E+02	6.43E+04	3.36E+02	0.00E+00	5.18E+01	0.00E+00
TE-131m	9.53E+02	4.66E+02	3.88E+02	7.38E+02	4.72E+03	0.00E+00	4.63E+04	0.00E+00
TE-131	8.65E-17	3.61E-17	2.73E-17	7.11E-17	3.79E-16	0.00E+00	1.22E-17	0.00E+00
I-132	5.27E-03	1.41E-02	4.94E-03	4.94E-01	2.25E-02	0.00E+00	2.65E-03	0.00E+00
TE-132	1.95E+03	1.26E+03	1.19E+03	1.40E+03	1.22E+04	0.00E+00	5.98E+04	0.00E+00
I-133	2.29E+01	3.99E+01	1.22E+01	5.87E+03	6.97E+01	0.00E+00	3.59E+01	0.00E+00
CS-134m	3.29E-01	6.93E-01	3.54E-01	0.00E+00	3.76E-01	5.92E-02	2.44E-01	0.00E+00
CS-134	2.98E+05	7.09E+05	5.80E+05	0.00E+00	2.29E+05	7.62E+04	1.24E+04	0.00E+00
I-134	2.19E-08	5.94E-08	2.13E-08	1.03E-06	9.45E-08	0.00E+00	5.18E-11	0.00E+00
I-135	1.29E+00	3.37E+00	1.24E+00	2.22E+02	5.40E+00	0.00E+00	3.80E+00	0.00E+00
CS-135	9.35E+04	8.63E+04	3.83E+04	0.00E+00	3.27E+04	9.78E+03	2.02E+03	0.00E+00
CS-136	2.96E+04	1.17E+05	8.41E+04	0.00E+00	6.50E+04	8.92E+03	1.33E+04	0.00E+00
CS-137	3.82E+05	5.23E+05	3.42E+05	0.00E+00	1.77E+05	5.90E+04	1.01E+04	0.00E+00
CS-138	9.13E-12	1.80E-11	8.93E-12	0.00E+00	1.32E-11	1.31E-12	7.69E-17	0.00E+00
CS-139	1.25E-44	1.87E-44	6.80E-45	0.00E+00	1.50E-44	1.36E-45	4.04E-67	0.00E+00
BA-139	5.65E-06	4.03E-09	1.65E-07	0.00E+00	3.76E-09	2.28E-09	1.00E-05	0.00E+00
BA-140	1.84E+02	2.32E-01	1.21E+01	0.00E+00	7.88E-02	1.33E-01	3.80E+02	0.00E+00
LA-140	9.91E-02	4.99E-02	1.32E-02	0.00E+00	0.00E+00	0.00E+00	3.67E+03	0.00E+00
BA-141	8.48E-25	6.41E-28	2.86E-26	0.00E+00	5.96E-28	3.64E-28	4.00E-34	0.00E+00
LA-141	2.80E-04	8.70E-05	1.42E-05	0.00E+00	0.00E+00	0.00E+00	1.04E+01	0.00E+00
CE-141	2.20E-02	1.49E-02	1.68E-03	0.00E+00	6.90E-03	0.00E+00	5.68E+01	0.00E+00
BA-142	6.28E-42	6.45E-45	3.95E-43	0.00E+00	5.45E-45	3.65E-45	8.84E-60	0.00E+00
LA-142	2.19E-07	9.97E-08	2.48E-08	0.00E+00	0.00E+00	0.00E+00	7.28E-04	0.00E+00
CE-143	2.39E-03	1.77E+00	1.95E-04	0.00E+00	7.78E-04	0.00E+00	6.60E+01	0.00E+00
PR-143	5.24E-01	2.10E-01	2.60E-02	0.00E+00	1.21E-01	0.00E+00	2.29E+03	0.00E+00
CE-144	1.17E+00	4.88E-01	6.27E-02	0.00E+00	2.89E-01	0.00E+00	3.95E+02	0.00E+00
PR-144	1.48E-28	6.15E-29	7.53E-30	0.00E+00	3.47E-29	0.00E+00	2.13E-35	0.00E+00
ND-147	3.54E-01	4.09E-01	2.45E-02	0.00E+00	2.39E-01	0.00E+00	1.96E+03	0.00E+00
PM-147	4.52E+00	4.25E-01	1.72E-01	0.00E+00	8.03E-01	0.00E+00	5.35E+02	0.00E+00
PM-148m	1.81E+00	4.69E-01	3.58E-01	0.00E+00	7.07E-01	0.00E+00	3.97E+03	0.00E+00
PM-148	3.78E-01	6.27E-02	3.16E-02	0.00E+00	1.19E-01	0.00E+00	4.93E+03	0.00E+00
PM-149	6.66E-02	9.42E-03	3.85E-03	0.00E+00	1.78E-02	0.00E+00	1.77E+03	0.00E+00
PM-151	2.33E-02	3.90E-03	1.97E-03	0.00E+00	6.97E-03	0.00E+00	1.07E+03	0.00E+00
SM-151	4.14E+00	7.13E-01	1.71E-01	0.00E+00	7.97E-01	0.00E+00	3.15E+02	0.00E+00

Table 4-23 (Page 4 of 4)

Adult Fish A_{it} mrem*mL/hr* μ Ci

<u>Nuclide</u>	<u>Bone</u>	<u>Liver</u>	<u>T Body</u>	<u>Thyroid</u>	<u>Kidney</u>	<u>Lung</u>	<u>GI-LLI</u>	<u>Skin</u>
SM-153	3.60E-02	3.00E-02	2.19E-03	0.00E+00	9.70E-03	0.00E+00	1.07E+03	0.00E+00
EU-152	1.17E+01	2.66E+00	2.34E+00	0.00E+00	1.65E+01	0.00E+00	1.53E+03	0.00E+00
EU-154	3.68E+01	4.53E+00	3.22E+00	0.00E+00	2.17E+01	0.00E+00	3.28E+03	0.00E+00
EU-155	5.15E+00	7.31E-01	4.71E-01	0.00E+00	3.37E+00	0.00E+00	5.75E+02	0.00E+00
EU-156	7.84E-01	6.07E-01	9.79E-02	0.00E+00	4.05E-01	0.00E+00	4.16E+03	0.00E+00
TB-160	2.79E+00	0.00E+00	3.48E-01	0.00E+00	1.15E+00	0.00E+00	1.52E+03	0.00E+00
HO-166m	1.62E+01	5.05E+00	3.84E+00	0.00E+00	7.55E+00	0.00E+00	5.99E-17	0.00E+00
W-181	2.83E+01	9.24E+00	9.90E-01	0.00E+00	0.00E+00	0.00E+00	1.05E+03	0.00E+00
W-185	1.15E+03	3.85E+02	4.05E+01	0.00E+00	0.00E+00	0.00E+00	4.45E+04	0.00E+00
W-187	1.47E+02	1.23E+02	4.31E+01	0.00E+00	0.00E+00	0.00E+00	4.04E+04	0.00E+00
NP-239	2.13E-02	2.09E-03	1.15E-03	0.00E+00	6.52E-03	0.00E+00	4.29E+02	0.00E+00
U-232	1.98E+04	0.00E+00	1.41E+03	0.00E+00	2.14E+03	0.00E+00	3.25E+02	0.00E+00
U-233	4.18E+03	0.00E+00	2.53E+02	0.00E+00	9.73E+02	0.00E+00	3.01E+02	0.00E+00
U-234	4.01E+03	0.00E+00	2.48E+02	0.00E+00	9.54E+02	0.00E+00	2.94E+02	0.00E+00
U-235	3.84E+03	0.00E+00	2.33E+02	0.00E+00	8.97E+02	0.00E+00	3.74E+02	0.00E+00
U-236	3.84E+03	0.00E+00	2.38E+02	0.00E+00	9.16E+02	0.00E+00	2.76E+02	0.00E+00
U-237	2.39E-01	0.00E+00	6.36E-02	0.00E+00	9.82E-01	0.00E+00	8.39E+01	0.00E+00
U-238	3.68E+03	0.00E+00	2.18E+02	0.00E+00	8.39E+02	0.00E+00	2.64E+02	0.00E+00
NP-237	3.02E+04	2.15E+03	1.33E+03	0.00E+00	9.88E+03	0.00E+00	1.90E+03	0.00E+00
NP-238	2.37E-01	6.38E-03	3.68E-03	0.00E+00	2.16E-02	0.00E+00	5.93E+02	0.00E+00
PU-238	5.29E+03	6.70E+02	1.43E+02	0.00E+00	6.14E+02	0.00E+00	6.12E+02	0.00E+00
PU-239	6.08E+03	7.31E+02	1.60E+02	0.00E+00	6.80E+02	0.00E+00	5.59E+02	0.00E+00
PU-240	6.07E+03	7.30E+02	1.60E+02	0.00E+00	6.80E+02	0.00E+00	5.69E+02	0.00E+00
PU-241	1.32E+02	6.25E+00	2.79E+00	0.00E+00	1.28E+01	0.00E+00	1.17E+01	0.00E+00
PU-242	5.64E+03	7.04E+02	1.54E+02	0.00E+00	6.55E+02	0.00E+00	5.48E+02	0.00E+00
PU-244	6.58E+03	8.06E+02	1.77E+02	0.00E+00	7.51E+02	0.00E+00	8.16E+02	0.00E+00
AM-241	4.52E+04	4.23E+04	3.24E+03	0.00E+00	2.44E+04	0.00E+00	4.45E+03	0.00E+00
AM-242m	4.56E+04	3.97E+04	3.25E+03	0.00E+00	2.43E+04	0.00E+00	5.60E+03	0.00E+00
AM-243	4.52E+04	4.14E+04	3.18E+03	0.00E+00	2.39E+04	0.00E+00	5.21E+03	0.00E+00
CM-242	1.23E+03	1.31E+03	8.18E+01	0.00E+00	3.71E+02	0.00E+00	4.73E+03	0.00E+00
CM-243	3.59E+04	3.29E+04	2.25E+03	0.00E+00	1.05E+04	0.00E+00	4.68E+03	0.00E+00
CM-244	2.73E+04	2.56E+04	1.72E+03	0.00E+00	8.03E+03	0.00E+00	4.52E+03	0.00E+00
CM-245	5.62E+04	4.90E+04	3.45E+03	0.00E+00	1.61E+04	0.00E+00	4.22E+03	0.00E+00
CM-246	5.57E+04	4.89E+04	3.45E+03	0.00E+00	1.61E+04	0.00E+00	4.14E+03	0.00E+00
CM-247	5.44E+04	4.82E+04	3.40E+03	0.00E+00	1.58E+04	0.00E+00	5.45E+03	0.00E+00
CM-248	4.52E+05	3.97E+05	2.80E+04	0.00E+00	1.31E+05	0.00E+00	8.81E+04	0.00E+00
CF-252	1.56E+04	0.00E+00	3.77E+02	0.00E+00	0.00E+00	0.00E+00	1.72E+04	0.00E+00

Table 4-24 (Page 1 of 4)

Infant Inhalation P_i mrem*m³/yr* μ Ci

<u>Nuclide</u>	<u>Bone</u>	<u>Liver</u>	<u>T Body</u>	<u>Thyroid</u>	<u>Kidney</u>	<u>Lung</u>	<u>GI-LLI</u>	<u>Skin</u>
H-3	0.00E+00	6.47E+02	6.47E+02	6.47E+02	6.47E+02	6.47E+02	6.47E+02	0.00E+00
C-14	2.65E+04	5.31E+03	5.31E+03	5.31E+03	5.31E+03	5.31E+03	5.31E+03	0.00E+00
NA-22	1.03E+05	1.03E+05	1.03E+05	1.03E+05	1.03E+05	1.03E+05	1.03E+05	0.00E+00
NA-24	1.06E+04	1.06E+04	1.06E+04	1.06E+04	1.06E+04	1.06E+04	1.06E+04	0.00E+00
P-32	2.03E+06	1.12E+05	7.74E+04	0.00E+00	0.00E+00	0.00E+00	1.61E+04	0.00E+00
CA-41	1.05E+05	0.00E+00	1.14E+04	0.00E+00	0.00E+00	9.72E+07	4.14E+02	0.00E+00
SC-46	5.25E+05	7.57E+05	2.37E+05	0.00E+00	4.98E+05	0.00E+00	3.07E+04	0.00E+00
CR-51	0.00E+00	0.00E+00	8.95E+01	5.75E+01	1.32E+01	1.28E+04	3.57E+02	0.00E+00
MN-54	0.00E+00	2.53E+04	4.98E+03	0.00E+00	4.98E+03	1.00E+06	7.06E+03	0.00E+00
FE-55	1.97E+04	1.18E+04	3.33E+03	0.00E+00	0.00E+00	8.69E+04	1.10E+03	0.00E+00
MN-56	0.00E+00	1.54E+00	2.21E-01	0.00E+00	1.10E+00	1.25E+04	7.17E+04	0.00E+00
CO-57	0.00E+00	6.51E+02	6.41E+02	0.00E+00	0.00E+00	3.79E+05	4.86E+03	0.00E+00
CO-58	0.00E+00	1.22E+03	1.82E+03	0.00E+00	0.00E+00	7.77E+05	1.11E+04	0.00E+00
FE-59	1.36E+04	2.35E+04	9.48E+03	0.00E+00	0.00E+00	1.02E+06	2.48E+04	0.00E+00
CO-60	0.00E+00	8.02E+03	1.18E+04	0.00E+00	0.00E+00	4.51E+06	3.19E+04	0.00E+00
NI-59	2.53E+04	7.62E+03	4.34E+03	0.00E+00	0.00E+00	7.67E+04	8.88E+02	0.00E+00
NI-63	3.39E+05	2.04E+04	1.16E+04	0.00E+00	0.00E+00	2.09E+05	2.42E+03	0.00E+00
CU-64	0.00E+00	1.88E+00	7.74E-01	0.00E+00	3.98E+00	9.30E+03	1.50E+04	0.00E+00
NI-65	2.39E+00	2.84E-01	1.23E-01	0.00E+00	0.00E+00	8.12E+03	5.01E+04	0.00E+00
ZN-65	1.93E+04	6.26E+04	3.11E+04	0.00E+00	3.25E+04	6.47E+05	5.14E+04	0.00E+00
ZN-69m	1.26E+01	2.58E+01	2.34E+00	0.00E+00	1.04E+01	2.67E+04	4.09E+04	0.00E+00
ZN-69	5.39E-02	9.67E-02	7.18E-03	0.00E+00	4.02E-02	1.47E+03	1.32E+04	0.00E+00
SE-79	0.00E+00	3.15E+03	5.88E+02	0.00E+00	3.46E+03	4.19E+05	4.84E+04	0.00E+00
BR-82	0.00E+00	0.00E+00	1.33E+04	0.00E+00	0.00E+00	0.00E+00	1.40E-15	0.00E+00
BR-83	0.00E+00	0.00E+00	3.81E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
BR-84	0.00E+00	0.00E+00	4.00E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
BR-85	0.00E+00	0.00E+00	2.04E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RB-86	0.00E+00	1.90E+05	8.82E+04	0.00E+00	0.00E+00	0.00E+00	3.04E+03	0.00E+00
RB-87	0.00E+00	1.24E+05	4.93E+04	0.00E+00	0.00E+00	0.00E+00	8.37E+02	0.00E+00
RB-88	0.00E+00	5.57E+02	2.87E+02	0.00E+00	0.00E+00	0.00E+00	3.39E+02	0.00E+00
RB-89	0.00E+00	3.21E+02	2.06E+02	0.00E+00	0.00E+00	0.00E+00	6.82E+01	0.00E+00
SR-89	3.98E+05	0.00E+00	1.14E+04	0.00E+00	0.00E+00	2.03E+06	6.40E+04	0.00E+00
SR-90	4.09E+07	0.00E+00	2.59E+06	0.00E+00	0.00E+00	1.12E+07	1.31E+05	0.00E+00
Y-90	3.29E+03	0.00E+00	8.82E+01	0.00E+00	0.00E+00	2.69E+05	1.04E+05	0.00E+00
SR-91	9.56E+01	0.00E+00	3.46E+00	0.00E+00	0.00E+00	5.26E+04	7.34E+04	0.00E+00
Y-91m	4.07E-01	0.00E+00	1.39E-02	0.00E+00	0.00E+00	2.79E+03	2.35E+03	0.00E+00
Y-91	5.88E+05	0.00E+00	1.57E+04	0.00E+00	0.00E+00	2.45E+06	7.03E+04	0.00E+00

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Infant Inhalation P_i mrem*m³/yr* μ Ci

<u>Nuclide</u>	<u>Bone</u>	<u>Liver</u>	<u>T Body</u>	<u>Thyroid</u>	<u>Kidney</u>	<u>Lung</u>	<u>GI-LLI</u>	<u>Skin</u>
SR-92	1.05E+01	0.00E+00	3.91E-01	0.00E+00	0.00E+00	2.38E+04	1.40E+05	0.00E+00
Y-92	1.64E+01	0.00E+00	4.61E-01	0.00E+00	0.00E+00	2.45E+04	1.27E+05	0.00E+00
Y-93	1.50E+02	0.00E+00	4.07E+00	0.00E+00	0.00E+00	7.64E+04	1.67E+05	0.00E+00
NB-93m	1.93E+05	5.03E+04	1.61E+04	0.00E+00	5.15E+04	2.93E+05	3.46E+03	0.00E+00
NB-95	1.57E+04	6.43E+03	3.78E+03	0.00E+00	4.72E+03	4.79E+05	1.27E+04	0.00E+00
NB-97	3.42E-01	7.29E-02	2.63E-02	0.00E+00	5.70E-02	3.32E+03	2.69E+04	0.00E+00
ZR-93	3.14E+05	1.33E+05	8.65E+04	0.00E+00	4.47E+05	1.92E+06	2.07E+04	0.00E+00
ZR-95	1.15E+05	2.79E+04	2.03E+04	0.00E+00	3.11E+04	1.75E+06	2.17E+04	0.00E+00
ZR-97	1.50E+02	2.56E+01	1.17E+01	0.00E+00	2.59E+01	1.10E+05	1.40E+05	0.00E+00
MO-93	0.00E+00	9.04E+03	3.11E+02	0.00E+00	2.16E+03	4.76E+05	5.26E+03	0.00E+00
MO-99	0.00E+00	1.65E+02	3.23E+01	0.00E+00	2.65E+02	1.35E+05	4.87E+04	0.00E+00
TC-99	2.93E+02	3.75E+02	1.24E+02	0.00E+00	3.49E+03	9.48E+05	1.09E+04	0.00E+00
TC-99m	1.40E-03	2.88E-03	3.72E-02	0.00E+00	3.11E-02	8.11E+02	2.03E+03	0.00E+00
TC-101	6.51E-05	8.23E-05	8.12E-04	0.00E+00	9.79E-04	5.84E+02	8.44E+02	0.00E+00
RU-103	2.02E+03	0.00E+00	6.79E+02	0.00E+00	4.24E+03	5.52E+05	1.61E+04	0.00E+00
RU-105	1.22E+00	0.00E+00	4.10E-01	0.00E+00	8.99E-01	1.57E+04	4.84E+04	0.00E+00
RU-106	8.68E+04	0.00E+00	1.09E+04	0.00E+00	1.07E+05	1.16E+07	1.64E+05	0.00E+00
RH-105	1.16E+01	7.57E+00	5.08E+00	0.00E+00	2.10E+01	2.91E+04	1.92E+04	0.00E+00
PD-107	0.00E+00	6.89E+01	5.75E+01	0.00E+00	3.85E+03	8.88E+04	1.03E+03	0.00E+00
PD-109	0.00E+00	5.49E+00	1.47E+00	0.00E+00	1.79E+01	2.35E+04	3.99E+04	0.00E+00
AG-110m	9.98E+03	7.22E+03	5.00E+03	0.00E+00	1.09E+04	3.67E+06	3.30E+04	0.00E+00
AG-111	5.25E+02	2.03E+02	1.09E+02	0.00E+00	4.27E+02	2.88E+05	4.23E+04	0.00E+00
CD-113m	0.00E+00	9.34E+05	3.70E+04	0.00E+00	8.12E+05	1.96E+06	2.31E+04	0.00E+00
CD-115m	0.00E+00	2.42E+05	8.67E+03	0.00E+00	1.32E+05	2.06E+06	7.03E+04	0.00E+00
SN-123	2.93E+05	5.89E+03	1.02E+04	5.98E+03	0.00E+00	3.11E+06	5.71E+04	0.00E+00
SN-125	1.41E+04	3.51E+02	8.40E+02	3.46E+02	0.00E+00	9.00E+05	1.02E+05	0.00E+00
SN-126	1.16E+06	2.02E+04	4.93E+04	5.38E+03	0.00E+00	6.90E+06	2.31E+04	0.00E+00
SB-124	3.79E+04	5.56E+02	1.20E+04	1.01E+02	0.00E+00	2.65E+06	5.91E+04	0.00E+00
SB-125	5.45E+04	4.77E+02	1.09E+04	6.23E+01	0.00E+00	1.64E+06	1.47E+04	0.00E+00
SB-126	4.31E+03	8.41E+01	1.55E+02	3.29E+01	0.00E+00	9.63E+05	7.46E+04	0.00E+00
SB-127	3.95E+02	7.06E+00	1.23E+02	5.04E+00	0.00E+00	2.16E+05	5.29E+04	0.00E+00
TE-125m	4.76E+03	1.99E+03	6.58E+02	1.62E+03	0.00E+00	4.47E+05	1.29E+04	0.00E+00
TE-127m	1.67E+04	6.90E+03	2.07E+03	4.87E+03	3.75E+04	1.31E+06	2.73E+04	0.00E+00
TE-127	2.23E+00	9.53E-01	4.89E-01	1.85E+00	4.86E+00	1.04E+04	2.44E+04	0.00E+00
TE-129m	1.41E+04	6.09E+03	2.23E+03	5.47E+03	3.18E+04	1.68E+06	6.90E+04	0.00E+00
TE-129	7.88E-02	3.47E-02	1.88E-02	6.75E-02	1.75E-01	3.00E+03	2.63E+04	0.00E+00
TE-133m	8.58E-02	5.03E-02	3.84E-02	7.73E-02	2.41E-01	5.49E+03	2.23E+04	0.00E+00

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Infant Inhalation P_i mrem*m³/yr* μ Ci

<u>Nuclide</u>	<u>Bone</u>	<u>Liver</u>	<u>T Body</u>	<u>Thyroid</u>	<u>Kidney</u>	<u>Lung</u>	<u>GI-LLI</u>	<u>Skin</u>
TE-134	4.45E-02	2.86E-02	2.35E-02	4.07E-02	1.34E-01	4.10E+03	3.54E+03	0.00E+00
I-129	3.02E+04	2.23E+04	1.62E+04	1.46E+07	2.63E+04	0.00E+00	2.97E+02	0.00E+00
I-130	6.36E+03	1.39E+04	5.57E+03	1.60E+06	1.53E+04	0.00E+00	1.99E+03	0.00E+00
I-131	3.79E+04	4.44E+04	1.96E+04	1.48E+07	5.18E+04	0.00E+00	1.06E+03	0.00E+00
TE-131m	1.07E+02	5.50E+01	3.63E+01	8.93E+01	2.65E+02	1.99E+05	1.19E+05	0.00E+00
TE-131	1.74E-02	8.22E-03	5.00E-03	1.58E-02	3.99E-02	2.06E+03	8.22E+03	0.00E+00
I-132	1.69E+03	3.54E+03	1.26E+03	1.69E+05	3.95E+03	0.00E+00	1.90E+03	0.00E+00
TE-132	3.72E+02	2.37E+02	1.76E+02	2.79E+02	1.04E+03	3.40E+05	4.41E+04	0.00E+00
I-133	1.32E+04	1.92E+04	5.60E+03	3.56E+06	2.24E+04	0.00E+00	2.16E+03	0.00E+00
CS-134m	1.85E+02	2.94E+02	1.55E+02	0.00E+00	1.19E+02	2.80E+01	1.62E+02	0.00E+00
CS-134	3.96E+05	7.03E+05	7.45E+04	0.00E+00	1.90E+05	7.97E+04	1.33E+03	0.00E+00
I-134	9.21E+02	1.88E+03	6.65E+02	4.45E+04	2.09E+03	0.00E+00	1.29E+03	0.00E+00
I-135	3.86E+03	7.60E+03	2.77E+03	6.96E+05	8.47E+03	0.00E+00	1.83E+03	0.00E+00
CS-135	1.40E+05	1.21E+05	6.62E+03	0.00E+00	3.61E+04	1.41E+04	3.05E+02	0.00E+00
CS-136	4.83E+04	1.35E+05	5.29E+04	0.00E+00	5.64E+04	1.18E+04	1.43E+03	0.00E+00
CS-137	5.49E+05	6.12E+05	4.55E+04	0.00E+00	1.72E+05	7.13E+04	1.33E+03	0.00E+00
CS-138	5.05E+02	7.81E+02	3.98E+02	0.00E+00	4.10E+02	6.54E+01	8.76E+02	0.00E+00
CS-139	3.25E+02	4.24E+02	1.71E+02	0.00E+00	2.31E+02	3.54E+01	1.86E+01	0.00E+00
BA-139	1.48E+00	9.84E-04	4.30E-02	0.00E+00	5.92E-04	5.95E+03	5.10E+04	0.00E+00
BA-140	5.60E+04	5.60E+01	2.90E+03	0.00E+00	1.34E+01	1.60E+06	3.84E+04	0.00E+00
LA-140	5.05E+02	2.00E+02	5.15E+01	0.00E+00	0.00E+00	1.68E+05	8.48E+04	0.00E+00
BA-141	1.57E-01	1.08E-04	4.97E-03	0.00E+00	6.50E-05	2.97E+03	4.75E+03	0.00E+00
LA-141	6.79E+00	1.96E+00	3.43E-01	0.00E+00	0.00E+00	1.71E+04	8.34E+04	0.00E+00
CE-141	2.77E+04	1.67E+04	1.99E+03	0.00E+00	5.25E+03	5.17E+05	2.16E+04	0.00E+00
BA-142	3.98E-02	3.30E-05	1.96E-03	0.00E+00	1.90E-05	1.55E+03	6.93E+02	0.00E+00
LA-142	1.03E+00	3.77E-01	9.04E-02	0.00E+00	0.00E+00	8.22E+03	5.95E+04	0.00E+00
CE-143	2.93E+02	1.93E+02	2.21E+01	0.00E+00	5.64E+01	1.16E+05	4.97E+04	0.00E+00
PR-143	1.40E+04	5.24E+03	6.99E+02	0.00E+00	1.97E+03	4.33E+05	3.72E+04	0.00E+00
CE-144	3.19E+06	1.21E+06	1.76E+05	0.00E+00	5.38E+05	9.84E+06	1.48E+05	0.00E+00
PR-144	4.79E-02	1.85E-02	2.41E-03	0.00E+00	6.72E-03	1.61E+03	4.28E+03	0.00E+00
ND-147	7.94E+03	8.13E+03	5.00E+02	0.00E+00	3.15E+03	3.22E+05	3.12E+04	0.00E+00
PM-147	5.47E+05	4.30E+04	2.18E+04	0.00E+00	6.90E+04	6.37E+05	8.05E+03	0.00E+00
PM-148m	7.00E+04	1.74E+04	1.39E+04	0.00E+00	2.03E+04	1.71E+06	4.72E+04	0.00E+00
PM-148	4.68E+03	6.75E+01	3.42E+02	0.00E+00	8.06E+02	4.48E+05	8.46E+04	0.00E+00
PM-149	4.34E+02	5.71E+01	2.49E+01	0.00E+00	6.94E+01	9.10E+04	4.21E+04	0.00E+00
PM-151	1.05E+02	1.54E+01	7.77E+00	0.00E+00	1.82E+01	4.55E+04	3.61E+04	0.00E+00
SM-151	4.73E+05	9.03E+04	2.28E+04	0.00E+00	7.34E+04	4.17E+05	4.84E+03	0.00E+00

Table 4-24 (Page 4 of 4)

Infant Inhalation P_i mrem*m³/yr* μ Ci

<u>Nuclide</u>	<u>Bone</u>	<u>Liver</u>	<u>T Body</u>	<u>Thyroid</u>	<u>Kidney</u>	<u>Lung</u>	<u>GI-LLI</u>	<u>Skin</u>
SM-153	2.14E+02	1.65E+02	1.27E+01	0.00E+00	3.46E+01	5.18E+04	2.70E+04	0.00E+00
EU-152	1.10E+06	2.48E+05	2.41E+05	0.00E+00	8.32E+05	2.07E+06	1.38E+04	0.00E+00
EU-154	4.14E+06	4.84E+05	3.43E+05	0.00E+00	1.60E+06	4.27E+06	3.98E+04	0.00E+00
EU-155	8.36E+05	8.01E+04	4.84E+04	0.00E+00	2.21E+05	7.28E+05	7.27E+04	0.00E+00
EU-156	2.18E+04	1.34E+04	2.16E+03	0.00E+00	6.27E+03	8.57E+05	5.80E+04	0.00E+00
TB-160	1.57E+05	0.00E+00	1.96E+04	0.00E+00	4.48E+04	1.55E+06	3.00E+04	0.00E+00
HO-166m	2.03E+05	4.30E+05	3.51E+05	0.00E+00	5.91E+05	2.87E+06	2.31E+04	0.00E+00
W-181	6.80E+01	2.04E+01	2.34E+00	0.00E+00	0.00E+00	1.86E+04	3.68E+02	0.00E+00
W-185	2.20E+03	6.76E+02	7.81E+01	0.00E+00	0.00E+00	6.27E+05	1.57E+04	0.00E+00
W-187	1.30E+01	9.02E+00	3.12E+00	0.00E+00	0.00E+00	3.96E+04	3.56E+04	0.00E+00
NP-239	3.71E+02	3.32E+01	1.88E+01	0.00E+00	6.62E+01	5.95E+04	2.49E+04	0.00E+00
U-232	3.60E+08	0.00E+00	2.98E+07	0.00E+00	3.36E+07	2.09E+09	6.10E+04	0.00E+00
U-233	7.62E+07	0.00E+00	5.36E+06	0.00E+00	1.53E+07	4.98E+08	5.64E+04	0.00E+00
U-234	7.31E+07	0.00E+00	5.25E+06	0.00E+00	1.50E+07	4.89E+08	5.53E+04	0.00E+00
U-235	7.01E+07	0.00E+00	4.93E+06	0.00E+00	1.41E+07	4.59E+08	7.03E+04	0.00E+00
U-236	7.01E+07	0.00E+00	5.04E+06	0.00E+00	1.44E+07	4.69E+08	5.19E+04	0.00E+00
U-237	4.55E+02	0.00E+00	1.21E+02	0.00E+00	1.13E+03	1.28E+05	1.83E+04	0.00E+00
U-238	6.71E+07	0.00E+00	4.61E+06	0.00E+00	1.32E+07	4.28E+08	4.96E+04	0.00E+00
NP-237	4.03E+09	2.39E+09	1.76E+08	0.00E+00	1.08E+09	4.89E+08	7.14E+04	0.00E+00
NP-238	3.74E+03	8.47E+02	5.82E+01	0.00E+00	2.06E+02	1.29E+05	3.61E+04	0.00E+00
PU-238	3.77E+09	2.35E+09	1.78E+08	0.00E+00	6.50E+08	1.26E+09	6.57E+04	0.00E+00
PU-239	4.10E+09	2.46E+09	1.88E+08	0.00E+00	6.93E+08	1.19E+09	5.99E+04	0.00E+00
PU-240	4.10E+09	2.45E+09	1.88E+08	0.00E+00	6.92E+08	1.19E+09	6.10E+04	0.00E+00
PU-241	1.18E+08	2.59E+07	4.35E+06	0.00E+00	1.61E+07	1.07E+06	1.26E+03	0.00E+00
PU-242	3.81E+09	2.37E+09	1.81E+08	0.00E+00	6.68E+08	1.14E+09	5.88E+04	0.00E+00
PU-244	4.44E+09	2.72E+09	2.07E+08	0.00E+00	7.64E+08	1.31E+09	8.76E+04	0.00E+00
AM-241	4.41E+09	2.73E+09	1.83E+08	0.00E+00	1.11E+09	5.68E+08	6.69E+04	0.00E+00
AM-242m	4.55E+09	2.60E+09	1.89E+08	0.00E+00	1.12E+09	2.30E+08	8.41E+04	0.00E+00
AM-243	4.34E+09	2.63E+09	1.78E+08	0.00E+00	1.08E+09	5.39E+08	7.84E+04	0.00E+00
CM-242	1.79E+08	1.21E+08	7.98E+06	0.00E+00	2.37E+07	4.16E+08	7.14E+04	0.00E+00
CM-243	3.46E+09	2.13E+09	1.48E+08	0.00E+00	5.47E+08	5.94E+08	7.03E+04	0.00E+00
CM-244	2.90E+09	1.78E+09	1.24E+08	0.00E+00	4.49E+08	5.71E+08	6.80E+04	0.00E+00
CM-245	4.51E+09	2.74E+09	1.90E+08	0.00E+00	7.32E+08	5.49E+08	6.34E+04	0.00E+00
CM-246	4.48E+09	2.74E+09	1.90E+08	0.00E+00	7.32E+08	5.59E+08	6.23E+04	0.00E+00
CM-247	4.35E+09	2.70E+09	1.86E+08	0.00E+00	7.21E+08	5.49E+08	8.19E+04	0.00E+00
CM-248	3.61E+10	2.23E+10	1.54E+09	0.00E+00	5.94E+09	4.52E+09	1.32E+06	0.00E+00
CF-252	3.32E+09	0.00E+00	1.41E+08	0.00E+00	0.00E+00	1.92E+09	2.59E+05	0.00E+00

Table 4-25 (Page 1 of 4)

Child Inhalation P_i $\text{mrem}\cdot\text{m}^3/\text{yr}\cdot\mu\text{Ci}$

<u>Nuclide</u>	<u>Bone</u>	<u>Liver</u>	<u>T Body</u>	<u>Thyroid</u>	<u>Kidney</u>	<u>Lung</u>	<u>GI-LLI</u>	<u>Skin</u>
H-3	0.00E+00	1.13E+03	1.13E+03	1.13E+03	1.13E+03	1.13E+03	1.13E+03	0.00E+00
C-14	3.59E+04	6.73E+03	6.73E+03	6.73E+03	6.73E+03	6.73E+03	6.73E+03	0.00E+00
NA-22	1.63E+05	1.63E+05	1.63E+05	1.63E+05	1.63E+05	1.63E+05	1.63E+05	0.00E+00
NA-24	1.61E+04	1.61E+04	1.61E+04	1.61E+04	1.61E+04	1.61E+04	1.61E+04	0.00E+00
P-32	2.61E+06	1.14E+05	9.88E+04	0.00E+00	0.00E+00	0.00E+00	4.22E+04	0.00E+00
CA-41	2.61E+05	0.00E+00	2.85E+04	0.00E+00	0.00E+00	2.67E+08	1.09E+03	0.00E+00
SC-46	7.29E+05	9.99E+05	3.85E+05	0.00E+00	8.84E+05	0.00E+00	9.07E+04	0.00E+00
CR-51	0.00E+00	0.00E+00	1.54E+02	8.55E+01	2.43E+01	1.70E+04	1.08E+03	0.00E+00
MN-54	0.00E+00	4.29E+04	9.51E+03	0.00E+00	1.00E+04	1.58E+06	2.29E+04	0.00E+00
FE-55	4.74E+04	2.52E+04	7.77E+03	0.00E+00	0.00E+00	1.11E+05	2.87E+03	0.00E+00
MN-56	0.00E+00	1.66E+00	3.12E-01	0.00E+00	1.67E+00	1.31E+04	1.23E+05	0.00E+00
CO-57	0.00E+00	9.03E+02	1.07E+03	0.00E+00	0.00E+00	5.07E+05	1.32E+04	0.00E+00
CO-58	0.00E+00	1.77E+03	3.16E+03	0.00E+00	0.00E+00	1.11E+06	3.44E+04	0.00E+00
FE-59	2.07E+04	3.35E+04	1.67E+04	0.00E+00	0.00E+00	1.27E+06	7.07E+04	0.00E+00
CO-60	0.00E+00	1.31E+04	2.26E+04	0.00E+00	0.00E+00	7.07E+06	9.62E+04	0.00E+00
NI-59	6.14E+04	1.73E+04	1.05E+04	0.00E+00	0.00E+00	1.01E+05	2.33E+03	0.00E+00
NI-63	8.21E+05	4.63E+04	2.80E+04	0.00E+00	0.00E+00	2.75E+05	6.33E+03	0.00E+00
CU-64	0.00E+00	1.99E+00	1.07E+00	0.00E+00	6.03E+00	9.58E+03	3.67E+04	0.00E+00
NI-65	2.99E+00	2.96E-01	1.64E-01	0.00E+00	0.00E+00	8.18E+03	8.40E+04	0.00E+00
ZN-65	4.26E+04	1.13E+05	7.03E+04	0.00E+00	7.14E+04	9.95E+05	1.63E+04	0.00E+00
ZN-69m	1.58E+01	2.69E+01	3.18E+00	0.00E+00	1.56E+01	2.72E+04	1.00E+05	0.00E+00
ZN-69	6.70E-02	9.66E-02	8.92E-03	0.00E+00	5.85E-02	1.42E+03	1.02E+04	0.00E+00
SE-79	0.00E+00	4.55E+03	9.62E+02	0.00E+00	6.33E+03	5.51E+05	1.27E+04	0.00E+00
BR-82	0.00E+00	0.00E+00	2.09E+04	0.00E+00	0.00E+00	0.00E+00	3.70E-15	0.00E+00
BR-83	0.00E+00	0.00E+00	4.74E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
BR-84	0.00E+00	0.00E+00	5.48E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
BR-85	0.00E+00	0.00E+00	2.53E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RB-86	0.00E+00	1.98E+05	1.14E+05	0.00E+00	0.00E+00	0.00E+00	7.99E+03	0.00E+00
RB-87	0.00E+00	1.17E+05	5.07E+04	0.00E+00	0.00E+00	0.00E+00	1.10E+03	0.00E+00
RB-88	0.00E+00	5.62E+02	3.66E+02	0.00E+00	0.00E+00	0.00E+00	1.72E+01	0.00E+00
RB-89	0.00E+00	3.45E+02	2.90E+02	0.00E+00	0.00E+00	0.00E+00	1.89E+00	0.00E+00
SR-89	5.99E+05	0.00E+00	1.72E+04	0.00E+00	0.00E+00	2.16E+06	1.67E+05	0.00E+00
SR-90	1.01E+08	0.00E+00	6.44E+06	0.00E+00	0.00E+00	1.48E+07	3.43E+05	0.00E+00
Y-90	4.11E+03	0.00E+00	1.11E+02	0.00E+00	0.00E+00	2.62E+05	2.68E+05	0.00E+00
SR-91	1.21E+02	0.00E+00	4.59E+00	0.00E+00	0.00E+00	5.33E+04	1.74E+05	0.00E+00
Y-91m	5.07E-01	0.00E+00	1.84E-02	0.00E+00	0.00E+00	2.81E+03	1.72E+03	0.00E+00
Y-91	9.14E+05	0.00E+00	2.44E+04	0.00E+00	0.00E+00	2.63E+06	1.84E+05	0.00E+00

Table 4-25 (Page 2 of 4)

Child Inhalation P_imrem*m³/yr*μCi

<u>Nuclide</u>	<u>Bone</u>	<u>Liver</u>	<u>T Body</u>	<u>Thyroid</u>	<u>Kidney</u>	<u>Lung</u>	<u>GI-LLI</u>	<u>Skin</u>
SR-92	1.31E+01	0.00E+00	5.25E-01	0.00E+00	0.00E+00	2.40E+04	2.42E+05	0.00E+00
Y-92	2.04E+01	0.00E+00	5.81E-01	0.00E+00	0.00E+00	2.39E+04	2.39E+05	0.00E+00
Y-93	1.87E+02	0.00E+00	5.11E+00	0.00E+00	0.00E+00	7.44E+04	3.89E+05	0.00E+00
NB-93m	4.70E+05	1.17E+05	3.85E+04	0.00E+00	1.26E+05	3.85E+05	9.07E+03	0.00E+00
NB-95	2.35E+04	9.18E+03	6.55E+03	0.00E+00	8.62E+03	6.14E+05	3.70E+04	0.00E+00
NB-97	4.29E-01	7.70E-02	3.60E-02	0.00E+00	8.55E-02	3.42E+03	2.78E+04	0.00E+00
ZR-93	7.66E+05	2.89E+05	2.05E+05	0.00E+00	1.11E+06	2.63E+06	5.44E+04	0.00E+00
ZR-95	1.90E+05	4.18E+04	3.70E+04	0.00E+00	5.96E+04	2.23E+06	6.11E+04	0.00E+00
ZR-97	1.88E+02	2.72E+01	1.60E+01	0.00E+00	3.89E+01	1.13E+05	3.51E+05	0.00E+00
MO-93	0.00E+00	1.39E+04	5.00E+02	0.00E+00	3.92E+03	6.29E+05	1.40E+04	0.00E+00
MO-99	0.00E+00	1.72E+02	4.26E+01	0.00E+00	3.92E+02	1.35E+05	1.27E+05	0.00E+00
TC-99	4.96E+02	5.51E+02	1.98E+02	0.00E+00	6.48E+03	1.25E+06	2.87E+04	0.00E+00
TC-99m	1.78E-03	3.48E-03	5.77E-02	0.00E+00	5.07E-02	9.51E+02	4.81E+03	0.00E+00
TC-101	8.10E-05	8.51E-05	1.08E-03	0.00E+00	1.45E-03	5.85E+02	1.63E+01	0.00E+00
RU-103	2.79E+03	0.00E+00	1.07E+03	0.00E+00	7.03E+03	6.62E+05	4.48E+04	0.00E+00
RU-105	1.53E+00	0.00E+00	5.55E-01	0.00E+00	1.34E+00	1.59E+04	9.95E+04	0.00E+00
RU-106	1.36E+05	0.00E+00	1.69E+04	0.00E+00	1.84E+05	1.43E+07	4.29E+05	0.00E+00
RH-105	1.45E+01	7.77E+00	6.62E+00	0.00E+00	3.10E+01	2.89E+04	4.92E+04	0.00E+00
PD-107	0.00E+00	9.81E+02	9.29E+01	0.00E+00	7.29E+03	1.17E+05	2.69E+03	0.00E+00
PD-109	0.00E+00	5.48E+00	1.83E+00	0.00E+00	2.61E+01	2.28E+04	9.58E+04	0.00E+00
AG-110m	1.69E+04	1.14E+04	9.14E+03	0.00E+00	2.12E+04	5.48E+06	1.00E+05	0.00E+00
AG-111	6.70E+02	2.10E+02	1.39E+02	0.00E+00	6.33E+02	2.86E+05	1.10E+05	0.00E+00
CD-113m	0.00E+00	1.82E+06	7.84E+04	0.00E+00	1.90E+06	2.57E+06	6.03E+04	0.00E+00
CD-115m	0.00E+00	2.92E+05	1.25E+04	0.00E+00	2.19E+05	2.17E+06	1.84E+05	0.00E+00
SN-123	4.77E+05	7.92E+03	1.55E+04	8.40E+03	0.00E+00	3.55E+06	1.50E+05	0.00E+00
SN-125	1.83E+04	3.68E+02	1.09E+03	3.81E+02	0.00E+00	8.99E+05	2.65E+05	0.00E+00
SN-126	2.31E+06	3.85E+04	8.73E+04	1.05E+04	0.00E+00	1.12E+07	6.03E+04	0.00E+00
SB-124	5.66E+06	7.40E+02	2.00E+04	1.26E+02	0.00E+00	3.24E+06	1.64E+05	0.00E+00
SB-125	9.84E+04	7.59E+02	1.99E+04	9.10E+01	0.00E+00	2.32E+06	4.03E+04	0.00E+00
SB-126	6.36E+03	9.69E+01	2.28E+03	3.70E+01	0.00E+00	1.06E+06	2.10E+05	0.00E+00
SB-127	5.03E+02	7.73E+00	1.74E+02	5.59E+00	0.00E+00	2.28E+05	1.41E+05	0.00E+00
TE-125m	6.73E+03	2.33E+03	9.14E+02	1.92E+03	0.00E+00	4.77E+05	3.38E+04	0.00E+00
TE-127m	2.49E+04	8.55E+03	3.02E+03	6.07E+03	6.36E+04	1.48E+06	7.14E+04	0.00E+00
TE-127	2.77E+00	9.51E-01	6.11E-01	1.96E+00	7.07E+00	1.00E+04	5.62E+04	0.00E+00
TE-129m	1.92E+04	6.85E+03	3.04E+03	6.33E+03	5.03E+04	1.76E+06	1.82E+05	0.00E+00
TE-129	9.77E-02	3.50E-02	2.38E-02	7.14E-02	2.57E-01	2.93E+03	2.55E+04	0.00E+00
TE-133m	1.08E-01	5.59E-02	5.55E-02	8.58E-02	3.74E-01	5.92E+03	1.76E+04	0.00E+00

Table 4-25 (Page 3 of 4)

Child Inhalation P_imrem*m³/yr*μCi

<u>Nuclide</u>	<u>Bone</u>	<u>Liver</u>	<u>T Body</u>	<u>Thyroid</u>	<u>Kidney</u>	<u>Lung</u>	<u>GI-LLI</u>	<u>Skin</u>
TE-134	5.66E-02	3.26E-02	3.48E-02	4.59E-02	2.11E-01	4.55E+03	1.80E+03	0.00E+00
I-129	3.89E+04	2.37E+04	2.11E+04	1.58E+07	4.00E+04	0.00E+00	7.96E+02	0.00E+00
I-130	8.18E+03	1.64E+04	8.44E+03	1.85E+06	2.45E+04	0.00E+00	5.11E+03	0.00E+00
I-131	4.81E+04	4.81E+04	2.73E+04	1.62E+07	7.88E+04	0.00E+00	2.84E+03	0.00E+00
TE-131m	1.34E+02	5.92E+01	5.07E+01	9.77E+01	4.00E+02	2.06E+05	3.08E+05	0.00E+00
TE-131	2.17E-02	8.44E-03	6.59E-03	1.70E-02	5.88E-02	2.05E+03	1.33E+03	0.00E+00
I-132	2.12E+03	4.07E+03	1.88E+03	1.94E+05	6.25E+03	0.00E+00	3.20E+03	0.00E+00
TE-132	4.81E+02	2.72E+02	2.63E+02	3.18E+02	1.77E+03	3.77E+05	1.38E+05	0.00E+00
I-133	1.66E+04	2.03E+04	7.70E+03	3.85E+06	3.38E+04	0.00E+00	5.48E+03	0.00E+00
CS-134m	2.34E+02	3.30E+02	2.26E+02	0.00E+00	1.83E+02	3.09E+01	2.93E+02	0.00E+00
CS-134	6.51E+05	1.01E+06	2.25E+05	0.00E+00	3.30E+05	1.21E+05	3.85E+03	0.00E+00
I-134	1.17E+03	2.16E+03	9.95E+02	5.07E+04	3.30E+03	0.00E+00	9.55E+02	0.00E+00
I-135	4.92E+03	8.73E+03	4.14E+03	7.92E+05	1.34E+04	0.00E+00	4.44E+03	0.00E+00
CS-135	2.31E+05	1.53E+05	1.65E+04	0.00E+00	5.66E+04	1.93E+04	8.03E+02	0.00E+00
CS-136	6.51E+04	1.71E+05	1.16E+05	0.00E+00	9.55E+04	1.45E+04	4.18E+03	0.00E+00
CS-137	9.07E+05	8.25E+05	1.28E+05	0.00E+00	2.82E+05	1.04E+05	3.62E+03	0.00E+00
CS-138	6.33E+02	8.40E+02	5.55E+02	0.00E+00	6.22E+02	6.81E+01	2.70E+02	0.00E+00
CS-139	4.03E+02	4.26E+02	2.15E+02	0.00E+00	3.36E+02	3.46E+01	2.68E-02	0.00E+00
BA-139	1.84E+00	9.84E-04	5.37E-02	0.00E+00	8.62E-04	5.77E+03	5.77E+04	0.00E+00
BA-140	7.40E+04	6.48E+01	4.33E+03	0.00E+00	2.11E+01	1.74E+06	1.02E+05	0.00E+00
LA-140	6.44E+02	2.25E+02	7.55E+01	0.00E+00	0.00E+00	1.83E+05	2.26E+05	0.00E+00
BA-141	1.96E-01	1.09E-04	6.36E-03	0.00E+00	9.47E-05	2.92E+03	2.75E+02	0.00E+00
LA-141	8.47E+00	1.96E+00	4.26E-01	0.00E+00	0.00E+00	1.66E+04	1.62E+05	0.00E+00
CE-141	3.92E+04	1.95E+04	2.90E+03	0.00E+00	8.55E+03	5.44E+05	5.66E+04	0.00E+00
BA-142	5.00E-02	3.60E-05	2.79E-03	0.00E+00	2.91E-05	1.64E+03	2.74E+00	0.00E+00
LA-142	1.30E+00	4.11E-01	1.29E-01	0.00E+00	0.00E+00	8.70E+03	7.59E+04	0.00E+00
CE-143	3.66E+02	1.99E+02	2.88E+01	0.00E+00	8.36E+01	1.15E+05	1.27E+05	0.00E+00
PR-143	1.85E+04	5.55E+03	9.14E+02	0.00E+00	3.00E+03	4.33E+05	9.73E+04	0.00E+00
CE-144	6.77E+06	2.12E+06	3.62E+05	0.00E+00	1.17E+06	1.20E+07	3.89E+05	0.00E+00
PR-144	5.96E-02	1.85E-02	3.00E-03	0.00E+00	9.77E-03	1.57E+03	1.97E+02	0.00E+00
ND-147	1.08E+04	8.73E+03	6.81E+02	0.00E+00	4.81E+03	3.28E+05	8.21E+04	0.00E+00
PM-147	1.30E+06	9.32E+04	5.03E+04	0.00E+00	1.65E+05	8.14E+05	2.11E+04	0.00E+00
PM-148m	1.22E+05	2.42E+04	2.42E+04	0.00E+00	3.60E+04	2.12E+06	1.32E+05	0.00E+00
PM-148	5.96E+03	7.18E+02	4.63E+02	0.00E+00	1.22E+03	4.59E+05	2.22E+05	0.00E+00
PM-149	5.44E+02	5.77E+01	3.13E+01	0.00E+00	1.02E+02	8.88E+04	1.08E+05	0.00E+00
PM-151	1.32E+02	1.60E+01	1.04E+01	0.00E+00	2.72E+01	4.59E+04	9.55E+04	0.00E+00
SM-151	1.16E+06	1.76E+05	5.51E+04	0.00E+00	1.81E+05	5.48E+05	1.27E+04	0.00E+00

Table 4-25 (Page 4 of 4)

Child Inhalation P_imrem*m³/yr*μCi

<u>Nuclide</u>	<u>Bone</u>	<u>Liver</u>	<u>T Body</u>	<u>Thyroid</u>	<u>Kidney</u>	<u>Lung</u>	<u>GI-LLI</u>	<u>Skin</u>
SM-153	2.68E+02	1.67E+02	1.61E+01	0.00E+00	5.07E+01	5.07E+04	6.92E+04	0.00E+00
EU-152	2.75E+06	5.07E+05	5.96E+05	0.00E+00	2.12E+06	3.33E+06	4.22E+04	0.00E+00
EU-154	1.01E+07	9.21E+05	8.40E+05	0.00E+00	4.03E+06	6.14E+06	1.10E+05	0.00E+00
EU-155	2.07E+06	1.50E+05	1.18E+05	0.00E+00	5.59E+05	1.03E+06	1.99E+05	0.00E+00
EU-156	2.92E+04	1.57E+04	3.24E+03	0.00E+00	1.01E+04	9.40E+05	1.57E+05	0.00E+00
TB-160	2.88E+05	0.00E+00	3.58E+04	0.00E+00	8.58E+04	1.98E+06	8.44E+04	0.00E+00
HO-166m	4.96E+06	1.04E+06	8.77E+05	0.00E+00	1.48E+06	4.18E+06	6.03E+04	0.00E+00
W-181	9.84E+01	2.41E+01	3.33E+00	0.00E+00	0.00E+00	2.11E+04	9.66E+02	0.00E+00
W-185	3.07E+03	7.70E+02	1.08E+02	0.00E+00	0.00E+00	6.88E+05	4.11E+04	0.00E+00
W-187	1.63E+01	9.66E+00	4.33E+00	0.00E+00	0.00E+00	4.11E+04	9.10E+04	0.00E+00
NP-239	4.66E+02	3.35E+01	2.35E+01	0.00E+00	9.73E+01	5.81E+04	6.40E+04	0.00E+00
U-232	8.10E+08	0.00E+00	5.77E+07	0.00E+00	6.18E+07	2.75E+09	1.60E+05	0.00E+00
U-233	1.72E+08	0.00E+00	1.04E+07	0.00E+00	2.82E+07	6.55E+08	1.48E+05	0.00E+00
U-234	1.65E+08	0.00E+00	1.02E+07	0.00E+00	2.76E+07	6.44E+08	1.45E+05	0.00E+00
U-235	1.58E+08	0.00E+00	9.58E+06	0.00E+00	2.59E+07	6.03E+08	1.84E+05	0.00E+00
U-236	1.58E+08	0.00E+00	9.81E+06	0.00E+00	2.65E+07	6.18E+08	1.36E+05	0.00E+00
U-237	5.81E+02	0.00E+00	1.54E+02	0.00E+00	1.68E+03	1.26E+05	4.77E+04	0.00E+00
U-238	1.51E+08	0.00E+00	8.95E+06	0.00E+00	2.42E+07	5.66E+08	1.30E+05	0.00E+00
NP-237	1.01E+10	5.99E+09	4.40E+08	0.00E+00	2.74E+09	6.44E+08	1.87E+05	0.00E+00
NP-238	4.66E+03	8.51E+02	7.29E+01	0.00E+00	3.02E+02	1.25E+05	9.25E+04	0.00E+00
PU-238	9.44E+09	5.92E+09	4.48E+08	0.00E+00	1.65E+09	2.25E+09	1.72E+05	0.00E+00
PU-239	1.03E+10	6.22E+09	4.74E+08	0.00E+00	1.77E+09	2.12E+09	1.57E+05	0.00E+00
PU-240	1.03E+10	6.22E+09	4.70E+08	0.00E+00	1.76E+09	2.11E+09	1.60E+05	0.00E+00
PU-241	2.94E+08	6.48E+07	1.08E+07	0.00E+00	4.07E+07	1.87E+06	3.29E+03	0.00E+00
PU-242	9.58E+09	5.99E+09	4.55E+08	0.00E+00	1.70E+09	2.04E+09	1.54E+05	0.00E+00
PU-244	1.12E+10	6.85E+09	5.22E+08	0.00E+00	1.95E+09	2.33E+09	2.29E+05	0.00E+00
AM-241	1.10E+10	6.81E+09	4.59E+08	0.00E+00	2.82E+09	7.47E+08	1.75E+05	0.00E+00
AM-242m	1.14E+10	6.51E+09	4.70E+08	0.00E+00	2.85E+09	3.01E+08	2.21E+05	0.00E+00
AM-243	1.09E+10	6.59E+09	4.44E+08	0.00E+00	2.75E+09	7.10E+08	2.05E+05	0.00E+00
CM-242	3.51E+08	2.10E+08	1.55E+07	0.00E+00	4.96E+07	4.85E+08	1.87E+05	0.00E+00
CM-243	8.58E+09	5.25E+09	3.68E+08	0.00E+00	1.38E+09	7.77E+08	1.84E+05	0.00E+00
CM-244	7.18E+09	4.37E+09	3.07E+08	0.00E+00	1.13E+09	7.47E+08	1.78E+05	0.00E+00
CM-245	1.13E+10	6.81E+09	4.74E+08	0.00E+00	1.86E+09	7.22E+08	1.66E+05	0.00E+00
CM-246	1.12E+10	6.81E+09	4.74E+08	0.00E+00	1.86E+09	7.36E+08	1.63E+05	0.00E+00
CM-247	1.09E+10	6.73E+09	4.66E+08	0.00E+00	1.83E+09	7.22E+08	2.15E+05	0.00E+00
CM-248	9.07E+10	5.55E+10	3.85E+09	0.00E+00	1.51E+10	5.96E+09	3.46E+06	0.00E+00
CF-252	8.07E+09	0.00E+00	3.45E+08	0.00E+00	0.00E+00	2.45E+09	6.81E+05	0.00E+00