

NRC RA18-026

2017 Annual Radioactive Effluent Release Report

Part 8

Table 4-33 (Page 1 of 4)

Infant Vegetation R_im²*mrem*sec/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>
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 4-33 (Page 2 of 4)

Infant Vegetation R_im²*mrem*sec/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	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 4-33 (Page 3 of 4)

Infant Vegetation R_i $m^2 \cdot mrem \cdot sec/yr \cdot \mu Ci$

<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 4-33 (Page 4 of 4)

Infant Vegetation R_im²*mrem*sec/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	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 4-34 (Page 1 of 4)

Child Vegetation R_im²*mrem*sec/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>
H-3	0.00E+00	2.29E+03	2.29E+03	2.29E+03	2.29E+03	2.29E+03	2.29E+03	0.00E+00
C-14	3.50E+06	7.01E+05	7.01E+05	7.01E+05	7.01E+05	7.01E+05	7.01E+05	0.00E+00
NA-22	4.09E+09	4.09E+09	4.09E+09	4.09E+09	4.09E+09	4.09E+09	4.09E+09	0.00E+00
NA-24	3.71E+05	3.71E+05	3.71E+05	3.71E+05	3.71E+05	3.71E+05	3.71E+05	0.00E+00
P-32	3.37E+09	1.58E+08	1.30E+08	0.00E+00	0.00E+00	0.00E+00	9.31E+07	0.00E+00
CA-41	2.55E+10	0.00E+00	2.79E+09	0.00E+00	0.00E+00	0.00E+00	1.40E+07	0.00E+00
SC-46	7.85E+05	1.08E+06	4.14E+05	0.00E+00	9.53E+05	0.00E+00	1.57E+09	0.00E+00
CR-51	0.00E+00	0.00E+00	1.17E+05	6.50E+04	1.78E+04	1.19E+05	6.21E+06	0.00E+00
MN-54	0.00E+00	6.65E+08	1.77E+08	0.00E+00	1.86E+08	0.00E+00	5.58E+08	0.00E+00
FE-55	8.01E+08	4.25E+08	1.32E+08	0.00E+00	0.00E+00	2.40E+08	7.87E+07	0.00E+00
MN-56	0.00E+00	1.82E+01	4.11E+00	0.00E+00	2.20E+01	0.00E+00	2.64E+03	0.00E+00
CO-57	0.00E+00	2.99E+07	6.04E+07	0.00E+00	0.00E+00	0.00E+00	2.45E+08	0.00E+00
CO-58	0.00E+00	6.44E+07	1.97E+08	0.00E+00	0.00E+00	0.00E+00	3.76E+08	0.00E+00
FE-59	3.98E+08	6.43E+08	3.20E+08	0.00E+00	0.00E+00	1.86E+08	6.70E+08	0.00E+00
CO-60	0.00E+00	3.78E+08	1.12E+09	0.00E+00	0.00E+00	0.00E+00	2.10E+09	0.00E+00
NI-59	2.96E+09	7.87E+08	5.01E+08	0.00E+00	0.00E+00	0.00E+00	5.22E+07	0.00E+00
NI-63	3.95E+10	2.11E+09	1.34E+09	0.00E+00	0.00E+00	0.00E+00	1.42E+08	0.00E+00
CU-64	0.00E+00	1.09E+04	6.60E+03	0.00E+00	2.64E+04	0.00E+00	5.13E+05	0.00E+00
NI-65	1.02E+02	9.59E+00	5.60E+00	0.00E+00	0.00E+00	0.00E+00	1.17E+03	0.00E+00
ZN-65	8.13E+08	2.16E+09	1.35E+09	0.00E+00	1.36E+09	0.00E+00	3.80E+08	0.00E+00
ZN-69m	3.78E+04	6.44E+04	7.61E+03	0.00E+00	3.74E+04	0.00E+00	2.10E+06	0.00E+00
ZN-69	8.73E-06	1.26E-05	1.17E-06	0.00E+00	7.66E-06	0.00E+00	7.96E-04	0.00E+00
SE-79	0.00E+00	6.20E+08	1.37E+08	0.00E+00	1.01E+09	0.00E+00	4.06E+07	0.00E+00
BR-82	0.00E+00	0.00E+00	2.03E+06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
BR-83	0.00E+00	0.00E+00	5.20E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
BR-84	0.00E+00	0.00E+00	3.30E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
BR-85	0.00E+00	0.00E+00	3.59E-151	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RB-86	0.00E+00	4.52E+08	2.78E+08	0.00E+00	0.00E+00	0.00E+00	2.91E+07	0.00E+00
RB-87	0.00E+00	2.90E+09	1.35E+09	0.00E+00	0.00E+00	0.00E+00	4.35E+07	0.00E+00
RB-88	0.00E+00	3.37E-22	2.34E-22	0.00E+00	0.00E+00	0.00E+00	1.65E-23	0.00E+00
RB-89	0.00E+00	3.42E-26	3.04E-26	0.00E+00	0.00E+00	0.00E+00	2.98E-28	0.00E+00
SR-89	3.60E+10	0.00E+00	1.03E+09	0.00E+00	0.00E+00	0.00E+00	1.39E+09	0.00E+00
SR-90	1.87E+12	0.00E+00	3.77E+10	0.00E+00	0.00E+00	0.00E+00	1.67E+10	0.00E+00
Y-90	2.30E+04	0.00E+00	6.17E+02	0.00E+00	0.00E+00	0.00E+00	6.56E+07	0.00E+00
SR-91	5.20E+05	0.00E+00	1.96E+04	0.00E+00	0.00E+00	0.00E+00	1.15E+06	0.00E+00
Y-91m	8.12E-09	0.00E+00	2.95E-10	0.00E+00	0.00E+00	0.00E+00	1.59E-05	0.00E+00
Y-91	1.86E+07	0.00E+00	4.99E+05	0.00E+00	0.00E+00	0.00E+00	2.48E+09	0.00E+00

Table 4-34 (Page 2 of 4)

Child Vegetation R_im²*mrem*sec/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	7.07E+02	0.00E+00	2.84E+01	0.00E+00	0.00E+00	0.00E+00	1.34E+04	0.00E+00
Y-92	1.55E+00	0.00E+00	4.43E-02	0.00E+00	0.00E+00	0.00E+00	4.48E+04	0.00E+00
Y-93	2.91E+02	0.00E+00	7.98E+00	0.00E+00	0.00E+00	0.00E+00	4.34E+06	0.00E+00
NB-93m	7.64E+06	1.91E+06	6.27E+05	0.00E+00	2.06E+06	0.00E+00	2.87E+08	0.00E+00
NB-95	4.10E+05	1.60E+05	1.14E+05	0.00E+00	1.50E+05	0.00E+00	2.96E+08	0.00E+00
NB-97	3.41E-06	6.16E-07	2.88E-07	0.00E+00	6.84E-07	0.00E+00	1.90E-01	0.00E+00
ZR-93	1.23E+07	4.59E+06	3.27E+06	0.00E+00	1.78E+07	0.00E+00	1.74E+09	0.00E+00
ZR-95	3.86E+06	8.48E+05	7.55E+05	0.00E+00	1.21E+06	0.00E+00	8.85E+08	0.00E+00
ZR-97	5.68E+02	8.20E+01	4.84E+01	0.00E+00	1.18E+02	0.00E+00	1.24E+07	0.00E+00
MO-93	0.00E+00	1.77E+09	6.36E+07	0.00E+00	4.67E+08	0.00E+00	8.97E+07	0.00E+00
MO-99	0.00E+00	7.70E+06	1.91E+06	0.00E+00	1.64E+07	0.00E+00	6.37E+06	0.00E+00
TC-99	3.93E+07	4.38E+07	1.57E+07	0.00E+00	5.16E+08	3.87E+06	4.59E+08	0.00E+00
TC-99m	4.65E+00	9.12E+00	1.51E+02	0.00E+00	1.32E+02	4.63E+00	5.19E+03	0.00E+00
TC-101	1.02E-30	1.06E-30	1.35E-29	0.00E+00	1.81E-29	5.62E-31	3.38E-30	0.00E+00
RU-103	1.53E+07	0.00E+00	5.90E+06	0.00E+00	3.86E+07	0.00E+00	3.97E+08	0.00E+00
RU-105	9.01E+01	0.00E+00	3.27E+01	0.00E+00	7.92E+02	0.00E+00	5.88E+04	0.00E+00
RU-106	7.45E+08	0.00E+00	9.30E+07	0.00E+00	1.01E+09	0.00E+00	1.16E+10	0.00E+00
RH-105	1.39E+05	7.45E+04	6.37E+04	0.00E+00	2.97E+05	0.00E+00	4.62E+06	0.00E+00
PD-107	0.00E+00	3.47E+07	2.95E+06	0.00E+00	2.90E+08	0.00E+00	6.89E+07	0.00E+00
PD-109	0.00E+00	2.88E+04	8.62E+03	0.00E+00	1.54E+05	0.00E+00	1.70E+06	0.00E+00
AG-110m	3.21E+07	2.17E+07	1.73E+07	0.00E+00	4.04E+07	0.00E+00	2.58E+09	0.00E+00
AG-111	3.79E+05	1.19E+05	7.83E+04	0.00E+00	3.58E+05	0.00E+00	7.26E+07	0.00E+00
CD-113m	0.00E+00	7.42E+08	3.16E+07	0.00E+00	7.64E+08	0.00E+00	1.91E+09	0.00E+00
CD-115m	0.00E+00	1.42E+08	6.04E+06	0.00E+00	1.05E+08	0.00E+00	1.93E+09	0.00E+00
SN-123	6.54E+09	8.12E+07	1.59E+08	8.61E+07	0.00E+00	0.00E+00	3.21E+09	0.00E+00
SN-125	7.45E+07	1.12E+06	3.34E+06	1.17E+06	0.00E+00	0.00E+00	2.31E+08	0.00E+00
SN-126	2.45E+10	3.05E+08	6.95E+08	8.38E+07	0.00E+00	0.00E+00	1.84E+09	0.00E+00
SB-124	3.52E+08	4.56E+06	1.23E+08	7.77E+05	0.00E+00	1.95E+08	2.20E+09	0.00E+00
SB-125	5.00E+08	3.85E+06	1.05E+08	4.63E+05	0.00E+00	2.78E+08	1.19E+09	0.00E+00
SB-126	1.39E+07	2.12E+05	4.98E+06	8.13E+04	0.00E+00	6.62E+06	2.79E+08	0.00E+00
SB-127	8.67E+05	1.34E+04	3.01E+05	9.65E+03	0.00E+00	3.76E+05	4.88E+07	0.00E+00
TE-125m	3.51E+08	9.50E+07	4.67E+07	9.84E+07	0.00E+00	0.00E+00	3.38E+08	0.00E+00
TE-127m	1.32E+09	3.56E+08	1.57E+08	3.16E+08	3.77E+09	0.00E+00	1.07E+09	0.00E+00
TE-127	9.76E+03	2.63E+03	2.09E+03	6.76E+03	2.78E+04	0.00E+00	3.81E+05	0.00E+00
TE-129m	8.41E+08	2.35E+08	1.31E+08	2.71E+08	2.47E+09	0.00E+00	1.03E+09	0.00E+00
TE-129	1.24E-03	3.45E-04	2.94E-04	8.82E-04	3.62E-03	0.00E+00	7.70E-02	0.00E+00
TE-133m	3.48E-05	1.41E-05	1.74E-05	2.70E-05	1.34E-04	0.00E+00	1.07E-03	0.00E+00

Table 4-34 (Page 3 of 4)

Child Vegetation R_im²*mrem*sec/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	5.16E-08	2.32E-08	3.10E-08	4.08E-08	2.15E-07	0.00E+00	2.36E-07	0.00E+00
I-129	5.11E+09	3.14E+09	2.80E+09	2.05E+12	5.29E+09	0.00E+00	1.58E+08	0.00E+00
I-130	6.12E+05	1.24E+06	6.37E+05	1.36E+08	1.85E+06	0.00E+00	5.78E+05	0.00E+00
I-131	1.43E+08	1.44E+08	8.17E+07	4.75E+10	2.36E+08	0.00E+00	1.28E+07	0.00E+00
TE-131m	1.54E+06	5.32E+05	5.66E+05	1.09E+06	5.15E+06	0.00E+00	2.16E+07	0.00E+00
TE-131	2.14E-15	6.51E-16	6.35E-16	1.63E-15	6.46E-15	0.00E+00	1.12E-14	0.00E+00
I-132	8.91E+01	1.64E+02	7.53E+01	7.60E+03	2.51E+02	0.00E+00	1.93E+02	0.00E+00
TE-132	6.99E+06	3.10E+06	3.74E+06	4.51E+06	2.87E+07	0.00E+00	3.12E+07	0.00E+00
I-133	3.52E+06	4.35E+06	1.65E+06	8.08E+08	7.25E+06	0.00E+00	1.75E+06	0.00E+00
CS-134m	1.06E+01	1.57E+01	1.02E+01	0.00E+00	8.26E+00	1.37E+00	1.98E+01	0.00E+00
CS-134	1.60E+10	2.63E+10	5.55E+09	0.00E+00	8.15E+09	2.93E+09	1.42E+08	0.00E+00
I-134	1.42E-04	2.64E-04	1.21E-04	6.07E-03	4.03E-04	0.00E+00	1.75E-04	0.00E+00
I-135	6.18E+04	1.11E+05	5.26E+04	9.86E+06	1.71E+05	0.00E+00	8.48E+04	0.00E+00
CS-135	6.10E+09	4.25E+09	4.36E+08	0.00E+00	1.50E+09	5.01E+08	3.18E+07	0.00E+00
CS-136	8.24E+07	2.27E+08	1.47E+08	0.00E+00	1.21E+08	1.80E+07	7.96E+06	0.00E+00
CS-137	2.39E+10	2.29E+10	3.38E+09	0.00E+00	7.46E+09	2.68E+09	1.43E+08	0.00E+00
CS-138	5.69E-11	7.91E-11	5.02E-11	0.00E+00	5.57E-11	5.99E-12	3.64E-11	0.00E+00
CS-139	2.35E-44	2.61E-44	1.26E-44	0.00E+00	1.96E-44	1.98E-45	2.35E-48	0.00E+00
BA-139	4.69E-02	2.50E-05	1.36E-03	0.00E+00	2.18E-05	1.47E-05	2.70E+00	0.00E+00
BA-140	2.77E+08	2.42E+05	1.61E+07	0.00E+00	7.89E+04	1.44E+05	1.40E+08	0.00E+00
LA-140	3.24E+03	1.13E+03	3.82E+02	0.00E+00	0.00E+00	0.00E+00	3.16E+07	0.00E+00
BA-141	1.54E-21	8.64E-25	5.02E-23	0.00E+00	7.47E-25	5.07E-24	8.79E-22	0.00E+00
LA-141	1.05E+00	2.44E-01	5.31E-02	0.00E+00	0.00E+00	0.00E+00	5.44E+04	0.00E+00
CE-141	6.56E+05	3.27E+05	4.86E+04	0.00E+00	1.43E+05	0.00E+00	4.08E+08	0.00E+00
BA-142	6.46E-39	4.65E-42	3.61E-40	0.00E+00	3.76E-42	2.74E-42	8.43E-41	0.00E+00
LA-142	3.20E-04	1.02E-04	3.19E-05	0.00E+00	0.00E+00	0.00E+00	2.02E+01	0.00E+00
CE-143	1.71E+03	9.29E+05	1.35E+02	0.00E+00	3.90E+02	0.00E+00	1.36E+07	0.00E+00
PR-143	1.46E+05	4.37E+04	7.22E+03	0.00E+00	2.37E+04	0.00E+00	1.57E+08	0.00E+00
CE-144	1.27E+08	3.98E+07	6.78E+06	0.00E+00	2.21E+07	0.00E+00	1.04E+10	0.00E+00
PR-144	4.11E-26	1.27E-26	2.07E-27	0.00E+00	6.73E-27	0.00E+00	2.74E-23	0.00E+00
ND-147	7.15E+04	5.79E+04	4.48E+03	0.00E+00	3.18E+04	0.00E+00	9.17E+07	0.00E+00
PM-147	2.21E+07	1.58E+06	8.49E+05	0.00E+00	2.79E+06	0.00E+00	6.39E+08	0.00E+00
PM-148m	2.28E+06	4.54E+05	4.54E+05	0.00E+00	6.74E+05	0.00E+00	1.28E+09	0.00E+00
PM-148	3.36E+04	4.04E+03	2.62E+03	0.00E+00	6.87E+03	0.00E+00	1.08E+08	0.00E+00
PM-149	2.94E+03	3.12E+02	1.69E+02	0.00E+00	5.52E+02	0.00E+00	2.13E+07	0.00E+00
PM-151	5.75E+02	6.99E+01	4.55E+01	0.00E+00	1.19E+02	0.00E+00	7.93E+06	0.00E+00
SM-151	1.88E+07	2.80E+06	8.81E+05	0.00E+00	2.89E+06	0.00E+00	4.06E+08	0.00E+00

Table 4-34 (Page 4 of 4)

Child Vegetation R_i

m²*mrem*sec/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	1.42E+03	8.80E+02	8.49E+01	0.00E+00	2.68E+02	0.00E+00	1.17E+07	0.00E+00
EU-152	4.47E+07	8.15E+06	9.67E+06	0.00E+00	3.44E+07	0.00E+00	1.34E+09	0.00E+00
EU-154	1.66E+08	1.50E+07	1.37E+07	0.00E+00	6.57E+07	0.00E+00	3.48E+09	0.00E+00
EU-155	3.44E+07	2.48E+06	1.94E+06	0.00E+00	9.28E+06	0.00E+00	6.20E+09	0.00E+00
EU-156	2.58E+05	1.38E+05	2.86E+04	0.00E+00	8.89E+04	0.00E+00	3.13E+08	0.00E+00
TB-160	6.02E+06	0.00E+00	7.47E+05	0.00E+00	1.79E+06	0.00E+00	1.34E+09	0.00E+00
HO-166m	7.94E+07	1.66E+07	1.40E+07	0.00E+00	2.37E+07	0.00E+00	7.35E-11	0.00E+00
W-181	2.03E+06	4.98E+05	6.85E+04	0.00E+00	0.00E+00	0.00E+00	1.81E+07	0.00E+00
W-185	6.44E+07	1.61E+07	2.25E+06	0.00E+00	0.00E+00	0.00E+00	5.99E+08	0.00E+00
W-187	6.41E+04	3.80E+04	1.70E+04	0.00E+00	0.00E+00	0.00E+00	5.34E+06	0.00E+00
NP-239	2.56E+03	1.84E+02	1.29E+02	0.00E+00	5.31E+02	0.00E+00	1.36E+07	0.00E+00
U-232	1.29E+12	0.00E+00	9.24E+10	0.00E+00	9.83E+10	0.00E+00	5.12E+09	0.00E+00
U-233	2.73E+11	0.00E+00	1.65E+10	0.00E+00	4.48E+10	0.00E+00	4.74E+09	0.00E+00
U-234	2.62E+11	0.00E+00	1.62E+10	0.00E+00	4.40E+10	0.00E+00	4.65E+09	0.00E+00
U-235	2.51E+11	0.00E+00	1.52E+10	0.00E+00	4.12E+10	0.00E+00	5.90E+09	0.00E+00
U-236	2.51E+11	0.00E+00	1.56E+10	0.00E+00	4.21E+10	0.00E+00	4.35E+09	0.00E+00
U-237	3.26E+05	0.00E+00	8.65E+04	0.00E+00	9.39E+05	0.00E+00	2.87E+07	0.00E+00
U-238	2.40E+11	0.00E+00	1.43E+10	0.00E+00	3.85E+10	0.00E+00	4.16E+09	0.00E+00
NP-237	1.64E+11	1.08E+10	7.20E+09	0.00E+00	4.45E+10	0.00E+00	6.00E+09	0.00E+00
NP-238	2.50E+04	5.07E+02	3.90E+02	0.00E+00	1.62E+03	0.00E+00	1.74E+07	0.00E+00
PU-238	8.73E+10	1.01E+10	2.32E+09	0.00E+00	8.44E+09	0.00E+00	5.50E+09	0.00E+00
PU-239	9.48E+10	1.01E+10	2.43E+09	0.00E+00	8.97E+09	0.00E+00	5.04E+09	0.00E+00
PU-240	9.41E+10	1.05E+10	2.43E+09	0.00E+00	8.97E+09	0.00E+00	5.13E+09	0.00E+00
PU-241	2.82E+09	1.15E+08	5.85E+07	0.00E+00	2.15E+08	0.00E+00	1.05E+08	0.00E+00
PU-242	8.75E+10	1.01E+10	2.34E+09	0.00E+00	8.60E+09	0.00E+00	4.93E+09	0.00E+00
PU-244	1.02E+11	1.16E+11	2.68E+09	0.00E+00	9.92E+09	0.00E+00	7.35E+09	0.00E+00
AM-241	9.99E+10	8.60E+10	7.50E+09	0.00E+00	4.58E+10	0.00E+00	5.61E+09	0.00E+00
AM-242m	1.03E+11	8.23E+10	7.64E+09	0.00E+00	4.63E+10	0.00E+00	7.06E+09	0.00E+00
AM-243	9.85E+10	8.31E+10	7.23E+09	0.00E+00	4.45E+10	0.00E+00	6.58E+09	0.00E+00
CM-242	4.69E+09	3.74E+09	3.12E+08	0.00E+00	9.99E+08	0.00E+00	4.36E+09	0.00E+00
CM-243	9.36E+10	7.61E+10	6.03E+09	0.00E+00	2.25E+10	0.00E+00	5.87E+09	0.00E+00
CM-244	7.88E+10	6.37E+10	5.05E+09	0.00E+00	1.85E+10	0.00E+00	5.67E+09	0.00E+00
CM-245	1.23E+11	9.85E+10	7.72E+09	0.00E+00	3.02E+10	0.00E+00	5.32E+09	0.00E+00
CM-246	1.21E+11	9.85E+10	7.72E+09	0.00E+00	3.01E+10	0.00E+00	5.23E+09	0.00E+00
CM-247	1.18E+11	9.70E+10	7.57E+09	0.00E+00	2.97E+10	0.00E+00	6.87E+09	0.00E+00
CM-248	9.85E+11	8.01E+11	6.26E+10	0.00E+00	2.45E+11	0.00E+00	1.11E+11	0.00E+00
CF-252	7.31E+10	0.00E+00	1.77E+09	0.00E+00	0.00E+00	0.00E+00	2.06E+10	0.00E+00

Table 4-35 (Page 1 of 4)

Teen Vegetation R_im²*mrem*sec/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>
H-3	0.00E+00	1.47E+03	1.47E+03	1.47E+03	1.47E+03	1.47E+03	1.47E+03	0.00E+00
C-14	1.45E+06	2.91E+05	2.91E+05	2.91E+05	2.91E+05	2.91E+05	2.91E+05	0.00E+00
NA-22	2.01E+09	2.01E+09	2.01E+09	2.01E+09	2.01E+09	2.01E+09	2.01E+09	0.00E+00
NA-24	2.38E+05	2.38E+05	2.38E+05	2.38E+05	2.38E+05	2.38E+05	2.38E+05	0.00E+00
P-32	1.61E+09	9.97E+07	6.24E+07	0.00E+00	0.00E+00	0.00E+00	1.35E+08	0.00E+00
CA-41	1.79E+10	0.00E+00	1.94E+09	0.00E+00	0.00E+00	0.00E+00	1.77E+07	0.00E+00
SC-46	3.61E+05	7.03E+05	2.08E+05	0.00E+00	6.73E+05	0.00E+00	2.39E+09	0.00E+00
CR-51	0.00E+00	0.00E+00	6.17E+04	3.43E+04	1.35E+04	8.81E+04	1.04E+07	0.00E+00
MN-54	0.00E+00	4.54E+08	9.01E+07	0.00E+00	1.36E+08	0.00E+00	9.32E+08	0.00E+00
FE-55	3.26E+08	2.31E+08	5.39E+07	0.00E+00	0.00E+00	1.47E+08	1.00E+08	0.00E+00
MN-56	0.00E+00	1.39E+01	2.47E+00	0.00E+00	1.76E+01	0.00E+00	9.16E+02	0.00E+00
CO-57	0.00E+00	1.79E+07	3.00E+07	0.00E+00	0.00E+00	0.00E+00	3.33E+08	0.00E+00
CO-58	0.00E+00	4.36E+07	1.00E+08	0.00E+00	0.00E+00	0.00E+00	6.01E+08	0.00E+00
FE-59	1.79E+08	4.19E+08	1.62E+08	0.00E+00	0.00E+00	1.32E+08	9.90E+08	0.00E+00
CO-60	0.00E+00	2.49E+08	5.60E+08	0.00E+00	0.00E+00	0.00E+00	3.24E+09	0.00E+00
NI-59	1.20E+09	4.24E+08	2.04E+08	0.00E+00	0.00E+00	0.00E+00	6.64E+07	0.00E+00
NI-63	1.61E+10	1.13E+09	5.45E+08	0.00E+00	0.00E+00	0.00E+00	1.81E+08	0.00E+00
CU-64	0.00E+00	8.29E+03	3.90E+03	0.00E+00	2.10E+04	0.00E+00	6.43E+05	0.00E+00
NI-65	5.55E+01	7.09E+00	3.23E+00	0.00E+00	0.00E+00	0.00E+00	3.85E+02	0.00E+00
ZN-65	4.24E+08	1.47E+09	6.87E+08	0.00E+00	9.42E+08	0.00E+00	6.23E+08	0.00E+00
ZN-69m	2.06E+04	4.87E+04	4.46E+03	0.00E+00	2.96E+04	0.00E+00	2.68E+06	0.00E+00
ZN-69	4.73E-06	9.02E-06	6.31E-07	0.00E+00	5.89E-06	0.00E+00	1.66E-05	0.00E+00
SE-79	0.00E+00	3.39E+08	5.70E+07	0.00E+00	5.91E+08	0.00E+00	5.18E+07	0.00E+00
BR-82	0.00E+00	0.00E+00	1.32E+06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
BR-83	0.00E+00	0.00E+00	2.82E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
BR-84	0.00E+00	0.00E+00	1.95E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
BR-85	0.00E+00	0.00E+00	1.94E-151	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RB-86	0.00E+00	2.74E+08	1.29E+08	0.00E+00	0.00E+00	0.00E+00	4.05E+07	0.00E+00
RB-87	0.00E+00	1.59E+09	5.55E+08	0.00E+00	0.00E+00	0.00E+00	5.55E+07	0.00E+00
RB-88	0.00E+00	2.44E-22	1.30E-22	0.00E+00	0.00E+00	0.00E+00	2.09E-29	0.00E+00
RB-89	0.00E+00	2.59E-26	1.83E-26	0.00E+00	0.00E+00	0.00E+00	3.98E-35	0.00E+00
SR-89	1.51E+10	0.00E+00	4.34E+08	0.00E+00	0.00E+00	0.00E+00	1.80E+09	0.00E+00
SR-90	9.22E+11	0.00E+00	1.84E+10	0.00E+00	0.00E+00	0.00E+00	2.11E+10	0.00E+00
Y-90	1.24E+04	0.00E+00	3.34E+02	0.00E+00	0.00E+00	0.00E+00	1.02E+08	0.00E+00
SR-91	2.82E+05	0.00E+00	1.12E+04	0.00E+00	0.00E+00	0.00E+00	1.28E+06	0.00E+00
Y-91m	4.43E-09	0.00E+00	1.69E-10	0.00E+00	0.00E+00	0.00E+00	2.09E-07	0.00E+00
Y-91	7.84E+06	0.00E+00	2.10E+05	0.00E+00	0.00E+00	0.00E+00	3.21E+09	0.00E+00

Table 4-35 (Page 2 of 4)

Teen Vegetation R_im²*mrem*sec/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	3.86E+02	0.00E+00	1.65E+01	0.00E+00	0.00E+00	0.00E+00	9.83E+03	0.00E+00
Y-92	8.42E-01	0.00E+00	2.43E-02	0.00E+00	0.00E+00	0.00E+00	2.31E+04	0.00E+00
Y-93	1.58E+02	0.00E+00	4.33E+00	0.00E+00	0.00E+00	0.00E+00	4.82E+06	0.00E+00
NB-93m	3.10E+06	1.02E+06	2.55E+05	0.00E+00	1.19E+06	0.00E+00	3.66E+08	0.00E+00
NB-95	1.92E+05	1.07E+05	5.87E+04	0.00E+00	1.03E+05	0.00E+00	4.56E+08	0.00E+00
NB-97	1.87E-06	4.65E-07	1.70E-07	0.00E+00	5.43E-07	0.00E+00	1.11E-02	0.00E+00
ZR-93	5.03E+06	2.48E+06	1.35E+06	0.00E+00	8.77E+06	0.00E+00	2.34E+09	0.00E+00
ZR-95	1.72E+06	5.43E+05	3.73E+05	0.00E+00	7.98E+05	0.00E+00	1.25E+09	0.00E+00
ZR-97	3.11E+02	6.15E+01	2.83E+01	0.00E+00	9.33E+01	0.00E+00	1.67E+07	0.00E+00
MO-93	0.00E+00	9.63E+08	2.64E+07	0.00E+00	2.76E+08	0.00E+00	1.17E+08	0.00E+00
MO-99	0.00E+00	5.64E+06	1.08E+06	0.00E+00	1.29E+07	0.00E+00	1.01E+07	0.00E+00
TC-99	1.63E+07	2.39E+07	6.52E+06	0.00E+00	3.04E+08	2.47E+06	5.85E+08	0.00E+00
TC-99m	2.70E+00	7.54E+00	9.77E+01	0.00E+00	1.12E+02	4.18E+00	4.95E+03	0.00E+00
TC-101	5.52E-31	7.85E-31	7.71E-30	0.00E+00	1.42E-29	4.78E-31	1.34E-37	0.00E+00
RU-103	6.82E+06	0.00E+00	2.92E+06	0.00E+00	2.40E+07	0.00E+00	5.70E+08	0.00E+00
RU-105	4.92E+01	0.00E+00	1.91E+01	0.00E+00	6.20E+02	0.00E+00	3.97E+04	0.00E+00
RU-106	3.10E+08	0.00E+00	3.90E+07	0.00E+00	5.97E+08	0.00E+00	1.48E+10	0.00E+00
RH-105	7.54E+04	5.45E+04	3.58E+04	0.00E+00	2.32E+05	0.00E+00	6.93E+06	0.00E+00
PD-107	0.00E+00	1.89E+07	1.22E+06	0.00E+00	1.71E+08	0.00E+00	8.78E+07	0.00E+00
PD-109	0.00E+00	2.06E+04	4.67E+03	0.00E+00	1.19E+05	0.00E+00	2.07E+06	0.00E+00
AG-110m	1.52E+07	1.43E+07	8.72E+06	0.00E+00	2.74E+07	0.00E+00	4.03E+09	0.00E+00
AG-111	2.02E+05	8.37E+04	4.21E+04	0.00E+00	2.72E+05	0.00E+00	1.17E+08	0.00E+00
CD-113m	0.00E+00	4.06E+08	1.30E+07	0.00E+00	4.49E+08	0.00E+00	2.44E+09	0.00E+00
CD-115m	0.00E+00	7.94E+07	2.56E+06	0.00E+00	6.35E+07	0.00E+00	2.51E+09	0.00E+00
SN-123	2.72E+09	4.46E+07	6.61E+07	3.58E+07	0.00E+00	0.00E+00	4.11E+09	0.00E+00
SN-125	3.85E+07	7.68E+05	1.74E+06	6.02E+05	0.00E+00	0.00E+00	3.63E+08	0.00E+00
SN-126	1.05E+10	1.96E+08	3.00E+08	5.17E+07	0.00E+00	0.00E+00	2.34E+09	0.00E+00
SB-124	1.54E+08	2.84E+06	6.02E+07	3.50E+05	0.00E+00	1.35E+08	3.11E+09	0.00E+00
SB-125	2.14E+08	2.34E+06	5.01E+07	2.05E+05	0.00E+00	1.88E+08	1.67E+09	0.00E+00
SB-126	7.36E+06	1.50E+05	2.64E+06	4.16E+04	0.00E+00	5.28E+06	4.36E+08	0.00E+00
SB-127	4.79E+05	1.02E+04	1.81E+05	5.39E+03	0.00E+00	3.26E+05	8.14E+07	0.00E+00
TE-125m	1.48E+08	5.34E+07	1.98E+07	4.14E+07	0.00E+00	0.00E+00	4.37E+08	0.00E+00
TE-127m	5.51E+08	1.96E+08	6.56E+07	1.31E+08	2.24E+09	0.00E+00	1.37E+09	0.00E+00
TE-127	5.29E+03	1.88E+03	1.14E+03	3.65E+03	2.14E+04	0.00E+00	4.09E+05	0.00E+00
TE-129m	3.62E+08	1.34E+08	5.73E+07	1.17E+08	1.51E+09	0.00E+00	1.36E+09	0.00E+00
TE-129	6.68E-04	2.49E-04	1.63E-04	4.77E-04	2.80E-03	0.00E+00	3.65E-03	0.00E+00
TE-133m	1.94E-05	1.10E-05	1.07E-05	1.54E-05	1.09E-04	0.00E+00	4.45E-05	0.00E+00

Table 4-35 (Page 3 of 4)

Teen Vegetation R_i $m^2 \cdot mrem \cdot sec/yr \cdot \mu Ci$

<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	2.89E-08	1.85E-08	1.94E-08	2.37E-08	1.77E-07	0.00E+00	1.07E-09	0.00E+00
I-129	2.12E+09	1.78E+09	2.97E+09	2.17E+12	3.19E+09	0.00E+00	2.08E+08	0.00E+00
I-130	3.49E+05	1.01E+06	4.03E+05	8.22E+07	1.55E+06	0.00E+00	7.75E+05	0.00E+00
I-131	7.68E+07	1.08E+08	5.78E+07	3.14E+10	1.85E+08	0.00E+00	2.13E+07	0.00E+00
TE-131m	8.42E+05	4.04E+05	3.37E+05	6.07E+05	4.21E+06	0.00E+00	3.24E+07	0.00E+00
TE-131	1.16E-15	4.78E-16	3.62E-16	8.93E-16	5.07E-15	0.00E+00	9.52E-17	0.00E+00
I-132	5.02E+01	1.31E+02	4.72E+01	4.43E+03	2.07E+02	0.00E+00	5.72E+01	0.00E+00
TE-132	3.90E+06	2.47E+06	2.33E+06	2.61E+06	2.37E+07	0.00E+00	7.83E+07	0.00E+00
I-133	1.93E+06	3.27E+06	9.99E+05	4.57E+08	5.74E+06	0.00E+00	2.48E+06	0.00E+00
CS-134m	5.95E+00	1.23E+01	6.33E+00	0.00E+00	6.86E+00	1.20E+00	8.20E+00	0.00E+00
CS-134	7.10E+09	1.67E+10	7.75E+09	0.00E+00	5.31E+09	2.03E+09	2.08E+08	0.00E+00
I-134	7.99E-05	2.12E-04	7.61E-05	3.53E-03	3.34E-04	0.00E+00	2.79E-06	0.00E+00
I-135	3.48E+04	8.96E+04	3.32E+04	5.76E+06	1.42E+05	0.00E+00	9.93E+04	0.00E+00
CS-135	2.53E+09	2.32E+09	5.42E+08	0.00E+00	8.84E+08	3.20E+08	4.05E+07	0.00E+00
CS-136	4.37E+07	1.72E+08	1.16E+08	0.00E+00	9.37E+07	1.48E+07	1.38E+07	0.00E+00
CS-137	1.01E+10	1.35E+10	4.69E+09	0.00E+00	4.59E+09	1.78E+09	1.92E+08	0.00E+00
CS-138	3.13E-11	6.01E-11	3.00E-11	0.00E+00	4.44E-11	5.16E-12	2.73E-14	0.00E+00
CS-139	1.28E-44	1.88E-44	6.89E-45	0.00E+00	1.52E-44	1.66E-45	8.72E-60	0.00E+00
BA-139	2.54E-02	1.79E-05	7.40E-04	0.00E+00	1.69E-05	1.23E-05	2.27E-01	0.00E+00
BA-140	1.38E+08	1.69E+05	8.90E+06	0.00E+00	5.74E+04	1.14E+05	2.13E+08	0.00E+00
LA-140	1.80E+03	8.86E+02	2.36E+02	0.00E+00	0.00E+00	0.00E+00	5.09E+07	0.00E+00
BA-141	8.36E-22	6.24E-25	2.79E-23	0.00E+00	5.79E-25	4.27E-25	1.78E-27	0.00E+00
LA-141	5.67E-01	1.74E-01	2.88E-02	0.00E+00	0.00E+00	0.00E+00	3.09E+04	0.00E+00
CE-141	2.83E+05	1.89E+05	2.17E+04	0.00E+00	8.89E+04	0.00E+00	5.40E+08	0.00E+00
BA-142	3.57E-39	3.57E-42	2.20E-40	0.00E+00	3.02E-42	2.38E-42	1.10E-50	0.00E+00
LA-142	1.77E-04	7.84E-05	1.95E-05	0.00E+00	0.00E+00	0.00E+00	2.39E+00	0.00E+00
CE-143	9.30E+02	6.77E+05	7.56E+01	0.00E+00	3.04E+02	0.00E+00	2.04E+07	0.00E+00
PR-143	7.00E+04	2.80E+04	3.49E+03	0.00E+00	1.62E+04	0.00E+00	2.30E+08	0.00E+00
CE-144	5.27E+07	2.18E+07	2.83E+06	0.00E+00	1.30E+07	0.00E+00	1.33E+10	0.00E+00
PR-144	2.22E-26	9.07E-27	1.12E-27	0.00E+00	5.20E-27	0.00E+00	2.44E-29	0.00E+00
ND-147	3.62E+04	3.94E+04	2.36E+03	0.00E+00	2.31E+04	0.00E+00	1.42E+08	0.00E+00
PM-147	9.04E+06	8.57E+05	3.49E+05	0.00E+00	1.64E+06	0.00E+00	8.15E+08	0.00E+00
PM-148m	1.17E+06	2.96E+05	2.32E+05	0.00E+00	4.48E+05	0.00E+00	1.86E+09	0.00E+00
PM-148	1.83E+04	2.98E+03	1.50E+03	0.00E+00	5.39E+03	0.00E+00	1.78E+08	0.00E+00
PM-149	1.59E+03	2.23E+02	9.14E+01	0.00E+00	4.25E+02	0.00E+00	3.28E+07	0.00E+00
PM-151	3.14E+02	5.18E+01	2.62E+01	0.00E+00	9.32E+01	0.00E+00	1.16E+07	0.00E+00
SM-151	7.92E+06	1.52E+06	3.58E+05	0.00E+00	1.67E+06	0.00E+00	5.17E+08	0.00E+00

Table 4-35 (Page 4 of 4)

Teen Vegetation R_im²*mrem*sec/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	7.64E+02	6.33E+02	4.65E+01	0.00E+00	2.07E+02	0.00E+00	1.79E+07	0.00E+00
EU-152	2.20E+07	5.31E+06	4.68E+06	0.00E+00	2.46E+07	0.00E+00	1.95E+09	0.00E+00
EU-154	7.07E+07	9.12E+06	6.43E+06	0.00E+00	4.08E+07	0.00E+00	4.82E+09	0.00E+00
EU-155	1.54E+07	1.48E+06	9.18E+05	0.00E+00	5.80E+06	0.00E+00	8.50E+09	0.00E+00
EU-156	1.24E+05	9.31E+04	1.52E+04	0.00E+00	6.26E+04	0.00E+00	4.76E+08	0.00E+00
TB-160	2.94E+06	0.00E+00	3.67E+05	0.00E+00	1.16E+06	0.00E+00	1.91E+09	0.00E+00
HO-166m	3.24E+07	1.00E+07	7.23E+06	0.00E+00	1.46E+07	0.00E+00	9.09E-11	0.00E+00
W-181	8.47E+05	2.73E+05	2.86E+04	0.00E+00	0.00E+00	0.00E+00	2.33E+07	0.00E+00
W-185	2.70E+07	8.90E+06	9.42E+05	0.00E+00	0.00E+00	0.00E+00	7.69E+08	0.00E+00
W-187	3.53E+04	2.87E+04	1.01E+04	0.00E+00	0.00E+00	0.00E+00	7.78E+06	0.00E+00
NP-239	1.38E+03	1.31E+02	7.25E+01	0.00E+00	4.10E+02	0.00E+00	2.10E+07	0.00E+00
U-232	5.34E+11	0.00E+00	3.82E+10	0.00E+00	5.79E+10	0.00E+00	6.52E+09	0.00E+00
U-233	1.13E+11	0.00E+00	6.85E+09	0.00E+00	2.64E+10	0.00E+00	6.04E+09	0.00E+00
U-234	1.08E+11	0.00E+00	6.72E+09	0.00E+00	2.59E+10	0.00E+00	5.92E+09	0.00E+00
U-235	1.04E+11	0.00E+00	6.31E+09	0.00E+00	2.43E+10	0.00E+00	7.53E+09	0.00E+00
U-236	1.04E+11	0.00E+00	6.44E+09	0.00E+00	2.48E+10	0.00E+00	5.55E+09	0.00E+00
U-237	1.74E+05	0.00E+00	4.64E+04	0.00E+00	7.16E+05	0.00E+00	4.62E+07	0.00E+00
U-238	9.91E+10	0.00E+00	5.90E+09	0.00E+00	2.27E+10	0.00E+00	5.30E+09	0.00E+00
NP-237	1.21E+11	8.68E+09	5.32E+09	0.00E+00	3.94E+10	0.00E+00	7.64E+09	0.00E+00
NP-238	1.35E+04	3.62E+02	2.11E+02	0.00E+00	1.24E+03	0.00E+00	2.66E+07	0.00E+00
PU-238	6.08E+10	7.79E+09	1.65E+09	0.00E+00	7.08E+09	0.00E+00	7.01E+09	0.00E+00
PU-239	6.95E+10	8.44E+09	1.83E+09	0.00E+00	7.79E+09	0.00E+00	6.42E+09	0.00E+00
PU-240	6.94E+10	8.43E+09	1.83E+09	0.00E+00	7.78E+09	0.00E+00	6.53E+09	0.00E+00
PU-241	1.57E+09	7.56E+07	3.32E+07	0.00E+00	1.54E+08	0.00E+00	1.33E+08	0.00E+00
PU-242	6.44E+10	8.13E+09	1.76E+09	0.00E+00	7.50E+09	0.00E+00	6.29E+09	0.00E+00
PU-244	7.53E+10	9.27E+09	2.02E+09	0.00E+00	8.59E+09	0.00E+00	9.36E+09	0.00E+00
AM-241	7.25E+10	6.84E+10	5.22E+09	0.00E+00	3.92E+10	0.00E+00	7.15E+09	0.00E+00
AM-242m	7.33E+10	6.46E+10	5.27E+09	0.00E+00	3.90E+10	0.00E+00	8.99E+09	0.00E+00
AM-243	7.23E+10	6.68E+10	5.11E+09	0.00E+00	3.84E+10	0.00E+00	8.39E+09	0.00E+00
CM-242	1.95E+09	2.06E+09	1.29E+08	0.00E+00	5.90E+08	0.00E+00	5.58E+09	0.00E+00
CM-243	5.88E+10	5.45E+10	3.70E+09	0.00E+00	1.73E+10	0.00E+00	7.49E+09	0.00E+00
CM-244	4.54E+10	4.30E+10	2.88E+09	0.00E+00	1.34E+10	0.00E+00	7.21E+09	0.00E+00
CM-245	9.00E+10	7.92E+10	5.54E+09	0.00E+00	2.59E+10	0.00E+00	6.78E+09	0.00E+00
CM-246	8.93E+10	7.91E+10	5.54E+09	0.00E+00	2.58E+10	0.00E+00	6.66E+09	0.00E+00
CM-247	8.70E+10	7.79E+10	5.45E+09	0.00E+00	2.54E+10	0.00E+00	8.75E+09	0.00E+00
CM-248	7.23E+11	6.42E+11	4.50E+10	0.00E+00	2.10E+11	0.00E+00	1.41E+11	0.00E+00
CF-252	2.99E+10	0.00E+00	7.21E+08	0.00E+00	0.00E+00	0.00E+00	2.63E+10	0.00E+00

Table 4-36 (Page 1 of 4)

Adult Vegetation R_i $m^2 \cdot mrem \cdot sec/yr \cdot \mu Ci$

<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+03	1.29E+03	1.29E+03	1.29E+03	1.29E+03	1.29E+03	0.00E+00
C-14	8.97E+05	1.79E+05	1.79E+05	1.79E+05	1.79E+05	1.79E+05	1.79E+05	0.00E+00
NA-22	1.32E+09	1.32E+09	1.32E+09	1.32E+09	1.32E+09	1.32E+09	1.32E+09	0.00E+00
NA-24	2.68E+05	2.68E+05	2.68E+05	2.68E+05	2.68E+05	2.68E+05	2.68E+05	0.00E+00
P-32	1.40E+09	8.73E+07	5.43E+07	0.00E+00	0.00E+00	0.00E+00	1.58E+08	0.00E+00
CA-41	1.48E+10	0.00E+00	1.60E+09	0.00E+00	0.00E+00	0.00E+00	1.47E+07	0.00E+00
SC-46	2.51E+05	4.87E+05	1.41E+05	0.00E+00	4.54E+05	0.00E+00	2.37E+09	0.00E+00
CR-51	0.00E+00	0.00E+00	4.64E+04	2.78E+04	1.02E+04	6.16E+04	1.17E+07	0.00E+00
MN-54	0.00E+00	3.13E+08	5.97E+07	0.00E+00	9.31E+07	0.00E+00	9.59E+08	0.00E+00
FE-55	2.10E+08	1.45E+08	3.38E+07	0.00E+00	0.00E+00	8.08E+07	8.31E+07	0.00E+00
MN-56	0.00E+00	1.54E+01	2.74E+00	0.00E+00	1.96E+01	0.00E+00	4.93E+02	0.00E+00
CO-57	0.00E+00	1.17E+07	1.95E+07	0.00E+00	0.00E+00	0.00E+00	2.97E+08	0.00E+00
CO-58	0.00E+00	3.07E+07	6.89E+07	0.00E+00	0.00E+00	0.00E+00	6.23E+08	0.00E+00
FE-59	1.26E+08	2.96E+08	1.14E+08	0.00E+00	0.00E+00	8.28E+07	9.88E+08	0.00E+00
CO-60	0.00E+00	1.67E+08	3.69E+08	0.00E+00	0.00E+00	0.00E+00	3.14E+09	0.00E+00
NI-59	7.82E+08	2.68E+08	1.31E+08	0.00E+00	0.00E+00	0.00E+00	5.53E+07	0.00E+00
NI-63	1.04E+10	7.21E+08	3.49E+08	0.00E+00	0.00E+00	0.00E+00	1.50E+08	0.00E+00
CU-64	0.00E+00	9.15E+03	4.29E+03	0.00E+00	2.31E+04	0.00E+00	7.79E+05	0.00E+00
NI-65	5.96E+01	7.75E+00	3.54E+00	0.00E+00	0.00E+00	0.00E+00	1.97E+02	0.00E+00
ZN-65	3.17E+08	1.01E+09	4.56E+08	0.00E+00	6.75E+08	0.00E+00	6.36E+08	0.00E+00
ZN-69m	2.23E+04	5.35E+04	4.89E+03	0.00E+00	3.24E+04	0.00E+00	3.26E+06	0.00E+00
ZN-69	5.06E-06	9.67E-06	6.72E-07	0.00E+00	6.28E-06	0.00E+00	1.45E-06	0.00E+00
SE-79	0.00E+00	2.11E+08	3.52E+07	0.00E+00	3.65E+08	0.00E+00	4.31E+07	0.00E+00
BR-82	0.00E+00	0.00E+00	1.50E+06	0.00E+00	0.00E+00	0.00E+00	1.72E+06	0.00E+00
BR-83	0.00E+00	0.00E+00	3.01E+00	0.00E+00	0.00E+00	0.00E+00	4.33E+00	0.00E+00
BR-84	0.00E+00	0.00E+00	2.14E-11	0.00E+00	0.00E+00	0.00E+00	1.68E-16	0.00E+00
BR-85	0.00E+00	0.00E+00	2.07E-151	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RB-86	0.00E+00	2.19E+08	1.02E+08	0.00E+00	0.00E+00	0.00E+00	4.33E+07	0.00E+00
RB-87	0.00E+00	9.86E+08	3.43E+08	0.00E+00	0.00E+00	0.00E+00	4.62E+07	0.00E+00
RB-88	0.00E+00	2.64E-22	1.40E-22	0.00E+00	0.00E+00	0.00E+00	3.65E-33	0.00E+00
RB-89	0.00E+00	2.88E-26	2.03E-26	0.00E+00	0.00E+00	0.00E+00	1.67E-39	0.00E+00
SR-89	9.97E+09	0.00E+00	2.86E+08	0.00E+00	0.00E+00	0.00E+00	1.60E+09	0.00E+00
SR-90	6.95E+11	0.00E+00	1.40E+10	0.00E+00	0.00E+00	0.00E+00	1.75E+10	0.00E+00
Y-90	1.33E+04	0.00E+00	3.56E+02	0.00E+00	0.00E+00	0.00E+00	1.41E+08	0.00E+00
SR-91	3.02E+05	0.00E+00	1.22E+04	0.00E+00	0.00E+00	0.00E+00	1.44E+06	0.00E+00
Y-91m	4.76E-09	0.00E+00	1.84E-10	0.00E+00	0.00E+00	0.00E+00	1.40E-08	0.00E+00
Y-91	5.11E+06	0.00E+00	1.37E+05	0.00E+00	0.00E+00	0.00E+00	2.81E+09	0.00E+00

Table 4-36 (Page 2 of 4)

Adult Vegetation R_im²*mrem*sec/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	4.15E+02	0.00E+00	1.79E+01	0.00E+00	0.00E+00	0.00E+00	8.21E+03	0.00E+00
Y-92	8.96E-01	0.00E+00	2.62E-02	0.00E+00	0.00E+00	0.00E+00	1.57E+04	0.00E+00
Y-93	1.68E+02	0.00E+00	4.65E+00	0.00E+00	0.00E+00	0.00E+00	5.34E+06	0.00E+00
NB-93m	2.02E+06	6.61E+05	1.63E+05	0.00E+00	7.60E+05	0.00E+00	3.05E+08	0.00E+00
NB-95	1.42E+05	7.92E+04	4.26E+04	0.00E+00	7.83E+04	0.00E+00	4.81E+08	0.00E+00
NB-97	2.02E-06	5.11E-07	1.87E-07	0.00E+00	5.96E-07	0.00E+00	1.88E-03	0.00E+00
ZR-93	3.35E+06	1.88E+05	8.74E+04	0.00E+00	7.11E+05	0.00E+00	1.95E+08	0.00E+00
ZR-95	1.17E+06	3.77E+05	2.55E+05	0.00E+00	5.91E+05	0.00E+00	1.19E+09	0.00E+00
ZR-97	3.36E+02	6.78E+01	3.10E+01	0.00E+00	1.02E+02	0.00E+00	2.10E+07	0.00E+00
MO-93	0.00E+00	6.02E+08	1.63E+07	0.00E+00	1.71E+08	0.00E+00	9.78E+07	0.00E+00
MO-99	0.00E+00	6.14E+06	1.17E+06	0.00E+00	1.39E+07	0.00E+00	1.42E+07	0.00E+00
TC-99	1.00E+07	1.49E+07	4.02E+06	0.00E+00	1.88E+08	1.27E+06	4.87E+08	0.00E+00
TC-99m	3.06E+00	8.66E+00	1.10E+02	0.00E+00	1.31E+02	4.24E+00	5.12E+03	0.00E+00
TC-101	5.93E-31	8.55E-31	8.39E-30	0.00E+00	1.54E-29	4.37E-31	2.57E-42	0.00E+00
RU-103	4.77E+06	0.00E+00	2.06E+06	0.00E+00	1.82E+07	0.00E+00	5.57E+08	0.00E+00
RU-105	5.29E+01	0.00E+00	2.09E+01	0.00E+00	6.84E+02	0.00E+00	3.24E+04	0.00E+00
RU-106	1.93E+08	0.00E+00	2.44E+07	0.00E+00	3.72E+08	0.00E+00	1.25E+10	0.00E+00
RH-105	8.04E+04	5.88E+04	3.87E+04	0.00E+00	2.50E+05	0.00E+00	9.37E+06	0.00E+00
PD-107	0.00E+00	1.18E+07	7.53E+05	0.00E+00	1.06E+08	0.00E+00	7.30E+07	0.00E+00
PD-109	0.00E+00	2.21E+04	4.98E+03	0.00E+00	1.26E+05	0.00E+00	2.45E+06	0.00E+00
AG-110m	1.05E+07	9.75E+06	5.79E+06	0.00E+00	1.92E+07	0.00E+00	3.98E+09	0.00E+00
AG-111	2.11E+05	8.82E+04	4.39E+04	0.00E+00	2.85E+05	0.00E+00	1.62E+08	0.00E+00
CD-113m	0.00E+00	2.52E+08	8.09E+06	0.00E+00	2.78E+08	0.00E+00	2.03E+09	0.00E+00
CD-115m	0.00E+00	5.34E+07	1.70E+06	0.00E+00	4.24E+07	0.00E+00	2.25E+09	0.00E+00
SN-123	1.71E+09	2.84E+07	4.18E+07	2.41E+07	0.00E+00	0.00E+00	3.49E+09	0.00E+00
SN-125	3.85E+07	7.75E+05	1.74E+06	6.42E+05	0.00E+00	0.00E+00	4.80E+08	0.00E+00
SN-126	6.77E+09	1.34E+08	1.92E+08	3.94E+07	0.00E+00	0.00E+00	1.95E+09	0.00E+00
SB-124	1.04E+08	1.96E+06	4.11E+07	2.51E+05	0.00E+00	8.07E+07	2.94E+09	0.00E+00
SB-125	1.37E+08	1.53E+06	3.25E+07	1.39E+05	0.00E+00	1.05E+08	1.50E+09	0.00E+00
SB-126	7.01E+06	1.43E+05	2.53E+06	4.29E+04	0.00E+00	4.30E+06	5.73E+08	0.00E+00
SB-127	5.19E+05	1.14E+04	1.99E+05	6.24E+03	0.00E+00	3.08E+05	1.19E+08	0.00E+00
TE-125m	9.66E+07	3.50E+07	1.29E+07	2.90E+07	3.93E+08	0.00E+00	3.86E+08	0.00E+00
TE-127m	3.49E+08	1.25E+08	4.26E+07	8.92E+07	1.42E+09	0.00E+00	1.17E+09	0.00E+00
TE-127	5.61E+03	2.02E+03	1.21E+03	4.16E+03	2.29E+04	0.00E+00	4.43E+05	0.00E+00
TE-129m	2.51E+08	9.38E+07	3.98E+07	8.63E+07	1.05E+09	0.00E+00	1.27E+09	0.00E+00
TE-129	7.13E-04	2.68E-04	1.74E-04	5.48E-04	3.00E-03	0.00E+00	5.38E-04	0.00E+00
TE-133m	2.12E-05	1.24E-05	1.19E-05	1.79E-05	1.22E-04	0.00E+00	4.24E-06	0.00E+00

Table 4-36 (Page 3 of 4)

Adult Vegetation R_i $m^2 \cdot mrem \cdot sec/yr \cdot \mu Ci$

<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	3.19E-08	2.09E-08	1.28E-08	2.79E-08	2.02E-07	0.00E+00	3.54E-11	0.00E+00
I-129	1.31E+09	1.13E+09	3.69E+09	2.90E+12	2.42E+09	0.00E+00	1.78E+08	0.00E+00
I-130	3.90E+05	1.15E+06	4.54E+05	9.75E+07	1.79E+06	0.00E+00	9.90E+05	0.00E+00
I-131	8.07E+07	1.15E+08	6.62E+07	3.78E+10	1.98E+08	0.00E+00	3.05E+07	0.00E+00
TE-131m	9.10E+05	4.45E+05	3.71E+05	7.05E+05	4.51E+06	0.00E+00	4.42E+07	0.00E+00
TE-131	1.25E-15	5.21E-16	3.94E-16	1.03E-15	5.47E-15	0.00E+00	1.77E-16	0.00E+00
I-132	5.57E+01	1.49E+02	5.21E+01	5.21E+03	2.37E+02	0.00E+00	2.80E+01	0.00E+00
TE-132	4.30E+06	2.78E+06	2.61E+06	3.07E+06	2.68E+07	0.00E+00	1.31E+08	0.00E+00
I-133	2.08E+06	3.61E+06	1.10E+06	5.31E+08	6.31E+06	0.00E+00	3.25E+06	0.00E+00
CS-134m	6.57E+00	1.38E+01	7.06E+00	0.00E+00	7.49E+00	1.18E+00	4.87E+00	0.00E+00
CS-134	4.67E+09	1.11E+10	9.08E+09	0.00E+00	3.59E+09	1.19E+09	1.94E+08	0.00E+00
I-134	8.84E-05	2.40E-04	8.59E-05	4.16E-03	3.82E-04	0.00E+00	2.09E-07	0.00E+00
I-135	3.85E+04	1.01E+05	3.72E+04	6.65E+06	1.62E+05	0.00E+00	1.14E+05	0.00E+00
CS-135	1.56E+09	1.44E+09	6.40E+08	0.00E+00	5.46E+08	1.63E+08	3.37E+07	0.00E+00
CS-136	4.27E+07	1.68E+08	1.21E+08	0.00E+00	9.37E+07	1.28E+07	1.91E+07	0.00E+00
CS-137	6.36E+09	8.70E+09	5.70E+09	0.00E+00	2.95E+09	9.81E+08	1.68E+08	0.00E+00
CS-138	3.39E-11	6.70E-11	3.32E-11	0.00E+00	4.92E-11	4.86E-12	2.86E-16	0.00E+00
CS-139	1.36E-44	2.03E-44	7.39E-45	0.00E+00	1.62E-44	1.48E-45	4.39E-67	0.00E+00
BA-139	2.70E-02	1.92E-05	7.91E-04	0.00E+00	1.80E-05	1.09E-05	4.79E-02	0.00E+00
BA-140	1.28E+08	1.61E+05	8.42E+06	0.00E+00	5.49E+04	9.24E+04	2.65E+08	0.00E+00
LA-140	1.97E+03	9.95E+02	2.63E+02	0.00E+00	0.00E+00	0.00E+00	7.30E+07	0.00E+00
BA-141	8.94E-22	6.76E-25	3.02E-23	0.00E+00	6.28E-25	3.83E-25	4.21E-31	0.00E+00
LA-141	6.06E-01	1.88E-01	3.08E-02	0.00E+00	0.00E+00	0.00E+00	2.24E+04	0.00E+00
CE-141	1.97E+05	1.33E+05	1.51E+04	0.00E+00	6.19E+04	0.00E+00	5.10E+08	0.00E+00
BA-142	3.88E-39	3.99E-42	2.44E-40	0.00E+00	3.37E-42	2.26E-42	5.46E-57	0.00E+00
LA-142	1.92E-04	8.75E-05	2.18E-05	0.00E+00	0.00E+00	0.00E+00	6.39E-01	0.00E+00
CE-143	9.95E+02	7.36E+05	8.14E+01	0.00E+00	3.24E+02	0.00E+00	2.75E+07	0.00E+00
PR-143	6.26E+04	2.51E+04	3.10E+03	0.00E+00	1.45E+04	0.00E+00	2.74E+08	0.00E+00
CE-144	3.29E+07	1.38E+07	1.77E+06	0.00E+00	8.16E+06	0.00E+00	1.11E+10	0.00E+00
PR-144	2.36E-26	9.81E-27	1.20E-27	0.00E+00	5.53E-27	0.00E+00	3.40E-33	0.00E+00
ND-147	3.33E+04	3.85E+04	2.30E+03	0.00E+00	2.25E+04	0.00E+00	1.85E+08	0.00E+00
PM-147	5.74E+06	5.39E+05	2.18E+05	0.00E+00	1.02E+06	0.00E+00	6.80E+08	0.00E+00
PM-148m	8.30E+05	2.15E+05	1.64E+05	0.00E+00	3.24E+05	0.00E+00	1.82E+09	0.00E+00
PM-148	1.96E+04	3.25E+03	1.64E+03	0.00E+00	6.14E+03	0.00E+00	2.55E+08	0.00E+00
PM-149	1.69E+03	2.39E+02	9.78E+01	0.00E+00	4.52E+02	0.00E+00	4.49E+07	0.00E+00
PM-151	3.38E+02	5.67E+01	2.86E+01	0.00E+00	1.01E+02	0.00E+00	1.56E+07	0.00E+00
SM-151	5.52E+06	9.52E+05	2.28E+05	0.00E+00	1.06E+06	0.00E+00	4.20E+08	0.00E+00

Table 4-36 (Page 4 of 4)

Adult Vegetation R_im²*mrem*sec/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	8.18E+02	6.82E+02	4.98E+01	0.00E+00	2.20E+02	0.00E+00	2.43E+07	0.00E+00
EU-152	1.55E+07	3.52E+06	3.09E+06	0.00E+00	2.18E+07	0.00E+00	2.03E+09	0.00E+00
EU-154	4.85E+07	5.97E+06	4.25E+06	0.00E+00	2.86E+07	0.00E+00	4.32E+09	0.00E+00
EU-155	6.71E+06	9.51E+05	6.14E+05	0.00E+00	4.39E+06	0.00E+00	7.48E+08	0.00E+00
EU-156	1.08E+05	8.35E+04	1.35E+04	0.00E+00	5.58E+04	0.00E+00	5.72E+08	0.00E+00
TB-160	1.96E+06	0.00E+00	2.45E+05	0.00E+00	8.11E+05	0.00E+00	1.07E+09	0.00E+00
HO-166m	2.16E+07	6.76E+06	5.13E+06	0.00E+00	1.01E+07	0.00E+00	8.01E-11	0.00E+00
W-181	5.33E+05	1.74E+05	1.86E+04	0.00E+00	0.00E+00	0.00E+00	1.98E+07	0.00E+00
W-185	1.73E+07	5.77E+06	6.07E+05	0.00E+00	0.00E+00	0.00E+00	6.67E+08	0.00E+00
W-187	3.79E+04	3.17E+04	1.11E+04	0.00E+00	0.00E+00	0.00E+00	1.04E+07	0.00E+00
NP-239	1.43E+03	1.40E+02	7.73E+01	0.00E+00	4.37E+02	0.00E+00	2.88E+07	0.00E+00
U-232	3.30E+11	0.00E+00	2.36E+10	0.00E+00	3.58E+10	0.00E+00	5.42E+09	0.00E+00
U-233	6.98E+10	0.00E+00	4.23E+09	0.00E+00	1.63E+10	0.00E+00	5.02E+09	0.00E+00
U-234	6.70E+10	0.00E+00	4.14E+09	0.00E+00	1.59E+10	0.00E+00	4.92E+09	0.00E+00
U-235	6.42E+10	0.00E+00	3.89E+09	0.00E+00	1.50E+10	0.00E+00	6.26E+09	0.00E+00
U-236	6.42E+10	0.00E+00	3.97E+09	0.00E+00	1.53E+10	0.00E+00	4.62E+09	0.00E+00
U-237	1.84E+05	0.00E+00	4.89E+04	0.00E+00	7.55E+05	0.00E+00	6.45E+07	0.00E+00
U-238	6.15E+10	0.00E+00	3.64E+09	0.00E+00	1.40E+10	0.00E+00	4.41E+09	0.00E+00
NP-237	1.01E+11	7.18E+09	4.44E+09	0.00E+00	3.30E+10	0.00E+00	6.36E+09	0.00E+00
NP-238	1.45E+04	3.90E+02	2.25E+02	0.00E+00	1.32E+03	0.00E+00	3.63E+07	0.00E+00
PU-238	5.04E+10	6.39E+09	1.37E+09	0.00E+00	5.86E+09	0.00E+00	5.84E+09	0.00E+00
PU-239	5.81E+10	6.98E+09	1.53E+09	0.00E+00	6.50E+09	0.00E+00	5.34E+09	0.00E+00
PU-240	5.80E+10	6.97E+09	1.53E+09	0.00E+00	6.49E+09	0.00E+00	5.43E+09	0.00E+00
PU-241	1.25E+09	5.91E+07	2.64E+07	0.00E+00	1.21E+08	0.00E+00	1.11E+08	0.00E+00
PU-242	5.39E+10	6.72E+09	1.47E+09	0.00E+00	6.26E+09	0.00E+00	5.23E+09	0.00E+00
PU-244	6.28E+10	7.70E+09	1.69E+09	0.00E+00	7.17E+09	0.00E+00	7.80E+09	0.00E+00
AM-241	6.05E+10	5.65E+10	4.33E+09	0.00E+00	3.26E+10	0.00E+00	5.94E+09	0.00E+00
AM-242m	6.09E+10	5.31E+10	4.35E+09	0.00E+00	3.24E+10	0.00E+00	7.48E+09	0.00E+00
AM-243	6.04E+10	5.53E+10	4.25E+09	0.00E+00	3.20E+10	0.00E+00	6.97E+09	0.00E+00
CM-242	1.23E+09	1.30E+09	8.15E+07	0.00E+00	3.70E+08	0.00E+00	4.71E+09	0.00E+00
CM-243	4.78E+10	4.38E+10	2.99E+09	0.00E+00	1.40E+10	0.00E+00	6.23E+09	0.00E+00
CM-244	3.63E+10	3.40E+10	2.28E+09	0.00E+00	1.07E+10	0.00E+00	6.01E+09	0.00E+00
CM-245	7.52E+10	6.55E+10	4.62E+09	0.00E+00	2.16E+10	0.00E+00	5.64E+09	0.00E+00
CM-246	7.45E+10	6.54E+10	4.61E+09	0.00E+00	2.15E+10	0.00E+00	5.54E+09	0.00E+00
CM-247	7.27E+10	6.44E+10	4.54E+09	0.00E+00	2.12E+10	0.00E+00	7.28E+09	0.00E+00
CM-248	6.04E+11	5.31E+11	3.74E+10	0.00E+00	1.75E+11	0.00E+00	1.18E+11	0.00E+00
CF-252	1.99E+10	0.00E+00	4.79E+08	0.00E+00	0.00E+00	0.00E+00	2.19E+10	0.00E+00

Table 4-37 (Page 1 of 4)

Infant Milk R_i $m^2 \cdot mrem \cdot sec/yr \cdot \mu Ci$

<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	1.36E+03	1.36E+03	1.36E+03	1.36E+03	1.36E+03	1.36E+03	0.00E+00
C-14	3.23E+06	6.89E+05	6.89E+05	6.89E+05	6.89E+05	6.89E+05	6.89E+05	0.00E+00
NA-22	3.18E+10	3.18E+10	3.18E+10	3.18E+10	3.18E+10	3.18E+10	3.18E+10	0.00E+00
NA-24	1.54E+07	1.54E+07	1.54E+07	1.54E+07	1.54E+07	1.54E+07	1.54E+07	0.00E+00
P-32	1.60E+11	9.43E+09	6.21E+09	0.00E+00	0.00E+00	0.00E+00	2.17E+09	0.00E+00
CA-41	2.46E+10	0.00E+00	2.69E+09	0.00E+00	0.00E+00	0.00E+00	1.26E+07	0.00E+00
SC-46	1.30E+03	1.88E+03	5.86E+02	0.00E+00	1.23E+03	0.00E+00	1.22E+06	0.00E+00
CR-51	0.00E+00	0.00E+00	1.61E+05	1.05E+05	2.30E+04	2.05E+05	4.70E+06	0.00E+00
MN-54	0.00E+00	3.90E+07	8.84E+06	0.00E+00	8.64E+06	0.00E+00	1.43E+07	0.00E+00
FE-55	1.35E+08	8.73E+07	2.33E+07	0.00E+00	0.00E+00	4.27E+07	1.11E+07	0.00E+00
MN-56	0.00E+00	3.14E-02	5.42E-03	0.00E+00	2.70E-02	0.00E+00	2.85E+00	0.00E+00
CO-57	0.00E+00	8.95E+06	1.46E+07	0.00E+00	0.00E+00	0.00E+00	3.05E+07	0.00E+00
CO-58	0.00E+00	2.42E+07	6.05E+07	0.00E+00	0.00E+00	0.00E+00	6.04E+07	0.00E+00
FE-59	2.24E+08	3.92E+08	1.54E+08	0.00E+00	0.00E+00	1.16E+08	1.87E+08	0.00E+00
CO-60	0.00E+00	8.82E+07	2.08E+08	0.00E+00	0.00E+00	0.00E+00	2.10E+08	0.00E+00
NI-59	2.61E+09	7.99E+08	4.50E+08	0.00E+00	0.00E+00	0.00E+00	3.95E+07	0.00E+00
NI-63	3.49E+10	2.16E+09	1.21E+09	0.00E+00	0.00E+00	0.00E+00	1.07E+08	0.00E+00
CU-64	0.00E+00	1.86E+05	8.59E+04	0.00E+00	3.14E+05	0.00E+00	3.81E+06	0.00E+00
NI-65	3.50E+00	3.97E-01	1.80E-01	0.00E+00	0.00E+00	0.00E+00	3.02E+01	0.00E+00
ZN-65	5.55E+09	1.90E+10	8.78E+09	0.00E+00	9.23E+09	0.00E+00	1.61E+10	0.00E+00
ZN-69m	1.68E+06	3.43E+06	3.13E+05	0.00E+00	1.39E+06	0.00E+00	4.75E+07	0.00E+00
ZN-69	2.02E-11	3.63E-11	2.70E-12	0.00E+00	1.51E-11	0.00E+00	2.96E-09	0.00E+00
SE-79	0.00E+00	7.77E+09	1.44E+09	0.00E+00	9.00E+09	0.00E+00	2.07E+08	0.00E+00
BR-82	0.00E+00	0.00E+00	1.93E+08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
BR-83	0.00E+00	0.00E+00	9.34E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
BR-84	0.00E+00	0.00E+00	1.26E-22	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
BR-85	0.00E+00	0.00E+00	1.88E-300	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RB-86	0.00E+00	2.23E+10	1.10E+10	0.00E+00	0.00E+00	0.00E+00	5.69E+08	0.00E+00
RB-87	0.00E+00	2.19E+10	8.69E+09	0.00E+00	0.00E+00	0.00E+00	1.48E+08	0.00E+00
RB-88	0.00E+00	1.87E-44	1.03E-44	0.00E+00	0.00E+00	0.00E+00	1.83E-44	0.00E+00
RB-89	0.00E+00	3.29E-52	2.26E-52	0.00E+00	0.00E+00	0.00E+00	1.12E-52	0.00E+00
SR-89	1.26E+10	0.00E+00	3.61E+08	0.00E+00	0.00E+00	0.00E+00	2.59E+08	0.00E+00
SR-90	1.86E+11	0.00E+00	3.77E+09	0.00E+00	0.00E+00	0.00E+00	1.52E+09	0.00E+00
Y-90	6.81E+02	0.00E+00	1.83E+01	0.00E+00	0.00E+00	0.00E+00	9.41E+05	0.00E+00
SR-91	2.72E+05	0.00E+00	9.83E+03	0.00E+00	0.00E+00	0.00E+00	3.21E+05	0.00E+00
Y-91m	5.67E-19	0.00E+00	1.93E-20	0.00E+00	0.00E+00	0.00E+00	1.89E-15	0.00E+00
Y-91	7.33E+04	0.00E+00	1.95E+03	0.00E+00	0.00E+00	0.00E+00	5.25E+06	0.00E+00

Table 4-37 (Page 2 of 4)

Infant Milk R_i $m^2 \cdot mrem \cdot sec/yr \cdot \mu Ci$

<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	4.64E+00	0.00E+00	1.72E-01	0.00E+00	0.00E+00	0.00E+00	5.00E+01	0.00E+00
Y-92	5.38E-04	0.00E+00	1.51E-05	0.00E+00	0.00E+00	0.00E+00	1.03E+01	0.00E+00
Y-93	2.16E+00	0.00E+00	5.87E-02	0.00E+00	0.00E+00	0.00E+00	1.70E+04	0.00E+00
NB-93m	2.52E+06	6.83E+05	2.13E+05	0.00E+00	6.67E+05	0.00E+00	8.16E+07	0.00E+00
NB-95	5.93E+05	2.44E+05	1.41E+05	0.00E+00	1.75E+05	0.00E+00	2.06E+08	0.00E+00
NB-97	3.08E-11	6.57E-12	2.37E-12	0.00E+00	5.13E-12	0.00E+00	2.07E-06	0.00E+00
ZR-93	7.94E+03	3.78E+03	2.28E+03	0.00E+00	1.11E+04	0.00E+00	9.83E+05	0.00E+00
ZR-95	6.80E+03	1.66E+03	1.18E+03	0.00E+00	1.79E+03	0.00E+00	8.26E+05	0.00E+00
ZR-97	4.06E+00	6.97E-01	3.18E-01	0.00E+00	7.03E-01	0.00E+00	4.45E+04	0.00E+00
MO-93	0.00E+00	3.49E+09	1.12E+08	0.00E+00	6.97E+08	0.00E+00	7.47E+07	0.00E+00
MO-99	0.00E+00	2.08E+08	4.06E+07	0.00E+00	3.11E+08	0.00E+00	6.85E+07	0.00E+00
TC-99	2.22E+08	3.00E+08	9.36E+07	0.00E+00	2.53E+09	2.92E+07	1.30E+09	0.00E+00
TC-99m	2.75E+01	5.67E+01	7.30E+02	0.00E+00	6.10E+02	2.96E+01	1.65E+04	0.00E+00
TC-101	2.47E-59	3.11E-59	3.07E-58	0.00E+00	3.69E-58	1.69E-59	5.28E-57	0.00E+00
RU-103	8.67E+03	0.00E+00	2.90E+03	0.00E+00	1.80E+04	0.00E+00	1.05E+05	0.00E+00
RU-105	8.05E-03	0.00E+00	2.71E-03	0.00E+00	5.92E-02	0.00E+00	3.20E+00	0.00E+00
RU-106	1.90E+05	0.00E+00	2.38E+04	0.00E+00	2.25E+05	0.00E+00	1.44E+06	0.00E+00
RH-105	3.33E+06	2.18E+06	1.46E+06	0.00E+00	6.05E+06	0.00E+00	5.41E+07	0.00E+00
PD-107	0.00E+00	9.79E+07	6.95E+06	0.00E+00	5.59E+08	0.00E+00	7.78E+07	0.00E+00
PD-109	0.00E+00	3.99E+05	9.64E+04	0.00E+00	1.47E+06	0.00E+00	9.80E+06	0.00E+00
AG-110m	3.86E+08	2.82E+08	1.86E+08	0.00E+00	4.03E+08	0.00E+00	1.46E+10	0.00E+00
AG-111	6.17E+07	2.40E+07	1.27E+07	0.00E+00	5.01E+07	0.00E+00	5.72E+09	0.00E+00
CD-113m	0.00E+00	1.74E+07	6.42E+05	0.00E+00	1.32E+07	0.00E+00	2.62E+07	0.00E+00
CD-115m	0.00E+00	1.03E+07	3.59E+05	0.00E+00	5.40E+06	0.00E+00	5.89E+07	0.00E+00
SN-123	4.57E+09	7.14E+07	1.19E+08	7.18E+07	0.00E+00	0.00E+00	1.21E+09	0.00E+00
SN-125	5.38E+08	1.00E+07	2.39E+07	9.88E+06	0.00E+00	0.00E+00	8.06E+08	0.00E+00
SN-126	1.14E+10	1.49E+08	3.70E+08	3.93E+07	0.00E+00	0.00E+00	5.18E+08	0.00E+00
SB-124	2.09E+08	3.08E+06	6.49E+07	5.56E+05	0.00E+00	1.31E+08	6.46E+08	0.00E+00
SB-125	1.50E+08	1.45E+06	3.08E+07	1.87E+05	0.00E+00	8.66E+07	1.99E+08	0.00E+00
SB-126	4.18E+07	8.19E+05	1.51E+07	3.21E+05	0.00E+00	2.63E+07	4.33E+08	0.00E+00
SB-127	4.14E+06	7.39E+04	1.28E+06	5.27E+04	0.00E+00	2.13E+06	1.10E+08	0.00E+00
TE-125m	1.51E+08	5.04E+07	2.04E+07	5.07E+07	0.00E+00	0.00E+00	7.18E+07	0.00E+00
TE-127m	4.21E+08	1.40E+08	5.10E+07	1.22E+08	1.04E+09	0.00E+00	1.70E+08	0.00E+00
TE-127	6.32E+03	2.12E+03	1.36E+03	5.14E+03	1.54E+04	0.00E+00	1.33E+05	0.00E+00
TE-129m	5.57E+08	1.91E+08	8.58E+07	2.14E+08	1.39E+09	0.00E+00	3.33E+08	0.00E+00
TE-129	2.72E-09	9.37E-10	6.35E-10	2.28E-09	6.77E-09	0.00E+00	2.17E-07	0.00E+00
TE-133m	1.90E-12	8.68E-13	8.29E-13	1.67E-12	5.92E-12	0.00E+00	9.36E-11	0.00E+00

Table 4-37 (Page 3 of 4)

Infant Milk R_i $m^2 \cdot mrem \cdot sec/yr \cdot \mu Ci$

<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	7.81E-18	3.92E-18	4.04E-18	6.99E-18	2.64E-17	0.00E+00	8.95E-17	0.00E+00
I-129	7.06E+09	5.23E+09	3.83E+09	3.36E+12	6.20E+09	0.00E+00	1.05E+08	0.00E+00
I-130	3.55E+06	7.81E+06	3.13E+06	8.75E+08	8.58E+06	0.00E+00	1.67E+06	0.00E+00
I-131	2.72E+09	3.20E+09	1.41E+09	1.05E+12	3.74E+09	0.00E+00	1.14E+08	0.00E+00
TE-131m	3.38E+06	1.36E+06	1.12E+06	2.75E+06	9.35E+06	0.00E+00	2.29E+07	0.00E+00
TE-131	3.43E-32	1.27E-32	9.62E-33	3.06E-32	8.76E-32	0.00E+00	1.38E-30	0.00E+00
I-132	1.43E+00	2.90E+00	1.03E+00	1.36E+02	3.24E+00	0.00E+00	2.35E+00	0.00E+00
TE-132	2.11E+07	1.04E+07	9.75E+06	1.54E+07	6.53E+07	0.00E+00	3.87E+07	0.00E+00
I-133	3.63E+07	5.28E+07	1.55E+07	9.60E+09	6.21E+07	0.00E+00	8.93E+06	0.00E+00
CS-134m	1.53E+00	2.54E+00	1.28E+00	0.00E+00	9.81E-01	2.26E-01	2.01E+00	0.00E+00
CS-134	3.65E+10	6.80E+10	6.87E+09	0.00E+00	1.75E+10	7.18E+09	1.85E+08	0.00E+00
I-134	1.76E-11	3.60E-11	1.28E-11	8.40E-10	4.03E-11	0.00E+00	3.73E-11	0.00E+00
I-135	1.12E+05	2.23E+05	8.14E+04	2.00E+07	2.49E+05	0.00E+00	8.08E+04	0.00E+00
CS-135	1.31E+10	1.19E+10	6.22E+08	0.00E+00	3.40E+09	1.29E+09	4.31E+07	0.00E+00
CS-136	1.98E+09	5.81E+09	2.17E+09	0.00E+00	2.32E+09	4.74E+08	8.82E+07	0.00E+00
CS-137	5.15E+10	6.02E+10	4.27E+09	0.00E+00	1.62E+10	6.55E+09	1.88E+08	0.00E+00
CS-138	8.39E-23	1.36E-22	6.61E-23	0.00E+00	6.80E-23	1.06E-23	2.18E-22	0.00E+00
CS-139	6.56E-89	8.97E-89	3.43E-89	0.00E+00	4.64E-89	6.98E-90	5.63E-90	0.00E+00
BA-139	4.27E-07	2.83E-10	1.24E-08	0.00E+00	1.70E-10	1.72E-10	2.71E-05	0.00E+00
BA-140	2.41E+08	2.41E+05	1.24E+07	0.00E+00	5.72E+04	1.48E+05	5.92E+07	0.00E+00
LA-140	4.05E+01	1.60E+01	4.11E+00	0.00E+00	0.00E+00	0.00E+00	1.88E+05	0.00E+00
BA-141	3.93E-45	2.69E-48	1.24E-46	0.00E+00	1.62E-48	1.64E-48	4.80E-44	0.00E+00
LA-141	2.93E-04	8.51E-05	1.48E-05	0.00E+00	0.00E+00	0.00E+00	9.76E+00	0.00E+00
CE-141	4.34E+04	2.64E+04	3.11E+03	0.00E+00	8.15E+03	0.00E+00	1.37E+07	0.00E+00
BA-142	2.44E-79	2.03E-82	1.20E-80	0.00E+00	1.17E-82	1.23E-82	1.01E-78	0.00E+00
LA-142	1.70E-10	6.24E-11	1.49E-11	0.00E+00	0.00E+00	0.00E+00	1.06E-05	0.00E+00
CE-143	3.97E+02	2.63E+05	3.00E+01	0.00E+00	7.67E+01	0.00E+00	1.54E+06	0.00E+00
PR-143	1.49E+03	5.55E+02	7.36E+01	0.00E+00	2.06E+02	0.00E+00	7.84E+05	0.00E+00
CE-144	2.33E+06	9.52E+05	1.30E+05	0.00E+00	3.85E+05	0.00E+00	1.33E+08	0.00E+00
PR-144	5.69E-53	2.20E-53	2.86E-54	0.00E+00	7.97E-54	0.00E+00	1.02E-48	0.00E+00
ND-147	8.81E+02	9.05E+02	5.55E+01	0.00E+00	3.49E+02	0.00E+00	5.74E+05	0.00E+00
PM-147	1.57E+04	1.32E+03	6.44E+02	0.00E+00	1.98E+03	0.00E+00	3.75E+05	0.00E+00
PM-148m	4.90E+03	1.24E+03	9.74E+02	0.00E+00	1.43E+03	0.00E+00	1.62E+06	0.00E+00
PM-148	5.57E+02	8.04E+01	4.05E+01	0.00E+00	9.60E+01	0.00E+00	8.58E+05	0.00E+00
PM-149	4.13E+01	5.42E+00	2.37E+00	0.00E+00	6.59E+00	0.00E+00	1.46E+05	0.00E+00
PM-151	6.13E+00	8.94E-01	4.52E-01	0.00E+00	1.06E+00	0.00E+00	4.14E+04	0.00E+00
SM-151	1.19E+04	2.74E+03	5.92E+02	0.00E+00	1.86E+03	0.00E+00	2.29E+05	0.00E+00

Table 4-37 (Page 4 of 4)

Infant Milk R_i $m^2 \cdot mrem \cdot sec/yr \cdot \mu Ci$

<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	1.90E+01	1.47E+01	1.13E+00	0.00E+00	3.07E+00	0.00E+00	7.67E+04	0.00E+00
EU-152	2.76E+04	7.34E+03	6.19E+03	0.00E+00	2.06E+04	0.00E+00	6.52E+05	0.00E+00
EU-154	1.08E+05	1.50E+04	9.01E+03	0.00E+00	4.07E+04	0.00E+00	1.88E+06	0.00E+00
EU-155	2.21E+04	2.55E+03	1.32E+03	0.00E+00	5.71E+03	0.00E+00	3.41E+06	0.00E+00
EU-156	2.23E+03	1.38E+03	2.19E+02	0.00E+00	6.37E+02	0.00E+00	1.30E+06	0.00E+00
TB-160	8.76E+03	0.00E+00	1.10E+03	0.00E+00	2.49E+03	0.00E+00	1.17E+06	0.00E+00
HO-166m	5.14E+04	1.11E+04	8.76E+03	0.00E+00	1.47E+04	0.00E+00	4.11E-14	0.00E+00
W-181	3.23E+05	9.91E+04	1.11E+04	0.00E+00	0.00E+00	0.00E+00	1.39E+06	0.00E+00
W-185	1.23E+07	3.85E+06	4.39E+05	0.00E+00	0.00E+00	0.00E+00	5.51E+07	0.00E+00
W-187	6.08E+04	4.23E+04	1.46E+04	0.00E+00	0.00E+00	0.00E+00	2.48E+06	0.00E+00
NP-239	3.65E+01	3.26E+00	1.84E+00	0.00E+00	6.51E+00	0.00E+00	9.43E+04	0.00E+00
U-232	9.95E+10	0.00E+00	8.88E+09	0.00E+00	9.74E+09	0.00E+00	2.89E+08	0.00E+00
U-233	2.09E+10	0.00E+00	1.59E+09	0.00E+00	4.44E+09	0.00E+00	2.68E+08	0.00E+00
U-234	2.01E+10	0.00E+00	1.56E+09	0.00E+00	4.36E+09	0.00E+00	2.62E+08	0.00E+00
U-235	1.92E+10	0.00E+00	1.46E+09	0.00E+00	4.08E+09	0.00E+00	3.33E+08	0.00E+00
U-236	1.92E+10	0.00E+00	1.50E+09	0.00E+00	4.15E+09	0.00E+00	2.46E+08	0.00E+00
U-237	5.39E+05	0.00E+00	1.44E+05	0.00E+00	1.34E+06	0.00E+00	2.30E+07	0.00E+00
U-238	1.84E+10	0.00E+00	1.37E+09	0.00E+00	3.82E+09	0.00E+00	2.35E+08	0.00E+00
NP-237	9.87E+07	6.54E+06	4.32E+06	0.00E+00	2.61E+07	0.00E+00	3.39E+06	0.00E+00
NP-238	3.48E+02	8.75E+00	5.39E+00	0.00E+00	1.91E+01	0.00E+00	1.17E+05	0.00E+00
PU-238	2.11E+07	2.47E+06	5.59E+05	0.00E+00	1.99E+06	0.00E+00	1.25E+06	0.00E+00
PU-239	2.27E+07	2.55E+06	5.82E+05	0.00E+00	2.11E+06	0.00E+00	1.14E+06	0.00E+00
PU-240	2.27E+07	2.55E+06	5.82E+05	0.00E+00	2.11E+06	0.00E+00	1.16E+06	0.00E+00
PU-241	6.97E+05	2.89E+04	1.45E+04	0.00E+00	5.20E+04	0.00E+00	2.38E+04	0.00E+00
PU-242	2.11E+07	2.45E+06	5.61E+05	0.00E+00	2.02E+06	0.00E+00	1.11E+06	0.00E+00
PU-244	2.45E+07	2.81E+06	6.43E+05	0.00E+00	2.32E+06	0.00E+00	1.66E+06	0.00E+00
AM-241	6.01E+07	5.22E+07	4.48E+06	0.00E+00	2.69E+07	0.00E+00	3.17E+06	0.00E+00
AM-242m	6.21E+07	5.02E+07	4.65E+06	0.00E+00	2.73E+07	0.00E+00	3.99E+06	0.00E+00
AM-243	5.92E+07	5.06E+07	4.36E+06	0.00E+00	2.62E+07	0.00E+00	3.71E+06	0.00E+00
CM-242	5.15E+06	4.77E+06	3.42E+05	0.00E+00	9.84E+05	0.00E+00	3.09E+06	0.00E+00
CM-243	5.75E+07	4.72E+07	3.69E+06	0.00E+00	1.34E+07	0.00E+00	3.33E+06	0.00E+00
CM-244	4.84E+07	3.98E+07	3.12E+06	0.00E+00	1.11E+07	0.00E+00	3.22E+06	0.00E+00
CM-245	7.36E+07	5.96E+07	4.65E+06	0.00E+00	1.78E+07	0.00E+00	3.00E+06	0.00E+00
CM-246	7.28E+07	5.96E+07	4.65E+06	0.00E+00	1.77E+07	0.00E+00	2.95E+06	0.00E+00
CM-247	7.12E+07	5.88E+07	4.57E+06	0.00E+00	1.74E+07	0.00E+00	3.88E+06	0.00E+00
CM-248	5.88E+08	4.85E+08	3.77E+07	0.00E+00	1.44E+08	0.00E+00	6.25E+07	0.00E+00
CF-252	4.94E+07	0.00E+00	1.19E+06	0.00E+00	0.00E+00	0.00E+00	1.21E+07	0.00E+00

Table 4-38 (Page 1 of 4)

Child Milk R_im²*mrem*sec/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>
H-3	0.00E+00	8.97E+02	8.97E+02	8.97E+02	8.97E+02	8.97E+02	8.97E+02	0.00E+00
C-14	1.65E+06	3.29E+05	3.29E+05	3.29E+05	3.29E+05	3.29E+05	3.29E+05	0.00E+00
NA-22	1.90E+10	1.90E+10	1.90E+10	1.90E+10	1.90E+10	1.90E+10	1.90E+10	0.00E+00
NA-24	8.85E+06	8.85E+06	8.85E+06	8.85E+06	8.85E+06	8.85E+06	8.85E+06	0.00E+00
P-32	7.78E+10	3.64E+09	3.00E+09	0.00E+00	0.00E+00	0.00E+00	2.15E+09	0.00E+00
CA-41	2.28E+10	0.00E+00	2.49E+09	0.00E+00	0.00E+00	0.00E+00	1.25E+07	0.00E+00
SC-46	6.83E+02	9.36E+02	3.61E+02	0.00E+00	8.29E+02	0.00E+00	1.37E+06	0.00E+00
CR-51	0.00E+00	0.00E+00	1.02E+05	5.65E+04	1.54E+04	1.03E+05	5.40E+06	0.00E+00
MN-54	0.00E+00	2.10E+07	5.59E+06	0.00E+00	5.88E+06	0.00E+00	1.76E+07	0.00E+00
FE-55	1.12E+08	5.93E+07	1.84E+07	0.00E+00	0.00E+00	3.35E+07	1.10E+07	0.00E+00
MN-56	0.00E+00	1.28E-02	2.90E-03	0.00E+00	1.55E-02	0.00E+00	1.86E+00	0.00E+00
CO-57	0.00E+00	3.84E+06	7.77E+06	0.00E+00	0.00E+00	0.00E+00	3.14E+07	0.00E+00
CO-58	0.00E+00	1.21E+07	3.71E+07	0.00E+00	0.00E+00	0.00E+00	7.07E+07	0.00E+00
FE-59	1.20E+08	1.95E+08	9.69E+07	0.00E+00	0.00E+00	5.64E+07	2.03E+08	0.00E+00
CO-60	0.00E+00	4.32E+07	1.27E+08	0.00E+00	0.00E+00	0.00E+00	2.39E+08	0.00E+00
NI-59	2.22E+09	5.90E+08	3.76E+08	0.00E+00	0.00E+00	0.00E+00	3.91E+07	0.00E+00
NI-63	2.96E+10	1.59E+09	1.01E+09	0.00E+00	0.00E+00	0.00E+00	1.07E+08	0.00E+00
CU-64	0.00E+00	7.46E+04	4.51E+04	0.00E+00	1.80E+05	0.00E+00	3.50E+06	0.00E+00
NI-65	1.66E+00	1.56E-01	9.10E-02	0.00E+00	0.00E+00	0.00E+00	1.91E+01	0.00E+00
ZN-65	4.13E+09	1.10E+10	6.85E+09	0.00E+00	6.94E+09	0.00E+00	1.93E+09	0.00E+00
ZN-69m	7.96E+05	1.36E+06	1.60E+05	0.00E+00	7.88E+05	0.00E+00	4.41E+07	0.00E+00
ZN-69	9.47E-12	1.37E-11	1.26E-12	0.00E+00	8.30E-12	0.00E+00	8.62E-10	0.00E+00
SE-79	0.00E+00	3.12E+09	6.92E+08	0.00E+00	5.07E+09	0.00E+00	2.05E+08	0.00E+00
BR-82	0.00E+00	0.00E+00	1.15E+08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
BR-83	0.00E+00	0.00E+00	4.40E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
BR-84	0.00E+00	0.00E+00	6.51E-23	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
BR-85	0.00E+00	0.00E+00	8.85E-301	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RB-86	0.00E+00	8.77E+09	5.39E+09	0.00E+00	0.00E+00	0.00E+00	5.64E+08	0.00E+00
RB-87	0.00E+00	9.75E+09	4.52E+09	0.00E+00	0.00E+00	0.00E+00	1.46E+08	0.00E+00
RB-88	0.00E+00	7.15E-45	4.97E-45	0.00E+00	0.00E+00	0.00E+00	3.51E-46	0.00E+00
RB-89	0.00E+00	1.34E-52	1.20E-52	0.00E+00	0.00E+00	0.00E+00	1.17E-54	0.00E+00
SR-89	6.62E+09	0.00E+00	1.89E+08	0.00E+00	0.00E+00	0.00E+00	2.56E+08	0.00E+00
SR-90	1.68E+11	0.00E+00	3.38E+09	0.00E+00	0.00E+00	0.00E+00	1.51E+09	0.00E+00
Y-90	3.22E+02	0.00E+00	8.62E+00	0.00E+00	0.00E+00	0.00E+00	9.17E+05	0.00E+00
SR-91	1.30E+05	0.00E+00	4.92E+03	0.00E+00	0.00E+00	0.00E+00	2.88E+05	0.00E+00
Y-91m	2.68E-19	0.00E+00	9.74E-21	0.00E+00	0.00E+00	0.00E+00	5.24E-16	0.00E+00
Y-91	3.90E+04	0.00E+00	1.04E+03	0.00E+00	0.00E+00	0.00E+00	5.20E+06	0.00E+00

Table 4-38 (Page 2 of 4)

Child Milk R_im²*mrem*sec/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	2.18E+00	0.00E+00	8.75E-02	0.00E+00	0.00E+00	0.00E+00	4.13E+01	0.00E+00
Y-92	2.53E-04	0.00E+00	7.24E-06	0.00E+00	0.00E+00	0.00E+00	7.31E+00	0.00E+00
Y-93	1.01E+00	0.00E+00	2.78E-02	0.00E+00	0.00E+00	0.00E+00	1.51E+04	0.00E+00
NB-93m	2.15E+06	5.37E+05	1.77E+05	0.00E+00	5.80E+05	0.00E+00	8.10E+07	0.00E+00
NB-95	3.18E+05	1.24E+05	8.84E+04	0.00E+00	1.16E+05	0.00E+00	2.29E+08	0.00E+00
NB-97	1.46E-11	2.63E-12	1.23E-12	0.00E+00	2.92E-12	0.00E+00	8.12E-07	0.00E+00
ZR-93	6.87E+03	2.57E+03	1.83E+03	0.00E+00	9.96E+03	0.00E+00	9.75E+05	0.00E+00
ZR-95	3.83E+03	8.42E+02	7.50E+02	0.00E+00	1.21E+03	0.00E+00	8.79E+05	0.00E+00
ZR-97	1.92E+00	2.77E-01	1.64E-01	0.00E+00	3.98E-01	0.00E+00	4.20E+04	0.00E+00
MO-93	0.00E+00	1.49E+09	5.34E+07	0.00E+00	3.92E+08	0.00E+00	7.53E+07	0.00E+00
MO-99	0.00E+00	8.14E+07	2.01E+07	0.00E+00	1.74E+08	0.00E+00	6.73E+07	0.00E+00
TC-99	1.10E+08	1.23E+08	4.40E+07	0.00E+00	1.44E+09	1.08E+07	1.29E+09	0.00E+00
TC-99m	1.32E+01	2.59E+01	4.29E+02	0.00E+00	3.76E+02	1.32E+01	1.47E+04	0.00E+00
TC-101	1.16E-59	1.22E-59	1.54E-58	0.00E+00	2.08E-58	6.43E-60	3.87E-59	0.00E+00
RU-103	4.28E+03	0.00E+00	1.65E+03	0.00E+00	1.08E+04	0.00E+00	1.11E+05	0.00E+00
RU-105	3.82E-03	0.00E+00	1.39E-03	0.00E+00	3.36E-02	0.00E+00	2.49E+00	0.00E+00
RU-106	9.24E+04	0.00E+00	1.15E+04	0.00E+00	1.25E+05	0.00E+00	1.44E+06	0.00E+00
RH-105	1.57E+06	8.43E+05	7.21E+05	0.00E+00	3.36E+06	0.00E+00	5.22E+07	0.00E+00
PD-107	0.00E+00	3.88E+07	3.30E+06	0.00E+00	3.25E+08	0.00E+00	7.71E+07	0.00E+00
PD-109	0.00E+00	1.51E+05	4.53E+04	0.00E+00	8.10E+05	0.00E+00	8.92E+06	0.00E+00
AG-110m	2.09E+08	1.41E+08	1.13E+08	0.00E+00	2.63E+08	0.00E+00	1.68E+10	0.00E+00
AG-111	2.94E+07	9.21E+06	6.08E+06	0.00E+00	2.78E+07	0.00E+00	5.64E+09	0.00E+00
CD-113m	0.00E+00	1.00E+07	4.27E+05	0.00E+00	1.03E+07	0.00E+00	2.59E+07	0.00E+00
CD-115m	0.00E+00	4.29E+06	1.83E+05	0.00E+00	3.19E+06	0.00E+00	5.83E+07	0.00E+00
SN-123	2.44E+09	3.03E+07	5.95E+07	3.21E+07	0.00E+00	0.00E+00	1.20E+09	0.00E+00
SN-125	2.58E+08	3.89E+06	1.15E+07	4.03E+06	0.00E+00	0.00E+00	7.99E+08	0.00E+00
SN-126	6.85E+09	8.54E+07	1.95E+08	2.34E+07	0.00E+00	0.00E+00	5.14E+08	0.00E+00
SB-124	1.09E+08	1.41E+06	3.81E+07	2.40E+05	0.00E+00	6.03E+07	6.79E+08	0.00E+00
SB-125	8.70E+07	6.71E+05	1.82E+07	8.06E+04	0.00E+00	4.85E+07	2.08E+08	0.00E+00
SB-126	2.28E+07	3.49E+05	8.19E+06	1.34E+05	0.00E+00	1.09E+07	4.60E+08	0.00E+00
SB-127	1.97E+06	3.04E+04	6.83E+05	2.19E+04	0.00E+00	8.54E+05	1.11E+08	0.00E+00
TE-125m	7.38E+07	2.00E+07	9.84E+06	2.07E+07	0.00E+00	0.00E+00	7.12E+07	0.00E+00
TE-127m	2.08E+08	5.60E+07	2.47E+07	4.97E+07	5.93E+08	0.00E+00	1.68E+08	0.00E+00
TE-127	2.98E+03	8.02E+02	6.38E+02	2.06E+03	8.47E+03	0.00E+00	1.16E+05	0.00E+00
TE-129m	2.71E+08	7.58E+07	4.21E+07	8.75E+07	7.97E+08	0.00E+00	3.31E+08	0.00E+00
TE-129	1.28E-09	3.58E-10	3.04E-10	9.15E-10	3.75E-09	0.00E+00	7.98E-08	0.00E+00
TE-133m	9.07E-13	3.67E-13	4.54E-13	7.03E-13	3.48E-12	0.00E+00	2.80E-11	0.00E+00

Table 4-38 (Page 3 of 4)

Child Milk R_i $m^2 \cdot mrem \cdot sec/yr \cdot \mu Ci$

<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	3.77E-18	1.70E-18	2.26E-18	2.98E-18	1.57E-17	0.00E+00	1.72E-17	0.00E+00
I-129	3.43E+09	2.11E+09	1.88E+09	1.38E+12	3.55E+09	0.00E+00	1.06E+08	0.00E+00
I-130	1.73E+06	3.49E+06	1.80E+06	3.84E+08	5.22E+06	0.00E+00	1.63E+06	0.00E+00
I-131	1.30E+09	1.31E+09	7.45E+08	4.33E+11	2.15E+09	0.00E+00	1.17E+08	0.00E+00
TE-131m	1.60E+06	5.53E+05	5.89E+05	1.14E+06	5.35E+06	0.00E+00	2.24E+07	0.00E+00
TE-131	1.62E-32	4.93E-33	4.81E-33	1.24E-32	4.89E-32	0.00E+00	8.49E-32	0.00E+00
I-132	6.89E-01	1.27E+00	5.82E-01	5.87E+01	1.94E+00	0.00E+00	1.49E+00	0.00E+00
TE-132	1.02E+07	4.53E+06	5.48E+06	6.60E+06	4.21E+07	0.00E+00	4.57E+07	0.00E+00
I-133	1.72E+07	2.12E+07	8.03E+06	3.94E+09	3.54E+07	0.00E+00	8.56E+06	0.00E+00
CS-134m	7.32E-01	1.08E+00	7.08E-01	0.00E+00	5.72E-01	9.46E-02	1.37E+00	0.00E+00
CS-134	2.26E+10	3.72E+10	7.84E+09	0.00E+00	1.15E+10	4.13E+09	2.00E+08	0.00E+00
I-134	8.48E-12	1.58E-11	7.25E-12	3.62E-10	2.41E-11	0.00E+00	1.04E-11	0.00E+00
I-135	5.40E+04	9.72E+04	4.60E+04	8.61E+06	1.49E+05	0.00E+00	7.40E+04	0.00E+00
CS-135	8.19E+09	5.71E+09	5.85E+08	0.00E+00	2.01E+09	6.72E+08	4.27E+07	0.00E+00
CS-136	1.01E+09	2.78E+09	1.80E+09	0.00E+00	1.48E+09	2.21E+08	9.77E+07	0.00E+00
CS-137	3.22E+10	3.09E+10	4.55E+09	0.00E+00	1.01E+10	3.62E+09	1.93E+08	0.00E+00
CS-138	3.98E-23	5.53E-23	3.51E-23	0.00E+00	3.89E-23	4.19E-24	2.55E-23	0.00E+00
CS-139	3.07E-89	3.41E-89	1.64E-89	0.00E+00	2.56E-89	2.58E-90	3.07E-93	0.00E+00
BA-139	2.01E-07	1.07E-10	5.82E-09	0.00E+00	9.36E-11	6.30E-11	1.16E-05	0.00E+00
BA-140	1.17E+08	1.03E+05	6.84E+06	0.00E+00	3.34E+04	6.12E+04	5.93E+07	0.00E+00
LA-140	1.94E+01	6.78E+00	2.29E+00	0.00E+00	0.00E+00	0.00E+00	1.89E+05	0.00E+00
BA-141	1.85E-45	1.04E-48	6.02E-47	0.00E+00	8.96E-49	6.09E-48	1.05E-45	0.00E+00
LA-141	1.38E-04	3.22E-05	6.99E-06	0.00E+00	0.00E+00	0.00E+00	7.16E+00	0.00E+00
CE-141	2.19E+04	1.09E+04	1.62E+03	0.00E+00	4.78E+03	0.00E+00	1.36E+07	0.00E+00
BA-142	1.16E-79	8.35E-83	6.48E-81	0.00E+00	6.76E-83	4.91E-83	1.51E-81	0.00E+00
LA-142	8.10E-11	2.58E-11	8.08E-12	0.00E+00	0.00E+00	0.00E+00	5.11E-06	0.00E+00
CE-143	1.87E+02	1.02E+05	1.47E+01	0.00E+00	4.26E+01	0.00E+00	1.49E+06	0.00E+00
PR-143	7.18E+02	2.16E+02	3.56E+01	0.00E+00	1.17E+02	0.00E+00	7.75E+05	0.00E+00
CE-144	1.62E+06	5.09E+05	8.66E+04	0.00E+00	2.82E+05	0.00E+00	1.33E+08	0.00E+00
PR-144	2.68E-53	8.28E-54	1.35E-54	0.00E+00	4.38E-54	0.00E+00	1.78E-50	0.00E+00
ND-147	4.45E+02	3.60E+02	2.79E+01	0.00E+00	1.98E+02	0.00E+00	5.70E+05	0.00E+00
PM-147	1.29E+04	9.19E+02	4.94E+02	0.00E+00	1.62E+03	0.00E+00	3.72E+05	0.00E+00
PM-148m	3.06E+03	6.09E+02	6.09E+02	0.00E+00	9.03E+02	0.00E+00	1.72E+06	0.00E+00
PM-148	2.66E+02	3.20E+01	2.07E+01	0.00E+00	5.43E+01	0.00E+00	8.54E+05	0.00E+00
PM-149	1.94E+01	2.07E+00	1.12E+00	0.00E+00	3.66E+00	0.00E+00	1.41E+05	0.00E+00
PM-151	2.90E+00	3.52E-01	2.29E-01	0.00E+00	5.97E-01	0.00E+00	4.00E+04	0.00E+00
SM-151	1.05E+04	1.57E+03	4.93E+02	0.00E+00	1.62E+03	0.00E+00	2.27E+05	0.00E+00

Table 4-38 (Page 4 of 4)

Child Milk R_i $m^2 \cdot mrem \cdot sec/yr \cdot \mu Ci$

<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	8.98E+00	5.58E+00	5.39E-01	0.00E+00	1.70E+00	0.00E+00	7.43E+04	0.00E+00
EU-152	2.52E+04	4.59E+03	5.45E+03	0.00E+00	1.94E+04	0.00E+00	7.55E+05	0.00E+00
EU-154	9.42E+04	8.47E+03	7.74E+03	0.00E+00	3.72E+04	0.00E+00	1.97E+06	0.00E+00
EU-155	1.97E+04	1.42E+03	1.11E+03	0.00E+00	5.30E+03	0.00E+00	3.54E+06	0.00E+00
EU-156	1.10E+03	5.88E+02	1.22E+02	0.00E+00	3.79E+02	0.00E+00	1.33E+06	0.00E+00
TB-160	5.61E+03	0.00E+00	6.96E+02	0.00E+00	1.67E+03	0.00E+00	1.24E+06	0.00E+00
HO-166m	4.44E+04	9.30E+03	7.86E+03	0.00E+00	1.32E+04	0.00E+00	4.11E-14	0.00E+00
W-181	1.54E+05	3.79E+04	5.21E+03	0.00E+00	0.00E+00	0.00E+00	1.38E+06	0.00E+00
W-185	5.89E+06	1.47E+06	2.06E+05	0.00E+00	0.00E+00	0.00E+00	5.48E+07	0.00E+00
W-187	2.89E+04	1.71E+04	7.68E+03	0.00E+00	0.00E+00	0.00E+00	2.40E+06	0.00E+00
NP-239	1.72E+01	1.24E+00	8.71E-01	0.00E+00	3.58E+00	0.00E+00	9.17E+04	0.00E+00
U-232	7.24E+10	0.00E+00	5.18E+09	0.00E+00	5.51E+09	0.00E+00	2.87E+08	0.00E+00
U-233	1.53E+10	0.00E+00	9.26E+08	0.00E+00	2.51E+09	0.00E+00	2.65E+08	0.00E+00
U-234	1.47E+10	0.00E+00	9.09E+08	0.00E+00	2.46E+09	0.00E+00	2.60E+08	0.00E+00
U-235	1.41E+10	0.00E+00	8.52E+08	0.00E+00	2.31E+09	0.00E+00	3.30E+08	0.00E+00
U-236	1.41E+10	0.00E+00	8.72E+08	0.00E+00	2.36E+09	0.00E+00	2.44E+08	0.00E+00
U-237	2.57E+05	0.00E+00	6.83E+04	0.00E+00	7.42E+05	0.00E+00	2.27E+07	0.00E+00
U-238	1.35E+10	0.00E+00	7.98E+08	0.00E+00	2.16E+09	0.00E+00	2.33E+08	0.00E+00
NP-237	9.17E+07	6.05E+06	4.03E+06	0.00E+00	2.49E+07	0.00E+00	3.36E+06	0.00E+00
NP-238	1.64E+02	3.31E+00	2.55E+00	0.00E+00	1.05E+01	0.00E+00	1.13E+05	0.00E+00
PU-238	1.96E+07	2.27E+06	5.20E+05	0.00E+00	1.89E+06	0.00E+00	1.23E+06	0.00E+00
PU-239	2.12E+07	2.27E+06	5.45E+05	0.00E+00	2.01E+06	0.00E+00	1.13E+06	0.00E+00
PU-240	2.11E+07	2.35E+06	5.45E+05	0.00E+00	2.01E+06	0.00E+00	1.15E+06	0.00E+00
PU-241	6.35E+05	2.59E+04	1.32E+04	0.00E+00	4.86E+04	0.00E+00	2.36E+04	0.00E+00
PU-242	1.96E+07	2.27E+06	5.25E+05	0.00E+00	1.93E+06	0.00E+00	1.10E+06	0.00E+00
PU-244	2.29E+07	2.60E+07	6.01E+05	0.00E+00	2.22E+06	0.00E+00	1.65E+06	0.00E+00
AM-241	5.59E+07	4.81E+07	4.20E+06	0.00E+00	2.56E+07	0.00E+00	3.14E+06	0.00E+00
AM-242m	5.76E+07	4.61E+07	4.28E+06	0.00E+00	2.59E+07	0.00E+00	3.95E+06	0.00E+00
AM-243	5.51E+07	4.65E+07	4.04E+06	0.00E+00	2.49E+07	0.00E+00	3.68E+06	0.00E+00
CM-242	3.30E+06	2.63E+06	2.19E+05	0.00E+00	7.02E+05	0.00E+00	3.07E+06	0.00E+00
CM-243	5.26E+07	4.27E+07	3.38E+06	0.00E+00	1.27E+07	0.00E+00	3.30E+06	0.00E+00
CM-244	4.43E+07	3.59E+07	2.84E+06	0.00E+00	1.04E+07	0.00E+00	3.19E+06	0.00E+00
CM-245	6.87E+07	5.51E+07	4.32E+06	0.00E+00	1.69E+07	0.00E+00	2.98E+06	0.00E+00
CM-246	6.79E+07	5.51E+07	4.32E+06	0.00E+00	1.69E+07	0.00E+00	2.92E+06	0.00E+00
CM-247	6.62E+07	5.43E+07	4.24E+06	0.00E+00	1.66E+07	0.00E+00	3.85E+06	0.00E+00
CM-248	5.51E+08	4.48E+08	3.50E+07	0.00E+00	1.37E+08	0.00E+00	6.21E+07	0.00E+00
CF-252	4.25E+07	0.00E+00	1.03E+06	0.00E+00	0.00E+00	0.00E+00	1.20E+07	0.00E+00

Table 4-39 (Page 1 of 4)

Teen Milk R_i $m^2 \cdot mrem \cdot sec/yr \cdot \mu Ci$

<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	5.66E+02	5.66E+02	5.66E+02	5.66E+02	5.66E+02	5.66E+02	0.00E+00
C-14	6.70E+05	1.34E+05	1.34E+05	1.34E+05	1.34E+05	1.34E+05	1.34E+05	0.00E+00
NA-22	9.19E+09	9.19E+09	9.19E+09	9.19E+09	9.19E+09	9.19E+09	9.19E+09	0.00E+00
NA-24	4.26E+06	4.26E+06	4.26E+06	4.26E+06	4.26E+06	4.26E+06	4.26E+06	0.00E+00
P-32	3.15E+10	1.95E+09	1.22E+09	0.00E+00	0.00E+00	0.00E+00	2.65E+09	0.00E+00
CA-41	1.57E+10	0.00E+00	1.70E+09	0.00E+00	0.00E+00	0.00E+00	1.56E+07	0.00E+00
SC-46	3.04E+02	5.93E+02	1.76E+02	0.00E+00	5.67E+02	0.00E+00	2.02E+06	0.00E+00
CR-51	0.00E+00	0.00E+00	4.99E+04	2.77E+04	1.09E+04	7.13E+04	8.39E+06	0.00E+00
MN-54	0.00E+00	1.40E+07	2.78E+06	0.00E+00	4.18E+06	0.00E+00	2.87E+07	0.00E+00
FE-55	4.45E+07	3.16E+07	7.36E+06	0.00E+00	0.00E+00	2.00E+07	1.37E+07	0.00E+00
MN-56	0.00E+00	7.36E-03	1.31E-03	0.00E+00	9.31E-03	0.00E+00	4.84E-01	0.00E+00
CO-57	0.00E+00	2.25E+06	3.76E+06	0.00E+00	0.00E+00	0.00E+00	4.19E+07	0.00E+00
CO-58	0.00E+00	7.94E+06	1.83E+07	0.00E+00	0.00E+00	0.00E+00	1.09E+08	0.00E+00
FE-59	5.18E+07	1.21E+08	4.67E+07	0.00E+00	0.00E+00	3.81E+07	2.86E+08	0.00E+00
CO-60	0.00E+00	2.78E+07	6.26E+07	0.00E+00	0.00E+00	0.00E+00	3.62E+08	0.00E+00
NI-59	8.82E+08	3.11E+08	1.50E+08	0.00E+00	0.00E+00	0.00E+00	4.88E+07	0.00E+00
NI-63	1.18E+10	8.35E+08	4.01E+08	0.00E+00	0.00E+00	0.00E+00	1.33E+08	0.00E+00
CU-64	0.00E+00	4.25E+04	2.00E+04	0.00E+00	1.07E+05	0.00E+00	3.29E+06	0.00E+00
NI-65	6.77E-01	8.65E-02	3.94E-02	0.00E+00	0.00E+00	0.00E+00	4.69E+00	0.00E+00
ZN-65	2.11E+09	7.32E+09	3.41E+09	0.00E+00	4.68E+09	0.00E+00	3.10E+09	0.00E+00
ZN-69m	3.26E+05	7.69E+05	7.05E+04	0.00E+00	4.67E+05	0.00E+00	4.22E+07	0.00E+00
ZN-69	3.85E-12	7.34E-12	5.13E-13	0.00E+00	4.79E-12	0.00E+00	1.35E-11	0.00E+00
SE-79	0.00E+00	1.67E+09	2.81E+08	0.00E+00	2.92E+09	0.00E+00	2.56E+08	0.00E+00
BR-82	0.00E+00	0.00E+00	5.61E+07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
BR-83	0.00E+00	0.00E+00	1.79E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
BR-84	0.00E+00	0.00E+00	2.88E-23	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
BR-85	0.00E+00	0.00E+00	3.59E-301	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RB-86	0.00E+00	4.73E+09	2.22E+09	0.00E+00	0.00E+00	0.00E+00	7.00E+08	0.00E+00
RB-87	0.00E+00	5.24E+09	1.83E+09	0.00E+00	0.00E+00	0.00E+00	1.83E+08	0.00E+00
RB-88	0.00E+00	3.89E-45	2.07E-45	0.00E+00	0.00E+00	0.00E+00	3.33E-52	0.00E+00
RB-89	0.00E+00	7.66E-53	5.42E-53	0.00E+00	0.00E+00	0.00E+00	1.17E-61	0.00E+00
SR-89	2.67E+09	0.00E+00	7.66E+07	0.00E+00	0.00E+00	0.00E+00	3.19E+08	0.00E+00
SR-90	8.13E+10	0.00E+00	1.63E+09	0.00E+00	0.00E+00	0.00E+00	1.86E+09	0.00E+00
Y-90	1.30E+02	0.00E+00	3.51E+00	0.00E+00	0.00E+00	0.00E+00	1.07E+06	0.00E+00
SR-91	5.31E+04	0.00E+00	2.11E+03	0.00E+00	0.00E+00	0.00E+00	2.41E+05	0.00E+00
Y-91m	1.10E-19	0.00E+00	4.19E-21	0.00E+00	0.00E+00	0.00E+00	5.17E-18	0.00E+00
Y-91	1.58E+04	0.00E+00	4.24E+02	0.00E+00	0.00E+00	0.00E+00	6.48E+06	0.00E+00

Table 4-39 (Page 2 of 4)

Teen Milk R_i $m^2 \cdot mrem \cdot sec/yr \cdot \mu Ci$

<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	8.94E-01	0.00E+00	3.81E-02	0.00E+00	0.00E+00	0.00E+00	2.28E+01	0.00E+00
Y-92	1.03E-04	0.00E+00	2.98E-06	0.00E+00	0.00E+00	0.00E+00	2.83E+00	0.00E+00
Y-93	4.12E-01	0.00E+00	1.13E-02	0.00E+00	0.00E+00	0.00E+00	1.26E+04	0.00E+00
NB-93m	8.55E+05	2.81E+05	7.04E+04	0.00E+00	3.28E+05	0.00E+00	1.01E+08	0.00E+00
NB-95	1.41E+05	7.81E+04	4.30E+04	0.00E+00	7.57E+04	0.00E+00	3.34E+08	0.00E+00
NB-97	5.99E-12	1.49E-12	5.43E-13	0.00E+00	1.74E-12	0.00E+00	3.55E-08	0.00E+00
ZR-93	2.76E+03	1.36E+03	7.43E+02	0.00E+00	4.81E+03	0.00E+00	1.29E+06	0.00E+00
ZR-95	1.65E+03	5.20E+02	3.58E+02	0.00E+00	7.65E+02	0.00E+00	1.20E+06	0.00E+00
ZR-97	7.88E-01	1.56E-01	7.19E-02	0.00E+00	2.37E-01	0.00E+00	4.22E+04	0.00E+00
MO-93	0.00E+00	7.93E+08	2.17E+07	0.00E+00	2.27E+08	0.00E+00	9.65E+07	0.00E+00
MO-99	0.00E+00	4.47E+07	8.53E+06	0.00E+00	1.02E+08	0.00E+00	8.01E+07	0.00E+00
TC-99	4.46E+07	6.56E+07	1.79E+07	0.00E+00	8.33E+08	6.78E+06	1.61E+09	0.00E+00
TC-99m	5.76E+00	1.61E+01	2.08E+02	0.00E+00	2.39E+02	8.92E+00	1.05E+04	0.00E+00
TC-101	4.74E-60	6.74E-60	6.62E-59	0.00E+00	1.22E-58	4.11E-60	1.15E-66	0.00E+00
RU-103	1.81E+03	0.00E+00	7.74E+02	0.00E+00	6.38E+03	0.00E+00	1.51E+05	0.00E+00
RU-105	1.56E-03	0.00E+00	6.07E-04	0.00E+00	1.97E-02	0.00E+00	1.26E+00	0.00E+00
RU-106	3.75E+04	0.00E+00	4.73E+03	0.00E+00	7.24E+04	0.00E+00	1.80E+06	0.00E+00
RH-105	6.40E+05	4.63E+05	3.04E+05	0.00E+00	1.97E+06	0.00E+00	5.89E+07	0.00E+00
PD-107	0.00E+00	2.07E+07	1.34E+06	0.00E+00	1.87E+08	0.00E+00	9.63E+07	0.00E+00
PD-109	0.00E+00	8.10E+04	1.84E+04	0.00E+00	4.68E+05	0.00E+00	8.17E+06	0.00E+00
AG-110m	9.63E+07	9.11E+07	5.54E+07	0.00E+00	1.74E+08	0.00E+00	2.56E+10	0.00E+00
AG-111	1.19E+07	4.95E+06	2.49E+06	0.00E+00	1.61E+07	0.00E+00	6.91E+09	0.00E+00
CD-113m	0.00E+00	5.38E+06	1.73E+05	0.00E+00	5.95E+06	0.00E+00	3.23E+07	0.00E+00
CD-115m	0.00E+00	2.30E+06	7.41E+04	0.00E+00	1.84E+06	0.00E+00	7.27E+07	0.00E+00
SN-123	9.88E+08	1.62E+07	2.40E+07	1.30E+07	0.00E+00	0.00E+00	1.49E+09	0.00E+00
SN-125	1.05E+08	2.09E+06	4.73E+06	1.64E+06	0.00E+00	0.00E+00	9.86E+08	0.00E+00
SN-126	2.89E+09	5.39E+07	8.23E+07	1.42E+07	0.00E+00	0.00E+00	6.43E+08	0.00E+00
SB-124	4.59E+07	8.46E+05	1.79E+07	1.04E+05	0.00E+00	4.01E+07	9.25E+08	0.00E+00
SB-125	3.65E+07	3.99E+05	8.55E+06	3.49E+04	0.00E+00	3.21E+07	2.84E+08	0.00E+00
SB-126	9.99E+06	2.04E+05	3.59E+06	5.65E+04	0.00E+00	7.16E+06	5.91E+08	0.00E+00
SB-127	8.17E+05	1.75E+04	3.08E+05	9.18E+03	0.00E+00	5.56E+05	1.39E+08	0.00E+00
TE-125m	3.00E+07	1.08E+07	4.02E+06	8.39E+06	0.00E+00	0.00E+00	8.86E+07	0.00E+00
TE-127m	8.44E+07	2.99E+07	1.00E+07	2.01E+07	3.42E+08	0.00E+00	2.10E+08	0.00E+00
TE-127	1.21E+03	4.29E+02	2.60E+02	8.35E+02	4.90E+03	0.00E+00	9.34E+04	0.00E+00
TE-129m	1.10E+08	4.09E+07	1.74E+07	3.55E+07	4.61E+08	0.00E+00	4.13E+08	0.00E+00
TE-129	5.20E-10	1.94E-10	1.26E-10	3.71E-10	2.18E-09	0.00E+00	2.84E-09	0.00E+00
TE-133m	3.79E-13	2.15E-13	2.09E-13	3.00E-13	2.13E-12	0.00E+00	8.70E-13	0.00E+00

Table 4-39 (Page 3 of 4)

Teen Milk R_im²*mrem*sec/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	1.59E-18	1.02E-18	1.06E-18	1.30E-18	9.72E-18	0.00E+00	5.89E-20	0.00E+00
I-129	1.39E+09	1.17E+09	1.96E+09	1.43E+12	2.10E+09	0.00E+00	1.37E+08	0.00E+00
I-130	7.38E+05	2.14E+06	8.53E+05	1.74E+08	3.29E+06	0.00E+00	1.64E+06	0.00E+00
I-131	5.37E+08	7.52E+08	4.04E+08	2.19E+11	1.29E+09	0.00E+00	1.49E+08	0.00E+00
TE-131m	6.57E+05	3.15E+05	2.63E+05	4.74E+05	3.29E+06	0.00E+00	2.53E+07	0.00E+00
TE-131	6.58E-33	2.71E-33	2.06E-33	5.07E-33	2.88E-32	0.00E+00	5.40E-34	0.00E+00
I-132	2.91E-01	7.62E-01	2.74E-01	2.57E+01	1.20E+00	0.00E+00	3.32E-01	0.00E+00
TE-132	4.29E+06	2.72E+06	2.56E+06	2.87E+06	2.61E+07	0.00E+00	8.61E+07	0.00E+00
I-133	7.07E+06	1.20E+07	3.66E+06	1.67E+09	2.10E+07	0.00E+00	9.07E+06	0.00E+00
CS-134m	3.09E-01	6.41E-01	3.29E-01	0.00E+00	3.57E-01	6.26E-02	4.26E-01	0.00E+00
CS-134	9.82E+09	2.31E+10	1.07E+10	0.00E+00	7.34E+09	2.80E+09	2.87E+08	0.00E+00
I-134	3.58E-12	9.50E-12	3.41E-12	1.58E-10	1.50E-11	0.00E+00	1.25E-13	0.00E+00
I-135	2.28E+04	5.87E+04	2.18E+04	3.78E+06	9.27E+04	0.00E+00	6.51E+04	0.00E+00
CS-135	3.33E+09	3.05E+09	7.13E+08	0.00E+00	1.16E+09	4.21E+08	5.34E+07	0.00E+00
CS-136	4.48E+08	1.76E+09	1.18E+09	0.00E+00	9.60E+08	1.51E+08	1.42E+08	0.00E+00
CS-137	1.34E+10	1.78E+10	6.20E+09	0.00E+00	6.06E+09	2.35E+09	2.53E+08	0.00E+00
CS-138	1.64E-23	3.15E-23	1.57E-23	0.00E+00	2.33E-23	2.71E-24	1.43E-26	0.00E+00
CS-139	1.25E-89	1.84E-89	6.75E-90	0.00E+00	1.49E-89	1.63E-90	8.54E-105	0.00E+00
BA-139	8.17E-08	5.75E-11	2.38E-09	0.00E+00	5.42E-11	3.96E-11	7.29E-07	0.00E+00
BA-140	4.85E+07	5.95E+04	3.13E+06	0.00E+00	2.02E+04	4.00E+04	7.48E+07	0.00E+00
LA-140	8.10E+00	3.98E+00	1.06E+00	0.00E+00	0.00E+00	0.00E+00	2.29E+05	0.00E+00
BA-141	7.52E-46	5.62E-49	2.51E-47	0.00E+00	5.21E-49	3.85E-49	1.60E-51	0.00E+00
LA-141	5.60E-05	1.72E-05	2.84E-06	0.00E+00	0.00E+00	0.00E+00	3.05E+00	0.00E+00
CE-141	8.88E+03	5.93E+03	6.81E+02	0.00E+00	2.79E+03	0.00E+00	1.70E+07	0.00E+00
BA-142	4.81E-80	4.81E-83	2.96E-81	0.00E+00	4.07E-83	3.20E-83	1.48E-91	0.00E+00
LA-142	3.35E-11	1.49E-11	3.71E-12	0.00E+00	0.00E+00	0.00E+00	4.53E-07	0.00E+00
CE-143	7.64E+01	5.56E+04	6.21E+00	0.00E+00	2.49E+01	0.00E+00	1.67E+06	0.00E+00
PR-143	2.90E+02	1.16E+02	1.44E+01	0.00E+00	6.73E+01	0.00E+00	9.54E+05	0.00E+00
CE-144	6.58E+05	2.72E+05	3.54E+04	0.00E+00	1.63E+05	0.00E+00	1.66E+08	0.00E+00
PR-144	1.08E-53	4.43E-54	5.48E-55	0.00E+00	2.54E-54	0.00E+00	1.19E-56	0.00E+00
ND-147	1.81E+02	1.97E+02	1.18E+01	0.00E+00	1.16E+02	0.00E+00	7.11E+05	0.00E+00
PM-147	5.15E+03	4.89E+02	1.99E+02	0.00E+00	9.32E+02	0.00E+00	4.65E+05	0.00E+00
PM-148m	1.49E+03	3.78E+02	2.96E+02	0.00E+00	5.73E+02	0.00E+00	2.38E+06	0.00E+00
PM-148	1.09E+02	1.77E+01	8.92E+00	0.00E+00	3.20E+01	0.00E+00	1.06E+06	0.00E+00
PM-149	7.88E+00	1.11E+00	4.54E-01	0.00E+00	2.11E+00	0.00E+00	1.63E+05	0.00E+00
PM-151	1.19E+00	1.96E-01	9.92E-02	0.00E+00	3.52E-01	0.00E+00	4.40E+04	0.00E+00
SM-151	4.35E+03	8.37E+02	1.96E+02	0.00E+00	9.17E+02	0.00E+00	2.84E+05	0.00E+00

Table 4-39 (Page 4 of 4)

Teen Milk R_im²*mrem*sec/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	3.64E+00	3.01E+00	2.22E-01	0.00E+00	9.84E-01	0.00E+00	8.50E+04	0.00E+00
EU-152	1.22E+04	2.93E+03	2.58E+03	0.00E+00	1.36E+04	0.00E+00	1.08E+06	0.00E+00
EU-154	3.93E+04	5.06E+03	3.57E+03	0.00E+00	2.26E+04	0.00E+00	2.67E+06	0.00E+00
EU-155	8.60E+03	8.31E+02	5.14E+02	0.00E+00	3.25E+03	0.00E+00	4.76E+06	0.00E+00
EU-156	4.55E+02	3.41E+02	5.57E+01	0.00E+00	2.29E+02	0.00E+00	1.74E+06	0.00E+00
TB-160	2.65E+03	0.00E+00	3.31E+02	0.00E+00	1.05E+03	0.00E+00	1.72E+06	0.00E+00
HO-166m	1.78E+04	5.48E+03	3.97E+03	0.00E+00	8.03E+03	0.00E+00	4.99E-14	0.00E+00
W-181	6.27E+04	2.02E+04	2.12E+03	0.00E+00	0.00E+00	0.00E+00	1.72E+06	0.00E+00
W-185	2.39E+06	7.88E+05	8.33E+04	0.00E+00	0.00E+00	0.00E+00	6.81E+07	0.00E+00
W-187	1.19E+04	9.71E+03	3.40E+03	0.00E+00	0.00E+00	0.00E+00	2.63E+06	0.00E+00
NP-239	7.01E+00	6.61E-01	3.67E-01	0.00E+00	2.07E+00	0.00E+00	1.06E+05	0.00E+00
U-232	2.94E+10	0.00E+00	2.10E+09	0.00E+00	3.18E+09	0.00E+00	3.58E+08	0.00E+00
U-233	6.18E+09	0.00E+00	3.76E+08	0.00E+00	1.45E+09	0.00E+00	3.32E+08	0.00E+00
U-234	5.93E+09	0.00E+00	3.68E+08	0.00E+00	1.42E+09	0.00E+00	3.25E+08	0.00E+00
U-235	5.68E+09	0.00E+00	3.46E+08	0.00E+00	1.33E+09	0.00E+00	4.13E+08	0.00E+00
U-236	5.68E+09	0.00E+00	3.54E+08	0.00E+00	1.36E+09	0.00E+00	3.05E+08	0.00E+00
U-237	1.04E+05	0.00E+00	2.77E+04	0.00E+00	4.28E+05	0.00E+00	2.76E+07	0.00E+00
U-238	5.44E+09	0.00E+00	3.24E+08	0.00E+00	1.25E+09	0.00E+00	2.91E+08	0.00E+00
NP-237	6.63E+07	4.76E+06	2.92E+06	0.00E+00	2.16E+07	0.00E+00	4.19E+06	0.00E+00
NP-238	6.63E+01	1.77E+00	1.03E+00	0.00E+00	6.09E+00	0.00E+00	1.30E+05	0.00E+00
PU-238	1.34E+07	1.71E+06	3.63E+05	0.00E+00	1.55E+06	0.00E+00	1.54E+06	0.00E+00
PU-239	1.53E+07	1.85E+06	4.01E+05	0.00E+00	1.71E+06	0.00E+00	1.41E+06	0.00E+00
PU-240	1.52E+07	1.85E+06	4.01E+05	0.00E+00	1.71E+06	0.00E+00	1.43E+06	0.00E+00
PU-241	3.48E+05	1.67E+04	7.34E+03	0.00E+00	3.40E+04	0.00E+00	2.94E+04	0.00E+00
PU-242	1.41E+07	1.78E+06	3.87E+05	0.00E+00	1.65E+06	0.00E+00	1.38E+06	0.00E+00
PU-244	1.65E+07	2.03E+06	4.43E+05	0.00E+00	1.88E+06	0.00E+00	2.05E+06	0.00E+00
AM-241	3.98E+07	3.75E+07	2.87E+06	0.00E+00	2.15E+07	0.00E+00	3.92E+06	0.00E+00
AM-242m	4.02E+07	3.54E+07	2.89E+06	0.00E+00	2.14E+07	0.00E+00	4.94E+06	0.00E+00
AM-243	3.97E+07	3.66E+07	2.80E+06	0.00E+00	2.10E+07	0.00E+00	4.60E+06	0.00E+00
CM-242	1.34E+06	1.41E+06	8.88E+04	0.00E+00	4.05E+05	0.00E+00	3.82E+06	0.00E+00
CM-243	3.24E+07	3.00E+07	2.04E+06	0.00E+00	9.51E+06	0.00E+00	4.12E+06	0.00E+00
CM-244	2.51E+07	2.37E+07	1.59E+06	0.00E+00	7.41E+06	0.00E+00	3.98E+06	0.00E+00
CM-245	4.94E+07	4.34E+07	3.04E+06	0.00E+00	1.42E+07	0.00E+00	3.72E+06	0.00E+00
CM-246	4.90E+07	4.34E+07	3.04E+06	0.00E+00	1.42E+07	0.00E+00	3.65E+06	0.00E+00
CM-247	4.77E+07	4.27E+07	2.99E+06	0.00E+00	1.40E+07	0.00E+00	4.80E+06	0.00E+00
CM-248	3.96E+08	3.52E+08	2.47E+07	0.00E+00	1.15E+08	0.00E+00	7.73E+07	0.00E+00
CF-252	1.70E+07	0.00E+00	4.11E+05	0.00E+00	0.00E+00	0.00E+00	1.50E+07	0.00E+00

Table 4-40 (Page 1 of 4)

Adult Milk R_im²*mrem*sec/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>
H-3	0.00E+00	4.35E+02	4.35E+02	4.35E+02	4.35E+02	4.35E+02	4.35E+02	0.00E+00
C-14	3.63E+05	7.26E+04	7.26E+04	7.26E+04	7.26E+04	7.26E+04	7.26E+04	0.00E+00
NA-22	5.29E+09	5.29E+09	5.29E+09	5.29E+09	5.29E+09	5.29E+09	5.29E+09	0.00E+00
NA-24	2.44E+06	2.44E+06	2.44E+06	2.44E+06	2.44E+06	2.44E+06	2.44E+06	0.00E+00
P-32	1.71E+10	1.06E+09	6.61E+08	0.00E+00	0.00E+00	0.00E+00	1.92E+09	0.00E+00
CA-41	1.14E+10	0.00E+00	1.24E+09	0.00E+00	0.00E+00	0.00E+00	1.14E+07	0.00E+00
SC-46	1.79E+02	3.48E+02	1.01E+02	0.00E+00	3.25E+02	0.00E+00	1.70E+06	0.00E+00
CR-51	0.00E+00	0.00E+00	2.86E+04	1.71E+04	6.30E+03	3.79E+04	7.19E+06	0.00E+00
MN-54	0.00E+00	8.41E+06	1.61E+06	0.00E+00	2.50E+06	0.00E+00	2.58E+07	0.00E+00
FE-55	2.51E+07	1.74E+07	4.05E+06	0.00E+00	0.00E+00	9.68E+06	9.95E+06	0.00E+00
MN-56	0.00E+00	4.15E-03	7.36E-04	0.00E+00	5.27E-03	0.00E+00	1.32E-01	0.00E+00
CO-57	0.00E+00	1.28E+06	2.13E+06	0.00E+00	0.00E+00	0.00E+00	3.25E+07	0.00E+00
CO-58	0.00E+00	4.71E+06	1.06E+07	0.00E+00	0.00E+00	0.00E+00	9.55E+07	0.00E+00
FE-59	2.97E+07	6.98E+07	2.68E+07	0.00E+00	0.00E+00	1.95E+07	2.33E+08	0.00E+00
CO-60	0.00E+00	1.64E+07	3.62E+07	0.00E+00	0.00E+00	0.00E+00	3.08E+08	0.00E+00
NI-59	5.05E+08	1.73E+08	8.44E+07	0.00E+00	0.00E+00	0.00E+00	3.57E+07	0.00E+00
NI-63	6.73E+09	4.66E+08	2.26E+08	0.00E+00	0.00E+00	0.00E+00	9.73E+07	0.00E+00
CU-64	0.00E+00	2.38E+04	1.12E+04	0.00E+00	6.01E+04	0.00E+00	2.03E+06	0.00E+00
NI-65	3.70E-01	4.81E-02	2.19E-02	0.00E+00	0.00E+00	0.00E+00	1.22E+00	0.00E+00
ZN-65	1.37E+09	4.37E+09	1.97E+09	0.00E+00	2.92E+09	0.00E+00	2.75E+09	0.00E+00
ZN-69m	1.79E+05	4.29E+05	3.93E+04	0.00E+00	2.60E+05	0.00E+00	2.62E+07	0.00E+00
ZN-69	2.09E-12	4.00E-12	2.78E-13	0.00E+00	2.60E-12	0.00E+00	6.01E-13	0.00E+00
SE-79	0.00E+00	9.15E+08	1.53E+08	0.00E+00	1.58E+09	0.00E+00	1.87E+08	0.00E+00
BR-82	0.00E+00	0.00E+00	3.23E+07	0.00E+00	0.00E+00	0.00E+00	3.70E+07	0.00E+00
BR-83	0.00E+00	0.00E+00	9.72E-02	0.00E+00	0.00E+00	0.00E+00	1.40E-01	0.00E+00
BR-84	0.00E+00	0.00E+00	1.61E-23	0.00E+00	0.00E+00	0.00E+00	1.26E-28	0.00E+00
BR-85	0.00E+00	0.00E+00	1.95E-301	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RB-86	0.00E+00	2.59E+09	1.21E+09	0.00E+00	0.00E+00	0.00E+00	5.12E+08	0.00E+00
RB-87	0.00E+00	2.85E+09	9.92E+08	0.00E+00	0.00E+00	0.00E+00	1.34E+08	0.00E+00
RB-88	0.00E+00	2.14E-45	1.13E-45	0.00E+00	0.00E+00	0.00E+00	2.96E-56	0.00E+00
RB-89	0.00E+00	4.33E-53	3.05E-53	0.00E+00	0.00E+00	0.00E+00	2.52E-66	0.00E+00
SR-89	1.45E+09	0.00E+00	4.16E+07	0.00E+00	0.00E+00	0.00E+00	2.33E+08	0.00E+00
SR-90	5.38E+10	0.00E+00	1.08E+09	0.00E+00	0.00E+00	0.00E+00	1.35E+09	0.00E+00
Y-90	7.08E+01	0.00E+00	1.90E+00	0.00E+00	0.00E+00	0.00E+00	7.51E+05	0.00E+00
SR-91	2.89E+04	0.00E+00	1.17E+03	0.00E+00	0.00E+00	0.00E+00	1.38E+05	0.00E+00
Y-91m	5.98E-20	0.00E+00	2.32E-21	0.00E+00	0.00E+00	0.00E+00	1.76E-19	0.00E+00
Y-91	8.59E+03	0.00E+00	2.30E+02	0.00E+00	0.00E+00	0.00E+00	4.73E+06	0.00E+00

Table 4-40 (Page 2 of 4)

Adult Milk R_i $m^2 \cdot mrem \cdot sec/yr \cdot \mu Ci$

<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	4.88E-01	0.00E+00	2.11E-02	0.00E+00	0.00E+00	0.00E+00	9.68E+00	0.00E+00
Y-92	5.58E-05	0.00E+00	1.63E-06	0.00E+00	0.00E+00	0.00E+00	9.77E-01	0.00E+00
Y-93	2.23E-01	0.00E+00	6.17E-03	0.00E+00	0.00E+00	0.00E+00	7.08E+03	0.00E+00
NB-93m	4.91E+05	1.60E+05	3.95E+04	0.00E+00	1.84E+05	0.00E+00	7.40E+07	0.00E+00
NB-95	8.26E+04	4.59E+04	2.47E+04	0.00E+00	4.54E+04	0.00E+00	2.79E+08	0.00E+00
NB-97	3.29E-12	8.32E-13	3.04E-13	0.00E+00	9.71E-13	0.00E+00	3.07E-09	0.00E+00
ZR-93	1.62E+03	9.04E+01	4.21E+01	0.00E+00	3.43E+02	0.00E+00	9.39E+04	0.00E+00
ZR-95	9.43E+02	3.03E+02	2.05E+02	0.00E+00	4.75E+02	0.00E+00	9.59E+05	0.00E+00
ZR-97	4.33E-01	8.74E-02	4.00E-02	0.00E+00	1.32E-01	0.00E+00	2.71E+04	0.00E+00
MO-93	0.00E+00	4.35E+08	1.18E+07	0.00E+00	1.23E+08	0.00E+00	7.07E+07	0.00E+00
MO-99	0.00E+00	2.48E+07	4.71E+06	0.00E+00	5.61E+07	0.00E+00	5.74E+07	0.00E+00
TC-99	2.42E+07	3.59E+07	9.70E+06	0.00E+00	4.52E+08	3.05E+06	1.17E+09	0.00E+00
TC-99m	3.32E+00	9.38E+00	1.20E+02	0.00E+00	1.43E+02	4.60E+00	5.55E+03	0.00E+00
TC-101	2.59E-60	3.74E-60	3.66E-59	0.00E+00	6.73E-59	1.91E-60	1.12E-71	0.00E+00
RU-103	1.02E+03	0.00E+00	4.39E+02	0.00E+00	3.89E+03	0.00E+00	1.19E+05	0.00E+00
RU-105	8.57E-04	0.00E+00	3.38E-04	0.00E+00	1.11E-02	0.00E+00	5.24E-01	0.00E+00
RU-106	2.04E+04	0.00E+00	2.58E+03	0.00E+00	3.94E+04	0.00E+00	1.32E+06	0.00E+00
RH-105	3.47E+05	2.54E+05	1.67E+05	0.00E+00	1.08E+06	0.00E+00	4.04E+07	0.00E+00
PD-107	0.00E+00	1.14E+07	7.27E+05	0.00E+00	1.02E+08	0.00E+00	7.04E+07	0.00E+00
PD-109	0.00E+00	4.43E+04	9.98E+03	0.00E+00	2.53E+05	0.00E+00	4.90E+06	0.00E+00
AG-110m	5.82E+07	5.39E+07	3.20E+07	0.00E+00	1.06E+08	0.00E+00	2.20E+10	0.00E+00
AG-111	6.48E+06	2.71E+06	1.35E+06	0.00E+00	8.74E+06	0.00E+00	4.97E+09	0.00E+00
CD-113m	0.00E+00	2.94E+06	9.43E+04	0.00E+00	3.24E+06	0.00E+00	2.37E+07	0.00E+00
CD-115m	0.00E+00	1.26E+06	4.02E+04	0.00E+00	9.99E+05	0.00E+00	5.30E+07	0.00E+00
SN-123	5.36E+08	8.88E+06	1.31E+07	7.55E+06	0.00E+00	0.00E+00	1.09E+09	0.00E+00
SN-125	5.68E+07	1.15E+06	2.58E+06	9.48E+05	0.00E+00	0.00E+00	7.10E+08	0.00E+00
SN-126	1.63E+09	3.23E+07	4.64E+07	9.51E+06	0.00E+00	0.00E+00	4.70E+08	0.00E+00
SB-124	2.57E+07	4.86E+05	1.02E+07	6.24E+04	0.00E+00	2.00E+07	7.31E+08	0.00E+00
SB-125	2.04E+07	2.28E+05	4.86E+06	2.08E+04	0.00E+00	1.58E+07	2.25E+08	0.00E+00
SB-126	5.60E+06	1.14E+05	2.02E+06	3.43E+04	0.00E+00	3.43E+06	4.58E+08	0.00E+00
SB-127	4.50E+05	9.85E+03	1.73E+05	5.41E+03	0.00E+00	2.67E+05	1.03E+08	0.00E+00
TE-125m	1.63E+07	5.90E+06	2.18E+06	4.90E+06	6.63E+07	0.00E+00	6.50E+07	0.00E+00
TE-127m	4.58E+07	1.64E+07	5.58E+06	1.17E+07	1.86E+08	0.00E+00	1.54E+08	0.00E+00
TE-127	6.53E+02	2.34E+02	1.41E+02	4.84E+02	2.66E+03	0.00E+00	5.15E+04	0.00E+00
TE-129m	6.02E+07	2.25E+07	9.53E+06	2.07E+07	2.51E+08	0.00E+00	3.03E+08	0.00E+00
TE-129	2.82E-10	1.06E-10	6.88E-11	2.17E-10	1.19E-09	0.00E+00	2.13E-10	0.00E+00
TE-133m	2.10E-13	1.23E-13	1.18E-13	1.78E-13	1.22E-12	0.00E+00	4.22E-14	0.00E+00

Table 4-40 (Page 3 of 4)

Adult Milk R_i $m^2 \cdot mrem \cdot sec/yr \cdot \mu Ci$

<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	8.90E-19	5.83E-19	3.57E-19	7.78E-19	5.63E-18	0.00E+00	9.87E-22	0.00E+00
I-129	7.58E+08	6.52E+08	2.14E+09	1.68E+12	1.40E+09	0.00E+00	1.03E+08	0.00E+00
I-130	4.20E+05	1.24E+06	4.89E+05	1.05E+08	1.93E+06	0.00E+00	1.07E+06	0.00E+00
I-131	2.96E+08	4.23E+08	2.43E+08	1.39E+11	7.26E+08	0.00E+00	1.12E+08	0.00E+00
TE-131m	3.61E+05	1.77E+05	1.47E+05	2.80E+05	1.79E+06	0.00E+00	1.75E+07	0.00E+00
TE-131	3.60E-33	1.51E-33	1.14E-33	2.96E-33	1.58E-32	0.00E+00	5.10E-34	0.00E+00
I-132	1.64E-01	4.39E-01	1.54E-01	1.54E+01	7.00E-01	0.00E+00	8.25E-02	0.00E+00
TE-132	2.40E+06	1.55E+06	1.46E+06	1.72E+06	1.50E+07	0.00E+00	7.35E+07	0.00E+00
I-133	3.87E+06	6.73E+06	2.05E+06	9.89E+08	1.17E+07	0.00E+00	6.05E+06	0.00E+00
CS-134m	1.74E-01	3.65E-01	1.87E-01	0.00E+00	1.98E-01	3.12E-02	1.29E-01	0.00E+00
CS-134	5.65E+09	1.35E+10	1.10E+10	0.00E+00	4.35E+09	1.45E+09	2.35E+08	0.00E+00
I-134	2.02E-12	5.48E-12	1.96E-12	9.49E-11	8.71E-12	0.00E+00	4.77E-15	0.00E+00
I-135	1.28E+04	3.36E+04	1.24E+04	2.22E+06	5.39E+04	0.00E+00	3.80E+04	0.00E+00
CS-135	1.81E+09	1.67E+09	7.41E+08	0.00E+00	6.32E+08	1.89E+08	3.90E+07	0.00E+00
CS-136	2.63E+08	1.04E+09	7.48E+08	0.00E+00	5.78E+08	7.93E+07	1.18E+08	0.00E+00
CS-137	7.38E+09	1.01E+10	6.61E+09	0.00E+00	3.43E+09	1.14E+09	1.95E+08	0.00E+00
CS-138	9.04E-24	1.79E-23	8.85E-24	0.00E+00	1.31E-23	1.30E-24	7.62E-29	0.00E+00
CS-139	6.78E-90	1.01E-89	3.68E-90	0.00E+00	8.09E-90	7.36E-91	2.19E-112	0.00E+00
BA-139	4.42E-08	3.15E-11	1.29E-09	0.00E+00	2.94E-11	1.79E-11	7.84E-08	0.00E+00
BA-140	2.69E+07	3.38E+04	1.76E+06	0.00E+00	1.15E+04	1.93E+04	5.53E+07	0.00E+00
LA-140	4.51E+00	2.27E+00	6.01E-01	0.00E+00	0.00E+00	0.00E+00	1.67E+05	0.00E+00
BA-141	4.09E-46	3.09E-49	1.38E-47	0.00E+00	2.88E-49	1.76E-49	1.93E-55	0.00E+00
LA-141	3.04E-05	9.44E-06	1.55E-06	0.00E+00	0.00E+00	0.00E+00	1.13E+00	0.00E+00
CE-141	4.84E+03	3.28E+03	3.72E+02	0.00E+00	1.52E+03	0.00E+00	1.25E+07	0.00E+00
BA-142	2.66E-80	2.73E-83	1.67E-81	0.00E+00	2.31E-83	1.55E-83	3.74E-98	0.00E+00
LA-142	1.86E-11	8.45E-12	2.10E-12	0.00E+00	0.00E+00	0.00E+00	6.17E-08	0.00E+00
CE-143	4.16E+01	3.07E+04	3.40E+00	0.00E+00	1.35E+01	0.00E+00	1.15E+06	0.00E+00
PR-143	1.58E+02	6.33E+01	7.83E+00	0.00E+00	3.66E+01	0.00E+00	6.92E+05	0.00E+00
CE-144	3.58E+05	1.50E+05	1.92E+04	0.00E+00	8.87E+04	0.00E+00	1.21E+08	0.00E+00
PR-144	5.87E-54	2.44E-54	2.98E-55	0.00E+00	1.37E-54	0.00E+00	8.44E-61	0.00E+00
ND-147	9.42E+01	1.09E+02	6.51E+00	0.00E+00	6.36E+01	0.00E+00	5.22E+05	0.00E+00
PM-147	2.87E+03	2.70E+02	1.09E+02	0.00E+00	5.10E+02	0.00E+00	3.40E+05	0.00E+00
PM-148m	8.57E+02	2.22E+02	1.70E+02	0.00E+00	3.35E+02	0.00E+00	1.88E+06	0.00E+00
PM-148	5.93E+01	9.84E+00	4.96E+00	0.00E+00	1.86E+01	0.00E+00	7.74E+05	0.00E+00
PM-149	4.28E+00	6.05E-01	2.47E-01	0.00E+00	1.14E+00	0.00E+00	1.13E+05	0.00E+00
PM-151	6.50E-01	1.09E-01	5.51E-02	0.00E+00	1.95E-01	0.00E+00	3.00E+04	0.00E+00
SM-151	2.67E+03	4.60E+02	1.10E+02	0.00E+00	5.14E+02	0.00E+00	2.03E+05	0.00E+00

Table 4-40 (Page 4 of 4)

Adult Milk R_i $m^2 \cdot mrem \cdot sec/yr \cdot \mu Ci$

<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	1.98E+00	1.65E+00	1.21E-01	0.00E+00	5.34E-01	0.00E+00	5.89E+04	0.00E+00
EU-152	7.51E+03	1.71E+03	1.50E+03	0.00E+00	1.06E+04	0.00E+00	9.86E+05	0.00E+00
EU-154	2.37E+04	2.91E+03	2.07E+03	0.00E+00	1.39E+04	0.00E+00	2.11E+06	0.00E+00
EU-155	3.30E+03	4.67E+02	3.02E+02	0.00E+00	2.16E+03	0.00E+00	3.68E+05	0.00E+00
EU-156	2.51E+02	1.95E+02	3.14E+01	0.00E+00	1.30E+02	0.00E+00	1.33E+06	0.00E+00
TB-160	1.49E+03	0.00E+00	1.86E+02	0.00E+00	6.16E+02	0.00E+00	8.13E+05	0.00E+00
HO-166m	1.04E+04	3.26E+03	2.47E+03	0.00E+00	4.87E+03	0.00E+00	3.86E-14	0.00E+00
W-181	3.39E+04	1.11E+04	1.18E+03	0.00E+00	0.00E+00	0.00E+00	1.26E+06	0.00E+00
W-185	1.29E+06	4.32E+05	4.54E+04	0.00E+00	0.00E+00	0.00E+00	4.99E+07	0.00E+00
W-187	6.51E+03	5.45E+03	1.90E+03	0.00E+00	0.00E+00	0.00E+00	1.78E+06	0.00E+00
NP-239	3.67E+00	3.61E-01	1.99E-01	0.00E+00	1.13E+00	0.00E+00	7.41E+04	0.00E+00
U-232	1.60E+10	0.00E+00	1.14E+09	0.00E+00	1.73E+09	0.00E+00	2.62E+08	0.00E+00
U-233	3.37E+09	0.00E+00	2.04E+08	0.00E+00	7.84E+08	0.00E+00	2.42E+08	0.00E+00
U-234	3.23E+09	0.00E+00	2.00E+08	0.00E+00	7.69E+08	0.00E+00	2.37E+08	0.00E+00
U-235	3.10E+09	0.00E+00	1.88E+08	0.00E+00	7.23E+08	0.00E+00	3.02E+08	0.00E+00
U-236	3.10E+09	0.00E+00	1.92E+08	0.00E+00	7.38E+08	0.00E+00	2.23E+08	0.00E+00
U-237	5.65E+04	0.00E+00	1.50E+04	0.00E+00	2.32E+05	0.00E+00	1.99E+07	0.00E+00
U-238	2.96E+09	0.00E+00	1.75E+08	0.00E+00	6.76E+08	0.00E+00	2.13E+08	0.00E+00
NP-237	4.87E+07	3.46E+06	2.14E+06	0.00E+00	1.59E+07	0.00E+00	3.07E+06	0.00E+00
NP-238	3.61E+01	9.72E-01	5.61E-01	0.00E+00	3.29E+00	0.00E+00	9.04E+04	0.00E+00
PU-238	9.73E+06	1.23E+06	2.64E+05	0.00E+00	1.13E+06	0.00E+00	1.13E+06	0.00E+00
PU-239	1.12E+07	1.35E+06	2.95E+05	0.00E+00	1.25E+06	0.00E+00	1.03E+06	0.00E+00
PU-240	1.12E+07	1.34E+06	2.95E+05	0.00E+00	1.25E+06	0.00E+00	1.05E+06	0.00E+00
PU-241	2.42E+05	1.15E+04	5.12E+03	0.00E+00	2.36E+04	0.00E+00	2.16E+04	0.00E+00
PU-242	1.04E+07	1.30E+06	2.84E+05	0.00E+00	1.21E+06	0.00E+00	1.01E+06	0.00E+00
PU-244	1.21E+07	1.49E+06	3.26E+05	0.00E+00	1.38E+06	0.00E+00	1.50E+06	0.00E+00
AM-241	2.92E+07	2.72E+07	2.09E+06	0.00E+00	1.57E+07	0.00E+00	2.87E+06	0.00E+00
AM-242m	2.94E+07	2.56E+07	2.10E+06	0.00E+00	1.56E+07	0.00E+00	3.61E+06	0.00E+00
AM-243	2.91E+07	2.67E+07	2.05E+06	0.00E+00	1.54E+07	0.00E+00	3.36E+06	0.00E+00
CM-242	7.27E+05	7.73E+05	4.83E+04	0.00E+00	2.19E+05	0.00E+00	2.79E+06	0.00E+00
CM-243	2.31E+07	2.12E+07	1.45E+06	0.00E+00	6.75E+06	0.00E+00	3.01E+06	0.00E+00
CM-244	1.76E+07	1.65E+07	1.11E+06	0.00E+00	5.17E+06	0.00E+00	2.91E+06	0.00E+00
CM-245	3.62E+07	3.16E+07	2.23E+06	0.00E+00	1.04E+07	0.00E+00	2.72E+06	0.00E+00
CM-246	3.59E+07	3.15E+07	2.22E+06	0.00E+00	1.04E+07	0.00E+00	2.67E+06	0.00E+00
CM-247	3.50E+07	3.11E+07	2.19E+06	0.00E+00	1.02E+07	0.00E+00	3.51E+06	0.00E+00
CM-248	2.91E+08	2.56E+08	1.80E+07	0.00E+00	8.42E+07	0.00E+00	5.68E+07	0.00E+00
CF-252	9.93E+06	0.00E+00	2.39E+05	0.00E+00	0.00E+00	0.00E+00	1.10E+07	0.00E+00

Table 4-41 (Page 1 of 4)

Infant Meat R_im²*mrem*sec/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>
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 4-41 (Page 2 of 4)

Infant Meat R_im²*mrem*sec/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	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 4-41 (Page 3 of 4)

Infant Meat R_im²*mrem*sec/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	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 4-41 (Page 4 of 4)

Infant Meat R_im²*mrem*sec/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	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 4-42 (Page 1 of 4)

Child Meat R_im²*mrem*sec/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>
H-3	0.00E+00	1.34E+02	1.34E+02	1.34E+02	1.34E+02	1.34E+02	1.34E+02	0.00E+00
C-14	5.29E+05	1.06E+05	1.06E+05	1.06E+05	1.06E+05	1.06E+05	1.06E+05	0.00E+00
NA-22	1.75E+09	1.75E+09	1.75E+09	1.75E+09	1.75E+09	1.75E+09	1.75E+09	0.00E+00
NA-24	1.72E-03	1.72E-03	1.72E-03	1.72E-03	1.72E-03	1.72E-03	1.72E-03	0.00E+00
P-32	7.42E+09	3.47E+08	2.86E+08	0.00E+00	0.00E+00	0.00E+00	2.05E+08	0.00E+00
CA-41	1.42E+09	0.00E+00	1.55E+08	0.00E+00	0.00E+00	0.00E+00	7.77E+05	0.00E+00
SC-46	2.34E+05	3.21E+05	1.24E+05	0.00E+00	2.84E+05	0.00E+00	4.69E+08	0.00E+00
CR-51	0.00E+00	0.00E+00	8.79E+03	4.88E+03	1.33E+03	8.91E+03	4.66E+05	0.00E+00
MN-54	0.00E+00	8.01E+06	2.13E+06	0.00E+00	2.25E+06	0.00E+00	6.72E+06	0.00E+00
FE-55	4.57E+08	2.42E+08	7.51E+07	0.00E+00	0.00E+00	1.37E+08	4.49E+07	0.00E+00
MN-56	0.00E+00	1.64E-53	3.70E-54	0.00E+00	1.98E-53	0.00E+00	2.38E-51	0.00E+00
CO-57	0.00E+00	5.92E+06	1.20E+07	0.00E+00	0.00E+00	0.00E+00	4.85E+07	0.00E+00
CO-58	0.00E+00	1.64E+07	5.02E+07	0.00E+00	0.00E+00	0.00E+00	9.58E+07	0.00E+00
FE-59	3.76E+08	6.09E+08	3.03E+08	0.00E+00	0.00E+00	1.77E+08	6.34E+08	0.00E+00
CO-60	0.00E+00	6.93E+07	2.04E+08	0.00E+00	0.00E+00	0.00E+00	3.84E+08	0.00E+00
NI-59	2.18E+08	5.80E+07	3.69E+07	0.00E+00	0.00E+00	0.00E+00	3.85E+06	0.00E+00
NI-63	2.91E+09	1.56E+08	9.91E+07	0.00E+00	0.00E+00	0.00E+00	1.05E+07	0.00E+00
CU-64	0.00E+00	2.97E-07	1.80E-07	0.00E+00	7.19E-07	0.00E+00	1.40E-05	0.00E+00
NI-65	3.52E-53	3.31E-54	1.93E-54	0.00E+00	0.00E+00	0.00E+00	4.06E-52	0.00E+00
ZN-65	3.75E+08	1.00E+09	6.22E+08	0.00E+00	6.30E+08	0.00E+00	1.76E+08	0.00E+00
ZN-69m	2.61E-05	4.45E-05	5.25E-06	0.00E+00	2.58E-05	0.00E+00	1.45E-03	0.00E+00
ZN-69	2.87E-153	4.15E-153	3.83E-154	0.00E+00	2.52E-153	0.00E+00	2.61E-151	0.00E+00
SE-79	0.00E+00	1.29E+08	2.87E+07	0.00E+00	2.10E+08	0.00E+00	8.48E+06	0.00E+00
BR-82	0.00E+00	0.00E+00	1.52E+03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
BR-83	0.00E+00	0.00E+00	9.52E-57	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
BR-84	0.00E+00	0.00E+00	9.37E-270	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	5.77E+08	3.55E+08	0.00E+00	0.00E+00	0.00E+00	3.71E+07	0.00E+00
RB-87	0.00E+00	1.25E+09	5.80E+08	0.00E+00	0.00E+00	0.00E+00	1.88E+07	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	4.82E+08	0.00E+00	1.38E+07	0.00E+00	0.00E+00	0.00E+00	1.87E+07	0.00E+00
SR-90	1.57E+10	0.00E+00	3.15E+08	0.00E+00	0.00E+00	0.00E+00	1.40E+08	0.00E+00
Y-90	1.71E+02	0.00E+00	4.59E+00	0.00E+00	0.00E+00	0.00E+00	4.88E+05	0.00E+00
SR-91	2.40E-10	0.00E+00	9.05E-12	0.00E+00	0.00E+00	0.00E+00	5.29E-10	0.00E+00
Y-91m	1.09E-174	0.00E+00	3.98E-176	0.00E+00	0.00E+00	0.00E+00	2.14E-171	0.00E+00
Y-91	1.80E+06	0.00E+00	4.82E+04	0.00E+00	0.00E+00	0.00E+00	2.40E+08	0.00E+00

Table 4-42 (Page 2 of 4)

Child Meat R_im²*mrem*sec/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	1.84E-49	0.00E+00	7.39E-51	0.00E+00	0.00E+00	0.00E+00	3.49E-48	0.00E+00
Y-92	2.41E-39	0.00E+00	6.89E-41	0.00E+00	0.00E+00	0.00E+00	6.96E-35	0.00E+00
Y-93	7.44E-12	0.00E+00	2.04E-13	0.00E+00	0.00E+00	0.00E+00	1.11E-07	0.00E+00
NB-93m	2.99E+07	7.46E+06	2.45E+06	0.00E+00	8.06E+06	0.00E+00	1.12E+09	0.00E+00
NB-95	3.10E+06	1.21E+06	8.62E+05	0.00E+00	1.13E+06	0.00E+00	2.23E+09	0.00E+00
NB-97	9.14E-119	1.65E-119	7.71E-120	0.00E+00	1.83E-119	0.00E+00	5.10E-114	0.00E+00
ZR-93	5.80E+06	2.17E+06	1.55E+06	0.00E+00	8.41E+06	0.00E+00	8.24E+08	0.00E+00
ZR-95	2.66E+06	5.85E+05	5.21E+05	0.00E+00	8.38E+05	0.00E+00	6.11E+08	0.00E+00
ZR-97	3.21E-05	4.63E-06	2.73E-06	0.00E+00	6.65E-06	0.00E+00	7.02E-01	0.00E+00
MO-93	0.00E+00	1.97E+08	7.07E+06	0.00E+00	5.19E+07	0.00E+00	9.98E+06	0.00E+00
MO-99	0.00E+00	1.15E+05	2.84E+04	0.00E+00	2.46E+05	0.00E+00	9.51E+04	0.00E+00
TC-99	2.19E+08	2.44E+08	8.75E+07	0.00E+00	2.87E+09	2.15E+07	2.56E+09	0.00E+00
TC-99m	6.20E-21	1.22E-20	2.01E-19	0.00E+00	1.77E-19	6.17E-21	6.91E-18	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	1.55E+08	0.00E+00	5.96E+07	0.00E+00	3.90E+08	0.00E+00	4.01E+09	0.00E+00
RU-105	9.02E-28	0.00E+00	3.27E-28	0.00E+00	7.93E-27	0.00E+00	5.88E-25	0.00E+00
RU-106	4.44E+09	0.00E+00	5.54E+08	0.00E+00	5.99E+09	0.00E+00	6.90E+10	0.00E+00
RH-105	6.08E+00	3.27E+00	2.79E+00	0.00E+00	1.30E+01	0.00E+00	2.02E+02	0.00E+00
PD-107	0.00E+00	1.93E+06	1.64E+05	0.00E+00	1.62E+07	0.00E+00	3.83E+06	0.00E+00
PD-109	0.00E+00	1.58E-06	4.72E-07	0.00E+00	8.45E-06	0.00E+00	9.31E-05	0.00E+00
AG-110m	8.39E+06	5.67E+06	4.53E+06	0.00E+00	1.06E+07	0.00E+00	6.74E+08	0.00E+00
AG-111	2.33E+05	7.29E+04	4.81E+04	0.00E+00	2.20E+05	0.00E+00	4.46E+07	0.00E+00
CD-113m	0.00E+00	5.50E+06	2.34E+05	0.00E+00	5.66E+06	0.00E+00	1.42E+07	0.00E+00
CD-115m	0.00E+00	1.78E+06	7.58E+04	0.00E+00	1.32E+06	0.00E+00	2.42E+07	0.00E+00
SN-123	8.81E+09	1.09E+08	2.15E+08	1.16E+08	0.00E+00	0.00E+00	4.32E+09	0.00E+00
SN-125	2.81E+08	4.23E+06	1.26E+07	4.39E+06	0.00E+00	0.00E+00	8.69E+08	0.00E+00
SN-126	2.72E+10	3.39E+08	7.74E+08	9.32E+07	0.00E+00	0.00E+00	2.04E+09	0.00E+00
SB-124	2.92E+07	3.79E+05	1.02E+07	6.45E+04	0.00E+00	1.62E+07	1.83E+08	0.00E+00
SB-125	2.85E+07	2.20E+05	5.97E+06	2.64E+04	0.00E+00	1.59E+07	6.80E+07	0.00E+00
SB-126	2.76E+06	4.22E+04	9.91E+05	1.62E+04	0.00E+00	1.32E+06	5.56E+07	0.00E+00
SB-127	2.54E+04	3.93E+02	8.82E+03	2.83E+02	0.00E+00	1.10E+04	1.43E+06	0.00E+00
TE-125m	5.69E+08	1.54E+08	7.59E+07	1.60E+08	0.00E+00	0.00E+00	5.49E+08	0.00E+00
TE-127m	1.77E+09	4.78E+08	2.11E+08	4.24E+08	5.06E+09	0.00E+00	1.44E+09	0.00E+00
TE-127	3.39E-10	9.13E-11	7.26E-11	2.34E-10	9.63E-10	0.00E+00	1.32E-08	0.00E+00
TE-129m	1.79E+09	5.00E+08	2.78E+08	5.77E+08	5.26E+09	0.00E+00	2.18E+09	0.00E+00
TE-129	7.10E-121	1.98E-121	1.69E-121	5.07E-121	2.08E-120	0.00E+00	4.42E-119	0.00E+00
TE-133m	8.56E-153	3.46E-153	4.29E-153	6.64E-153	3.29E-152	0.00E+00	2.64E-151	0.00E+00

Table 4-42 (Page 3 of 4)

Child Meat R_im²*mrem*sec/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	4.72E-204	2.12E-204	2.83E-204	3.73E-204	1.97E-203	0.00E+00	2.16E-203	0.00E+00
I-129	2.06E+08	1.26E+08	1.13E+08	8.27E+10	2.13E+08	0.00E+00	6.36E+06	0.00E+00
I-130	3.04E-06	6.13E-06	3.16E-06	6.76E-04	9.17E-06	0.00E+00	2.87E-06	0.00E+00
I-131	1.65E+07	1.66E+07	9.46E+06	5.50E+09	2.73E+07	0.00E+00	1.48E+06	0.00E+00
TE-131m	7.00E+02	2.42E+02	2.58E+02	4.98E+02	2.34E+03	0.00E+00	9.82E+03	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	1.02E-58	1.88E-58	8.65E-59	8.72E-57	2.88E-58	0.00E+00	2.21E-58	0.00E+00
TE-132	2.12E+06	9.38E+05	1.13E+06	1.37E+06	8.71E+06	0.00E+00	9.45E+06	0.00E+00
I-133	5.67E-01	7.02E-01	2.66E-01	1.30E+02	1.17E+00	0.00E+00	2.83E-01	0.00E+00
CS-134m	3.86E-47	5.72E-47	3.73E-47	0.00E+00	3.02E-47	4.99E-48	7.23E-47	0.00E+00
CS-134	9.22E+08	1.51E+09	3.19E+08	0.00E+00	4.69E+08	1.68E+08	8.16E+06	0.00E+00
I-134	1.57E-161	2.91E-161	1.34E-161	6.70E-160	4.45E-161	0.00E+00	1.93E-161	0.00E+00
I-135	6.52E-17	1.17E-16	5.55E-17	1.04E-14	1.80E-16	0.00E+00	8.94E-17	0.00E+00
CS-135	3.39E+08	2.36E+08	2.42E+07	0.00E+00	8.34E+07	2.78E+07	1.77E+06	0.00E+00
CS-136	1.62E+07	4.46E+07	2.88E+07	0.00E+00	2.37E+07	3.54E+06	1.57E+06	0.00E+00
CS-137	1.33E+09	1.28E+09	1.88E+08	0.00E+00	4.16E+08	1.50E+08	7.99E+06	0.00E+00
CS-138	4.13E-267	5.75E-267	3.64E-267	0.00E+00	4.04E-267	4.35E-268	2.65E-267	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	1.98E-101	1.06E-104	5.73E-103	0.00E+00	9.22E-105	6.21E-105	1.14E-99	0.00E+00
BA-140	4.38E+07	3.84E+04	2.56E+06	0.00E+00	1.25E+04	2.29E+04	2.22E+07	0.00E+00
LA-140	5.59E-02	1.95E-02	6.58E-03	0.00E+00	0.00E+00	0.00E+00	5.44E+02	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	6.19E-37	1.44E-37	3.13E-38	0.00E+00	0.00E+00	0.00E+00	3.21E-32	0.00E+00
CE-141	2.22E+04	1.11E+04	1.64E+03	0.00E+00	4.86E+03	0.00E+00	1.38E+07	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	5.26E-92	1.68E-92	5.25E-93	0.00E+00	0.00E+00	0.00E+00	3.32E-87	0.00E+00
CE-143	3.17E-02	1.72E+01	2.49E-03	0.00E+00	7.21E-03	0.00E+00	2.52E+02	0.00E+00
PR-143	3.34E+04	1.00E+04	1.66E+03	0.00E+00	5.43E+03	0.00E+00	3.60E+07	0.00E+00
CE-144	2.32E+06	7.26E+05	1.24E+05	0.00E+00	4.02E+05	0.00E+00	1.89E+08	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	1.17E+04	9.47E+03	7.33E+02	0.00E+00	5.19E+03	0.00E+00	1.50E+07	0.00E+00
PM-147	1.52E+06	1.08E+05	5.81E+04	0.00E+00	1.91E+05	0.00E+00	4.38E+07	0.00E+00
PM-148m	2.70E+05	5.37E+04	5.37E+04	0.00E+00	7.96E+04	0.00E+00	1.51E+08	0.00E+00
PM-148	3.10E+03	3.72E+02	2.41E+02	0.00E+00	6.33E+02	0.00E+00	9.95E+06	0.00E+00
PM-149	8.18E+00	8.69E-01	4.71E-01	0.00E+00	1.54E+00	0.00E+00	5.93E+04	0.00E+00
PM-151	9.00E-03	1.09E-03	7.12E-04	0.00E+00	1.86E-03	0.00E+00	1.24E+02	0.00E+00
SM-151	1.31E+06	1.95E+05	6.13E+04	0.00E+00	2.01E+05	0.00E+00	2.82E+07	0.00E+00

Table 4-42 (Page 4 of 4)

Child Meat R_im²*mrem*sec/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	1.82E+00	1.13E+00	1.09E-01	0.00E+00	3.44E-01	0.00E+00	1.50E+04	0.00E+00
EU-152	3.00E+06	5.46E+05	6.49E+05	0.00E+00	2.31E+06	0.00E+00	8.98E+07	0.00E+00
EU-154	1.12E+07	1.01E+06	9.19E+05	0.00E+00	4.42E+06	0.00E+00	2.34E+08	0.00E+00
EU-155	2.33E+06	1.68E+05	1.31E+05	0.00E+00	6.28E+05	0.00E+00	4.20E+08	0.00E+00
EU-156	5.75E+04	3.08E+04	6.38E+03	0.00E+00	1.99E+04	0.00E+00	6.99E+07	0.00E+00
TB-160	5.16E+05	0.00E+00	6.41E+04	0.00E+00	1.54E+05	0.00E+00	1.14E+08	0.00E+00
HO-166m	4.86E+06	1.02E+06	8.59E+05	0.00E+00	1.45E+06	0.00E+00	4.50E-12	0.00E+00
W-181	4.49E+04	1.10E+04	1.52E+03	0.00E+00	0.00E+00	0.00E+00	4.02E+05	0.00E+00
W-185	1.61E+06	4.02E+05	5.63E+04	0.00E+00	0.00E+00	0.00E+00	1.50E+07	0.00E+00
W-187	3.21E-02	1.90E-02	8.53E-03	0.00E+00	0.00E+00	0.00E+00	2.67E+00	0.00E+00
NP-239	4.26E-01	3.06E-02	2.15E-02	0.00E+00	8.85E-02	0.00E+00	2.26E+03	0.00E+00
U-232	6.11E+09	0.00E+00	4.37E+08	0.00E+00	4.65E+08	0.00E+00	2.42E+07	0.00E+00
U-233	1.29E+09	0.00E+00	7.82E+07	0.00E+00	2.12E+08	0.00E+00	2.24E+07	0.00E+00
U-234	1.24E+09	0.00E+00	7.68E+07	0.00E+00	2.08E+08	0.00E+00	2.20E+07	0.00E+00
U-235	1.19E+09	0.00E+00	7.19E+07	0.00E+00	1.95E+08	0.00E+00	2.79E+07	0.00E+00
U-236	1.19E+09	0.00E+00	7.37E+07	0.00E+00	1.99E+08	0.00E+00	2.06E+07	0.00E+00
U-237	3.41E+03	0.00E+00	9.07E+02	0.00E+00	9.85E+03	0.00E+00	3.01E+05	0.00E+00
U-238	1.14E+09	0.00E+00	6.74E+07	0.00E+00	1.82E+08	0.00E+00	1.97E+07	0.00E+00
NP-237	4.56E+08	3.01E+07	2.00E+07	0.00E+00	1.24E+08	0.00E+00	1.67E+07	0.00E+00
NP-238	2.23E+00	4.50E-02	3.47E-02	0.00E+00	1.44E-01	0.00E+00	1.54E+03	0.00E+00
PU-238	1.70E+07	1.97E+06	4.52E+05	0.00E+00	1.64E+06	0.00E+00	1.07E+06	0.00E+00
PU-239	1.85E+07	1.97E+06	4.74E+05	0.00E+00	1.75E+06	0.00E+00	9.80E+05	0.00E+00
PU-240	1.83E+07	2.05E+06	4.74E+05	0.00E+00	1.75E+06	0.00E+00	9.99E+05	0.00E+00
PU-241	5.51E+05	2.25E+04	1.14E+04	0.00E+00	4.21E+04	0.00E+00	2.05E+04	0.00E+00
PU-242	1.70E+07	1.97E+06	4.57E+05	0.00E+00	1.67E+06	0.00E+00	9.60E+05	0.00E+00
PU-244	1.99E+07	2.26E+07	5.22E+05	0.00E+00	1.93E+06	0.00E+00	1.43E+06	0.00E+00
AM-241	2.78E+08	2.39E+08	2.08E+07	0.00E+00	1.27E+08	0.00E+00	1.56E+07	0.00E+00
AM-242m	2.86E+08	2.29E+08	2.13E+07	0.00E+00	1.29E+08	0.00E+00	1.96E+07	0.00E+00
AM-243	2.74E+08	2.31E+08	2.01E+07	0.00E+00	1.24E+08	0.00E+00	1.83E+07	0.00E+00
CM-242	1.52E+07	1.21E+07	1.01E+06	0.00E+00	3.23E+06	0.00E+00	1.41E+07	0.00E+00
CM-243	2.61E+08	2.12E+08	1.68E+07	0.00E+00	6.28E+07	0.00E+00	1.64E+07	0.00E+00
CM-244	2.20E+08	1.78E+08	1.41E+07	0.00E+00	5.17E+07	0.00E+00	1.58E+07	0.00E+00
CM-245	3.41E+08	2.74E+08	2.15E+07	0.00E+00	8.40E+07	0.00E+00	1.48E+07	0.00E+00
CM-246	3.37E+08	2.74E+08	2.15E+07	0.00E+00	8.38E+07	0.00E+00	1.45E+07	0.00E+00
CM-247	3.29E+08	2.70E+08	2.11E+07	0.00E+00	8.26E+07	0.00E+00	1.91E+07	0.00E+00
CM-248	2.74E+09	2.23E+09	1.74E+08	0.00E+00	6.81E+08	0.00E+00	3.09E+08	0.00E+00
CF-252	2.09E+08	0.00E+00	5.05E+06	0.00E+00	0.00E+00	0.00E+00	5.88E+07	0.00E+00

Table 4-43 (Page 1 of 4)

Teen Meat R_im²*mrem*sec/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>
H-3	0.00E+00	1.10E+02	1.10E+02	1.10E+02	1.10E+02	1.10E+02	1.10E+02	0.00E+00
C-14	2.81E+05	5.62E+04	5.62E+04	5.62E+04	5.62E+04	5.62E+04	5.62E+04	0.00E+00
NA-22	1.10E+09	1.10E+09	1.10E+09	1.10E+09	1.10E+09	1.10E+09	1.10E+09	0.00E+00
NA-24	1.08E-03	1.08E-03	1.08E-03	1.08E-03	1.08E-03	1.08E-03	1.08E-03	0.00E+00
P-32	3.93E+09	2.44E+08	1.53E+08	0.00E+00	0.00E+00	0.00E+00	3.31E+08	0.00E+00
CA-41	1.28E+09	0.00E+00	1.38E+08	0.00E+00	0.00E+00	0.00E+00	1.26E+06	0.00E+00
SC-46	1.36E+05	2.65E+05	7.87E+04	0.00E+00	2.54E+05	0.00E+00	9.04E+08	0.00E+00
CR-51	0.00E+00	0.00E+00	5.64E+03	3.13E+03	1.24E+03	8.05E+03	9.47E+05	0.00E+00
MN-54	0.00E+00	7.00E+06	1.39E+06	0.00E+00	2.09E+06	0.00E+00	1.44E+07	0.00E+00
FE-55	2.38E+08	1.69E+08	3.94E+07	0.00E+00	0.00E+00	1.07E+08	7.31E+07	0.00E+00
MN-56	0.00E+00	1.23E-53	2.19E-54	0.00E+00	1.56E-53	0.00E+00	8.10E-52	0.00E+00
CO-57	0.00E+00	4.53E+06	7.59E+06	0.00E+00	0.00E+00	0.00E+00	8.45E+07	0.00E+00
CO-58	0.00E+00	1.41E+07	3.24E+07	0.00E+00	0.00E+00	0.00E+00	1.94E+08	0.00E+00
FE-59	2.12E+08	4.95E+08	1.91E+08	0.00E+00	0.00E+00	1.56E+08	1.17E+09	0.00E+00
CO-60	0.00E+00	5.83E+07	1.31E+08	0.00E+00	0.00E+00	0.00E+00	7.60E+08	0.00E+00
NI-59	1.13E+08	4.00E+07	1.92E+07	0.00E+00	0.00E+00	0.00E+00	6.28E+06	0.00E+00
NI-63	1.52E+09	1.07E+08	5.15E+07	0.00E+00	0.00E+00	0.00E+00	1.71E+07	0.00E+00
CU-64	0.00E+00	2.21E-07	1.04E-07	0.00E+00	5.60E-07	0.00E+00	1.72E-05	0.00E+00
NI-65	1.88E-53	2.41E-54	1.10E-54	0.00E+00	0.00E+00	0.00E+00	1.30E-52	0.00E+00
ZN-65	2.50E+08	8.69E+08	4.05E+08	0.00E+00	5.56E+08	0.00E+00	3.68E+08	0.00E+00
ZN-69m	1.40E-05	3.30E-05	3.02E-06	0.00E+00	2.00E-05	0.00E+00	1.81E-03	0.00E+00
ZN-69	1.53E-153	2.91E-153	2.04E-154	0.00E+00	1.90E-153	0.00E+00	5.36E-153	0.00E+00
SE-79	0.00E+00	9.07E+07	1.52E+07	0.00E+00	1.58E+08	0.00E+00	1.39E+07	0.00E+00
BR-82	0.00E+00	0.00E+00	9.72E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
BR-83	0.00E+00	0.00E+00	5.07E-57	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
BR-84	0.00E+00	0.00E+00	5.42E-270	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	4.07E+08	1.91E+08	0.00E+00	0.00E+00	0.00E+00	6.02E+07	0.00E+00
RB-87	0.00E+00	8.79E+08	3.07E+08	0.00E+00	0.00E+00	0.00E+00	3.07E+07	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	2.55E+08	0.00E+00	7.29E+06	0.00E+00	0.00E+00	0.00E+00	3.03E+07	0.00E+00
SR-90	9.89E+09	0.00E+00	1.98E+08	0.00E+00	0.00E+00	0.00E+00	2.26E+08	0.00E+00
Y-90	9.06E+01	0.00E+00	2.44E+00	0.00E+00	0.00E+00	0.00E+00	7.47E+05	0.00E+00
SR-91	1.28E-10	0.00E+00	5.08E-12	0.00E+00	0.00E+00	0.00E+00	5.79E-10	0.00E+00
Y-91m	5.85E-175	0.00E+00	2.24E-176	0.00E+00	0.00E+00	0.00E+00	2.76E-173	0.00E+00
Y-91	9.54E+05	0.00E+00	2.56E+04	0.00E+00	0.00E+00	0.00E+00	3.91E+08	0.00E+00

II.4-175

Table 4-43 (Page 2 of 4)

Teen Meat R_im²*mrem*sec/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	9.88E-50	0.00E+00	4.21E-51	0.00E+00	0.00E+00	0.00E+00	2.52E-48	0.00E+00
Y-92	1.28E-39	0.00E+00	3.71E-41	0.00E+00	0.00E+00	0.00E+00	3.52E-35	0.00E+00
Y-93	3.96E-12	0.00E+00	1.09E-13	0.00E+00	0.00E+00	0.00E+00	1.21E-07	0.00E+00
NB-93m	1.55E+07	5.10E+06	1.28E+06	0.00E+00	5.96E+06	0.00E+00	1.84E+09	0.00E+00
NB-95	1.79E+06	9.95E+05	5.48E+05	0.00E+00	9.65E+05	0.00E+00	4.26E+09	0.00E+00
NB-97	4.92E-119	1.22E-119	4.46E-120	0.00E+00	1.43E-119	0.00E+00	2.92E-115	0.00E+00
ZR-93	3.05E+06	1.50E+06	8.21E+05	0.00E+00	5.32E+06	0.00E+00	1.42E+09	0.00E+00
ZR-95	1.50E+06	4.73E+05	3.25E+05	0.00E+00	6.95E+05	0.00E+00	1.09E+09	0.00E+00
ZR-97	1.72E-05	3.41E-06	1.57E-06	0.00E+00	5.17E-06	0.00E+00	9.23E-01	0.00E+00
MO-93	0.00E+00	1.37E+08	3.76E+06	0.00E+00	3.94E+07	0.00E+00	1.67E+07	0.00E+00
MO-99	0.00E+00	8.27E+04	1.58E+04	0.00E+00	1.89E+05	0.00E+00	1.48E+05	0.00E+00
TC-99	1.16E+08	1.70E+08	4.65E+07	0.00E+00	2.17E+09	1.76E+07	4.17E+09	0.00E+00
TC-99m	3.53E-21	9.86E-21	1.28E-19	0.00E+00	1.47E-19	5.47E-21	6.47E-18	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	8.57E+07	0.00E+00	3.66E+07	0.00E+00	3.02E+08	0.00E+00	7.16E+09	0.00E+00
RU-105	4.83E-28	0.00E+00	1.87E-28	0.00E+00	6.09E-27	0.00E+00	3.90E-25	0.00E+00
RU-106	2.36E+09	0.00E+00	2.97E+08	0.00E+00	4.55E+09	0.00E+00	1.13E+11	0.00E+00
RH-105	3.25E+00	2.35E+00	1.54E+00	0.00E+00	9.96E+00	0.00E+00	2.98E+02	0.00E+00
PD-107	0.00E+00	1.35E+06	8.69E+04	0.00E+00	1.22E+07	0.00E+00	6.26E+06	0.00E+00
PD-109	0.00E+00	1.11E-06	2.51E-07	0.00E+00	6.39E-06	0.00E+00	1.11E-04	0.00E+00
AG-110m	5.06E+06	4.79E+06	2.91E+06	0.00E+00	9.13E+06	0.00E+00	1.34E+09	0.00E+00
AG-111	1.24E+05	5.13E+04	2.58E+04	0.00E+00	1.67E+05	0.00E+00	7.15E+07	0.00E+00
CD-113m	0.00E+00	3.85E+06	1.24E+05	0.00E+00	4.26E+06	0.00E+00	2.31E+07	0.00E+00
CD-115m	0.00E+00	1.25E+06	4.02E+04	0.00E+00	9.96E+05	0.00E+00	3.94E+07	0.00E+00
SN-123	4.66E+09	7.66E+07	1.13E+08	6.14E+07	0.00E+00	0.00E+00	7.05E+09	0.00E+00
SN-125	1.49E+08	2.97E+06	6.73E+06	2.33E+06	0.00E+00	0.00E+00	1.40E+09	0.00E+00
SN-126	1.50E+10	2.80E+08	4.28E+08	7.38E+07	0.00E+00	0.00E+00	3.34E+09	0.00E+00
SB-124	1.62E+07	2.98E+05	6.31E+06	3.67E+04	0.00E+00	1.41E+07	3.26E+08	0.00E+00
SB-125	1.56E+07	1.71E+05	3.66E+06	1.49E+04	0.00E+00	1.37E+07	1.22E+08	0.00E+00
SB-126	1.58E+06	3.23E+04	5.68E+05	8.94E+03	0.00E+00	1.13E+06	9.35E+07	0.00E+00
SB-127	1.38E+04	2.95E+02	5.21E+03	1.55E+02	0.00E+00	9.39E+03	2.34E+06	0.00E+00
TE-125m	3.03E+08	1.09E+08	4.05E+07	8.47E+07	0.00E+00	0.00E+00	8.94E+08	0.00E+00
TE-127m	9.41E+08	3.34E+08	1.12E+08	2.24E+08	3.82E+09	0.00E+00	2.35E+09	0.00E+00
TE-127	1.80E-10	6.38E-11	3.88E-11	1.24E-10	7.29E-10	0.00E+00	1.39E-08	0.00E+00
TE-129m	9.50E+08	3.53E+08	1.50E+08	3.07E+08	3.97E+09	0.00E+00	3.57E+09	0.00E+00
TE-129	3.76E-121	1.40E-121	9.16E-122	2.69E-121	1.58E-120	0.00E+00	2.06E-120	0.00E+00
TE-133m	4.67E-153	2.66E-153	2.58E-153	3.71E-153	2.63E-152	0.00E+00	1.07E-152	0.00E+00

Table 4-43 (Page 3 of 4)

Teen Meat R_im²*mrem*sec/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	2.59E-204	1.67E-204	1.74E-204	2.13E-204	1.59E-203	0.00E+00	9.63E-206	0.00E+00
I-129	1.10E+08	9.21E+07	1.54E+08	1.12E+11	1.65E+08	0.00E+00	1.07E+07	0.00E+00
I-130	1.70E-06	4.91E-06	1.96E-06	4.00E-04	7.56E-06	0.00E+00	3.77E-06	0.00E+00
I-131	8.92E+06	1.25E+07	6.71E+06	3.65E+09	2.15E+07	0.00E+00	2.47E+06	0.00E+00
TE-131m	3.76E+02	1.80E+02	1.50E+02	2.71E+02	1.88E+03	0.00E+00	1.45E+04	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	5.66E-59	1.48E-58	5.31E-59	4.99E-57	2.33E-58	0.00E+00	6.45E-59	0.00E+00
TE-132	1.16E+06	7.36E+05	6.92E+05	7.76E+05	7.06E+06	0.00E+00	2.33E+07	0.00E+00
I-133	3.05E-01	5.18E-01	1.58E-01	7.23E+01	9.09E-01	0.00E+00	3.92E-01	0.00E+00
CS-134m	2.13E-47	4.42E-47	2.27E-47	0.00E+00	2.46E-47	4.32E-48	2.94E-47	0.00E+00
CS-134	5.23E+08	1.23E+09	5.71E+08	0.00E+00	3.91E+08	1.49E+08	1.53E+07	0.00E+00
I-134	8.66E-162	2.30E-161	8.24E-162	3.83E-160	3.62E-161	0.00E+00	3.02E-163	0.00E+00
I-135	3.60E-17	9.27E-17	3.44E-17	5.96E-15	1.46E-16	0.00E+00	1.03E-16	0.00E+00
CS-135	1.80E+08	1.65E+08	3.86E+07	0.00E+00	6.31E+07	2.28E+07	2.89E+06	0.00E+00
CS-136	9.40E+06	3.70E+07	2.48E+07	0.00E+00	2.01E+07	3.17E+06	2.98E+06	0.00E+00
CS-137	7.24E+08	9.63E+08	3.36E+08	0.00E+00	3.28E+08	1.27E+08	1.37E+07	0.00E+00
CS-138	2.23E-267	4.28E-267	2.14E-267	0.00E+00	3.16E-267	3.68E-268	1.94E-270	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	1.05E-101	7.41E-105	3.07E-103	0.00E+00	6.98E-105	5.10E-105	9.39E-101	0.00E+00
BA-140	2.38E+07	2.91E+04	1.53E+06	0.00E+00	9.87E+03	1.96E+04	3.66E+07	0.00E+00
LA-140	3.05E-02	1.50E-02	3.99E-03	0.00E+00	0.00E+00	0.00E+00	8.61E+02	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	3.29E-37	1.01E-37	1.67E-38	0.00E+00	0.00E+00	0.00E+00	1.79E-32	0.00E+00
CE-141	1.18E+04	7.87E+03	9.04E+02	0.00E+00	3.71E+03	0.00E+00	2.25E+07	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	2.85E-92	1.26E-92	3.15E-93	0.00E+00	0.00E+00	0.00E+00	3.85E-88	0.00E+00
CE-143	1.69E-02	1.23E+01	1.37E-03	0.00E+00	5.51E-03	0.00E+00	3.69E+02	0.00E+00
PR-143	1.76E+04	7.04E+03	8.78E+02	0.00E+00	4.09E+03	0.00E+00	5.80E+07	0.00E+00
CE-144	1.23E+06	5.08E+05	6.60E+04	0.00E+00	3.04E+05	0.00E+00	3.09E+08	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	6.23E+03	6.77E+03	4.06E+02	0.00E+00	3.98E+03	0.00E+00	2.44E+07	0.00E+00
PM-147	7.93E+05	7.53E+04	3.07E+04	0.00E+00	1.44E+05	0.00E+00	7.16E+07	0.00E+00
PM-148m	1.72E+05	4.36E+04	3.41E+04	0.00E+00	6.60E+04	0.00E+00	2.74E+08	0.00E+00
PM-148	1.66E+03	2.70E+02	1.36E+02	0.00E+00	4.88E+02	0.00E+00	1.61E+07	0.00E+00
PM-149	4.33E+00	6.09E-01	2.50E-01	0.00E+00	1.16E+00	0.00E+00	8.97E+04	0.00E+00
PM-151	4.82E-03	7.96E-04	4.03E-04	0.00E+00	1.43E-03	0.00E+00	1.79E+02	0.00E+00
SM-151	7.07E+05	1.36E+05	3.19E+04	0.00E+00	1.49E+05	0.00E+00	4.61E+07	0.00E+00

Table 4-43 (Page 4 of 4)

Teen Meat R_im²*mrem*sec/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	9.63E-01	7.97E-01	5.87E-02	0.00E+00	2.61E-01	0.00E+00	2.25E+04	0.00E+00
EU-152	1.90E+06	4.56E+05	4.02E+05	0.00E+00	2.12E+06	0.00E+00	1.68E+08	0.00E+00
EU-154	6.10E+06	7.87E+05	5.54E+05	0.00E+00	3.52E+06	0.00E+00	4.16E+08	0.00E+00
EU-155	1.33E+06	1.29E+05	7.97E+04	0.00E+00	5.03E+05	0.00E+00	7.38E+08	0.00E+00
EU-156	3.12E+04	2.34E+04	3.81E+03	0.00E+00	1.57E+04	0.00E+00	1.19E+08	0.00E+00
TB-160	3.19E+05	0.00E+00	3.98E+04	0.00E+00	1.26E+05	0.00E+00	2.07E+08	0.00E+00
HO-166m	2.55E+06	7.84E+05	5.68E+05	0.00E+00	1.15E+06	0.00E+00	7.13E-12	0.00E+00
W-181	2.39E+04	7.71E+03	8.06E+02	0.00E+00	0.00E+00	0.00E+00	6.57E+05	0.00E+00
W-185	8.55E+05	2.82E+05	2.98E+04	0.00E+00	0.00E+00	0.00E+00	2.44E+07	0.00E+00
W-187	1.73E-02	1.41E-02	4.95E-03	0.00E+00	0.00E+00	0.00E+00	3.82E+00	0.00E+00
NP-239	2.26E-01	2.14E-02	1.19E-02	0.00E+00	6.70E-02	0.00E+00	3.44E+03	0.00E+00
U-232	3.24E+09	0.00E+00	2.32E+08	0.00E+00	3.51E+08	0.00E+00	3.96E+07	0.00E+00
U-233	6.83E+08	0.00E+00	4.15E+07	0.00E+00	1.60E+08	0.00E+00	3.66E+07	0.00E+00
U-234	6.56E+08	0.00E+00	4.07E+07	0.00E+00	1.57E+08	0.00E+00	3.59E+07	0.00E+00
U-235	6.28E+08	0.00E+00	3.82E+07	0.00E+00	1.47E+08	0.00E+00	4.56E+07	0.00E+00
U-236	6.28E+08	0.00E+00	3.91E+07	0.00E+00	1.50E+08	0.00E+00	3.37E+07	0.00E+00
U-237	1.81E+03	0.00E+00	4.82E+02	0.00E+00	7.43E+03	0.00E+00	4.79E+05	0.00E+00
U-238	6.01E+08	0.00E+00	3.58E+07	0.00E+00	1.38E+08	0.00E+00	3.21E+07	0.00E+00
NP-237	4.31E+08	3.10E+07	1.90E+07	0.00E+00	1.40E+08	0.00E+00	2.73E+07	0.00E+00
NP-238	1.18E+00	3.16E-02	1.84E-02	0.00E+00	1.08E-01	0.00E+00	2.32E+03	0.00E+00
PU-238	1.52E+07	1.94E+06	4.13E+05	0.00E+00	1.77E+06	0.00E+00	1.75E+06	0.00E+00
PU-239	1.74E+07	2.11E+06	4.56E+05	0.00E+00	1.94E+06	0.00E+00	1.60E+06	0.00E+00
PU-240	1.73E+07	2.10E+06	4.56E+05	0.00E+00	1.94E+06	0.00E+00	1.63E+06	0.00E+00
PU-241	3.95E+05	1.90E+04	8.33E+03	0.00E+00	3.86E+04	0.00E+00	3.34E+04	0.00E+00
PU-242	1.61E+07	2.03E+06	4.40E+05	0.00E+00	1.87E+06	0.00E+00	1.57E+06	0.00E+00
PU-244	1.88E+07	2.31E+06	5.04E+05	0.00E+00	2.14E+06	0.00E+00	2.34E+06	0.00E+00
AM-241	2.59E+08	2.44E+08	1.86E+07	0.00E+00	1.40E+08	0.00E+00	2.55E+07	0.00E+00
AM-242m	2.61E+08	2.30E+08	1.88E+07	0.00E+00	1.39E+08	0.00E+00	3.21E+07	0.00E+00
AM-243	2.58E+08	2.38E+08	1.82E+07	0.00E+00	1.37E+08	0.00E+00	2.99E+07	0.00E+00
CM-242	8.06E+06	8.50E+06	5.35E+05	0.00E+00	2.44E+06	0.00E+00	2.30E+07	0.00E+00
CM-243	2.10E+08	1.95E+08	1.32E+07	0.00E+00	6.17E+07	0.00E+00	2.68E+07	0.00E+00
CM-244	1.63E+08	1.54E+08	1.03E+07	0.00E+00	4.81E+07	0.00E+00	2.58E+07	0.00E+00
CM-245	3.21E+08	2.82E+08	1.98E+07	0.00E+00	9.24E+07	0.00E+00	2.42E+07	0.00E+00
CM-246	3.18E+08	2.82E+08	1.97E+07	0.00E+00	9.20E+07	0.00E+00	2.38E+07	0.00E+00
CM-247	3.10E+08	2.78E+08	1.94E+07	0.00E+00	9.08E+07	0.00E+00	3.12E+07	0.00E+00
CM-248	2.58E+09	2.29E+09	1.60E+08	0.00E+00	7.49E+08	0.00E+00	5.02E+08	0.00E+00
CF-252	1.09E+08	0.00E+00	2.64E+06	0.00E+00	0.00E+00	0.00E+00	9.60E+07	0.00E+00

Table 4-44 (Page 1 of 4)

Adult Meat R_im²*mrem*sec/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>
H-3	0.00E+00	1.85E+02	1.85E+02	1.85E+02	1.85E+02	1.85E+02	1.85E+02	0.00E+00
C-14	3.33E+05	6.66E+04	6.66E+04	6.66E+04	6.66E+04	6.66E+04	6.66E+04	0.00E+00
NA-22	1.39E+09	1.39E+09	1.39E+09	1.39E+09	1.39E+09	1.39E+09	1.39E+09	0.00E+00
NA-24	1.36E-03	1.36E-03	1.36E-03	1.36E-03	1.36E-03	1.36E-03	1.36E-03	0.00E+00
P-32	4.66E+09	2.90E+08	1.80E+08	0.00E+00	0.00E+00	0.00E+00	5.24E+08	0.00E+00
CA-41	2.03E+09	0.00E+00	2.19E+08	0.00E+00	0.00E+00	0.00E+00	2.02E+06	0.00E+00
SC-46	1.76E+05	3.41E+05	9.91E+04	0.00E+00	3.18E+05	0.00E+00	1.66E+09	0.00E+00
CR-51	0.00E+00	0.00E+00	7.05E+03	4.21E+03	1.55E+03	9.35E+03	1.77E+06	0.00E+00
MN-54	0.00E+00	9.18E+06	1.75E+06	0.00E+00	2.73E+06	0.00E+00	2.81E+07	0.00E+00
FE-55	2.93E+08	2.03E+08	4.72E+07	0.00E+00	0.00E+00	1.13E+08	1.16E+08	0.00E+00
MN-56	0.00E+00	1.52E-53	2.69E-54	0.00E+00	1.92E-53	0.00E+00	4.84E-52	0.00E+00
CO-57	0.00E+00	5.64E+06	9.37E+06	0.00E+00	0.00E+00	0.00E+00	1.43E+08	0.00E+00
CO-58	0.00E+00	1.82E+07	4.09E+07	0.00E+00	0.00E+00	0.00E+00	3.69E+08	0.00E+00
FE-59	2.66E+08	6.24E+08	2.39E+08	0.00E+00	0.00E+00	1.74E+08	2.08E+09	0.00E+00
CO-60	0.00E+00	7.52E+07	1.66E+08	0.00E+00	0.00E+00	0.00E+00	1.41E+09	0.00E+00
NI-59	1.42E+08	4.87E+07	2.37E+07	0.00E+00	0.00E+00	0.00E+00	1.00E+07	0.00E+00
NI-63	1.89E+09	1.31E+08	6.33E+07	0.00E+00	0.00E+00	0.00E+00	2.73E+07	0.00E+00
CU-64	0.00E+00	2.71E-07	1.27E-07	0.00E+00	6.84E-07	0.00E+00	2.31E-05	0.00E+00
NI-65	2.25E-53	2.92E-54	1.33E-54	0.00E+00	0.00E+00	0.00E+00	7.40E-53	0.00E+00
ZN-65	3.56E+08	1.13E+09	5.12E+08	0.00E+00	7.57E+08	0.00E+00	7.13E+08	0.00E+00
ZN-69m	1.68E-05	4.02E-05	3.68E-06	0.00E+00	2.43E-05	0.00E+00	2.45E-03	0.00E+00
ZN-69	1.81E-153	3.46E-153	2.41E-154	0.00E+00	2.25E-153	0.00E+00	5.20E-154	0.00E+00
SE-79	0.00E+00	1.08E+08	1.81E+07	0.00E+00	1.87E+08	0.00E+00	2.21E+07	0.00E+00
BR-82	0.00E+00	0.00E+00	1.22E+03	0.00E+00	0.00E+00	0.00E+00	1.40E+03	0.00E+00
BR-83	0.00E+00	0.00E+00	6.00E-57	0.00E+00	0.00E+00	0.00E+00	8.65E-57	0.00E+00
BR-84	0.00E+00	0.00E+00	6.62E-270	0.00E+00	0.00E+00	0.00E+00	5.19E-275	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	4.87E+08	2.27E+08	0.00E+00	0.00E+00	0.00E+00	9.60E+07	0.00E+00
RB-87	0.00E+00	1.05E+09	3.64E+08	0.00E+00	0.00E+00	0.00E+00	4.90E+07	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	3.02E+08	0.00E+00	8.66E+06	0.00E+00	0.00E+00	0.00E+00	4.84E+07	0.00E+00
SR-90	1.43E+10	0.00E+00	2.87E+08	0.00E+00	0.00E+00	0.00E+00	3.59E+08	0.00E+00
Y-90	1.08E+02	0.00E+00	2.89E+00	0.00E+00	0.00E+00	0.00E+00	1.14E+06	0.00E+00
SR-91	1.52E-10	0.00E+00	6.14E-12	0.00E+00	0.00E+00	0.00E+00	7.23E-10	0.00E+00
Y-91m	6.98E-175	0.00E+00	2.70E-176	0.00E+00	0.00E+00	0.00E+00	2.05E-174	0.00E+00
Y-91	1.13E+06	0.00E+00	3.03E+04	0.00E+00	0.00E+00	0.00E+00	6.23E+08	0.00E+00

Table 4-44 (Page 2 of 4)

Adult Meat R_im²*mrem*sec/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	1.18E-49	0.00E+00	5.10E-51	0.00E+00	0.00E+00	0.00E+00	2.33E-48	0.00E+00
Y-92	1.52E-39	0.00E+00	4.43E-41	0.00E+00	0.00E+00	0.00E+00	2.66E-35	0.00E+00
Y-93	4.69E-12	0.00E+00	1.30E-13	0.00E+00	0.00E+00	0.00E+00	1.49E-07	0.00E+00
NB-93m	1.95E+07	6.36E+06	1.57E+06	0.00E+00	7.31E+06	0.00E+00	2.93E+09	0.00E+00
NB-95	2.30E+06	1.28E+06	6.87E+05	0.00E+00	1.26E+06	0.00E+00	7.76E+09	0.00E+00
NB-97	5.90E-119	1.49E-119	5.45E-120	0.00E+00	1.74E-119	0.00E+00	5.50E-116	0.00E+00
ZR-93	3.90E+06	2.18E+05	1.02E+05	0.00E+00	8.27E+05	0.00E+00	2.27E+08	0.00E+00
ZR-95	1.87E+06	6.01E+05	4.07E+05	0.00E+00	9.42E+05	0.00E+00	1.90E+09	0.00E+00
ZR-97	2.07E-05	4.17E-06	1.91E-06	0.00E+00	6.30E-06	0.00E+00	1.29E+00	0.00E+00
MO-93	0.00E+00	1.65E+08	4.45E+06	0.00E+00	4.67E+07	0.00E+00	2.68E+07	0.00E+00
MO-99	0.00E+00	1.00E+05	1.90E+04	0.00E+00	2.26E+05	0.00E+00	2.32E+05	0.00E+00
TC-99	1.37E+08	2.04E+08	5.51E+07	0.00E+00	2.57E+09	1.73E+07	6.67E+09	0.00E+00
TC-99m	4.45E-21	1.26E-20	1.60E-19	0.00E+00	1.91E-19	6.16E-21	7.44E-18	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	1.05E+08	0.00E+00	4.53E+07	0.00E+00	4.01E+08	0.00E+00	1.23E+10	0.00E+00
RU-105	5.78E-28	0.00E+00	2.28E-28	0.00E+00	7.46E-27	0.00E+00	3.53E-25	0.00E+00
RU-106	2.80E+09	0.00E+00	3.54E+08	0.00E+00	5.40E+09	0.00E+00	1.81E+11	0.00E+00
RH-105	3.84E+00	2.81E+00	1.85E+00	0.00E+00	1.19E+01	0.00E+00	4.48E+02	0.00E+00
PD-107	0.00E+00	1.61E+06	1.03E+05	0.00E+00	1.45E+07	0.00E+00	9.99E+06	0.00E+00
PD-109	0.00E+00	1.32E-06	2.97E-07	0.00E+00	7.53E-06	0.00E+00	1.46E-04	0.00E+00
AG-110m	6.68E+06	6.18E+06	3.67E+06	0.00E+00	1.22E+07	0.00E+00	2.52E+09	0.00E+00
AG-111	1.47E+05	6.13E+04	3.05E+04	0.00E+00	1.98E+05	0.00E+00	1.12E+08	0.00E+00
CD-113m	0.00E+00	4.60E+06	1.47E+05	0.00E+00	5.06E+06	0.00E+00	3.70E+07	0.00E+00
CD-115m	0.00E+00	1.49E+06	4.76E+04	0.00E+00	1.18E+06	0.00E+00	6.27E+07	0.00E+00
SN-123	5.53E+09	9.16E+07	1.35E+08	7.79E+07	0.00E+00	0.00E+00	1.13E+10	0.00E+00
SN-125	1.77E+08	3.56E+06	8.01E+06	2.95E+06	0.00E+00	0.00E+00	2.21E+09	0.00E+00
SN-126	1.85E+10	3.66E+08	5.27E+08	1.08E+08	0.00E+00	0.00E+00	5.33E+09	0.00E+00
SB-124	1.98E+07	3.74E+05	7.84E+06	4.80E+04	0.00E+00	1.54E+07	5.62E+08	0.00E+00
SB-125	1.91E+07	2.13E+05	4.55E+06	1.94E+04	0.00E+00	1.47E+07	2.10E+08	0.00E+00
SB-126	1.93E+06	3.94E+04	6.98E+05	1.18E+04	0.00E+00	1.19E+06	1.58E+08	0.00E+00
SB-127	1.66E+04	3.63E+02	6.37E+03	1.99E+02	0.00E+00	9.84E+03	3.80E+06	0.00E+00
TE-125m	3.59E+08	1.30E+08	4.81E+07	1.08E+08	1.46E+09	0.00E+00	1.43E+09	0.00E+00
TE-127m	1.12E+09	3.99E+08	1.36E+08	2.85E+08	4.53E+09	0.00E+00	3.74E+09	0.00E+00
TE-127	2.12E-10	7.62E-11	4.59E-11	1.57E-10	8.64E-10	0.00E+00	1.67E-08	0.00E+00
TE-129m	1.13E+09	4.23E+08	1.79E+08	3.90E+08	4.73E+09	0.00E+00	5.71E+09	0.00E+00
TE-129	4.47E-121	1.68E-121	1.09E-121	3.43E-121	1.88E-120	0.00E+00	3.37E-121	0.00E+00
TE-133m	5.67E-153	3.32E-153	3.19E-153	4.80E-153	3.28E-152	0.00E+00	1.14E-153	0.00E+00

Table 4-44 (Page 3 of 4)

Adult Meat R_im²*mrem*sec/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	3.18E-204	2.08E-204	1.28E-204	2.78E-204	2.01E-203	0.00E+00	3.53E-207	0.00E+00
I-129	1.30E+08	1.12E+08	3.66E+08	2.88E+11	2.40E+08	0.00E+00	1.77E+07	0.00E+00
I-130	2.11E-06	6.22E-06	2.45E-06	5.27E-04	9.71E-06	0.00E+00	5.35E-06	0.00E+00
I-131	1.07E+07	1.54E+07	8.80E+06	5.03E+09	2.63E+07	0.00E+00	4.05E+06	0.00E+00
TE-131m	4.51E+02	2.21E+02	1.84E+02	3.49E+02	2.23E+03	0.00E+00	2.19E+04	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	6.97E-59	1.86E-58	6.52E-59	6.52E-57	2.97E-58	0.00E+00	3.50E-59	0.00E+00
TE-132	1.42E+06	9.18E+05	8.62E+05	1.01E+06	8.84E+06	0.00E+00	4.34E+07	0.00E+00
I-133	3.65E-01	6.35E-01	1.94E-01	9.34E+01	1.11E+00	0.00E+00	5.71E-01	0.00E+00
CS-134m	2.62E-47	5.50E-47	2.81E-47	0.00E+00	2.98E-47	4.70E-48	1.94E-47	0.00E+00
CS-134	6.58E+08	1.56E+09	1.28E+09	0.00E+00	5.06E+08	1.68E+08	2.74E+07	0.00E+00
I-134	1.06E-161	2.89E-161	1.03E-161	5.01E-160	4.60E-161	0.00E+00	2.52E-164	0.00E+00
I-135	4.43E-17	1.16E-16	4.28E-17	7.64E-15	1.86E-16	0.00E+00	1.31E-16	0.00E+00
CS-135	2.14E+08	1.97E+08	8.76E+07	0.00E+00	7.47E+07	2.24E+07	4.62E+06	0.00E+00
CS-136	1.21E+07	4.76E+07	3.43E+07	0.00E+00	2.65E+07	3.63E+06	5.41E+06	0.00E+00
CS-137	8.72E+08	1.19E+09	7.81E+08	0.00E+00	4.05E+08	1.35E+08	2.31E+07	0.00E+00
CS-138	2.68E-267	5.30E-267	2.63E-267	0.00E+00	3.90E-267	3.85E-268	2.26E-272	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	1.24E-101	8.86E-105	3.64E-103	0.00E+00	8.28E-105	5.02E-105	2.20E-101	0.00E+00
BA-140	2.87E+07	3.61E+04	1.88E+06	0.00E+00	1.23E+04	2.07E+04	5.92E+07	0.00E+00
LA-140	3.71E-02	1.87E-02	4.94E-03	0.00E+00	0.00E+00	0.00E+00	1.37E+03	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	3.90E-37	1.21E-37	1.98E-38	0.00E+00	0.00E+00	0.00E+00	1.44E-32	0.00E+00
CE-141	1.40E+04	9.50E+03	1.08E+03	0.00E+00	4.41E+03	0.00E+00	3.63E+07	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	3.45E-92	1.57E-92	3.90E-93	0.00E+00	0.00E+00	0.00E+00	1.14E-88	0.00E+00
CE-143	2.01E-02	1.48E+01	1.64E-03	0.00E+00	6.53E-03	0.00E+00	5.55E+02	0.00E+00
PR-143	2.10E+04	8.41E+03	1.04E+03	0.00E+00	4.85E+03	0.00E+00	9.18E+07	0.00E+00
CE-144	1.46E+06	6.09E+05	7.83E+04	0.00E+00	3.61E+05	0.00E+00	4.93E+08	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	7.07E+03	8.17E+03	4.89E+02	0.00E+00	4.78E+03	0.00E+00	3.92E+07	0.00E+00
PM-147	9.64E+05	9.07E+04	3.67E+04	0.00E+00	1.71E+05	0.00E+00	1.14E+08	0.00E+00
PM-148m	2.16E+05	5.58E+04	4.27E+04	0.00E+00	8.43E+04	0.00E+00	4.73E+08	0.00E+00
PM-148	1.97E+03	3.28E+02	1.65E+02	0.00E+00	6.19E+02	0.00E+00	2.57E+07	0.00E+00
PM-149	5.14E+00	7.27E-01	2.97E-01	0.00E+00	1.37E+00	0.00E+00	1.36E+05	0.00E+00
PM-151	5.76E-03	9.67E-04	4.89E-04	0.00E+00	1.73E-03	0.00E+00	2.66E+02	0.00E+00
SM-151	9.45E+05	1.63E+05	3.90E+04	0.00E+00	1.82E+05	0.00E+00	7.19E+07	0.00E+00

Table 4-44 (Page 4 of 4)

Adult Meat R_im²*mrem*sec/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	1.15E+00	9.55E-01	6.97E-02	0.00E+00	3.09E-01	0.00E+00	3.41E+04	0.00E+00
EU-152	2.55E+06	5.81E+05	5.11E+05	0.00E+00	3.60E+06	0.00E+00	3.35E+08	0.00E+00
EU-154	8.03E+06	9.87E+05	7.02E+05	0.00E+00	4.72E+06	0.00E+00	7.15E+08	0.00E+00
EU-155	1.11E+06	1.58E+05	1.02E+05	0.00E+00	7.30E+05	0.00E+00	1.24E+08	0.00E+00
EU-156	3.76E+04	2.91E+04	4.70E+03	0.00E+00	1.94E+04	0.00E+00	1.99E+08	0.00E+00
TB-160	3.92E+05	0.00E+00	4.89E+04	0.00E+00	1.62E+05	0.00E+00	2.14E+08	0.00E+00
HO-166m	3.26E+06	1.02E+06	7.72E+05	0.00E+00	1.52E+06	0.00E+00	1.21E-11	0.00E+00
W-181	2.82E+04	9.20E+03	9.86E+02	0.00E+00	0.00E+00	0.00E+00	1.05E+06	0.00E+00
W-185	1.01E+06	3.37E+05	3.55E+04	0.00E+00	0.00E+00	0.00E+00	3.90E+07	0.00E+00
W-187	2.07E-02	1.73E-02	6.04E-03	0.00E+00	0.00E+00	0.00E+00	5.66E+00	0.00E+00
NP-239	2.59E-01	2.55E-02	1.40E-02	0.00E+00	7.95E-02	0.00E+00	5.23E+03	0.00E+00
U-232	3.85E+09	0.00E+00	2.75E+08	0.00E+00	4.16E+08	0.00E+00	6.32E+07	0.00E+00
U-233	8.12E+08	0.00E+00	4.92E+07	0.00E+00	1.89E+08	0.00E+00	5.85E+07	0.00E+00
U-234	7.80E+08	0.00E+00	4.82E+07	0.00E+00	1.86E+08	0.00E+00	5.73E+07	0.00E+00
U-235	7.47E+08	0.00E+00	4.53E+07	0.00E+00	1.74E+08	0.00E+00	7.28E+07	0.00E+00
U-236	7.47E+08	0.00E+00	4.62E+07	0.00E+00	1.78E+08	0.00E+00	5.37E+07	0.00E+00
U-237	2.14E+03	0.00E+00	5.70E+02	0.00E+00	8.81E+03	0.00E+00	7.53E+05	0.00E+00
U-238	7.15E+08	0.00E+00	4.23E+07	0.00E+00	1.63E+08	0.00E+00	5.13E+07	0.00E+00
NP-237	6.91E+08	4.91E+07	3.04E+07	0.00E+00	2.26E+08	0.00E+00	4.36E+07	0.00E+00
NP-238	1.40E+00	3.78E-02	2.18E-02	0.00E+00	1.28E-01	0.00E+00	3.51E+03	0.00E+00
PU-238	2.42E+07	3.06E+06	6.56E+05	0.00E+00	2.81E+06	0.00E+00	2.80E+06	0.00E+00
PU-239	2.78E+07	3.34E+06	7.33E+05	0.00E+00	3.11E+06	0.00E+00	2.56E+06	0.00E+00
PU-240	2.78E+07	3.34E+06	7.33E+05	0.00E+00	3.11E+06	0.00E+00	2.60E+06	0.00E+00
PU-241	6.00E+05	2.85E+04	1.27E+04	0.00E+00	5.84E+04	0.00E+00	5.35E+04	0.00E+00
PU-242	2.58E+07	3.22E+06	7.06E+05	0.00E+00	3.00E+06	0.00E+00	2.51E+06	0.00E+00
PU-244	3.01E+07	3.69E+06	8.10E+05	0.00E+00	3.44E+06	0.00E+00	3.74E+06	0.00E+00
AM-241	4.14E+08	3.87E+08	2.97E+07	0.00E+00	2.23E+08	0.00E+00	4.07E+07	0.00E+00
AM-242m	4.17E+08	3.63E+08	2.98E+07	0.00E+00	2.22E+08	0.00E+00	5.12E+07	0.00E+00
AM-243	4.14E+08	3.78E+08	2.91E+07	0.00E+00	2.19E+08	0.00E+00	4.77E+07	0.00E+00
CM-242	9.56E+06	1.02E+07	6.36E+05	0.00E+00	2.89E+06	0.00E+00	3.67E+07	0.00E+00
CM-243	3.28E+08	3.00E+08	2.05E+07	0.00E+00	9.57E+07	0.00E+00	4.27E+07	0.00E+00
CM-244	2.49E+08	2.33E+08	1.57E+07	0.00E+00	7.32E+07	0.00E+00	4.12E+07	0.00E+00
CM-245	5.14E+08	4.48E+08	3.16E+07	0.00E+00	1.48E+08	0.00E+00	3.86E+07	0.00E+00
CM-246	5.10E+08	4.48E+08	3.15E+07	0.00E+00	1.47E+08	0.00E+00	3.79E+07	0.00E+00
CM-247	4.97E+08	4.41E+08	3.11E+07	0.00E+00	1.45E+08	0.00E+00	4.99E+07	0.00E+00
CM-248	4.14E+09	3.64E+09	2.56E+08	0.00E+00	1.20E+09	0.00E+00	8.06E+08	0.00E+00
CF-252	1.39E+08	0.00E+00	3.35E+06	0.00E+00	0.00E+00	0.00E+00	1.53E+08	0.00E+00

5.0 TOTAL DOSE

Radioactivity contained within tanks, pipes or other systems and contained radioactive material or waste stored on site can produce radiation at offsite locations. Annual offsite radiation doses near the station due to such sources were judged to be negligible in comparison with applicable limits except for doses due to BWR turbine skyshine, Independent Spent Fuel Storage Installations (ISFSI), and potential doses due to radioactive waste storage facilities (excludes radioactive material storage). Changes or modifications to the power station that may impact the offsite dose through increases to the direct radiation levels need to be evaluated on a case-by-case basis and added to the Radiological Effluent Controls (RECS) to the ODCM when applicable.

5.1 Total Dose Calculation Requirements

5.1.1 Total Effective Dose Equivalent Limits; 10CFR20 and 40CFR190

LaSalle Station is required to determine the total dose to a member of the public due to all uranium fuel cycle sources in order to assess compliance with 40CFR190 as part of demonstrating compliance with 10CFR20.

The total dose for the uranium fuel cycle is the sum of doses due to radioactivity in airborne and liquid effluents and the doses due to direct radiation from contained sources at the nuclear power station. When evaluation of total dose is required for a station, the following contributions are summed:

- Doses due to airborne and liquid effluents from the station.
- Doses due to liquid effluents from nuclear power stations upstream.
- Doses due to any onsite radioactive waste storage facilities, if applicable.
- Doses due to any onsite Independent Spent Fuel Storage Installations (ISFSI)
- Doses due to nitrogen – 16 (N¹⁶) skyshine.

10CFR20 requires compliance to dose limits expressed as "Total Effective Dose Equivalent" (TEDE). Although annual dose limits in 10CFR20 are now expressed in terms of TEDEs, 40CFR190 limits remain stated as organ dose. The NRC continues to require 10CFR50 Appendix I and 40CFR190 doses to be reported in terms of organ dose and not TEDE. Due to the fact that organ dose limits set forth in 40CFR190 are substantially lower than those of 10CFR20 (25 mrem/yr vs. 100 mrem/yr), the NRC has stated that demonstration of compliance with the dose limits in 40CFR190 will

be deemed as demonstration of compliance with the dose limits of 10CFR20 for most facilities (Reference 104). In addition to compliance with 40CFR190, it may be necessary for a nuclear power plant to address dose from on-site activity by members of the public.

5.1.2 Total Dose Calculation Methodology

There are presently two types of contained sources of radioactivity that are of concern in LaSalle Station's offsite radiological dose assessments. The first source is that due to gamma radiation from nitrogen-16 (^{16}N) carried over to the turbine in BWR (boiling water reactor) steam. The second source is that due to radiation associated with radioactive material resident in onsite Independent Spent Fuel Storage Installations (gamma and neutron radiation) and radwaste storage facilities (gamma radiation).

Radiation from these sources contributes to the total body dose (deep dose equivalent). In addition to the total body, skin and single organ dose assessments previously described, an additional assessment is required. The additional assessment addresses radiation dose due to radioactivity contained within the nuclear power station and its structures.

5.1.3 BWR Skyshine

The most significant dose component to members of the public produced by "contained sources" is nitrogen-16 (^{16}N) within the turbine building of BWRs. Although primary side shielding is around the turbine and its piping, ^{16}N gamma rays scattered by air molecules in the overhead air space above the turbine and piping cause a measurable "skyshine" radiation dose in the local power plant environs.

Equation 5-1 is used to evaluate skyshine dose. A complicating factor in the calculation is the practice at some stations of adding hydrogen to reactor coolant to improve coolant chemistry. The addition of hydrogen can increase the dose rate due to skyshine up to a factor of 10 times expected levels depending on injection rates and power levels (Reference 39). Increasing the hydrogen injection rate will increase the dose rates even further. (See Reference 102) The skyshine dose determined by Equation 5-1 depends on the following factors:

- The distance of the dose recipient location from the turbine.

- The number of hours per year that the location is occupied by a dose recipient.
- The total energy [MWe-hr] generated by the nuclear power station with hydrogen addition.
- The total energy [MWe-hr] generated by the nuclear power station without hydrogen addition.

5.1.4 Independent Spent Fuel Storage Installation (ISFSI)

10CFR72.104 dose limits are the same as those specified by 40CFR190.

Even a fully loaded ISFSI is not expected to become the prominent contributor to the limits in this section. ISFSI dose contribution is in the form of direct radiation as no liquid or gas releases are expected to occur. The 10CFR72.212 report prepared in accordance with ISFSI requirements assumes a certain array of casks exists on the pad. The dose contribution from this array of casks, in combination with historical uranium fuel cycle operations (e.g. LSCS 1 & 2) prior to ISFSI operations, was analyzed to be within the 40CFR190 and 10CFR72.104 limits.

If the dose limits of 40CFR190 or 10CFR72.104 are exceeded, a special report to the NRC as well as an appropriate request for exemption/variance is required to be submitted to the NRC.

The requirement that the dose limits of 10CFR72.104 apply to "any real individual" is controlled for ISFSI activities in the ISFSI 72.212 report. The nearest real individual to the ISFSI was also determined to be the nearest real individual to the plant. Therefore, for the purposes of analyzing dose, the member of the public as defined in 40CFR190 is the same as the real individual identified in the 72.212 report. The dose rate calculated to the nearest real individual from a fully loaded ISFSI (as listed in the 10CFR72.212 report) is 5.87E-02 mRem/year. To ensure compliance in a conservative fashion, one half of the annual ISFSI dose will be added to each Unit's external body dose, assuming a fully loaded ISFSI under the conditions listed in the LaSalle 10CFR72.212 report.

5.1.5 Non Fuel Waste (NFW) Storage

LaSalle has implemented Non Fuel Waste (NFW) storage on site. The waste is stored in above ground Non Fuel Waste Canisters

(NFWCs) known as HI-SAFE storage modules. The waste is stored on the turning pads at the existing LaSalle ISFSI. A bounding study was performed based on data provided by the HI-SAFE manufacturer and Site Engineering. No liquid or gaseous releases are expected to occur, as the NFWCs are sealed under vacuum. Thus, only dose contributions due to direct radiation are considered. The study concluded that in accordance with NRC guidance, there would not be a significant contribution to offsite doses with regard to the NFW storage.

5.2 BWR Skyshine Calculation

The contained onsite radioactivity source that results in the most significant offsite radiation levels at LaSalle Station is skyshine resulting from ^{16}N decay inside turbines and steam piping.

The ^{16}N that produces the skyshine effect is formulated through neutron activation of the oxygen atoms (oxygen-16, or ^{16}O) in reactor coolant as the coolant passes through the operating reactor core. The ^{16}N travels with the steam produced in the reactor to the steam driven turbine. While the ^{16}N is in transport, it radioactively decays with a half-life of about 7 seconds and produces 6 to 7 MeV gamma rays. Typically, offsite dose points are shielded from a direct view of components containing ^{16}N , but there can be skyshine radiation at offsite locations due to scattering of gamma rays off the mass of air above the steamlines and turbine.

The offsite dose rate due to skyshine has been found to have the following dependencies:

- The dose rate decreases as distance from the station increases.
- The dose rate increases non-linearly as the power production level increases.
- The dose rate increases when hydrogen is added to the reactor coolant, an action taken to improve reactor coolant chemistry characteristics (see Reference 39).

To calculate offsite dose due to skyshine in a given time period due to skyshine, LaSalle Station must track the following parameters:

- The total gross energy E_h produced with hydrogen being added.
- The total gross energy E_o produced without hydrogen being added.

The turbines at the site are sufficiently close to each other that energy generated by the two operating units at may be summed.

An initial estimate of skyshine dose is calculated per the following equation:

$$D^{Sky} = (K)(E_o + M_h E_h) \sum \{OF_k SF_k e^{-0.007R_k}\} \quad (5-1)$$

The summation is over all locations k occupied by a hypothetical maximally exposed member of the public characterized by the parameters specified in ODCM Table 4-8. The parameters in Equation 5-1 are defined as follows:

D^{Ssky}	Dose Due to N-16 Skyshine	[mrem]
	Gamma External direct gamma dose (deep dose equivalent) due to BWR N-16 skyshine for the time period of interest.	
K	Empirical Constant	[mrem/(MWe-hr)]
	A constant determined by fitting data measured at the each station.	
E_o	Electrical Energy Generated Without Hydrogen Addition	[MWe-hr]
	Total gross electrical energy generated without hydrogen addition in the time period of interest.	
E_h	Electrical Energy Generated with Hydrogen Addition	[MWe-hr]
	Total gross electrical energy generated with hydrogen addition in the period of interest.	
M_h	Multiplication Factor for Hydrogen Addition	[dimensionless]
	Factor applied to offsite dose rate when skyshine is present. Hydrogen addition increases main steam line radiation levels typically up to a factor of approximately 5 (see Page 8-1 of Reference 39). M _h is station specific and is given in ODCM Table 4-8.	

OF_k	Occupancy Factor	[dimensionless]
	The fraction of time that the dose recipient spends at location k during the period of interest. See ODCM Table 4-8.	
SF_k	Shielding Factor	[dimensionless]
	A dimensionless factor that accounts for shielding due to occupancy of structures.	
	SF _k = 0.7 if there is a structure at location k ;	
	SF _k = 1.0 otherwise. See ODCM Table 4-8.	
0.007	Empirical Constant	[m ⁻¹]
	A constant determined by fitting data measured at the LaSalle station (see Reference 45).	
R_k	Distance	[m]
	Distance from the turbine to location k . See ODCM Table 4-8.	

5.3 Onsite Radwaste and Rad Material Storage Facilities

5.3.1 Process Waste Storage Facilities

- Interim Radwaste Storage Facility (IRSF) structure
- Concrete vaults containing radwaste liners

5.3.2 DAW Storage Facilities

- Dry Active Waste (DAW) facilities (may include Butler buildings/warehouses)
- Seavans or other temporary warehouses

5.3.3 ISFSI Facilities

- Independent spent fuel storage installation facilities.

5.4 Methodology

The external total body dose is comprised of the following parts:

- 1) Total body dose due to noble gas radionuclides in gaseous effluents (Section 4.2.1.1),

- 2) Dose due to ^{16}N skyshine (section 0) and other contained sources (section 5.3) and
- 3) Total body dose due to radioactivity deposited on the ground (Section 4.2.3.1).

The external total body dose due to radioactivity deposited on the ground is accounted for in the determination of the non-noble gas dose and is considered in section 5.5.

The total external total body dose, D^{Ex} , is given by:

$$D^{\text{Ex}} = D^{\text{TB}} + D^{\text{Sky}} + D^{\text{OSF}} \quad (5-2)$$

D^{Ex} Total External Total Body Dose [mrem]

Total external total body dose due to irradiation by external sources at the location of interest.

D^{TB} Noble Gas Total Body Dose [mrem]

External total body dose due to gamma radiation from noble gas radionuclides released in gaseous effluents at the location of interest. See Section 4.2.2.3.

D^{Sky} Dose Due to N-16 Skyshine Total Body Dose [mrem]

External total body dose due to N-16 skyshine for the period and location of interest. See Equation 5-1.

D^{OSF} Dose From On-Site Storage Facilities [mrem]

External total body dose due to radiation from on-site storage facilities at the location of interest. See Section 5.3.

5.5 Total Dose

The total dose, D^{Tot} , in the unrestricted area to a member of the public due to plant operations is given by:

$$D^{\text{Tot}} = D^{\text{Ex}} + D_{\text{aj}}^{\text{Liq}} + D_{\text{aj}}^{\text{NNG}} \quad (5-3)$$

where:

D^{Tot} Total Dose To Member of Public [mrem]

	Total off-site dose to a member of public due to plant operations.	
D^{Ex}	Total External Total Body Dose	[mrem]
	Total body dose due to external exposure to noble gases, N-16 skyshine and on-site storage facilities.	
D_{aj}^{Liq}	Liquid Effluent Dose	[mrem]
	Dose due to liquid effluents to age group a and organ j. The age group and organ with the highest dose from liquid effluents is used.	
D_{aj}^{NNG}	Non-Noble Gaseous Effluent Dose	[mrem]
	Dose due to non-noble gaseous effluents to age group a and organ j. The age group and organ with the highest dose from non-noble gas effluents is used.	

5.6 COMPLIANCE TO TOTAL DOSE LIMITS

5.6.1 Total Effective Dose Equivalent Limit - 10CFR20 Compliance

Each station's RECS limits the Total Effective Dose Equivalent (TEDE) to an annual limit of 100 mrem, as required by 10CFR20.1301 (a)(1). Demonstration of compliance with the limits of 40CFR190 (per Section 4.2.2) will be considered to demonstrate compliance with the 100 mrem/year limit.

5.6.2 Dose to a MEMBER OF THE PUBLIC in the Unrestricted Area

The NRC has stated that demonstration of compliance with the limits of 40CFR190 or with the design objectives of Appendix I to 10CFR50 will be deemed to demonstrate compliance with the limits of 10CFR20.1301(a)(1). Power reactors that comply with Appendix I may also have to demonstrate that they are within the 25 mrem limit of 40CFR190 (See Reference 104).

5.6.3 Dose to a MEMBER OF THE PUBLIC in the Restricted Area

In August of 1995, a revision to 10CFR20 was implemented that changed the definition of a member of the public. As a result, for each nuclear station, estimated doses were calculated for a member of the public who enters the site boundary, but is not authorized for unescorted access to the protected area of the site and does not enter any radiologically posted areas on the site. Realistic assumptions were made for occupancy times and locations visited while within the site boundary.

These evaluations indicate that the doses estimated for these members of the public are well within the 10CFR20 limits.

Evaluation of the 40CFR190 dose is used to demonstrate compliance to 10CFR20 and satisfy station RECS and Technical Specifications (see ODCM Part I).

5.6.4 Total Dose due to the Uranium Fuel Cycle (40CFR190)

RECS and 40CFR190 limit the annual (calendar year) dose or dose commitment to any member of the public due to releases of radioactivity and to radiation from uranium fuel cycle sources to the following:

- Less than or equal to 25 mrem to the total body.
- Less than or equal to 25 mrem to any organ except the thyroid.
- Less than or equal to 75 mrem to the thyroid.

Total Dose Components

This requirement includes the total dose from operations at the nuclear power station. This includes doses due to radioactive effluents (airborne and liquid) and dose due to direct radiation from non-effluent sources (e.g., sources contained in systems on site). It also includes dose due to plants under consideration, neighboring plants and dose due to other facilities in the uranium fuel cycle.

The operations comprising the uranium fuel cycle are specified in 40CFR190.02(b). The following are included to the extent that they directly support the production of electrical power for public use utilizing nuclear energy:

- Milling of uranium ore.
- Chemical conversion of uranium.

- Isotopic enrichment of uranium.
- Fabrication of uranium fuel.
- Generation of electricity by a light-watered-cooled nuclear power plant using uranium fuel.
- Reprocessing of spent uranium fuel.

Excluded are:

- Mining operations.
- Operations at waste disposal sites.
- Transportation of any radioactive material in support of these operations.
- The re-use of recovered non-uranium special nuclear and by-product materials from the cycle.

5.7 When Compliance Assessment is Required

Compliance with the 40CFR190 regulations is now required as part of demonstration of compliance to 10CFR20 regulations per 10CFR20.1301(d).

The dose due to the uranium fuel cycle is determined by equation 5-3