

NOTE: (a) Committed effective dose

Data Table 6-15 Collective Dose - All Liquid Pathways Including Irrigation
2014 Collective Dose - All Pathways Including Irrigation

Pathway	Collective Dose (person-rem) ^(a)	Percent of Total Dose
Sport fish	9.5E-03	0%
Commercial fish	6.6E-02	3%
Saltwater invertebrates	5.7E-02	3%
Shoreline Exposure	7.7E-03	0%
Swimming	7.5E-05	0%
Boating	8.5E-06	0%
Beaufort-Jasper (Chelsea)	3.5E-01	18%
Beaufort-Jasper (Purrysburg)	2.7E-01	14%
Savannah I&D	1.5E-01	8%
Vegetable consumption	1.0E+00	51%
Milk consumption	5.4E-02	3%
Meat consumption	1.7E-03	0%
Total	2.0E+00	

Radionuclide	Collective Dose (person-rem) ^(a)	Percent of Total Dose
H-3	4.0E-01	20%
C-14	5.3E-03	0%
Sr-90	2.0E-01	10%
Tc-99	3.7E-01	19%
I-129	1.9E-01	10%
Cs-137	1.1E-01	5%
U-234	2.2E-01	11%
U-235	1.1E-02	1%
U-238	2.3E-01	12%
Np-237	3.7E-05	0%
Pu-238	6.0E-03	0%
Pu-239	2.8E-03	0%
Am-241	5.8E-02	3%
Cm-244	5.2E-03	0%
Alpha	6.4E-02	3%
Nonvolatile Beta	1.1E-01	5%
Total	2.0E+00	

NOTE: (a) Committed effective dose

Irrigation Pathway Doses from Irridose Output

Radionuclide	Population (person-rem)
H-3 (oxide)	4.8E-02
C-14	6.7E-04
Sr-90	1.5E-01
Tc-99	3.7E-01
I-129	1.1E-01
Cs-137	1.9E-02
U-234	1.2E-01
U-235	5.6E-03
U-238	1.2E-01
Np-237	1.8E-05
Pu-238	2.0E-03
Pu-239	9.3E-04
Am-241	1.7E-02
Cm-244	1.5E-03
Alpha	2.1E-02
Nonvolatile Beta	8.0E-02
Total	1.1E+00

Other Liquid Pathway Doses from Ladtap Output

Radionuclide	Collective Dose (person-rem) ^(a)
H-3	3.5E-01
C-14	4.6E-03
Sr-90	4.8E-02
Tc-99	6.0E-04
I-129	8.2E-02
Cs-137	8.7E-02
U-234	1.0E-01
U-235	5.1E-03
U-238	1.1E-01
Np-237	1.9E-05
Pu-238	4.0E-03
Pu-239	1.9E-03
Am-241	4.1E-02
Cm-244	3.7E-03
Alpha	4.3E-02
Nonvolatile Beta	2.6E-02
Total	9.1E-01