

NOTE: (a) Committed effective dose.

NOTE: (b) Meat, milk, and vegetables.

NOTE: (c) Dose from tritium in foods calculated with absolute humidity of 12.9 g water/cubic meter of air.

NOTE: (d) Radionuclides contributing 0.01% or more from MAXDOSE-SR output.

Data Table 6-27 CAP88 MEI Dose Compared to MAXDOSE-SR
2014 Maximally Exposed Individual Dose Commitment at Site Boundary from Atmospheric Releases

Pathway	CAP88 PC Maximally Exposed Individual		MAXDOSE-SR Representative Person	
	(Millirem) ^(a)	(Percent of Dose)	(Millirem) ^(a)	(Percent of Dose) ^(d)
Plume	9.35E-05	0.31	1.22E-04	0.28
Ground	9.11E-04	2.99	1.56E-03	3.56
Inhalation	4.52E-03	14.82	1.59E-02	36.31
Food ^(b)	2.50E-02	81.88	2.62E-02	59.85
Total	3.05E-02		4.38E-02	

Radionuclide	CAP88 PC Maximally Exposed Individual		MAXDOSE-SR Representative Person	
	(Millirem) ^(a)	(Percent of Dose)	(Millirem) ^(a)	(Percent of Dose) ^(d)
Gases and Vapors				
H-3 ^(c)	2.71E-02	88.92	4.04E-02	92.26
C-14	3.28E-05	0.11	1.62E-04	0.37
Kr-85	9.35E-05	0.31	1.22E-04	0.28
I-129	1.33E-03	4.36	9.05E-04	2.07
Particulates				
Am-241	9.32E-06	0.03	2.34E-05	0.05
Cs-137	1.63E-03	5.34	1.75E-03	4.00
Np-237	2.36E-06	0.01	5.11E-06	0.01
Pu-238	2.30E-05	0.08	5.74E-05	0.13
Pu-239	2.51E-05	0.08	6.22E-05	0.14
Pu-240	4.84E-06	0.02	1.20E-05	0.03
Pu-241	2.41E-06	0.01	5.77E-06	0.01
Sr-90	7.67E-06	0.03	7.71E-06	0.02
Alpha	6.49E-05	0.21	1.61E-04	0.37
Non-Volatile Beta	1.64E-04	0.54	1.31E-04	0.30
Total	3.05E-02		4.38E-02	