

Data Table 6-28, CAP88 PC Population Dose Compared to POPDOSE-SR					
Collective Committed Dose from Atmospheric Releases					
	CAP88 Code			POPDOSE-SR Code	
	Person-rem(a)	Percent of Dose		Person-rem(a)	Percent of Dose(d)
By Pathway					
Plume	3.41E-02	0.65		2.06E-02	0.94
Ground	6.73E-01	12.83		6.12E-01	27.99
Inhalation	6.99E-01	13.32		1.27E+00	58.09
Food (b)	3.84E+00	73.20		2.84E-01	12.97
Total	5.25E+00			2.19E+00	
By Radionuclide					
Gases and Vapors					
H-3 (c)	3.45E+00	64.87		1.35E+00	61.82
C-14	2.63E-03	0.05		9.44E-04	0.04
Kr-85	3.41E-02	0.64		2.06E-02	0.94
I-129	6.56E-02	1.23		7.39E-03	0.34
Particulates					
Am-241	9.09E-04	0.02		1.01E-03	0.05
Cs-137	1.16E+00	21.78		6.20E-01	28.39
Pu-238	9.62E-03	0.18		1.02E-02	0.47
Pu-239	6.13E-02	1.15		6.41E-02	2.94
Pu-240	5.50E-04	0.01		5.74E-04	0.03
Pu-241	2.74E-04	0.01		2.75E-04	0.01
Sr-90	5.15E-03	0.10		8.92E-04	0.04
Alpha	8.95E-02	1.68		9.34E-02	4.28
Non-Volatile Beta	4.40E-01	8.28		1.45E-02	0.66
a. Committed effective dose					
b. Meat, milk, and vegetables					
c. Dose from tritium in foods calculated with absolute humidity of 12.9 g water/cubic meter of air					
d. Radionuclides contributing 0.01% or more from POPDOSE-SR output.					