

Conseq versus time 1. x/s

August 29, 2000

Results based on Upper Bound Source Term

Case	Decay Time	Decay Time (years)	Mean Consequences within 100 Miles (Surry population, 95% evacuation)		
			Early Fatalities	Societal Dose (rem)	Cancer Fatalities
69b	30d	0.082192	164	1.57E+07	14100
69c	90d	0.246575	145	1.45E+07	13000
45b	1y	1	54.9	1.17E+07	10300
71b	2y	2	10.1	9.64E+06	7930
71c	5y	5	0.217	7.72E+06	5160
71d	10y	10	0.0314	7.22E+06	5420
70b	30d	0.082192	4.23	1.01E+07	10300
70c	90d	0.246575	2.9	9.51E+06	9360
46b	1y	1	0.543	7.94E+06	6880
72b	2y	2	0.096	6.87E+06	5110
72c	5y	5	0.00762	5.86E+06	3490
72d	10y	10	0.00293	5.62E+06	3150

Results based on Lower Bound Source Term (I/Cs release fraction of 1.0)

Case	Decay Time	Decay Time (years)	Mean Consequences within 100 Miles (Surry population, 95% evacuation)		
			Early Fatalities	Societal Dose (rem)	Cancer Fatalities
73a	30d	0.082192	1.75	4.77E+06	2460
73b	90d	0.246575	1.49	4.63E+06	2390
73c	1y	1	1.01	4.54E+06	2320
73d	2y	2	0.658	4.50E+06	2270
73e	5y	5	0.238	4.31E+06	2120
73f	10y	10	0.0888	4.37E+06	2100
74a	30d	0.082192	0.0881	4.34E+06	2090
74b	90d	0.246575	0.0686	4.25E+06	2050
74c	1y	1	0.0484	4.20E+06	2000
74d	2y	2	0.0342	4.20E+06	1990
74e	5y	5	0.0145	4.07E+06	1900
74f	10y	10	0.00627	4.18E+06	1930

I-66

Decay Time (years)	Mean Consequences within 100 Miles			
	Upper	Upper	Lower	Lower
	Bound,	Bound,	Bound,	Bound,
	Late	Early	Late	Early
	Evac.	Evac.	Evac.	Evac.
0.082192	164	4.23	1.75	0.0881
0.246575	145	2.9	1.49	0.0686
1	54.9	0.543	1.01	0.0484
2	10.1	0.096	0.658	0.0342
5	0.217	0.00762	0.238	0.0145
10	0.0314	0.00293	0.0888	0.00627

Mean Consequences within 100 Miles

