

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	4520
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 .75)

Case	Decay Time	Decay Time (years)	Mean Consequences within 100 Miles (Surry population, 95% evacuation)		
			Early Fatalities	Societal Dose (rem)	Cancer Fatalities
75a	30d	0.082192	0.683	4.37E+06	2190
75b	90d	0.246575	0.557	4.30E+06	2160
75c	1y	1	0.366	4.24E+06	2100
75d	2y	2	0.223	4.19E+06	2050
75e	5y	5	0.0717	4.14E+06	1990
75f	10y	10	0.0213	4.16E+06	1970
76a	30d	0.082192	0.0402	4.05E+06	1910
76b	90d	0.246575	0.0328	4.02E+06	1900
76c	1y	1	0.0233	3.98E+06	1870
76d	2y	2	0.0154	3.96E+06	1840
76e	5y	5	0.00587	3.97E+06	1820
76f	10y	10	0.00258	4.02E+06	1840

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Early Fatalities

Decay Time (years)	Mean Consequences within 100 Miles			
	Upper Bound, Late Evac.	Upper Bound, Early Evac.	Lower Bound, Late Evac.	Lower Bound, Early Evac.
0.082192	164	4.23	0.683	0.0402
0.246575	145	2.9	0.557	0.0328
1	54.9	0.543	0.366	0.0233
2	10.1	0.096	0.223	0.0154
5	0.217	0.00762	0.0717	0.00587
10	0.0314	0.00293	0.0213	0.00258

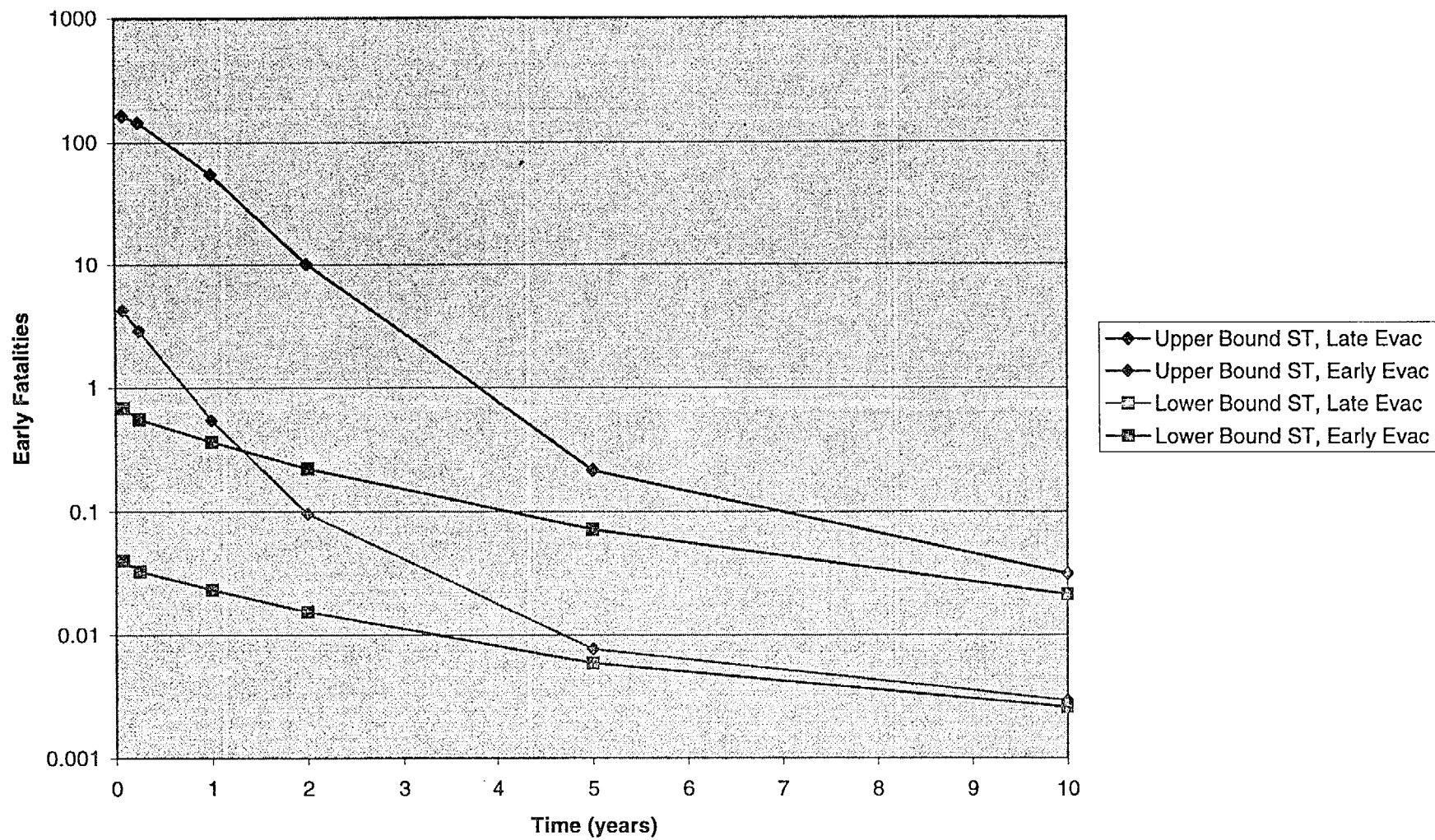
Societal Dose

Decay Time (years)	Mean Consequences within 100 Miles			
	Upper Bound, Late Evac.	Upper Bound, Early Evac.	Lower Bound, Late Evac.	Lower Bound, Early Evac.
0.082192	1.57E+07	1.01E+07	4.37E+06	4.05E+06
0.246575	1.45E+07	9.51E+06	4.30E+06	4.02E+06
1	1.17E+07	7.94E+06	4.24E+06	3.98E+06
2	9.64E+06	6.87E+06	4.19E+06	3.96E+06
5	7.72E+06	5.86E+06	4.14E+06	3.97E+06
10	7.22E+06	5.62E+06	4.16E+06	4.02E+06

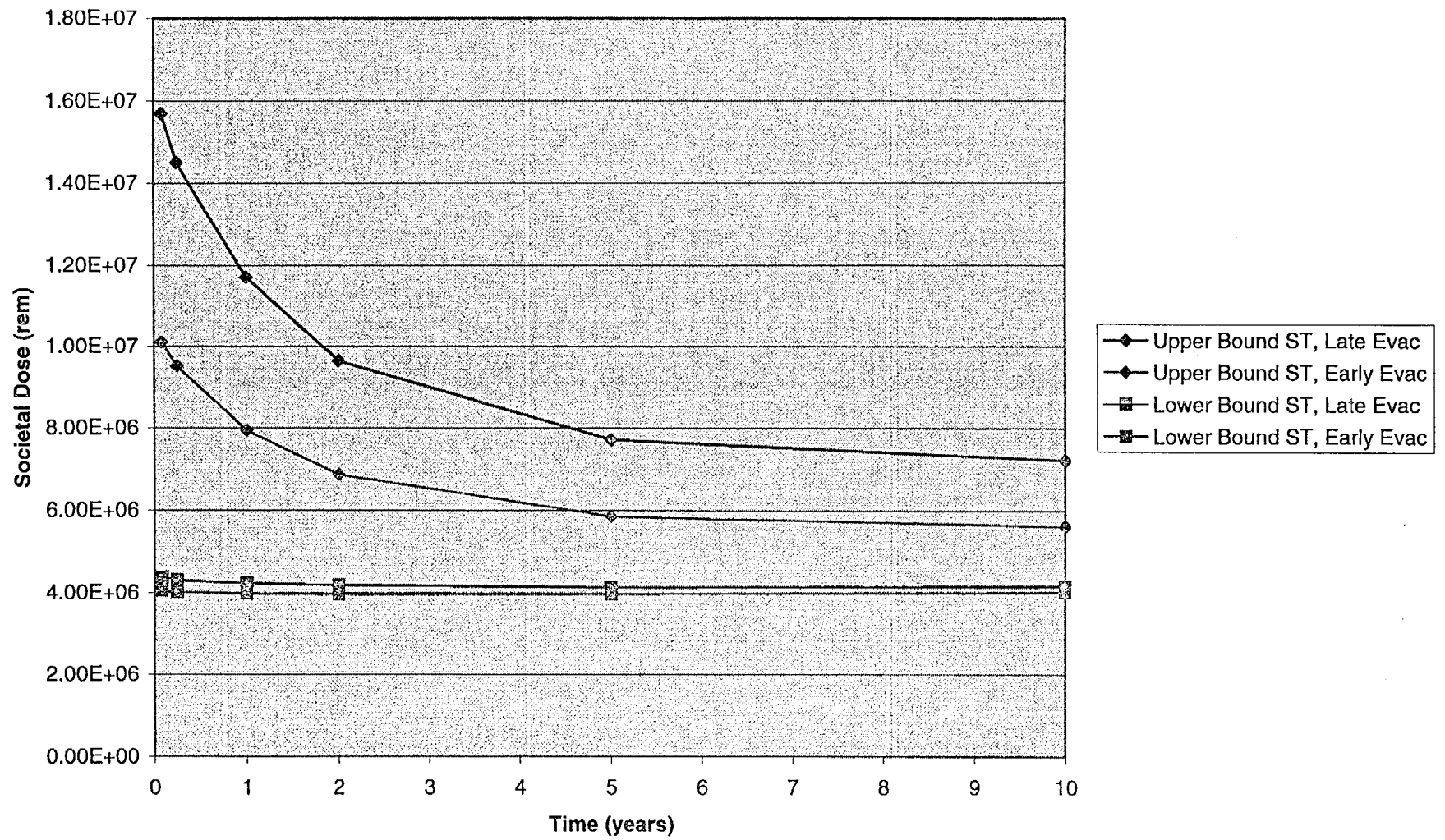
Cancer Fatalities

Decay Time (years)	Mean Consequences within 100 Miles			
	Upper Bound, Late Evac.	Upper Bound, Early Evac.	Lower Bound, Late Evac.	Lower Bound, Early Evac.
0.082192	14100	10300	2190	1910
0.246575	13000	9360	2160	1900
1	10300	6880	2100	1870
2	7930	5110	2050	1840
5	5160	3490	1990	1820
10	4520	3150	1970	1840

Mean Consequences within 100 Miles
(Surry population, 95% evacuation)



Mean Consequences within 100 Miles
(Surry population, 95% evacuation)



Mean Consequences within 100 Miles
(Surry population, 95% evacuation)

