

September 12, 2000

conseqversustime3.xls

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
79a	30d	0.082192	192	2.62E+07	21100
79b	90d	0.246575	162	2.49E+07	20000
79c	1y	1	76.9	2.15E+07	17400
79d	2y	2	19.2	1.90E+07	15400
79e	5y	5	1.34	1.66E+07	12600
79f	10y	10	0.36	1.53E+07	11400
80a	30d	0.082192	6.65	1.60E+07	15400
80b	90d	0.246575	3.95	1.52E+07	14300
80c	1y	1	0.951	1.34E+07	11500
80d	2y	2	0.149	1.20E+07	9480
80e	5y	5	0.0162	1.07E+07	7620
80f	10y	10	0.00601	1.00E+07	6940

Results based on Best Estimate Source Term

Case	Decay Time	Decay Time (years)	Mean Consequences within 100 Miles (Surry population, 95% evacuation)		
			Early Fatalities	Societal Dose (rem)	Cancer Fatalities
77a	30d	0.082192	2.21	7.15E+06	4540
77b	90d	0.246575	1.37	6.99E+06	4420
77c	1y	1	0.736	6.81E+06	4190
77d	2y	2	0.481	6.65E+06	4020
77e	5y	5	0.192	6.47E+06	3800
77f	10y	10	0.0778	6.26E+06	3620
78a	30d	0.082192	0.072	5.69E+06	3240
78b	90d	0.246575	0.0461	5.58E+06	3150
78c	1y	1	0.0301	5.48E+06	3020
78d	2y	2	0.0208	5.40E+06	2930
78e	5y	5	0.00882	5.33E+06	2820
78f	10y	10	0.004	5.24E+06	2730

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**Early Fatalities**

Decay Time (years)	Mean Consequences within 100 Miles			
	Upper Bound,	Upper Bound,	Best Estimate	Best Estimate
	Late	Early	Late	Early
	Evac.	Evac.	Evac.	Evac.
0.082192	192	6.65	2.21	0.072
0.246575	162	3.95	1.37	0.0461
1	76.9	0.951	0.736	0.0301
2	19.2	0.149	0.481	0.0208
5	1.34	0.0162	0.192	0.00882
10	0.36	0.00601	0.0778	0.004

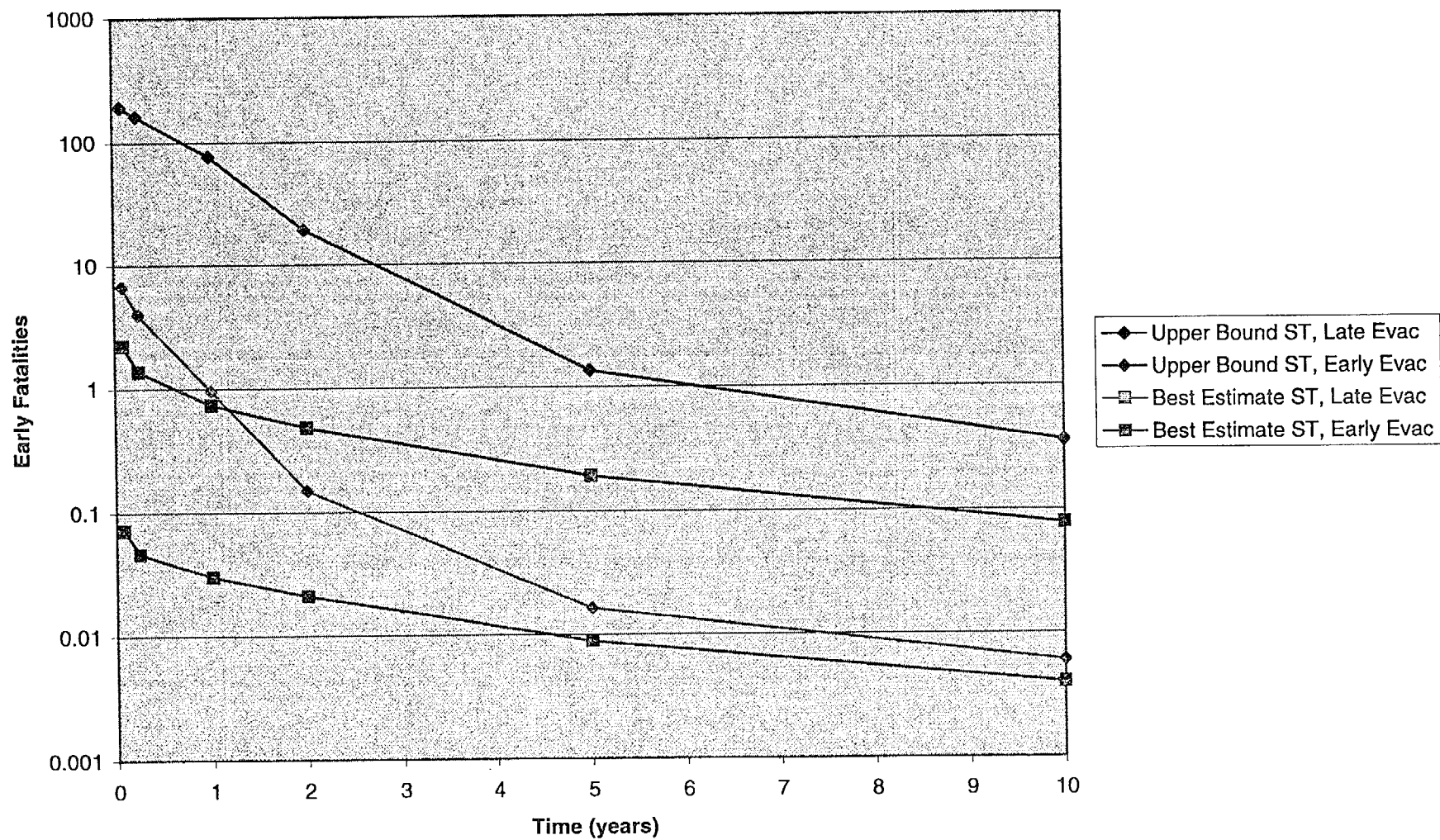
**Societal Dose**

Decay Time (years)	Mean Consequences within 100 Miles			
	Upper Bound,	Upper Bound,	Best Estimate	Best Estimate
	Late	Early	Late	Early
	Evac.	Evac.	Evac.	Evac.
0.082192	2.62E+07	1.60E+07	7.15E+06	5.69E+06
0.246575	2.49E+07	1.52E+07	6.99E+06	5.58E+06
1	2.15E+07	1.34E+07	6.81E+06	5.48E+06
2	1.90E+07	1.20E+07	6.65E+06	5.40E+06
5	1.66E+07	1.07E+07	6.47E+06	5.33E+06
10	1.53E+07	1.00E+07	6.26E+06	5.24E+06

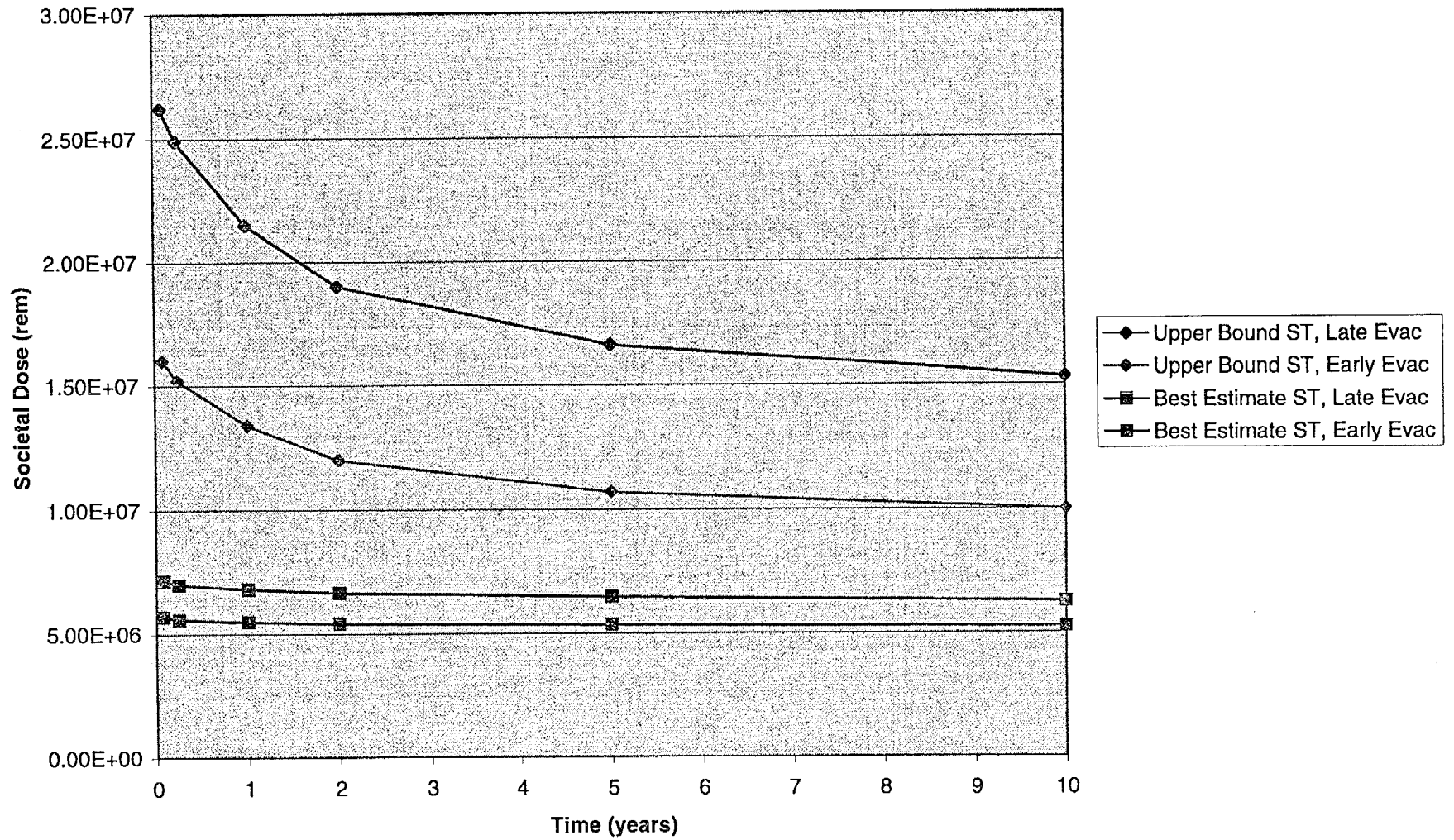
**Cancer Fatalities**

Decay Time (years)	Mean Consequences within 100 Miles			
	Upper Bound,	Upper Bound,	Lower Bound,	Lower Bound,
	Late	Early	Late	Early
	Evac.	Evac.	Evac.	Evac.
0.082192	21100	15400	4540	3240
0.246575	20000	14300	4420	3150
1	17400	11500	4190	3020
2	15400	9480	4020	2930
5	12600	7620	3800	2820
10	11400	6940	3620	2730

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)

