

Results

Mean Consequences for Surry Population Density							
Case	Decay Time Prior to Accident	Distance (miles)	Early Fatalities	Societal Dose (person-rem)	Cancer Fatalities	Distance (miles)	Interdiction (hectares)
Base	1 year	0-100	1.01	4.54×10^6	2,320	0-50	34,100
11	1 year (100% ruthenium release)	0-100	95.3	9.53×10^6	9,150	0-50	33,500
14	1 year (100% ruthenium release) ¹	0-100	.13	6.75×10^6	6,300	0-50	33,500

¹Based on evacuation before release.

Conclusion: Effect of ruthenium release can be very significant, but can be offset by early evacuation.

gave to CT 4/19/00

4/19/00

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Results

Mean Consequences for Surry Population Density							
Case	Decay Time Prior to Accident	Distance (miles)	Early Fatalities	Societal Dose (person-rem)	Cancer Fatalities	Cancer Fatalities	
						first week	after first week
Base	1 year	0-100	1.01	4.54×10^6	2,320	748/678	1570
11	1 year (100% ruthenium release)	0-100	95.3	9.53×10^6	9,150	7620/7590	1540
14	1 year (100% ruthenium release) ¹	0-100	.13	6.75×10^6	6,300	4750/7580	1540

¹Based on evacuation before release.

Conclusion: Effect of ruthenium release can be very significant, but can be offset by early evacuation.