

8/3/00

**Results of Release Fraction Sensitivities  
(95% evacuation, Surry Population Density)**

Case	Release Fraction							Mean Consequences within 50 miles	
	I,Cs	Ru	Te	Ba	Sr	Ce	La	Societal Dose (person-rem)	Cancer Fatalities
Base		2x10 <sup>-5</sup>						3.16x10 <sup>6</sup>	1,700
45a	1	1	.02	.01	.01	.01	.01	1.14x10 <sup>7</sup>	10,600
45b	.75	.75	.02	.01	.01	.01	.01	1.00x10 <sup>7</sup>	9,320
13 <sup>a</sup>		2x10 <sup>-5</sup>						2.81x10 <sup>6</sup>	1,370
46a <sup>a</sup>	1	1	.02	.01	.01	.01	.01	7.04x10 <sup>6</sup>	6,970
46b <sup>a</sup>	.75	.75	.02	.01	.01	.01	.01	6.29x10 <sup>6</sup>	5,860

<sup>a</sup>Based on evacuation before release.

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