

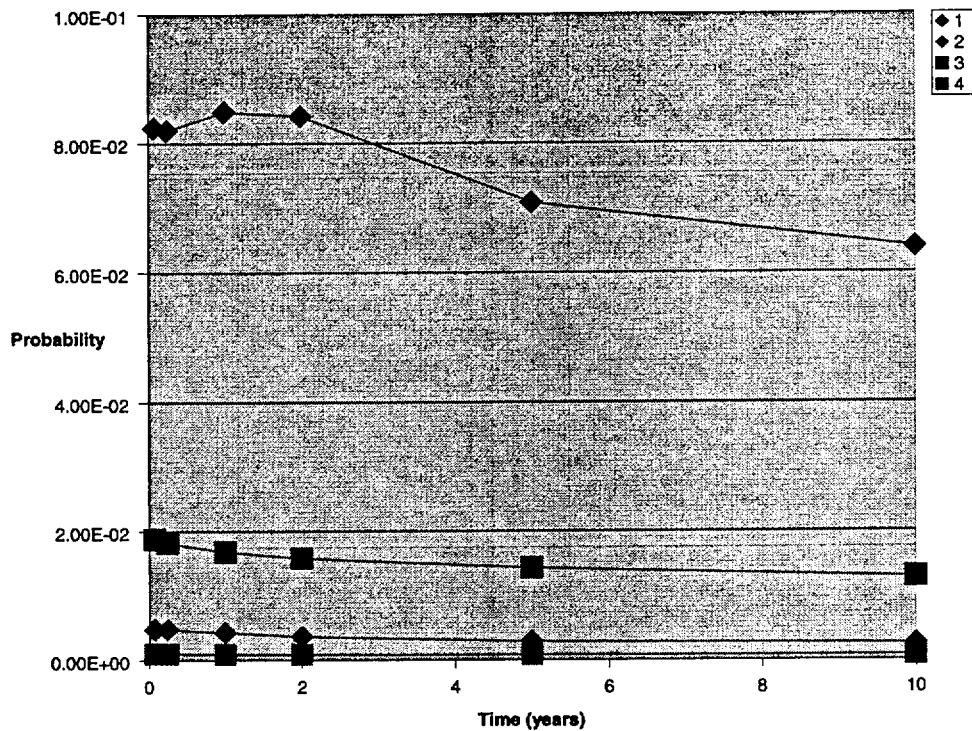
From: Jason Schaperow *RES*
To: Robert Palla
Date: Tue, Sep 19, 2000 4:50 PM
Subject: MACCS Results vs. Decay Time

Attached are the results you requested.

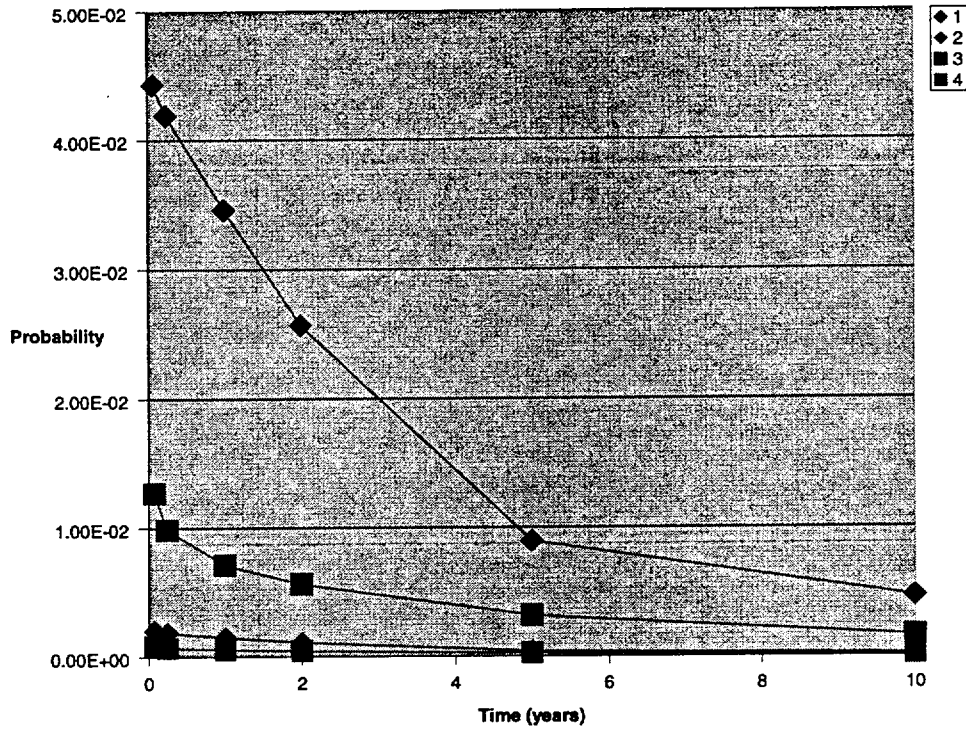
CC: Charles Tinkler, John Flack

m/85

Individual Risk of Cancer Fatality (10 miles)



Individual Risk of Early Fatality (1 mile)



September 19, 2000										
Table 2a Results based on Upper Bound Source Term										
Case	Decay Time	Mean Consequences		Decay Time (years)	Ind. Risk of Early Fat. (1 m)					
		Ind. Risk of Early	Ind. Risk of Cancer		Upper Bound	Upper Bound	NUREG-146	NUREG-146		
		Fat. (1 m)	Fat. (10 m)		ST	ST	ST	ST		
					Late Evac	Early Evac	Late Evac	Early Evac		
79a	30days	4.43E-02	8.24E-02	0.08219	4.43E-02	2.01E-03	1.27E-02	8.36E-04		
79b	90days	4.19E-02	8.20E-02	0.24658	4.19E-02	1.87E-03	9.86E-03	6.83E-04		
79c	1year	3.46E-02	8.49E-02	1	3.46E-02	1.50E-03	7.13E-03	5.44E-04		
79d	2years	2.57E-02	8.42E-02	2	2.57E-02	1.12E-03	5.64E-03	4.41E-04		
79e	5years	8.96E-03	7.08E-02	5	8.96E-03	3.99E-04	3.18E-03	2.54E-04		
79f	10years	4.68E-03	6.39E-02	10	4.68E-03	2.05E-04	1.63E-03	1.47E-04		
80a	30days	2.01E-03	4.79E-03							
80ba	90days	1.87E-03	4.77E-03							
80ca	1year	1.50E-03	4.33E-03							
80da	2years	1.12E-03	3.70E-03							
80ea	5years	3.99E-04	2.93E-03							
80fa	10years	2.05E-04	2.64E-03							
				0.08219	8.24E-02	4.79E-03	1.88E-02	9.92E-04		
				0.24658	8.20E-02	4.77E-03	1.82E-02	9.62E-04		
				1	8.49E-02	4.33E-03	1.68E-02	9.09E-04		
				2	8.42E-02	3.70E-03	1.58E-02	8.71E-04		
				5	7.08E-02	2.93E-03	1.43E-02	8.14E-04		
				10	6.39E-02	2.64E-03	1.29E-02	7.70E-04		
Table 3a Results based on NUREG-1465 Source Term										
Case	Decay Time	Mean Consequences		Decay Time (years)	Ind. Risk of Early Fat. (1 m)					
		Ind. Risk of Early	Ind. Risk of Cancer		Upper Bound	Upper Bound	NUREG-146	NUREG-146		
		Fat. (1 m)	Fat. (10 m)		ST	ST	ST	ST		
					Late Evac	Early Evac	Late Evac	Early Evac		
77a	30days	1.27E-02	1.88E-02							
77b	90days	9.86E-03	1.82E-02							
77c	1year	7.13E-03	1.68E-02							
77d	2years	5.64E-03	1.58E-02							
77e	5years	3.18E-03	1.43E-02							
77f	10years	1.63E-03	1.29E-02							
78a	30days	8.36E-04	9.92E-04							
78ba	90days	6.83E-04	9.62E-04							
78ca	1year	5.44E-04	9.09E-04							
78da	2years	4.41E-04	8.71E-04							
78ea	5years	2.54E-04	8.14E-04							
78fa	10years	1.47E-04	7.70E-04							