

Table of Contents

Part VI: Uncertainty Analysis

RESRAD Uncertainty Analysis Results

Probabilistic Input .....	2
Total Dose .....	3
Total Risk .....	4
Dose vs Pathway: Ground External .....	5
Dose vs Pathway: Inhalation (w/o Radon) .....	6
Dose vs Pathway: Radon (Water Ind.) .....	7
Dose vs Pathway: Plant (Water Ind.) .....	8
Dose vs Pathway: Meat (Water Ind.) .....	9
Dose vs Pathway: Milk (Water Ind.) .....	10
Dose vs Pathway: Soil Ingestion .....	11
Dose vs Pathway: Water Ingestion .....	12
Dose vs Pathway: Fish Ingestion .....	13
Dose vs Pathway: Radon (Water Dep.) .....	14
Dose vs Pathway: Plant (Water Dep.) .....	15
Dose vs Pathway: Meat (Water Dep.) .....	16
Dose vs Pathway: Milk (Water Dep.) .....	17
Cumulative Probability Summary.....	18
Summary of dose at graphical times, reptition 1.....	19
Summary of dose at graphical times, reptition 2.....	20
Summary of dose at graphical times, reptition 3.....	21
Peak of the mean dose at graphical times.....	22
Correlation and Regression coefficients (if any).....	23

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## Probabilistic Input

Number of Sample Runs: 1500

Number	Name	Distribution	Parameters											
1	VCZ	CONTINUOUS LOGARITHMIC4	5.E-8	0	.0007	.22	.005	.95	.2	1				
2	BCZ	BOUNDED LOGNORMAL-N	1.28	.334	1.28	10.1								
3	EVAPTR	UNIFORM	.5	.99										
4	WIND	UNIFORM	2.8	4.7										
5	RUNOFF	UNIFORM	.1	.8										
6	BUZ (1)	BOUNDED LOGNORMAL-N	1.28	.334	1.28	10.1								
7	MLINH	CONTINUOUS LINEAR	8	0	0	.000008	.0151	.000016	.1365	.00003	.8119	.00004	.9495	.00006
8	SHF3	UNIFORM	.15	.95										
9	DM	TRIANGULAR	0	.15	.6									
10	DROOT	UNIFORM	.3	4										
11	YV (1)	TRUNCATED LOGNORMAL-N	.56	.48	.001	.999								
12	WLAM	TRIANGULAR	5.1	18	84									
13	RWET (2)	TRIANGULAR	.06	.67	.95									
14	HUMID	TRUNCATED LOGNORMAL-N	1.98	.334	.001	.999								
15	VCV	CONTINUOUS LOGARITHMIC4	5.E-8	0	.0007	.22	.005	.95	.2	1				
16	DCACTC (1)	LOGNORMAL-N	3.09	1.79										
17	DCACTS (1)	LOGNORMAL-N	3.09	1.79										

Probabilistic Total Dose Summary

Nuclide	Peak	Peak	DOSE(j, t) , mrem/yr								
(j)	Time	Dose	t=	0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
Sr-90											
Min	0.00E+00	1.39E-01	7.02E-02	6.86E-02	6.54E-02	5.53E-02	3.43E-02	0.00E+00	0.00E+00	0.00E+00	
Max	1.49E+02	2.64E+02	2.64E+02	2.22E+02	1.57E+02	7.35E+01	2.01E+01	1.73E+00	1.32E-02	7.51E-10	
Avg	6.68E-01	2.25E+01	2.24E+01	2.12E+01	1.92E+01	1.39E+01	6.58E+00	8.37E-01	5.13E-03	1.57E-10	
Std	6.57E+00	2.82E+01	2.82E+01	2.51E+01	2.02E+01	1.07E+01	3.30E+00	4.22E-01	4.08E-03	2.08E-10	
ΣALL											
Min	0.00E+00	1.39E-01	7.02E-02	6.86E-02	6.54E-02	5.53E-02	3.43E-02	0.00E+00	0.00E+00	0.00E+00	
Max	1.49E+02	2.64E+02	2.64E+02	2.22E+02	1.57E+02	7.35E+01	2.01E+01	1.73E+00	1.32E-02	7.51E-10	
Avg	6.68E-01	2.25E+01	2.24E+01	2.12E+01	1.92E+01	1.39E+01	6.58E+00	8.37E-01	5.13E-03	1.57E-10	
Std	6.57E+00	2.82E+01	2.82E+01	2.51E+01	2.02E+01	1.07E+01	3.30E+00	4.22E-01	4.08E-03	2.08E-10	

ΣALL is total dose summed for all nuclides.

Probabilistic Risk Summary

Nuclide		RISK(j,t)							
(j)	t=	0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
<hr/>									
Sr-90									
Min		1.13E-06	1.11E-06	1.06E-06	8.94E-07	5.55E-07	0.00E+00	0.00E+00	0.00E+00
Max		4.51E-03	3.81E-03	2.69E-03	1.22E-03	3.46E-04	3.13E-05	2.50E-07	1.42E-14
Avg		3.85E-04	3.65E-04	3.30E-04	2.41E-04	1.15E-04	1.50E-05	9.47E-08	2.95E-15
Std		4.71E-04	4.19E-04	3.35E-04	1.76E-04	5.57E-05	7.86E-06	7.69E-08	3.93E-15
ΣALL									
Min		1.13E-06	1.11E-06	1.06E-06	8.94E-07	5.55E-07	0.00E+00	0.00E+00	0.00E+00
Max		4.51E-03	3.81E-03	2.69E-03	1.22E-03	3.46E-04	3.13E-05	2.50E-07	1.42E-14
Avg		3.85E-04	3.65E-04	3.30E-04	2.41E-04	1.15E-04	1.50E-05	9.47E-08	2.95E-15
Std		4.71E-04	4.19E-04	3.35E-04	1.76E-04	5.57E-05	7.86E-06	7.69E-08	3.93E-15
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ΣALL is total risk summed for all nuclides.

Probabilistic Dose vs Pathway(i): Ground External

Nuclide		DOSE(i,j,t), mrem/yr							
(j)	t=	0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
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Sr-90									
Min		8.00E-10	6.45E-10	4.19E-10	9.22E-11	1.23E-12	0.00E+00	0.00E+00	0.00E+00
Max		7.30E-09	2.08E-07	1.69E-04	8.77E-03	5.45E-03	1.03E-03	8.77E-06	5.02E-13
Avg		9.33E-10	1.58E-09	2.72E-07	9.55E-05	1.19E-04	2.76E-05	1.03E-06	8.07E-14
Std		3.63E-10	8.50E-09	5.44E-06	8.67E-04	7.43E-04	1.48E-04	2.27E-06	1.36E-13
ΣALL									
Min		8.00E-10	6.45E-10	4.19E-10	9.22E-11	1.23E-12	0.00E+00	0.00E+00	0.00E+00
Max		7.30E-09	2.08E-07	1.69E-04	8.77E-03	5.45E-03	1.03E-03	8.77E-06	5.02E-13
Avg		9.33E-10	1.58E-09	2.72E-07	9.55E-05	1.19E-04	2.76E-05	1.03E-06	8.07E-14
Std		3.63E-10	8.50E-09	5.44E-06	8.67E-04	7.43E-04	1.48E-04	2.27E-06	1.36E-13
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ΣALL is total pathway dose summed for all nuclides.

Probabilistic Dose vs Pathway(i): Inhalation (w/o Radon)

Nuclide		DOSE(i,j,t), mrem/yr							
(j)	t=	0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
Sr-90									
Min		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		0.00E+00	0.00E+00	7.07E-06	2.67E-05	1.61E-05	2.12E-06	3.72E-08	2.11E-15
Avg		0.00E+00	0.00E+00	6.60E-09	1.37E-07	1.60E-07	3.63E-08	1.59E-09	1.15E-16
Std		0.00E+00	0.00E+00	1.90E-07	1.30E-06	1.08E-06	2.05E-07	3.89E-09	2.33E-16
ΣALL									
Min		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		0.00E+00	0.00E+00	7.07E-06	2.67E-05	1.61E-05	2.12E-06	3.72E-08	2.11E-15
Avg		0.00E+00	0.00E+00	6.60E-09	1.37E-07	1.60E-07	3.63E-08	1.59E-09	1.15E-16
Std		0.00E+00	0.00E+00	1.90E-07	1.30E-06	1.08E-06	2.05E-07	3.89E-09	2.33E-16

ΣALL is total pathway dose summed for all nuclides.

Probabilistic Dose vs Pathway(i):    Radon (Water Ind.)

Nuclide		DOSE(i,j,t), mrem/yr							
(j)	t=	0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
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Sr-90									
Min		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ΣALL									
Min		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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ΣALL is total pathway dose summed for all nuclides.

Probabilistic Dose vs Pathway(i): Plant (Water Ind.)

Nuclide		DOSE(i,j,t), mrem/yr							
(j)	t=	0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
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Sr-90									
Min		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		9.28E+00	9.44E+00	9.90E+00	9.36E+00	5.82E+00	1.10E+00	9.36E-03	5.31E-10
Avg		5.53E+00	5.38E+00	5.09E+00	4.19E+00	2.43E+00	4.03E-01	3.05E-03	1.04E-10
Std		3.24E+00	3.14E+00	2.96E+00	2.50E+00	1.56E+00	3.00E-01	2.84E-03	1.44E-10
ΣALL									
Min		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		9.28E+00	9.44E+00	9.90E+00	9.36E+00	5.82E+00	1.10E+00	9.36E-03	5.31E-10
Avg		5.53E+00	5.38E+00	5.09E+00	4.19E+00	2.43E+00	4.03E-01	3.05E-03	1.04E-10
Std		3.24E+00	3.14E+00	2.96E+00	2.50E+00	1.56E+00	3.00E-01	2.84E-03	1.44E-10
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ΣALL is total pathway dose summed for all nuclides.



Probabilistic Dose vs Pathway(i): Meat (Water Ind.)

Nuclide		DOSE(i,j,t), mrem/yr							
(j)	t=	0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
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Sr-90									
Min		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		1.34E+00	1.36E+00	1.43E+00	1.41E+00	8.78E-01	1.66E-01	1.41E-03	8.02E-11
Avg		8.01E-01	7.78E-01	7.36E-01	6.08E-01	3.52E-01	5.86E-02	4.50E-04	1.57E-11
Std		4.69E-01	4.55E-01	4.29E-01	3.63E-01	2.27E-01	4.38E-02	4.20E-04	2.17E-11
ΣALL									
Min		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		1.34E+00	1.36E+00	1.43E+00	1.41E+00	8.78E-01	1.66E-01	1.41E-03	8.02E-11
Avg		8.01E-01	7.78E-01	7.36E-01	6.08E-01	3.52E-01	5.86E-02	4.50E-04	1.57E-11
Std		4.69E-01	4.55E-01	4.29E-01	3.63E-01	2.27E-01	4.38E-02	4.20E-04	2.17E-11
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ΣALL is total pathway dose summed for all nuclides.

Probabilistic Dose vs Pathway(i): Milk (Water Ind.)

Nuclide		DOSE(i,j,t), mrem/yr							
(j)	t=	0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
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Sr-90									
Min		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		2.35E+00	2.39E+00	2.51E+00	2.43E+00	1.51E+00	2.84E-01	2.43E-03	1.38E-10
Avg		1.41E+00	1.37E+00	1.29E+00	1.07E+00	6.19E-01	1.03E-01	7.83E-04	2.70E-11
Std		8.25E-01	7.99E-01	7.54E-01	6.38E-01	3.97E-01	7.67E-02	7.29E-04	3.73E-11
ΣALL									
Min		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		2.35E+00	2.39E+00	2.51E+00	2.43E+00	1.51E+00	2.84E-01	2.43E-03	1.38E-10
Avg		1.41E+00	1.37E+00	1.29E+00	1.07E+00	6.19E-01	1.03E-01	7.83E-04	2.70E-11
Std		8.25E-01	7.99E-01	7.54E-01	6.38E-01	3.97E-01	7.67E-02	7.29E-04	3.73E-11
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ΣALL is total pathway dose summed for all nuclides.

Probabilistic Dose vs Pathway(i): Soil Ingestion

Nuclide		DOSE(i,j,t), mrem/yr							
(j)	t=	0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
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Sr-90									
Min		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		0.00E+00	0.00E+00	4.74E-04	1.70E-03	1.05E-03	1.99E-04	1.70E-06	9.72E-14
Avg		0.00E+00	0.00E+00	7.01E-07	2.04E-05	2.38E-05	5.52E-06	2.28E-07	1.63E-14
Std		0.00E+00	0.00E+00	1.67E-05	1.75E-04	1.45E-04	2.87E-05	4.57E-07	2.65E-14
ΣALL									
Min		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		0.00E+00	0.00E+00	4.74E-04	1.70E-03	1.05E-03	1.99E-04	1.70E-06	9.72E-14
Avg		0.00E+00	0.00E+00	7.01E-07	2.04E-05	2.38E-05	5.52E-06	2.28E-07	1.63E-14
Std		0.00E+00	0.00E+00	1.67E-05	1.75E-04	1.45E-04	2.87E-05	4.57E-07	2.65E-14
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ΣALL is total pathway dose summed for all nuclides.

Probabilistic Dose vs Pathway(i): Water Ingestion

Nuclide		DOSE(i,j,t), mrem/yr							
(j)	t=	0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
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Sr-90									
Min		4.95E-03	4.84E-03	4.61E-03	3.90E-03	2.42E-03	0.00E+00	0.00E+00	0.00E+00
Max		1.88E+02	1.58E+02	1.12E+02	4.97E+01	1.18E+01	6.62E-01	1.95E-03	3.28E-11
Avg		1.07E+01	9.97E+00	8.77E+00	5.85E+00	2.31E+00	1.98E-01	6.14E-04	7.26E-12
Std		2.03E+01	1.81E+01	1.46E+01	7.85E+00	2.35E+00	1.54E-01	4.73E-04	7.95E-12
ΣALL									
Min		4.95E-03	4.84E-03	4.61E-03	3.90E-03	2.42E-03	0.00E+00	0.00E+00	0.00E+00
Max		1.88E+02	1.58E+02	1.12E+02	4.97E+01	1.18E+01	6.62E-01	1.95E-03	3.28E-11
Avg		1.07E+01	9.97E+00	8.77E+00	5.85E+00	2.31E+00	1.98E-01	6.14E-04	7.26E-12
Std		2.03E+01	1.81E+01	1.46E+01	7.85E+00	2.35E+00	1.54E-01	4.73E-04	7.95E-12
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ΣALL is total pathway dose summed for all nuclides.

Probabilistic Dose vs Pathway(i): Fish Ingestion

Nuclide		DOSE(i,j,t), mrem/yr							
(j)	t=	0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
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Sr-90									
Min		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ΣALL									
Min		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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ΣALL is total pathway dose summed for all nuclides.

Probabilistic Dose vs Pathway(i): Radon (Water Dep.)

Nuclide		DOSE(i,j,t), mrem/yr							
(j)	t=	0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
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Sr-90									
Min		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ΣALL									
Min		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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ΣALL is total pathway dose summed for all nuclides.

Probabilistic Dose vs Pathway(i): Plant (Water Dep.)

Nuclide		DOSE(i,j,t), mrem/yr							
(j)	t=	0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
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Sr-90									
Min		8.65E-04	8.44E-04	8.05E-04	6.81E-04	4.23E-04	0.00E+00	0.00E+00	0.00E+00
Max		3.10E+01	2.79E+01	2.26E+01	1.08E+01	3.12E+00	1.90E-01	4.15E-04	8.20E-12
Avg		1.17E+00	1.10E+00	9.68E-01	6.47E-01	2.56E-01	2.21E-02	6.87E-05	7.93E-13
Std		2.47E+00	2.23E+00	1.83E+00	1.01E+00	3.11E-01	2.23E-02	6.69E-05	1.01E-12
ΣALL									
Min		8.65E-04	8.44E-04	8.05E-04	6.81E-04	4.23E-04	0.00E+00	0.00E+00	0.00E+00
Max		3.10E+01	2.79E+01	2.26E+01	1.08E+01	3.12E+00	1.90E-01	4.15E-04	8.20E-12
Avg		1.17E+00	1.10E+00	9.68E-01	6.47E-01	2.56E-01	2.21E-02	6.87E-05	7.93E-13
Std		2.47E+00	2.23E+00	1.83E+00	1.01E+00	3.11E-01	2.23E-02	6.69E-05	1.01E-12
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ΣALL is total pathway dose summed for all nuclides.

Probabilistic Dose vs Pathway(i): Meat (Water Dep.)

Nuclide		DOSE(i,j,t), mrem/yr							
(j)	t=	0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
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Sr-90									
Min		6.40E-04	6.25E-04	5.95E-04	5.04E-04	3.13E-04	0.00E+00	0.00E+00	0.00E+00
Max		2.09E+01	1.76E+01	1.31E+01	7.04E+00	1.62E+00	9.13E-02	2.82E-04	4.18E-12
Avg		1.28E+00	1.20E+00	1.05E+00	7.00E-01	2.76E-01	2.37E-02	7.35E-05	8.63E-13
Std		2.45E+00	2.20E+00	1.78E+00	9.59E-01	2.82E-01	1.90E-02	5.82E-05	9.54E-13
ΣALL									
Min		6.40E-04	6.25E-04	5.95E-04	5.04E-04	3.13E-04	0.00E+00	0.00E+00	0.00E+00
Max		2.09E+01	1.76E+01	1.31E+01	7.04E+00	1.62E+00	9.13E-02	2.82E-04	4.18E-12
Avg		1.28E+00	1.20E+00	1.05E+00	7.00E-01	2.76E-01	2.37E-02	7.35E-05	8.63E-13
Std		2.45E+00	2.20E+00	1.78E+00	9.59E-01	2.82E-01	1.90E-02	5.82E-05	9.54E-13
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ΣALL is total pathway dose summed for all nuclides.



Probabilistic Dose vs Pathway(i):    Milk    (Water Dep.)

Nuclide		DOSE(i,j,t), mrem/yr							
(j)	t=	0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
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Sr-90									
Min		8.02E-04	7.83E-04	7.47E-04	6.32E-04	3.93E-04	0.00E+00	0.00E+00	0.00E+00
Max		2.43E+01	2.09E+01	1.69E+01	9.11E+00	2.18E+00	1.19E-01	3.80E-04	5.58E-12
Avg		1.55E+00	1.45E+00	1.27E+00	8.48E-01	3.34E-01	2.87E-02	8.92E-05	1.05E-12
Std		3.00E+00	2.69E+00	2.19E+00	1.18E+00	3.47E-01	2.37E-02	7.26E-05	1.17E-12
ΣALL									
Min		8.02E-04	7.83E-04	7.47E-04	6.32E-04	3.93E-04	0.00E+00	0.00E+00	0.00E+00
Max		2.43E+01	2.09E+01	1.69E+01	9.11E+00	2.18E+00	1.19E-01	3.80E-04	5.58E-12
Avg		1.55E+00	1.45E+00	1.27E+00	8.48E-01	3.34E-01	2.87E-02	8.92E-05	1.05E-12
Std		3.00E+00	2.69E+00	2.19E+00	1.18E+00	3.47E-01	2.37E-02	7.26E-05	1.17E-12
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ΣALL is total pathway dose summed for all nuclides.

Cumulative Probability	Dose(t), mrem/yr							
	t= 0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
0.025	6.22E-01	6.07E-01	5.79E-01	5.03E-01	3.17E-01	1.19E-02	2.36E-11	0.00E+00
0.050	1.34E+00	1.32E+00	1.26E+00	1.10E+00	6.73E-01	4.18E-02	6.90E-08	0.00E+00
0.075	2.52E+00	2.49E+00	2.38E+00	2.03E+00	1.28E+00	7.91E-02	3.04E-06	6.90E-29
0.100	3.57E+00	3.50E+00	3.55E+00	3.10E+00	1.81E+00	1.49E-01	2.77E-05	2.67E-23
0.125	4.90E+00	4.82E+00	4.74E+00	4.13E+00	2.53E+00	2.22E-01	9.35E-05	1.01E-19
0.150	6.10E+00	5.97E+00	5.74E+00	5.04E+00	3.08E+00	2.87E-01	1.96E-04	1.16E-17
0.175	7.14E+00	7.04E+00	6.90E+00	5.92E+00	3.53E+00	3.23E-01	3.31E-04	1.42E-16
0.200	8.08E+00	7.87E+00	7.76E+00	6.55E+00	3.97E+00	3.88E-01	4.99E-04	1.38E-15
0.225	9.03E+00	8.90E+00	8.60E+00	7.32E+00	4.30E+00	4.46E-01	7.16E-04	1.10E-14
0.250	9.86E+00	9.67E+00	9.28E+00	7.99E+00	4.73E+00	5.14E-01	9.49E-04	5.86E-14
0.275	1.06E+01	1.03E+01	9.92E+00	8.49E+00	5.00E+00	5.59E-01	1.26E-03	2.14E-13
0.300	1.11E+01	1.09E+01	1.04E+01	8.84E+00	5.28E+00	6.33E-01	1.58E-03	7.03E-13
0.325	1.15E+01	1.12E+01	1.07E+01	9.08E+00	5.49E+00	6.83E-01	1.92E-03	1.39E-12
0.350	1.19E+01	1.16E+01	1.11E+01	9.37E+00	5.66E+00	7.38E-01	2.38E-03	3.54E-12
0.375	1.23E+01	1.20E+01	1.14E+01	9.66E+00	5.79E+00	7.84E-01	2.79E-03	6.43E-12
0.400	1.26E+01	1.23E+01	1.17E+01	9.94E+00	5.97E+00	8.25E-01	3.32E-03	9.68E-12
0.425	1.28E+01	1.25E+01	1.19E+01	1.01E+01	6.16E+00	8.55E-01	3.70E-03	1.44E-11
0.450	1.30E+01	1.27E+01	1.22E+01	1.03E+01	6.26E+00	8.82E-01	4.17E-03	2.10E-11
0.475	1.32E+01	1.30E+01	1.24E+01	1.05E+01	6.36E+00	9.25E-01	4.49E-03	2.61E-11
0.500	1.38E+01	1.34E+01	1.28E+01	1.08E+01	6.46E+00	9.54E-01	4.86E-03	3.66E-11
0.525	1.41E+01	1.38E+01	1.32E+01	1.11E+01	6.57E+00	9.77E-01	5.26E-03	5.07E-11
0.550	1.47E+01	1.44E+01	1.37E+01	1.15E+01	6.67E+00	1.01E+00	5.67E-03	6.52E-11
0.575	1.53E+01	1.49E+01	1.41E+01	1.19E+01	6.86E+00	1.02E+00	6.01E-03	8.61E-11
0.600	1.60E+01	1.55E+01	1.47E+01	1.24E+01	7.05E+00	1.05E+00	6.45E-03	1.05E-10
0.625	1.68E+01	1.64E+01	1.55E+01	1.31E+01	7.26E+00	1.07E+00	6.86E-03	1.33E-10
0.650	1.79E+01	1.74E+01	1.65E+01	1.37E+01	7.46E+00	1.10E+00	7.19E-03	1.56E-10
0.675	1.88E+01	1.82E+01	1.72E+01	1.42E+01	7.73E+00	1.11E+00	7.76E-03	1.86E-10
0.700	2.02E+01	1.97E+01	1.85E+01	1.51E+01	8.02E+00	1.13E+00	8.12E-03	2.12E-10
0.725	2.18E+01	2.11E+01	2.00E+01	1.62E+01	8.24E+00	1.15E+00	8.40E-03	2.43E-10
0.750	2.36E+01	2.29E+01	2.15E+01	1.73E+01	8.49E+00	1.17E+00	8.69E-03	2.70E-10
0.775	2.53E+01	2.44E+01	2.31E+01	1.83E+01	8.79E+00	1.19E+00	8.97E-03	3.06E-10
0.800	2.77E+01	2.69E+01	2.50E+01	1.97E+01	9.02E+00	1.21E+00	9.19E-03	3.42E-10
0.825	3.03E+01	2.91E+01	2.73E+01	2.11E+01	9.35E+00	1.22E+00	9.61E-03	3.88E-10
0.850	3.46E+01	3.33E+01	3.07E+01	2.30E+01	9.80E+00	1.25E+00	9.96E-03	4.28E-10
0.875	4.01E+01	3.84E+01	3.54E+01	2.62E+01	1.03E+01	1.27E+00	1.03E-02	4.66E-10
0.900	4.72E+01	4.51E+01	4.14E+01	2.88E+01	1.08E+01	1.29E+00	1.10E-02	5.12E-10
0.925	5.65E+01	5.34E+01	4.77E+01	3.25E+01	1.14E+01	1.32E+00	1.15E-02	5.59E-10
0.950	7.32E+01	6.87E+01	6.04E+01	3.76E+01	1.25E+01	1.37E+00	1.20E-02	6.12E-10
0.975	1.10E+02	9.96E+01	8.40E+01	4.35E+01	1.36E+01	1.49E+00	1.26E-02	6.75E-10
1.000	2.64E+02	2.22E+02	1.57E+02	7.35E+01	2.01E+01	1.73E+00	1.32E-02	7.51E-10

Probabilistic results summary : RESRAD Default Parameters

File : C:\USERS\DNF\DOCUMENTS\FT CALHOUN\RESRAD INPUT FILES\BFM INSITU UNCERTAINTY ANALYSIS\FCS BFM INSITU UA SR-90.RAD

Summary of dose at graphical times, reptition 1								
Time	Dose statistics at graphical times, mrem/yr							
Years	Minimum	Maximum	Mean	Median	90%	95%	97.5%	99%
0.00E+00	1.30E-01	2.14E+02	2.23E+01	1.36E+01	4.57E+01	7.31E+01	1.11E+02	1.62E+02
1.00E+00	1.27E-01	1.83E+02	2.11E+01	1.33E+01	4.36E+01	6.87E+01	1.01E+02	1.38E+02
1.06E+00	1.27E-01	1.81E+02	2.11E+01	1.33E+01	4.35E+01	6.84E+01	1.00E+02	1.36E+02
1.12E+00	1.27E-01	1.79E+02	2.10E+01	1.33E+01	4.34E+01	6.82E+01	9.98E+01	1.35E+02
1.19E+00	1.27E-01	1.77E+02	2.09E+01	1.33E+01	4.33E+01	6.79E+01	9.92E+01	1.34E+02
1.25E+00	1.27E-01	1.75E+02	2.08E+01	1.33E+01	4.32E+01	6.76E+01	9.86E+01	1.32E+02
1.33E+00	1.26E-01	1.73E+02	2.08E+01	1.33E+01	4.30E+01	6.73E+01	9.79E+01	1.31E+02
1.40E+00	1.26E-01	1.71E+02	2.07E+01	1.32E+01	4.29E+01	6.70E+01	9.72E+01	1.29E+02
1.49E+00	1.26E-01	1.69E+02	2.06E+01	1.32E+01	4.28E+01	6.67E+01	9.65E+01	1.27E+02
1.57E+00	1.26E-01	1.67E+02	2.05E+01	1.32E+01	4.26E+01	6.64E+01	9.57E+01	1.25E+02
1.66E+00	1.25E-01	1.64E+02	2.04E+01	1.32E+01	4.25E+01	6.60E+01	9.49E+01	1.24E+02
1.76E+00	1.25E-01	1.62E+02	2.03E+01	1.31E+01	4.23E+01	6.56E+01	9.40E+01	1.22E+02
1.86E+00	1.25E-01	1.59E+02	2.02E+01	1.31E+01	4.21E+01	6.52E+01	9.31E+01	1.20E+02
1.97E+00	1.24E-01	1.56E+02	2.01E+01	1.31E+01	4.19E+01	6.48E+01	9.22E+01	1.18E+02
2.09E+00	1.24E-01	1.54E+02	2.00E+01	1.30E+01	4.18E+01	6.43E+01	9.12E+01	1.15E+02
2.21E+00	1.24E-01	1.51E+02	1.98E+01	1.30E+01	4.16E+01	6.37E+01	9.02E+01	1.13E+02
2.34E+00	1.23E-01	1.48E+02	1.97E+01	1.29E+01	4.13E+01	6.32E+01	8.91E+01	1.11E+02
2.47E+00	1.23E-01	1.44E+02	1.96E+01	1.29E+01	4.11E+01	6.26E+01	8.79E+01	1.08E+02
2.62E+00	1.22E-01	1.41E+02	1.94E+01	1.28E+01	4.09E+01	6.20E+01	8.68E+01	1.06E+02
2.77E+00	1.22E-01	1.38E+02	1.93E+01	1.28E+01	4.06E+01	6.14E+01	8.55E+01	1.03E+02
2.93E+00	1.22E-01	1.34E+02	1.91E+01	1.27E+01	4.04E+01	6.07E+01	8.42E+01	9.97E+01
3.00E+00	1.21E-01	1.33E+02	1.91E+01	1.27E+01	4.03E+01	6.04E+01	8.36E+01	9.85E+01
3.10E+00	1.21E-01	1.31E+02	1.90E+01	1.27E+01	4.01E+01	6.00E+01	8.27E+01	9.78E+01
3.28E+00	1.21E-01	1.27E+02	1.88E+01	1.27E+01	3.98E+01	5.93E+01	8.12E+01	9.49E+01
3.48E+00	1.20E-01	1.23E+02	1.86E+01	1.26E+01	3.95E+01	5.85E+01	7.96E+01	9.27E+01
3.68E+00	1.19E-01	1.20E+02	1.84E+01	1.26E+01	3.92E+01	5.77E+01	7.79E+01	9.06E+01
3.89E+00	1.19E-01	1.18E+02	1.82E+01	1.25E+01	3.89E+01	5.69E+01	7.62E+01	8.84E+01
4.12E+00	1.18E-01	1.15E+02	1.80E+01	1.24E+01	3.85E+01	5.60E+01	7.45E+01	8.61E+01
4.36E+00	1.17E-01	1.12E+02	1.78E+01	1.24E+01	3.82E+01	5.49E+01	7.21E+01	8.38E+01
4.61E+00	1.17E-01	1.09E+02	1.76E+01	1.23E+01	3.78E+01	5.41E+01	6.93E+01	8.14E+01
4.88E+00	1.16E-01	1.06E+02	1.74E+01	1.22E+01	3.70E+01	5.32E+01	6.63E+01	7.89E+01
5.17E+00	1.15E-01	1.03E+02	1.72E+01	1.21E+01	3.62E+01	5.23E+01	6.44E+01	7.64E+01
5.47E+00	1.14E-01	9.97E+01	1.69E+01	1.21E+01	3.54E+01	5.13E+01	6.26E+01	7.38E+01
5.78E+00	1.14E-01	9.64E+01	1.67E+01	1.19E+01	3.48E+01	5.03E+01	6.08E+01	7.12E+01
6.12E+00	1.13E-01	9.30E+01	1.64E+01	1.18E+01	3.43E+01	4.92E+01	5.89E+01	6.85E+01
6.48E+00	1.12E-01	8.96E+01	1.61E+01	1.17E+01	3.38E+01	4.78E+01	5.64E+01	6.58E+01
6.86E+00	1.11E-01	8.61E+01	1.59E+01	1.16E+01	3.33E+01	4.66E+01	5.37E+01	6.30E+01
7.26E+00	1.10E-01	8.25E+01	1.56E+01	1.15E+01	3.27E+01	4.53E+01	5.15E+01	6.09E+01
7.68E+00	1.09E-01	7.89E+01	1.53E+01	1.14E+01	3.21E+01	4.40E+01	4.96E+01	5.90E+01
8.13E+00	1.07E-01	7.53E+01	1.50E+01	1.13E+01	3.14E+01	4.27E+01	4.78E+01	5.69E+01
8.60E+00	1.06E-01	7.16E+01	1.47E+01	1.12E+01	3.03E+01	4.10E+01	4.58E+01	5.44E+01
9.10E+00	1.05E-01	6.79E+01	1.44E+01	1.10E+01	2.97E+01	3.98E+01	4.42E+01	5.15E+01
9.63E+00	1.04E-01	6.42E+01	1.40E+01	1.09E+01	2.89E+01	3.86E+01	4.26E+01	4.92E+01
1.00E+01	1.03E-01	6.18E+01	1.38E+01	1.08E+01	2.85E+01	3.75E+01	4.15E+01	4.76E+01
1.02E+01	1.02E-01	6.05E+01	1.37E+01	1.08E+01	2.83E+01	3.70E+01	4.09E+01	4.69E+01
1.08E+01	1.01E-01	5.72E+01	1.34E+01	1.06E+01	2.76E+01	3.53E+01	3.85E+01	4.45E+01
1.14E+01	9.93E-02	5.47E+01	1.30E+01	1.04E+01	2.63E+01	3.38E+01	3.68E+01	4.22E+01
1.21E+01	9.77E-02	5.22E+01	1.27E+01	1.03E+01	2.54E+01	3.24E+01	3.49E+01	3.99E+01
1.28E+01	9.61E-02	4.97E+01	1.23E+01	1.01E+01	2.46E+01	3.04E+01	3.35E+01	3.75E+01
1.35E+01	9.44E-02	4.72E+01	1.20E+01	9.90E+00	2.38E+01	2.91E+01	3.23E+01	3.52E+01
1.43E+01	9.26E-02	4.47E+01	1.16E+01	9.69E+00	2.30E+01	2.78E+01	3.06E+01	3.30E+01
1.51E+01	9.08E-02	4.22E+01	1.12E+01	9.49E+00	2.19E+01	2.63E+01	2.92E+01	3.14E+01
1.60E+01	8.89E-02	3.96E+01	1.08E+01	9.28E+00	2.06E+01	2.50E+01	2.77E+01	3.03E+01
1.70E+01	8.69E-02	3.71E+01	1.04E+01	9.06E+00	1.96E+01	2.35E+01	2.64E+01	2.85E+01
1.80E+01	8.49E-02	3.47E+01	1.01E+01	8.82E+00	1.87E+01	2.22E+01	2.49E+01	2.67E+01
1.90E+01	8.28E-02	3.22E+01	9.67E+00	8.58E+00	1.75E+01	2.08E+01	2.34E+01	2.48E+01

2.01E+01 8.06E-02 2.98E+01 9.28E+00 8.34E+00 1.64E+01 1.96E+01 2.20E+01 2.35E+01

2.13E+01 7.84E-02 2.75E+01 8.90E+00 8.10E+00 1.56E+01 1.84E+01 2.05E+01 2.24E+01

2.25E+01 7.61E-02 2.52E+01 8.51E+00 7.85E+00 1.49E+01 1.73E+01 1.93E+01 2.13E+01

2.38E+01 7.38E-02 2.32E+01 8.12E+00 7.59E+00 1.42E+01 1.65E+01 1.82E+01 2.02E+01

2.52E+01 7.14E-02 2.18E+01 7.73E+00 7.34E+00 1.32E+01 1.53E+01 1.70E+01 1.90E+01



2.67E+01 6.89E-02 2.05E+01 7.35E+00 7.00E+00 1.23E+01 1.42E+01 1.60E+01 1.79E+01

2.82E+01 6.64E-02 1.91E+01 6.97E+00 6.74E+00 1.16E+01 1.34E+01 1.48E+01 1.68E+01

2.99E+01 6.38E-02 1.78E+01 6.59E+00 6.44E+00 1.10E+01 1.26E+01 1.37E+01 1.55E+01

3.00E+01 6.37E-02 1.77E+01 6.57E+00 6.41E+00 1.09E+01 1.25E+01 1.36E+01 1.54E+01

3.16E+01 6.12E-02 1.65E+01 6.22E+00 6.15E+00 1.02E+01 1.16E+01 1.26E+01 1.44E+01

3.35E+01 5.86E-02 1.52E+01 5.86E+00 5.85E+00 9.55E+00 1.08E+01 1.17E+01 1.33E+01

3.54E+01 5.59E-02 1.40E+01 5.50E+00 5.57E+00 8.96E+00 1.01E+01 1.09E+01 1.21E+01

3.75E+01 5.32E-02 1.29E+01 5.14E+00 5.27E+00 8.21E+00 9.10E+00 1.01E+01 1.11E+01



3.97E+01 3.57E-02 1.18E+01 4.80E+00 4.98E+00 7.57E+00 8.37E+00 9.30E+00 1.00E+01

4.20E+01 2.17E-02 1.08E+01 4.46E+00 4.70E+00 6.96E+00 7.75E+00 8.54E+00 9.14E+00

4.44E+01 1.28E-02 9.80E+00 4.14E+00 4.38E+00 6.38E+00 7.13E+00 7.79E+00 8.30E+00

4.70E+01 7.30E-03 8.84E+00 3.82E+00 4.07E+00 5.82E+00 6.58E+00 7.16E+00 7.49E+00

4.97E+01 4.04E-03 7.93E+00 3.52E+00 3.76E+00 5.36E+00 6.06E+00 6.43E+00 6.75E+00

5.26E+01 2.16E-03 7.07E+00 3.22E+00 3.50E+00 4.87E+00 5.51E+00 5.87E+00 6.06E+00

5.57E+01 1.11E-03 6.26E+00 2.94E+00 3.20E+00 4.48E+00 4.96E+00 5.23E+00 5.38E+00

5.90E+01 5.53E-04 5.50E+00 2.67E+00 2.94E+00 4.05E+00 4.43E+00 4.67E+00 4.80E+00



6.24E+01 2.63E-04 4.80E+00 2.42E+00 2.68E+00 3.61E+00 3.97E+00 4.18E+00 4.28E+00

6.60E+01 1.20E-04 4.15E+00 2.18E+00 2.43E+00 3.24E+00 3.56E+00 3.71E+00 3.85E+00

6.99E+01 5.23E-05 3.61E+00 1.95E+00 2.17E+00 2.91E+00 3.20E+00 3.32E+00 3.48E+00

7.39E+01 2.17E-05 3.23E+00 1.74E+00 1.93E+00 2.57E+00 2.87E+00 2.96E+00 3.08E+00

7.82E+01 8.55E-06 2.88E+00 1.54E+00 1.72E+00 2.28E+00 2.55E+00 2.64E+00 2.77E+00

8.28E+01 3.20E-06 2.55E+00 1.35E+00 1.53E+00 2.01E+00 2.19E+00 2.36E+00 2.44E+00

8.76E+01 1.13E-06 2.24E+00 1.18E+00 1.32E+00 1.77E+00 1.93E+00 2.09E+00 2.16E+00

9.27E+01 3.74E-07 1.96E+00 1.03E+00 1.14E+00 1.55E+00 1.66E+00 1.84E+00 1.90E+00



9.81E+01 1.16E-07 1.70E+00 8.88E-01 9.87E-01 1.36E+00 1.41E+00 1.60E+00 1.65E+00

1.00E+02 7.77E-08 1.62E+00 8.44E-01 9.32E-01 1.30E+00 1.36E+00 1.52E+00 1.58E+00

1.04E+02 3.39E-08 1.47E+00 7.61E-01 8.47E-01 1.18E+00 1.24E+00 1.38E+00 1.43E+00

1.10E+02 9.16E-09 1.26E+00 6.46E-01 7.22E-01 1.01E+00 1.06E+00 1.19E+00 1.24E+00

1.16E+02 2.30E-09 1.08E+00 5.45E-01 6.04E-01 8.61E-01 9.08E-01 1.01E+00 1.05E+00

1.23E+02 5.31E-10 9.12E-01 4.55E-01 5.01E-01 7.29E-01 7.72E-01 8.50E-01 8.92E-01

1.30E+02 1.13E-10 7.64E-01 3.77E-01 4.13E-01 6.18E-01 6.53E-01 7.08E-01 7.51E-01

1.38E+02 2.19E-11 6.33E-01 3.09E-01 3.36E-01 5.13E-01 5.46E-01 5.85E-01 6.26E-01



1.46E+02 3.87E-12 5.20E-01 2.51E-01 2.71E-01 4.24E-01 4.49E-01 4.77E-01 5.15E-01

1.54E+02 6.17E-13 4.25E-01 2.01E-01 2.20E-01 3.46E-01 3.69E-01 3.84E-01 4.18E-01

1.63E+02      8.84E-14    3.43E-01    1.60E-01    1.75E-01    2.80E-01    2.98E-01    3.10E-01    3.36E-01

1.73E+02      1.13E-14    2.73E-01    1.26E-01    1.37E-01    2.24E-01    2.37E-01    2.48E-01    2.66E-01

1.83E+02 1.28E-15 2.15E-01 9.73E-02 1.06E-01 1.75E-01 1.86E-01 1.96E-01 2.08E-01

1.94E+02 1.28E-16 1.67E-01 7.44E-02 8.02E-02 1.36E-01 1.45E-01 1.53E-01 1.60E-01

2.05E+02 1.12E-17 1.27E-01 5.61E-02 6.06E-02 1.04E-01 1.11E-01 1.18E-01 1.22E-01

2.17E+02 8.52E-19 9.59E-02 4.16E-02 4.45E-02 7.90E-02 8.53E-02 9.06E-02 9.25E-02



2.29E+02 5.56E-20 7.10E-02 3.03E-02 3.25E-02 5.84E-02 6.33E-02 6.71E-02 6.94E-02

2.43E+02 3.10E-21 5.16E-02 2.17E-02 2.30E-02 4.29E-02 4.62E-02 4.93E-02 5.08E-02

2.57E+02 1.46E-22 3.68E-02 1.52E-02 1.58E-02 3.10E-02 3.34E-02 3.51E-02 3.63E-02

2.72E+02 0.00E+00 2.58E-02 1.04E-02 1.07E-02 2.18E-02 2.34E-02 2.45E-02 2.55E-02

2.88E+02 0.00E+00 1.77E-02 7.00E-03 7.00E-03 1.49E-02 1.61E-02 1.68E-02 1.75E-02

3.00E+02 0.00E+00 1.32E-02 5.15E-03 5.05E-03 1.11E-02 1.20E-02 1.26E-02 1.31E-02

3.05E+02 0.00E+00 1.19E-02 4.60E-03 4.51E-03 9.92E-03 1.08E-02 1.14E-02 1.17E-02

3.22E+02 0.00E+00 7.78E-03 2.96E-03 2.82E-03 6.41E-03 7.07E-03 7.45E-03 7.70E-03



3.41E+02 0.00E+00 4.98E-03 1.85E-03 1.72E-03 4.11E-03 4.52E-03 4.77E-03 4.94E-03

3.61E+02 0.00E+00 3.10E-03 1.13E-03 1.01E-03 2.56E-03 2.81E-03 2.96E-03 3.07E-03

3.82E+02 0.00E+00 1.88E-03 6.70E-04 5.82E-04 1.54E-03 1.70E-03 1.79E-03 1.86E-03

4.04E+02 0.00E+00 1.11E-03 3.86E-04 3.24E-04 9.03E-04 9.99E-04 1.05E-03 1.09E-03

4.28E+02 0.00E+00 6.31E-04 2.15E-04 1.79E-04 5.17E-04 5.73E-04 5.97E-04 6.24E-04

4.53E+02 0.00E+00 3.49E-04 1.16E-04 9.20E-05 2.82E-04 3.14E-04 3.28E-04 3.44E-04

4.79E+02 0.00E+00 1.86E-04 6.04E-05 4.54E-05 1.50E-04 1.68E-04 1.75E-04 1.84E-04

5.07E+02 0.00E+00 9.57E-05 3.03E-05 2.16E-05 7.59E-05 8.57E-05 9.03E-05 9.43E-05



5.36E+02 0.00E+00 4.74E-05 1.46E-05 9.71E-06 3.72E-05 4.23E-05 4.46E-05 4.66E-05

5.68E+02 0.00E+00 2.25E-05 6.73E-06 4.16E-06 1.75E-05 2.00E-05 2.10E-05 2.21E-05

6.01E+02 0.00E+00 1.02E-05 2.98E-06 1.70E-06 7.79E-06 9.01E-06 9.56E-06 1.00E-05

6.36E+02 0.00E+00 4.44E-06 1.26E-06 6.74E-07 3.40E-06 3.88E-06 4.12E-06 4.36E-06

6.73E+02 0.00E+00 1.84E-06 5.05E-07 2.59E-07 1.41E-06 1.59E-06 1.67E-06 1.80E-06

7.12E+02 0.00E+00 7.23E-07 1.92E-07 8.96E-08 5.43E-07 6.15E-07 6.51E-07 6.99E-07

7.53E+02      0.00E+00    2.69E-07    6.90E-08    2.88E-08    2.02E-07    2.27E-07    2.41E-07    2.59E-07

7.97E+02 0.00E+00 9.46E-08 2.34E-08 8.83E-09 7.00E-08 7.93E-08 8.39E-08 9.09E-08



8.44E+02 0.00E+00 3.13E-08 7.46E-09 2.50E-09 2.26E-08 2.59E-08 2.76E-08 3.00E-08

8.93E+02 0.00E+00 9.70E-09 2.22E-09 6.55E-10 6.89E-09 7.92E-09 8.78E-09 9.14E-09

9.45E+02 0.00E+00 2.81E-09 6.15E-10 1.54E-10 1.94E-09 2.26E-09 2.55E-09 2.67E-09

1.00E+03 0.00E+00 7.50E-10 1.59E-10 3.48E-11 5.04E-10 5.99E-10 6.84E-10 7.15E-10





Summary of dose at graphical times, reptition 2								
Time	Dose statistics at graphical times, mrem/yr							
Years	Minimum	Maximum	Mean	Median	90%	95%	97.5%	99%
0.00E+00	1.39E-01	2.64E+02	2.25E+01	1.36E+01	4.82E+01	7.69E+01	1.12E+02	1.50E+02
1.00E+00	1.35E-01	2.22E+02	2.13E+01	1.33E+01	4.63E+01	7.24E+01	1.03E+02	1.38E+02
1.06E+00	1.35E-01	2.20E+02	2.12E+01	1.33E+01	4.62E+01	7.22E+01	1.02E+02	1.37E+02
1.12E+00	1.35E-01	2.18E+02	2.12E+01	1.33E+01	4.60E+01	7.19E+01	1.02E+02	1.36E+02
1.19E+00	1.35E-01	2.15E+02	2.11E+01	1.32E+01	4.59E+01	7.16E+01	1.01E+02	1.35E+02
1.25E+00	1.35E-01	2.13E+02	2.10E+01	1.32E+01	4.58E+01	7.13E+01	1.01E+02	1.35E+02
1.33E+00	1.34E-01	2.10E+02	2.10E+01	1.32E+01	4.57E+01	7.10E+01	9.99E+01	1.34E+02
1.40E+00	1.34E-01	2.07E+02	2.09E+01	1.32E+01	4.55E+01	7.07E+01	9.93E+01	1.33E+02
1.49E+00	1.34E-01	2.04E+02	2.08E+01	1.32E+01	4.54E+01	7.03E+01	9.85E+01	1.32E+02
1.57E+00	1.34E-01	2.01E+02	2.07E+01	1.31E+01	4.52E+01	7.00E+01	9.78E+01	1.31E+02
1.66E+00	1.33E-01	1.98E+02	2.06E+01	1.31E+01	4.50E+01	6.96E+01	9.70E+01	1.30E+02
1.76E+00	1.33E-01	1.95E+02	2.05E+01	1.31E+01	4.48E+01	6.92E+01	9.62E+01	1.29E+02
1.86E+00	1.33E-01	1.91E+02	2.04E+01	1.30E+01	4.46E+01	6.87E+01	9.53E+01	1.28E+02
1.97E+00	1.32E-01	1.88E+02	2.03E+01	1.30E+01	4.44E+01	6.83E+01	9.44E+01	1.26E+02
2.09E+00	1.32E-01	1.84E+02	2.02E+01	1.30E+01	4.42E+01	6.78E+01	9.34E+01	1.25E+02
2.21E+00	1.32E-01	1.80E+02	2.00E+01	1.29E+01	4.39E+01	6.73E+01	9.24E+01	1.24E+02
2.34E+00	1.31E-01	1.76E+02	1.99E+01	1.29E+01	4.36E+01	6.68E+01	9.11E+01	1.22E+02
2.47E+00	1.31E-01	1.72E+02	1.98E+01	1.29E+01	4.32E+01	6.63E+01	8.98E+01	1.19E+02
2.62E+00	1.30E-01	1.68E+02	1.96E+01	1.29E+01	4.28E+01	6.57E+01	8.83E+01	1.15E+02
2.77E+00	1.30E-01	1.64E+02	1.95E+01	1.28E+01	4.24E+01	6.51E+01	8.68E+01	1.13E+02
2.93E+00	1.29E-01	1.59E+02	1.93E+01	1.28E+01	4.20E+01	6.45E+01	8.53E+01	1.11E+02
3.00E+00	1.29E-01	1.57E+02	1.93E+01	1.27E+01	4.18E+01	6.42E+01	8.47E+01	1.10E+02
3.10E+00	1.29E-01	1.54E+02	1.92E+01	1.27E+01	4.16E+01	6.38E+01	8.37E+01	1.09E+02
3.28E+00	1.28E-01	1.50E+02	1.90E+01	1.27E+01	4.11E+01	6.31E+01	8.20E+01	1.07E+02
3.48E+00	1.28E-01	1.45E+02	1.88E+01	1.26E+01	4.07E+01	6.23E+01	8.05E+01	1.05E+02
3.68E+00	1.27E-01	1.40E+02	1.86E+01	1.25E+01	4.03E+01	6.13E+01	7.93E+01	1.03E+02
3.89E+00	1.26E-01	1.35E+02	1.84E+01	1.25E+01	4.00E+01	6.04E+01	7.80E+01	1.01E+02
4.12E+00	1.26E-01	1.30E+02	1.82E+01	1.24E+01	3.96E+01	5.94E+01	7.67E+01	9.84E+01
4.36E+00	1.25E-01	1.24E+02	1.80E+01	1.23E+01	3.92E+01	5.83E+01	7.53E+01	9.61E+01
4.61E+00	1.24E-01	1.19E+02	1.78E+01	1.22E+01	3.87E+01	5.72E+01	7.37E+01	9.36E+01
4.88E+00	1.24E-01	1.16E+02	1.76E+01	1.22E+01	3.82E+01	5.61E+01	7.07E+01	9.11E+01
5.17E+00	1.23E-01	1.13E+02	1.74E+01	1.21E+01	3.77E+01	5.50E+01	6.87E+01	8.86E+01
5.47E+00	1.22E-01	1.10E+02	1.71E+01	1.20E+01	3.71E+01	5.37E+01	6.72E+01	8.59E+01
5.78E+00	1.21E-01	1.07E+02	1.69E+01	1.19E+01	3.65E+01	5.24E+01	6.58E+01	8.32E+01
6.12E+00	1.20E-01	1.04E+02	1.66E+01	1.18E+01	3.58E+01	5.14E+01	6.44E+01	8.04E+01
6.48E+00	1.19E-01	1.00E+02	1.63E+01	1.17E+01	3.52E+01	5.01E+01	6.23E+01	7.76E+01
6.86E+00	1.18E-01	9.70E+01	1.61E+01	1.16E+01	3.44E+01	4.84E+01	5.96E+01	7.47E+01
7.26E+00	1.17E-01	9.37E+01	1.58E+01	1.15E+01	3.37E+01	4.75E+01	5.72E+01	7.18E+01
7.68E+00	1.16E-01	9.02E+01	1.55E+01	1.14E+01	3.29E+01	4.59E+01	5.47E+01	6.88E+01
8.13E+00	1.14E-01	8.67E+01	1.52E+01	1.13E+01	3.21E+01	4.39E+01	5.25E+01	6.48E+01
8.60E+00	1.13E-01	8.32E+01	1.49E+01	1.11E+01	3.13E+01	4.24E+01	5.03E+01	5.97E+01
9.10E+00	1.12E-01	7.96E+01	1.45E+01	1.10E+01	3.01E+01	4.08E+01	4.84E+01	5.78E+01
9.63E+00	1.10E-01	7.59E+01	1.42E+01	1.08E+01	2.94E+01	3.92E+01	4.65E+01	5.61E+01
1.00E+01	1.09E-01	7.35E+01	1.40E+01	1.08E+01	2.90E+01	3.81E+01	4.53E+01	5.46E+01
1.02E+01	1.09E-01	7.23E+01	1.39E+01	1.07E+01	2.88E+01	3.76E+01	4.48E+01	5.35E+01
1.08E+01	1.07E-01	6.86E+01	1.36E+01	1.06E+01	2.81E+01	3.60E+01	4.30E+01	5.05E+01
1.14E+01	1.06E-01	6.49E+01	1.32E+01	1.04E+01	2.74E+01	3.43E+01	4.11E+01	4.74E+01
1.21E+01	1.04E-01	6.12E+01	1.28E+01	1.02E+01	2.61E+01	3.26E+01	3.98E+01	4.57E+01
1.28E+01	1.02E-01	5.75E+01	1.25E+01	1.01E+01	2.51E+01	3.04E+01	3.84E+01	4.38E+01
1.35E+01	1.00E-01	5.38E+01	1.21E+01	9.92E+00	2.42E+01	2.92E+01	3.64E+01	4.20E+01
1.43E+01	9.86E-02	5.02E+01	1.17E+01	9.71E+00	2.31E+01	2.81E+01	3.42E+01	4.01E+01
1.51E+01	9.67E-02	4.66E+01	1.14E+01	9.50E+00	2.20E+01	2.69E+01	3.22E+01	3.83E+01
1.60E+01	9.46E-02	4.31E+01	1.10E+01	9.30E+00	2.11E+01	2.55E+01	2.98E+01	3.64E+01
1.70E+01	9.26E-02	3.97E+01	1.06E+01	9.10E+00	2.02E+01	2.41E+01	2.78E+01	3.43E+01
1.80E+01	9.04E-02	3.64E+01	1.02E+01	8.87E+00	1.95E+01	2.27E+01	2.64E+01	3.20E+01
1.90E+01	8.82E-02	3.32E+01	9.80E+00	8.64E+00	1.87E+01	2.15E+01	2.50E+01	3.05E+01

2.01E+01 8.59E-02 3.02E+01 9.41E+00 8.40E+00 1.75E+01 2.03E+01 2.36E+01 2.88E+01



2.13E+01 8.35E-02 2.82E+01 9.01E+00 8.15E+00 1.66E+01 1.90E+01 2.22E+01 2.69E+01

2.25E+01 8.11E-02 2.68E+01 8.61E+00 7.91E+00 1.56E+01 1.79E+01 2.07E+01 2.44E+01

2.38E+01 7.86E-02 2.56E+01 8.22E+00 7.62E+00 1.47E+01 1.69E+01 1.90E+01 2.26E+01

2.52E+01 7.60E-02 2.43E+01 7.82E+00 7.35E+00 1.34E+01 1.60E+01 1.79E+01 2.08E+01

2.67E+01 7.34E-02 2.29E+01 7.43E+00 7.09E+00 1.26E+01 1.50E+01 1.65E+01 1.90E+01

2.82E+01 7.07E-02 2.15E+01 7.04E+00 6.82E+00 1.18E+01 1.40E+01 1.52E+01 1.74E+01

2.99E+01 6.80E-02 2.02E+01 6.65E+00 6.52E+00 1.10E+01 1.28E+01 1.40E+01 1.57E+01

3.00E+01 6.78E-02 2.01E+01 6.62E+00 6.51E+00 1.10E+01 1.27E+01 1.39E+01 1.57E+01



3.16E+01 6.52E-02 1.88E+01 6.27E+00 6.23E+00 1.03E+01 1.19E+01 1.30E+01 1.46E+01

3.35E+01 6.24E-02 1.75E+01 5.89E+00 5.93E+00 9.74E+00 1.11E+01 1.22E+01 1.33E+01

3.54E+01 5.96E-02 1.61E+01 5.53E+00 5.62E+00 9.13E+00 1.02E+01 1.13E+01 1.22E+01

3.75E+01 5.67E-02 1.49E+01 5.17E+00 5.32E+00 8.30E+00 9.43E+00 1.03E+01 1.10E+01

3.97E+01 3.92E-02 1.36E+01 4.82E+00 4.99E+00 7.65E+00 8.71E+00 9.47E+00 1.01E+01

4.20E+01 2.38E-02 1.24E+01 4.47E+00 4.69E+00 6.98E+00 7.97E+00 8.68E+00 9.24E+00

4.44E+01 1.41E-02 1.13E+01 4.14E+00 4.42E+00 6.43E+00 7.24E+00 7.95E+00 8.41E+00

4.70E+01 8.05E-03 1.02E+01 3.82E+00 4.11E+00 5.91E+00 6.63E+00 7.22E+00 7.71E+00



4.97E+01 4.46E-03 9.10E+00 3.51E+00 3.81E+00 5.43E+00 6.01E+00 6.57E+00 7.03E+00

5.26E+01 2.39E-03 8.11E+00 3.22E+00 3.52E+00 4.97E+00 5.44E+00 5.90E+00 6.38E+00

5.57E+01 1.23E-03 7.17E+00 2.93E+00 3.22E+00 4.53E+00 4.89E+00 5.31E+00 5.75E+00

5.90E+01 6.12E-04 6.30E+00 2.66E+00 2.95E+00 4.08E+00 4.40E+00 4.76E+00 5.13E+00

6.24E+01 2.92E-04 5.49E+00 2.40E+00 2.67E+00 3.65E+00 3.97E+00 4.26E+00 4.57E+00

6.60E+01 1.33E-04 4.75E+00 2.16E+00 2.43E+00 3.26E+00 3.59E+00 3.79E+00 4.07E+00

6.99E+01 0.00E+00 4.07E+00 1.93E+00 2.20E+00 2.91E+00 3.19E+00 3.39E+00 3.59E+00

7.39E+01 0.00E+00 3.48E+00 1.72E+00 1.97E+00 2.59E+00 2.86E+00 3.02E+00 3.15E+00



7.82E+01 0.00E+00 3.10E+00 1.52E+00 1.75E+00 2.29E+00 2.49E+00 2.69E+00 2.78E+00

8.28E+01 0.00E+00 2.75E+00 1.34E+00 1.53E+00 2.01E+00 2.19E+00 2.35E+00 2.45E+00

8.76E+01 0.00E+00 2.42E+00 1.17E+00 1.34E+00 1.76E+00 1.91E+00 2.05E+00 2.16E+00

9.27E+01 0.00E+00 2.11E+00 1.02E+00 1.16E+00 1.54E+00 1.64E+00 1.80E+00 1.90E+00

9.81E+01 0.00E+00 1.82E+00 8.77E-01 1.01E+00 1.34E+00 1.42E+00 1.56E+00 1.66E+00

1.00E+02 0.00E+00 1.73E+00 8.34E-01 9.67E-01 1.27E+00 1.36E+00 1.49E+00 1.57E+00

1.04E+02 0.00E+00 1.56E+00 7.51E-01 8.75E-01 1.15E+00 1.24E+00 1.34E+00 1.42E+00

1.10E+02 0.00E+00 1.33E+00 6.38E-01 7.39E-01 9.95E-01 1.07E+00 1.14E+00 1.23E+00



1.16E+02 0.00E+00 1.12E+00 5.38E-01 6.22E-01 8.50E-01 9.17E-01 9.75E-01 1.05E+00

1.23E+02 0.00E+00 9.35E-01 4.49E-01 5.13E-01 7.20E-01 7.79E-01 8.30E-01 8.95E-01

1.30E+02      0.00E+00    7.71E-01    3.72E-01    4.18E-01    6.04E-01    6.54E-01    6.88E-01    7.51E-01

1.38E+02 0.00E+00 6.30E-01 3.05E-01 3.44E-01 5.05E-01 5.45E-01 5.71E-01 6.22E-01

1.46E+02 0.00E+00 5.20E-01 2.48E-01 2.79E-01 4.19E-01 4.49E-01 4.71E-01 5.10E-01

1.54E+02 0.00E+00 4.25E-01 1.99E-01 2.23E-01 3.44E-01 3.64E-01 3.85E-01 4.13E-01

1.63E+02 0.00E+00 3.43E-01 1.58E-01 1.74E-01 2.78E-01 2.95E-01 3.13E-01 3.30E-01

1.73E+02      0.00E+00    2.73E-01    1.24E-01    1.38E-01    2.22E-01    2.37E-01    2.50E-01    2.61E-01



1.83E+02 0.00E+00 2.15E-01 9.60E-02 1.06E-01 1.75E-01 1.87E-01 1.99E-01 2.08E-01

1.94E+02 0.00E+00 1.67E-01 7.33E-02 8.01E-02 1.35E-01 1.45E-01 1.55E-01 1.62E-01

2.05E+02 0.00E+00 1.28E-01 5.52E-02 5.88E-02 1.04E-01 1.11E-01 1.18E-01 1.24E-01

2.17E+02 0.00E+00 9.60E-02 4.09E-02 4.25E-02 7.80E-02 8.32E-02 8.93E-02 9.29E-02

2.29E+02      0.00E+00    7.10E-02    2.98E-02    3.06E-02    5.77E-02    6.20E-02    6.64E-02    6.92E-02

2.43E+02 0.00E+00 5.17E-02 2.13E-02 2.17E-02 4.23E-02 4.55E-02 4.84E-02 5.03E-02

2.57E+02 0.00E+00 3.69E-02 1.50E-02 1.49E-02 3.02E-02 3.26E-02 3.46E-02 3.58E-02

2.72E+02 0.00E+00 2.58E-02 1.03E-02 1.00E-02 2.10E-02 2.32E-02 2.41E-02 2.50E-02



2.88E+02 0.00E+00 1.77E-02 6.93E-03 6.52E-03 1.45E-02 1.58E-02 1.65E-02 1.71E-02

3.00E+02 0.00E+00 1.32E-02 5.11E-03 4.70E-03 1.09E-02 1.19E-02 1.24E-02 1.27E-02

3.05E+02 0.00E+00 1.19E-02 4.57E-03 4.16E-03 9.79E-03 1.07E-02 1.11E-02 1.14E-02

3.22E+02 0.00E+00 7.78E-03 2.93E-03 2.61E-03 6.35E-03 7.04E-03 7.33E-03 7.57E-03

3.41E+02 0.00E+00 4.97E-03 1.84E-03 1.61E-03 4.07E-03 4.47E-03 4.70E-03 4.85E-03

3.61E+02 0.00E+00 3.10E-03 1.12E-03 9.70E-04 2.52E-03 2.77E-03 2.90E-03 3.01E-03

3.82E+02 0.00E+00 1.88E-03 6.64E-04 5.54E-04 1.51E-03 1.68E-03 1.77E-03 1.82E-03

4.04E+02 0.00E+00 1.11E-03 3.81E-04 3.13E-04 8.83E-04 9.88E-04 1.04E-03 1.07E-03



4.28E+02 0.00E+00 6.31E-04 2.12E-04 1.67E-04 5.01E-04 5.66E-04 5.92E-04 6.10E-04

4.53E+02 0.00E+00 3.48E-04 1.14E-04 8.62E-05 2.75E-04 3.13E-04 3.26E-04 3.36E-04

4.79E+02 0.00E+00 1.86E-04 5.93E-05 4.28E-05 1.48E-04 1.67E-04 1.74E-04 1.79E-04

5.07E+02    0.00E+00    9.56E-05    2.97E-05    2.03E-05    7.49E-05    8.46E-05    8.94E-05    9.36E-05

5.36E+02      0.00E+00    4.73E-05    1.43E-05    9.24E-06    3.65E-05    4.20E-05    4.40E-05    4.63E-05

5.68E+02 0.00E+00 2.24E-05 6.61E-06 4.09E-06 1.72E-05 1.98E-05 2.10E-05 2.20E-05

6.01E+02 0.00E+00 1.02E-05 2.92E-06 1.68E-06 7.71E-06 8.99E-06 9.64E-06 9.97E-06

6.36E+02 0.00E+00 4.43E-06 1.23E-06 6.55E-07 3.34E-06 3.89E-06 4.18E-06 4.32E-06



6.73E+02 0.00E+00 1.83E-06 4.94E-07 2.44E-07 1.38E-06 1.61E-06 1.71E-06 1.79E-06

7.12E+02 0.00E+00 7.19E-07 1.88E-07 9.03E-08 5.34E-07 6.16E-07 6.67E-07 7.05E-07

7.53E+02      0.00E+00    2.68E-07    6.77E-08    3.00E-08    1.97E-07    2.27E-07    2.47E-07    2.62E-07

7.97E+02 0.00E+00 9.41E-08 2.30E-08 9.15E-09 6.87E-08 7.89E-08 8.62E-08 9.14E-08

8.44E+02 0.00E+00 3.11E-08 7.30E-09 2.60E-09 2.26E-08 2.63E-08 2.84E-08 3.02E-08

8.93E+02 0.00E+00 9.64E-09 2.18E-09 6.78E-10 6.86E-09 8.06E-09 8.76E-09 9.33E-09

9.45E+02 0.00E+00 2.79E-09 6.05E-10 1.65E-10 1.95E-09 2.32E-09 2.52E-09 2.69E-09

1.00E+03 0.00E+00 7.51E-10 1.56E-10 3.71E-11 5.20E-10 6.25E-10 6.70E-10 7.23E-10







Summary of dose at graphical times, reptition 3								
Time	Dose statistics at graphical times, mrem/yr							
Years	Minimum	Maximum	Mean	Median	90%	95%	97.5%	99%
0.00E+00	7.02E-02	2.41E+02	2.25E+01	1.38E+01	4.70E+01	7.28E+01	1.11E+02	1.71E+02
1.00E+00	6.86E-02	2.01E+02	2.13E+01	1.36E+01	4.49E+01	6.87E+01	1.02E+02	1.52E+02
1.06E+00	6.85E-02	1.98E+02	2.12E+01	1.36E+01	4.48E+01	6.85E+01	1.02E+02	1.51E+02
1.12E+00	6.84E-02	1.96E+02	2.12E+01	1.35E+01	4.46E+01	6.82E+01	1.01E+02	1.50E+02
1.19E+00	6.83E-02	1.94E+02	2.11E+01	1.35E+01	4.45E+01	6.79E+01	1.01E+02	1.49E+02
1.25E+00	6.82E-02	1.91E+02	2.10E+01	1.35E+01	4.43E+01	6.75E+01	1.00E+02	1.48E+02
1.33E+00	6.80E-02	1.89E+02	2.09E+01	1.35E+01	4.42E+01	6.71E+01	9.99E+01	1.46E+02
1.40E+00	6.79E-02	1.86E+02	2.08E+01	1.35E+01	4.40E+01	6.67E+01	9.93E+01	1.45E+02
1.49E+00	6.78E-02	1.83E+02	2.08E+01	1.34E+01	4.38E+01	6.63E+01	9.87E+01	1.43E+02
1.57E+00	6.76E-02	1.81E+02	2.07E+01	1.34E+01	4.36E+01	6.58E+01	9.80E+01	1.40E+02
1.66E+00	6.75E-02	1.77E+02	2.06E+01	1.34E+01	4.35E+01	6.54E+01	9.73E+01	1.37E+02
1.76E+00	6.73E-02	1.74E+02	2.05E+01	1.34E+01	4.32E+01	6.49E+01	9.66E+01	1.36E+02
1.86E+00	6.72E-02	1.71E+02	2.04E+01	1.33E+01	4.30E+01	6.44E+01	9.59E+01	1.34E+02
1.97E+00	6.70E-02	1.68E+02	2.02E+01	1.33E+01	4.28E+01	6.38E+01	9.51E+01	1.32E+02
2.09E+00	6.68E-02	1.64E+02	2.01E+01	1.32E+01	4.26E+01	6.34E+01	9.42E+01	1.30E+02
2.21E+00	6.66E-02	1.61E+02	2.00E+01	1.32E+01	4.23E+01	6.30E+01	9.34E+01	1.28E+02
2.34E+00	6.64E-02	1.57E+02	1.99E+01	1.32E+01	4.20E+01	6.26E+01	9.25E+01	1.26E+02
2.47E+00	6.62E-02	1.54E+02	1.97E+01	1.31E+01	4.18E+01	6.22E+01	9.15E+01	1.24E+02
2.62E+00	6.60E-02	1.51E+02	1.96E+01	1.31E+01	4.15E+01	6.17E+01	9.05E+01	1.22E+02
2.77E+00	6.57E-02	1.49E+02	1.94E+01	1.30E+01	4.12E+01	6.12E+01	8.95E+01	1.20E+02
2.93E+00	6.55E-02	1.46E+02	1.93E+01	1.30E+01	4.08E+01	6.07E+01	8.84E+01	1.17E+02
3.00E+00	6.54E-02	1.45E+02	1.92E+01	1.30E+01	4.07E+01	6.05E+01	8.79E+01	1.16E+02
3.10E+00	6.52E-02	1.43E+02	1.91E+01	1.29E+01	4.05E+01	6.02E+01	8.72E+01	1.15E+02
3.28E+00	6.49E-02	1.40E+02	1.90E+01	1.29E+01	4.01E+01	5.97E+01	8.60E+01	1.12E+02
3.48E+00	6.46E-02	1.37E+02	1.88E+01	1.28E+01	3.98E+01	5.91E+01	8.48E+01	1.10E+02
3.68E+00	6.43E-02	1.34E+02	1.86E+01	1.28E+01	3.94E+01	5.85E+01	8.35E+01	1.08E+02
3.89E+00	6.40E-02	1.31E+02	1.84E+01	1.27E+01	3.90E+01	5.79E+01	8.21E+01	1.06E+02
4.12E+00	6.37E-02	1.27E+02	1.82E+01	1.26E+01	3.85E+01	5.73E+01	7.95E+01	1.04E+02
4.36E+00	6.33E-02	1.24E+02	1.80E+01	1.25E+01	3.81E+01	5.65E+01	7.65E+01	1.02E+02
4.61E+00	6.29E-02	1.20E+02	1.78E+01	1.25E+01	3.76E+01	5.54E+01	7.40E+01	9.92E+01
4.88E+00	6.25E-02	1.17E+02	1.75E+01	1.24E+01	3.71E+01	5.42E+01	7.26E+01	9.60E+01
5.17E+00	6.21E-02	1.13E+02	1.73E+01	1.23E+01	3.65E+01	5.30E+01	7.10E+01	9.26E+01
5.47E+00	6.16E-02	1.09E+02	1.71E+01	1.23E+01	3.60E+01	5.18E+01	6.93E+01	8.82E+01
5.78E+00	6.12E-02	1.05E+02	1.68E+01	1.21E+01	3.54E+01	5.05E+01	6.73E+01	8.37E+01
6.12E+00	6.07E-02	1.01E+02	1.66E+01	1.20E+01	3.48E+01	4.91E+01	6.52E+01	8.14E+01
6.48E+00	6.02E-02	9.71E+01	1.63E+01	1.20E+01	3.42E+01	4.72E+01	6.30E+01	7.84E+01
6.86E+00	5.96E-02	9.30E+01	1.60E+01	1.19E+01	3.36E+01	4.61E+01	6.05E+01	7.48E+01
7.26E+00	5.91E-02	8.88E+01	1.57E+01	1.17E+01	3.29E+01	4.49E+01	5.83E+01	7.11E+01
7.68E+00	5.85E-02	8.46E+01	1.54E+01	1.16E+01	3.23E+01	4.38E+01	5.60E+01	6.74E+01
8.13E+00	5.79E-02	8.04E+01	1.51E+01	1.15E+01	3.17E+01	4.25E+01	5.36E+01	6.37E+01
8.60E+00	5.72E-02	7.61E+01	1.48E+01	1.13E+01	3.08E+01	4.13E+01	5.04E+01	6.12E+01
9.10E+00	5.65E-02	7.19E+01	1.45E+01	1.12E+01	3.00E+01	4.00E+01	4.84E+01	5.86E+01
9.63E+00	5.58E-02	6.76E+01	1.42E+01	1.10E+01	2.92E+01	3.80E+01	4.65E+01	5.51E+01
1.00E+01	5.53E-02	6.48E+01	1.39E+01	1.09E+01	2.87E+01	3.69E+01	4.52E+01	5.27E+01
1.02E+01	5.51E-02	6.34E+01	1.38E+01	1.09E+01	2.85E+01	3.65E+01	4.44E+01	5.15E+01
1.08E+01	5.43E-02	5.92E+01	1.35E+01	1.07E+01	2.76E+01	3.46E+01	4.21E+01	4.92E+01
1.14E+01	5.35E-02	5.51E+01	1.31E+01	1.05E+01	2.68E+01	3.30E+01	4.03E+01	4.73E+01
1.21E+01	5.27E-02	5.10E+01	1.28E+01	1.03E+01	2.60E+01	3.21E+01	3.79E+01	4.54E+01
1.28E+01	5.18E-02	4.78E+01	1.24E+01	1.02E+01	2.50E+01	3.06E+01	3.52E+01	4.35E+01
1.35E+01	5.09E-02	4.50E+01	1.20E+01	9.96E+00	2.41E+01	2.93E+01	3.35E+01	4.16E+01
1.43E+01	4.99E-02	4.25E+01	1.16E+01	9.76E+00	2.31E+01	2.80E+01	3.15E+01	3.95E+01
1.51E+01	4.89E-02	4.03E+01	1.13E+01	9.55E+00	2.20E+01	2.61E+01	2.89E+01	3.59E+01
1.60E+01	4.79E-02	3.80E+01	1.09E+01	9.34E+00	2.10E+01	2.42E+01	2.74E+01	3.41E+01
1.70E+01	4.69E-02	3.58E+01	1.05E+01	9.13E+00	2.01E+01	2.30E+01	2.58E+01	3.14E+01
1.80E+01	4.58E-02	3.36E+01	1.01E+01	8.90E+00	1.91E+01	2.14E+01	2.41E+01	2.91E+01
1.90E+01	4.46E-02	3.15E+01	9.70E+00	8.65E+00	1.80E+01	2.05E+01	2.28E+01	2.77E+01

2.01E+01 4.35E-02 2.93E+01 9.31E+00 8.37E+00 1.69E+01 1.94E+01 2.12E+01 2.62E+01

2.13E+01 4.23E-02 2.72E+01 8.91E+00 8.13E+00 1.59E+01 1.83E+01 1.99E+01 2.42E+01

2.25E+01 4.11E-02 2.51E+01 8.52E+00 7.89E+00 1.47E+01 1.71E+01 1.87E+01 2.20E+01

2.38E+01 3.98E-02 2.31E+01 8.12E+00 7.64E+00 1.37E+01 1.61E+01 1.74E+01 2.07E+01

2.52E+01 3.85E-02 2.11E+01 7.73E+00 7.34E+00 1.29E+01 1.50E+01 1.63E+01 1.94E+01



2.67E+01 3.72E-02 1.92E+01 7.34E+00 7.07E+00 1.21E+01 1.38E+01 1.55E+01 1.81E+01

2.82E+01 3.58E-02 1.76E+01 6.96E+00 6.75E+00 1.12E+01 1.28E+01 1.44E+01 1.68E+01

2.99E+01 3.44E-02 1.62E+01 6.58E+00 6.48E+00 1.05E+01 1.20E+01 1.35E+01 1.56E+01

3.00E+01 3.43E-02 1.61E+01 6.55E+00 6.46E+00 1.05E+01 1.19E+01 1.35E+01 1.55E+01

3.16E+01 3.30E-02 1.49E+01 6.20E+00 6.20E+00 9.76E+00 1.11E+01 1.27E+01 1.43E+01

3.35E+01 3.16E-02 1.36E+01 5.83E+00 5.91E+00 9.14E+00 1.04E+01 1.19E+01 1.32E+01

3.54E+01 3.02E-02 1.25E+01 5.47E+00 5.61E+00 8.51E+00 9.56E+00 1.10E+01 1.19E+01

3.75E+01 2.87E-02 1.15E+01 5.11E+00 5.31E+00 7.85E+00 8.81E+00 1.01E+01 1.09E+01



3.97E+01 2.73E-02 1.05E+01 4.77E+00 5.00E+00 7.34E+00 8.19E+00 9.33E+00 9.95E+00

4.20E+01 1.64E-02 9.58E+00 4.43E+00 4.69E+00 6.75E+00 7.52E+00 8.45E+00 9.06E+00

4.44E+01 9.48E-03 8.68E+00 4.10E+00 4.39E+00 6.23E+00 7.01E+00 7.73E+00 8.20E+00

4.70E+01 5.31E-03 7.88E+00 3.79E+00 4.10E+00 5.70E+00 6.47E+00 7.01E+00 7.38E+00

4.97E+01 2.88E-03 7.24E+00 3.48E+00 3.76E+00 5.26E+00 5.99E+00 6.32E+00 6.70E+00

5.26E+01 1.50E-03 6.62E+00 3.19E+00 3.47E+00 4.81E+00 5.36E+00 5.72E+00 6.05E+00

5.57E+01 7.56E-04 6.02E+00 2.91E+00 3.16E+00 4.38E+00 4.82E+00 5.15E+00 5.44E+00

5.90E+01 3.65E-04 5.45E+00 2.64E+00 2.90E+00 3.98E+00 4.36E+00 4.67E+00 4.82E+00



6.24E+01 1.69E-04 4.90E+00 2.39E+00 2.62E+00 3.65E+00 3.95E+00 4.18E+00 4.29E+00

6.60E+01 7.49E-05 4.38E+00 2.15E+00 2.38E+00 3.28E+00 3.54E+00 3.74E+00 3.88E+00

6.99E+01 3.17E-05 3.89E+00 1.93E+00 2.15E+00 2.93E+00 3.19E+00 3.32E+00 3.49E+00

7.39E+01 1.27E-05 3.43E+00 1.71E+00 1.92E+00 2.61E+00 2.86E+00 2.96E+00 3.13E+00

7.82E+01 4.84E-06 3.00E+00 1.52E+00 1.71E+00 2.31E+00 2.52E+00 2.64E+00 2.77E+00

8.28E+01 1.74E-06 2.61E+00 1.34E+00 1.51E+00 2.05E+00 2.23E+00 2.34E+00 2.44E+00

8.76E+01 5.92E-07 2.25E+00 1.17E+00 1.33E+00 1.79E+00 1.94E+00 2.07E+00 2.14E+00

9.27E+01 1.89E-07 1.92E+00 1.02E+00 1.16E+00 1.56E+00 1.70E+00 1.81E+00 1.86E+00



9.81E+01 5.62E-08 1.66E+00 8.77E-01 9.99E-01 1.37E+00 1.48E+00 1.56E+00 1.62E+00

1.00E+02 3.70E-08 1.59E+00 8.34E-01 9.51E-01 1.30E+00 1.40E+00 1.48E+00 1.55E+00

1.04E+02 1.56E-08 1.45E+00 7.52E-01 8.59E-01 1.18E+00 1.26E+00 1.34E+00 1.41E+00

1.10E+02 4.03E-09 1.25E+00 6.39E-01 7.28E-01 1.02E+00 1.09E+00 1.14E+00 1.21E+00

1.16E+02 9.59E-10 1.07E+00 5.39E-01 6.18E-01 8.73E-01 9.25E-01 9.74E-01 1.03E+00

1.23E+02 2.10E-10 9.08E-01 4.51E-01 5.19E-01 7.38E-01 7.68E-01 8.27E-01 8.83E-01

1.30E+02 4.22E-11 7.61E-01 3.74E-01 4.34E-01 6.18E-01 6.48E-01 6.91E-01 7.53E-01

1.38E+02 7.70E-12 6.31E-01 3.07E-01 3.57E-01 5.13E-01 5.40E-01 5.75E-01 6.27E-01



1.46E+02 1.27E-12 5.21E-01 2.49E-01 2.86E-01 4.22E-01 4.47E-01 4.75E-01 5.16E-01

1.54E+02 1.90E-13 4.25E-01 2.00E-01 2.32E-01 3.45E-01 3.66E-01 3.87E-01 4.18E-01

1.63E+02 2.53E-14 3.43E-01 1.59E-01 1.83E-01 2.78E-01 2.96E-01 3.09E-01 3.34E-01

1.73E+02 3.00E-15 2.74E-01 1.25E-01 1.44E-01 2.20E-01 2.37E-01 2.48E-01 2.64E-01

1.83E+02      3.14E-16    2.15E-01    9.71E-02    1.11E-01    1.74E-01    1.88E-01    1.97E-01    2.07E-01

1.94E+02 2.89E-17 1.67E-01 7.43E-02 8.34E-02 1.35E-01 1.48E-01 1.56E-01 1.63E-01

2.05E+02 2.31E-18 1.28E-01 5.60E-02 6.12E-02 1.04E-01 1.14E-01 1.19E-01 1.26E-01

2.17E+02 1.59E-19 9.60E-02 4.15E-02 4.47E-02 7.93E-02 8.64E-02 8.97E-02 9.48E-02



2.29E+02 9.39E-21 7.10E-02 3.02E-02 3.17E-02 5.94E-02 6.40E-02 6.69E-02 7.01E-02

2.43E+02 4.70E-22 5.17E-02 2.16E-02 2.23E-02 4.28E-02 4.64E-02 4.94E-02 5.09E-02

2.57E+02 0.00E+00 3.69E-02 1.51E-02 1.52E-02 3.07E-02 3.35E-02 3.53E-02 3.63E-02

2.72E+02      0.00E+00    2.58E-02    1.04E-02    1.03E-02    2.15E-02    2.36E-02    2.49E-02    2.53E-02

2.88E+02 0.00E+00 1.77E-02 6.98E-03 6.67E-03 1.45E-02 1.63E-02 1.71E-02 1.75E-02

3.00E+02 0.00E+00 1.32E-02 5.14E-03 4.82E-03 1.09E-02 1.22E-02 1.27E-02 1.30E-02

3.05E+02 0.00E+00 1.19E-02 4.59E-03 4.26E-03 9.78E-03 1.10E-02 1.14E-02 1.17E-02

3.22E+02 0.00E+00 7.77E-03 2.95E-03 2.63E-03 6.31E-03 7.21E-03 7.47E-03 7.67E-03



3.41E+02 0.00E+00 4.97E-03 1.85E-03 1.60E-03 3.98E-03 4.57E-03 4.77E-03 4.90E-03

3.61E+02 0.00E+00 3.09E-03 1.13E-03 9.62E-04 2.48E-03 2.83E-03 2.97E-03 3.05E-03

3.82E+02 0.00E+00 1.87E-03 6.68E-04 5.55E-04 1.50E-03 1.70E-03 1.80E-03 1.84E-03

4.04E+02 0.00E+00 1.10E-03 3.85E-04 3.17E-04 8.85E-04 9.95E-04 1.06E-03 1.08E-03

4.28E+02 0.00E+00 6.29E-04 2.15E-04 1.67E-04 5.04E-04 5.66E-04 6.01E-04 6.17E-04

4.53E+02 0.00E+00 3.47E-04 1.16E-04 8.43E-05 2.80E-04 3.12E-04 3.31E-04 3.40E-04

4.79E+02 0.00E+00 1.85E-04 6.00E-05 4.25E-05 1.48E-04 1.66E-04 1.75E-04 1.81E-04

5.07E+02 0.00E+00 9.53E-05 3.01E-05 2.09E-05 7.60E-05 8.58E-05 8.97E-05 9.31E-05



5.36E+02      0.00E+00    4.71E-05    1.45E-05    9.57E-06    3.72E-05    4.19E-05    4.42E-05    4.62E-05

5.68E+02 0.00E+00 2.24E-05 6.69E-06 4.29E-06 1.76E-05 1.95E-05 2.10E-05 2.19E-05

6.01E+02 0.00E+00 1.02E-05 2.96E-06 1.83E-06 8.04E-06 8.93E-06 9.49E-06 9.94E-06

6.36E+02 0.00E+00 4.42E-06 1.25E-06 7.39E-07 3.46E-06 3.85E-06 4.10E-06 4.31E-06

6.73E+02 0.00E+00 1.83E-06 5.00E-07 2.71E-07 1.41E-06 1.59E-06 1.69E-06 1.78E-06

7.12E+02 0.00E+00 7.18E-07 1.90E-07 9.71E-08 5.52E-07 6.18E-07 6.60E-07 6.98E-07

7.53E+02      0.00E+00    2.67E-07    6.84E-08    3.23E-08    2.05E-07    2.28E-07    2.44E-07    2.61E-07

7.97E+02 0.00E+00 9.38E-08 2.33E-08 1.01E-08 7.12E-08 7.97E-08 8.56E-08 9.16E-08



8.44E+02 0.00E+00 3.10E-08 7.42E-09 3.01E-09 2.31E-08 2.60E-08 2.84E-08 3.02E-08

8.93E+02 0.00E+00 9.61E-09 2.20E-09 8.10E-10 6.97E-09 8.00E-09 8.78E-09 9.35E-09

9.45E+02 0.00E+00 2.78E-09 6.09E-10 2.01E-10 1.97E-09 2.29E-09 2.54E-09 2.72E-09

1.00E+03 0.00E+00 7.49E-10 1.57E-10 4.46E-11 5.18E-10 6.14E-10 6.83E-10 7.37E-10







Title : RESRAD Default Parameters  
 Input File : FCS BFM INSITU UA SR-90.RAD

## Coefficients for peak All Pathways Dose

Coefficient =	PCC	SRC	PRCC	SRRC
Repetition =	1	1	1	1
Description of Probabilistic Variable	Sig Coeff	Sig Coeff	Sig Coeff	Sig Coeff
Contaminated zone erosion rate	10 -0.02	10 -0.02	8 -0.03	8 -0.01
Contaminated zone b parameter	4 -0.06	4 -0.06	12 0.02	12 0.01
Evapotranspiration coefficient	7 -0.04	7 -0.04	5 0.05	5 0.02
Wind Speed	13 0.01	13 0.01	3 -0.06	3 -0.02
Runoff coefficient	5 -0.05	5 -0.05	15 0.01	15 0.00
b Parameter of Unsaturated zone 1	12 -0.01	12 -0.01	14 0.01	14 0.00
Mass loading for inhalation	9 -0.02	9 -0.02	7 -0.04	7 -0.01
Indoor dust filtration factor	16 0.00	16 0.00	16 0.00	16 0.00
Depth of soil mixing layer	14 0.00	14 0.00	9 0.03	9 0.01
Depth of roots	2 0.13	2 0.13	2 0.77	2 0.44
Wet weight crop yield of fruit, grain and non-leafy vegetables	6 0.04	6 0.04	6 -0.05	6 -0.02
Weathering removal constant of all vegetation	11 -0.01	11 -0.01	4 -0.06	4 -0.02
Wet foliar interception fraction of leafy vegetables	8 -0.03	8 -0.03	11 -0.02	11 -0.01
Humidity in air	3 0.09	3 0.09	13 0.01	13 0.00
Cover erosion rate	17 0.00	17 0.00	17 0.00	17 0.00
Kd of Sr-90 in Contaminated Zone	1 -0.17	1 -0.17	1 -0.91	1 -0.81
Kd of Sr-90 in Saturated Zone	15 0.00	15 0.00	10 0.03	10 0.01
R-SQUARE	0.06	0.06	0.87	0.87

-Rank is set to zero if the dose is zero or the correlation matrix is singular.

-R-SQUARE varies between 0 and 1 and is called the coefficient of determination; it provides a measure of the variation in the dependent variable (Dose) explained by regression on the independent variables.



Title : RESRAD Default Parameters  
 Input File : FCS BFM INSITU UA SR-90.RAD

Coefficients for peak All Pathways Dose

Coefficient =	PCC	SRC	PRCC	SRRC
Repetition =	2	2	2	2
Description of Probabilistic Variable	Sig Coeff	Sig Coeff	Sig Coeff	Sig Coeff
Contaminated zone erosion rate	6 -0.04	6 -0.04	15 0.00	15 0.00
Contaminated zone b parameter	11 0.03	11 0.03	10 0.06	10 0.02
Evapotranspiration coefficient	16 0.00	16 0.00	17 0.00	17 0.00
Wind Speed	5 0.05	5 0.05	12 0.03	12 0.01
Runoff coefficient	9 0.03	9 0.03	6 0.07	6 0.03
b Parameter of Unsaturated zone 1	10 -0.03	10 -0.03	13 0.01	13 0.00
Mass loading for inhalation	15 -0.01	15 -0.01	16 0.00	16 0.00
Indoor dust filtration factor	4 -0.06	4 -0.05	11 -0.05	11 -0.02
Depth of soil mixing layer	7 0.04	7 0.04	14 -0.01	14 0.00
Depth of roots	1 0.14	1 0.14	2 0.79	2 0.45
Wet weight crop yield of fruit, grain and non-leafy vegetables	13 0.02	13 0.02	5 0.09	5 0.03
Weathering removal constant of all vegetation	8 -0.04	8 -0.03	3 -0.14	3 -0.05
Wet foliar interception fraction of leafy vegetables	3 0.06	3 0.06	4 0.11	4 0.04
Humidity in air	12 -0.03	12 -0.02	9 -0.06	9 -0.02
Cover erosion rate	17 0.00	17 0.00	7 -0.07	7 -0.03
Kd of Sr-90 in Contaminated Zone	2 -0.10	2 -0.10	1 -0.92	1 -0.82
Kd of Sr-90 in Saturated Zone	14 0.02	14 0.02	8 0.07	8 0.02
R-SQUARE	0.04	0.04	0.88	0.88

-Rank is set to zero if the dose is zero or the correlation matrix is singular.

-R-SQUARE varies between 0 and 1 and is called the coefficient of determination; it provides a measure of the variation in the dependent variable (Dose) explained by regression on the independent variables.

Title : RESRAD Default Parameters  
 Input File : FCS BFM INSITU UA SR-90.RAD

## Coefficients for peak All Pathways Dose

Coefficient =	PCC		SRC		PRCC		SRRC	
Repetition =	3		3		3		3	
Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Contaminated zone erosion rate	17	0.00	17	0.00	13	0.02	13	0.01
Contaminated zone b parameter	7	0.04	7	0.04	3	0.16	3	0.06
Evapotranspiration coefficient	14	-0.01	14	-0.01	9	-0.06	9	-0.02
Wind Speed	8	-0.04	8	-0.03	15	-0.02	15	-0.01
Runoff coefficient	6	-0.05	6	-0.04	16	-0.02	16	-0.01
b Parameter of Unsaturated zone 1	15	0.01	15	0.01	14	-0.02	14	-0.01
Mass loading for inhalation	3	0.13	3	0.12	10	-0.04	10	-0.02
Indoor dust filtration factor	12	-0.02	12	-0.02	8	-0.06	8	-0.02
Depth of soil mixing layer	16	0.00	16	0.00	17	0.00	17	0.00
Depth of roots	1	0.19	1	0.19	2	0.79	2	0.44
Wet weight crop yield of fruit, grain and non-leafy vegetables	10	-0.03	10	-0.03	12	0.03	12	0.01
Weathering removal constant of all vegetation	5	-0.05	5	-0.04	7	-0.06	7	-0.02
Wet foliar interception fraction of leafy vegetables	11	0.03	11	0.03	4	0.11	4	0.04
Humidity in air	9	-0.03	9	-0.03	5	-0.11	5	-0.04
Cover erosion rate	4	0.09	4	0.09	11	0.04	11	0.01
Kd of Sr-90 in Contaminated Zone	2	-0.16	2	-0.15	1	-0.92	1	-0.82
Kd of Sr-90 in Saturated Zone	13	-0.01	13	-0.01	6	-0.10	6	-0.03
R-SQUARE		0.08		0.08		0.88		0.88

-Rank is set to zero if the dose is zero or the correlation matrix is singular.

-R-SQUARE varies between 0 and 1 and is called the coefficient of determination; it provides a measure of the variation in the dependent variable (Dose) explained by regression on the independent variables.