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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	.9937	.000076	.9983	.0001	1			
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	2.4	3.22																		
17	DCACTS(1)	LOGNORMAL-N	2.4	3.22																		
18	DWIBWT	CONTINUOUS LINEAR	6	5																0	24	.29

Probabilistic results summary : RESRAD Default Parameters

File : C:\USERS\DNF\DOCUMENTS\FT CALHOUN\RESRAD INPUT FILES\BP INSITU UA\FCS BURIED PIPE INSITU UA C-14.RAD

Probabilistic Total Dose Summary

Nuclide (j)	Peak Time	Peak Dose	DOSE(j,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
C-14										
Min	0.00E+00	2.32E-07	6.11E-09	9.10E-09	1.76E-18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	8.81E+02	1.33E-02	1.33E-02	1.16E-02	5.31E-03	1.94E-03	2.24E-03	2.06E-03	2.74E-03	1.20E-03
Avg	1.32E+01	1.23E-03	1.00E-03	9.47E-04	6.15E-04	3.49E-04	2.01E-04	1.12E-04	4.82E-05	5.63E-06
Std	6.51E+01	1.58E-03	1.30E-03	1.47E-03	7.18E-04	3.86E-04	3.01E-04	2.59E-04	1.90E-04	5.65E-05
ALL										
Min	0.00E+00	2.32E-07	6.11E-09	9.10E-09	1.76E-18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	8.81E+02	1.33E-02	1.33E-02	1.16E-02	5.31E-03	1.94E-03	2.24E-03	2.06E-03	2.74E-03	1.20E-03
Avg	1.32E+01	1.23E-03	1.00E-03	9.47E-04	6.15E-04	3.49E-04	2.01E-04	1.12E-04	4.82E-05	5.63E-06
Std	6.51E+01	1.58E-03	1.30E-03	1.47E-03	7.18E-04	3.86E-04	3.01E-04	2.59E-04	1.90E-04	5.65E-05

ALL 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
C-14									
Min		1.11E-13	1.81E-13	1.04E-21	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		3.44E-07	3.65E-07	1.65E-07	4.66E-08	6.43E-08	5.92E-08	7.87E-08	3.46E-08
Avg		3.33E-08	2.48E-08	1.71E-08	9.55E-09	5.51E-09	3.14E-09	1.36E-09	1.60E-10
Std		3.66E-08	3.65E-08	1.99E-08	1.07E-08	8.51E-09	7.42E-09	5.46E-09	1.63E-09
ALL									
Min		1.11E-13	1.81E-13	1.04E-21	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		3.44E-07	3.65E-07	1.65E-07	4.66E-08	6.43E-08	5.92E-08	7.87E-08	3.46E-08
Avg		3.33E-08	2.48E-08	1.71E-08	9.55E-09	5.51E-09	3.14E-09	1.36E-09	1.60E-10
Std		3.66E-08	3.65E-08	1.99E-08	1.07E-08	8.51E-09	7.42E-09	5.46E-09	1.63E-09

ALL 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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C-14									
Min		7.82E-29	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		7.78E-25	1.98E-21	1.28E-14	9.89E-13	2.65E-15	1.70E-15	2.64E-12	1.12E-12
Avg		3.87E-27	3.14E-24	1.47E-17	1.26E-15	1.99E-18	1.54E-18	4.92E-15	8.31E-16
Std		0.00E+00	6.76E-23	3.70E-16	3.40E-14	6.87E-17	4.54E-17	8.00E-14	2.91E-14
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ALL									
Min		7.82E-29	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		7.78E-25	1.98E-21	1.28E-14	9.89E-13	2.65E-15	1.70E-15	2.64E-12	1.12E-12
Avg		3.87E-27	3.14E-24	1.47E-17	1.26E-15	1.99E-18	1.54E-18	4.92E-15	8.31E-16
Std		0.00E+00	6.76E-23	3.70E-16	3.40E-14	6.87E-17	4.54E-17	8.00E-14	2.91E-14
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ALL 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
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C-14									
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	1.49E-15	7.20E-11	1.63E-22	0.00E+00	1.11E-09	2.29E-22
Avg		0.00E+00	0.00E+00	9.91E-19	5.84E-14	1.08E-25	0.00E+00	1.67E-12	1.53E-25
Std		0.00E+00	0.00E+00	3.84E-17	1.90E-12	4.21E-24	0.00E+00	3.28E-11	5.88E-24
ALL									
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	1.49E-15	7.20E-11	1.63E-22	0.00E+00	1.11E-09	2.29E-22
Avg		0.00E+00	0.00E+00	9.91E-19	5.84E-14	1.08E-25	0.00E+00	1.67E-12	1.53E-25
Std		0.00E+00	0.00E+00	3.84E-17	1.90E-12	4.21E-24	0.00E+00	3.28E-11	5.88E-24
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ALL 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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C-14									
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
ALL									
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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ALL 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
C-14									
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		1.45E-03	1.43E-03	1.82E-03	1.48E-03	2.08E-03	1.92E-03	2.50E-03	1.12E-03
Avg		4.09E-04	3.14E-04	2.57E-04	1.84E-04	1.30E-04	8.85E-05	4.06E-05	4.62E-06
Std		3.58E-04	3.55E-04	3.43E-04	3.04E-04	2.69E-04	2.39E-04	1.76E-04	5.24E-05
ALL									
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		1.45E-03	1.43E-03	1.82E-03	1.48E-03	2.08E-03	1.92E-03	2.50E-03	1.12E-03
Avg		4.09E-04	3.14E-04	2.57E-04	1.84E-04	1.30E-04	8.85E-05	4.06E-05	4.62E-06
Std		3.58E-04	3.55E-04	3.43E-04	3.04E-04	2.69E-04	2.39E-04	1.76E-04	5.24E-05

ALL 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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C-14									
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		5.27E-05	5.18E-05	6.60E-05	5.36E-05	7.54E-05	6.95E-05	1.22E-04	4.06E-05
Avg		1.58E-05	1.16E-05	9.41E-06	6.71E-06	4.72E-06	3.21E-06	1.55E-06	1.69E-07
Std		1.29E-05	1.29E-05	1.24E-05	1.10E-05	9.73E-06	8.65E-06	6.90E-06	1.91E-06
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ALL									
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		5.27E-05	5.18E-05	6.60E-05	5.36E-05	7.54E-05	6.95E-05	1.22E-04	4.06E-05
Avg		1.58E-05	1.16E-05	9.41E-06	6.71E-06	4.72E-06	3.21E-06	1.55E-06	1.69E-07
Std		1.29E-05	1.29E-05	1.24E-05	1.10E-05	9.73E-06	8.65E-06	6.90E-06	1.91E-06
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ALL 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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C-14									
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		5.52E-05	5.43E-05	6.90E-05	5.62E-05	7.90E-05	7.28E-05	1.12E-04	4.25E-05
Avg		1.61E-05	1.21E-05	9.82E-06	7.01E-06	4.95E-06	3.36E-06	1.58E-06	1.76E-07
Std		1.36E-05	1.35E-05	1.30E-05	1.15E-05	1.02E-05	9.06E-06	6.91E-06	1.99E-06
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ALL									
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		5.52E-05	5.43E-05	6.90E-05	5.62E-05	7.90E-05	7.28E-05	1.12E-04	4.25E-05
Avg		1.61E-05	1.21E-05	9.82E-06	7.01E-06	4.95E-06	3.36E-06	1.58E-06	1.76E-07
Std		1.36E-05	1.35E-05	1.30E-05	1.15E-05	1.02E-05	9.06E-06	6.91E-06	1.99E-06
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ALL 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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C-14									
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	2.57E-12	3.81E-07	0.00E+00	0.00E+00	1.52E-06	1.29E-18
Avg		0.00E+00	0.00E+00	1.72E-15	2.58E-10	0.00E+00	0.00E+00	2.93E-09	8.62E-22
Std		0.00E+00	0.00E+00	6.64E-14	9.84E-09	0.00E+00	0.00E+00	5.51E-08	3.34E-20
ALL									
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	2.57E-12	3.81E-07	0.00E+00	0.00E+00	1.52E-06	1.29E-18
Avg		0.00E+00	0.00E+00	1.72E-15	2.58E-10	0.00E+00	0.00E+00	2.93E-09	8.62E-22
Std		0.00E+00	0.00E+00	6.64E-14	9.84E-09	0.00E+00	0.00E+00	5.51E-08	3.34E-20
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ALL 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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C-14									
Min		1.27E-09	1.58E-09	1.20E-18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		1.10E-02	9.31E-03	4.43E-03	1.53E-03	5.57E-04	1.72E-04	5.62E-05	1.55E-05
Avg		4.52E-04	4.83E-04	2.63E-04	1.17E-04	4.70E-05	1.30E-05	3.43E-06	5.20E-07
Std		1.09E-03	1.20E-03	5.28E-04	1.94E-04	8.11E-05	2.33E-05	7.69E-06	1.68E-06
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ΣALL									
Min		1.27E-09	1.58E-09	1.20E-18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		1.10E-02	9.31E-03	4.43E-03	1.53E-03	5.57E-04	1.72E-04	5.62E-05	1.55E-05
Avg		4.52E-04	4.83E-04	2.63E-04	1.17E-04	4.70E-05	1.30E-05	3.43E-06	5.20E-07
Std		1.09E-03	1.20E-03	5.28E-04	1.94E-04	8.11E-05	2.33E-05	7.69E-06	1.68E-06
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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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C-14									
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
ALL									
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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ALL 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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C-14									
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
ALL									
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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ALL 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
C-14									
Min		2.36E-10	2.93E-10	1.32E-19	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		1.72E-03	1.72E-03	8.78E-04	3.10E-04	1.21E-04	4.74E-05	1.57E-05	3.13E-06
Avg		6.68E-05	7.88E-05	4.94E-05	2.27E-05	9.42E-06	2.68E-06	6.76E-07	9.56E-08
Std		1.47E-04	1.93E-04	1.05E-04	3.83E-05	1.63E-05	4.91E-06	1.54E-06	3.10E-07
ALL									
Min		2.36E-10	2.93E-10	1.32E-19	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		1.72E-03	1.72E-03	8.78E-04	3.10E-04	1.21E-04	4.74E-05	1.57E-05	3.13E-06
Avg		6.68E-05	7.88E-05	4.94E-05	2.27E-05	9.42E-06	2.68E-06	6.76E-07	9.56E-08
Std		1.47E-04	1.93E-04	1.05E-04	3.83E-05	1.63E-05	4.91E-06	1.54E-06	3.10E-07

ALL 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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C-14									
Min		7.31E-11	9.10E-11	3.48E-19	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		6.28E-04	5.58E-04	2.67E-04	8.90E-05	3.28E-05	1.02E-05	3.27E-06	9.04E-07
Avg		2.62E-05	2.85E-05	1.56E-05	6.89E-06	2.76E-06	7.67E-07	2.01E-07	3.05E-08
Std		6.21E-05	7.15E-05	3.15E-05	1.14E-05	4.76E-06	1.37E-06	4.51E-07	9.82E-08
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ΣALL									
Min		7.31E-11	9.10E-11	3.48E-19	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		6.28E-04	5.58E-04	2.67E-04	8.90E-05	3.28E-05	1.02E-05	3.27E-06	9.04E-07
Avg		2.62E-05	2.85E-05	1.56E-05	6.89E-06	2.76E-06	7.67E-07	2.01E-07	3.05E-08
Std		6.21E-05	7.15E-05	3.15E-05	1.14E-05	4.76E-06	1.37E-06	4.51E-07	9.82E-08
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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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C-14									
Min		4.79E-11	5.95E-11	8.15E-20	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		4.09E-04	3.54E-04	1.66E-04	5.75E-05	2.14E-05	6.63E-06	2.15E-06	5.86E-07
Avg		1.71E-05	1.84E-05	1.01E-05	4.46E-06	1.80E-06	5.00E-07	1.31E-07	1.98E-08
Std		4.09E-05	4.57E-05	2.02E-05	7.39E-06	3.09E-06	8.91E-07	2.93E-07	6.38E-08
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ΣALL									
Min		4.79E-11	5.95E-11	8.15E-20	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		4.09E-04	3.54E-04	1.66E-04	5.75E-05	2.14E-05	6.63E-06	2.15E-06	5.86E-07
Avg		1.71E-05	1.84E-05	1.01E-05	4.46E-06	1.80E-06	5.00E-07	1.31E-07	1.98E-08
Std		4.09E-05	4.57E-05	2.02E-05	7.39E-06	3.09E-06	8.91E-07	2.93E-07	6.38E-08
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ΣALL is total pathway dose summed for all nuclides.

Cumulative Probability Summary for: Total Dose Over Pathways								
Cumulative	Dose(t), mrem/yr							
Probability	t=	0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02
		0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02
0.025		2.85E-06	1.81E-06	4.13E-07	1.48E-27	0.00E+00	0.00E+00	0.00E+00
0.050		1.49E-05	4.97E-06	2.11E-06	8.67E-13	0.00E+00	0.00E+00	0.00E+00
0.075		4.77E-05	1.21E-05	4.51E-06	4.28E-08	0.00E+00	0.00E+00	0.00E+00
0.100		1.03E-04	2.32E-05	7.53E-06	4.76E-07	2.06E-25	0.00E+00	0.00E+00
0.125		1.65E-04	3.54E-05	1.26E-05	1.22E-06	1.11E-16	0.00E+00	0.00E+00
0.150		2.24E-04	5.40E-05	1.94E-05	3.30E-06	5.13E-12	0.00E+00	0.00E+00
0.175		3.00E-04	7.42E-05	2.90E-05	4.82E-06	8.36E-09	0.00E+00	0.00E+00
0.200		3.66E-04	1.00E-04	3.94E-05	7.55E-06	1.34E-07	0.00E+00	0.00E+00
0.225		4.26E-04	1.44E-04	5.73E-05	1.22E-05	5.49E-07	1.81E-28	0.00E+00
0.250		4.65E-04	1.81E-04	7.26E-05	1.87E-05	1.28E-06	2.54E-20	0.00E+00
0.275		4.85E-04	2.31E-04	8.97E-05	2.52E-05	2.69E-06	7.34E-15	0.00E+00
0.300		5.06E-04	2.98E-04	1.25E-04	3.18E-05	4.52E-06	6.07E-12	0.00E+00
0.325		5.29E-04	3.64E-04	1.61E-04	4.32E-05	6.58E-06	2.04E-09	0.00E+00
0.350		5.49E-04	4.08E-04	2.13E-04	5.99E-05	9.67E-06	6.21E-08	0.00E+00
0.375		5.75E-04	4.48E-04	2.58E-04	7.53E-05	1.36E-05	2.46E-07	0.00E+00
0.400		5.96E-04	4.71E-04	2.96E-04	9.00E-05	1.89E-05	6.09E-07	0.00E+00
0.425		6.19E-04	4.98E-04	3.46E-04	1.16E-04	2.52E-05	1.27E-06	4.26E-30
0.450		6.49E-04	5.24E-04	3.91E-04	1.45E-04	3.12E-05	2.31E-06	3.60E-21
0.475		6.77E-04	5.54E-04	4.45E-04	1.68E-04	3.94E-05	3.70E-06	7.11E-16
0.500		6.99E-04	5.80E-04	4.68E-04	1.95E-04	4.87E-05	5.01E-06	1.70E-12
0.525		7.23E-04	6.07E-04	4.98E-04	2.25E-04	5.86E-05	6.85E-06	3.82E-10
0.550		7.57E-04	6.35E-04	5.24E-04	2.70E-04	7.28E-05	9.49E-06	3.00E-08
0.575		7.82E-04	6.69E-04	5.52E-04	3.20E-04	8.76E-05	1.24E-05	2.01E-07
0.600		8.26E-04	7.11E-04	5.87E-04	3.64E-04	1.08E-04	1.70E-05	4.55E-07
0.625		8.68E-04	7.47E-04	6.19E-04	4.09E-04	1.31E-04	2.32E-05	9.81E-07
0.650		9.14E-04	7.85E-04	6.58E-04	4.50E-04	1.54E-04	2.89E-05	1.89E-06
0.675		9.62E-04	8.28E-04	6.90E-04	4.81E-04	1.78E-04	3.60E-05	2.85E-06
0.700		1.01E-03	8.92E-04	7.37E-04	5.12E-04	2.06E-04	4.40E-05	3.93E-06
0.725		1.09E-03	9.64E-04	7.92E-04	5.43E-04	2.47E-04	5.30E-05	5.30E-06
0.750		1.14E-03	1.04E-03	8.48E-04	5.77E-04	2.96E-04	6.44E-05	7.36E-06
0.775		1.21E-03	1.12E-03	9.12E-04	6.14E-04	3.52E-04	8.47E-05	9.76E-06
0.800		1.28E-03	1.20E-03	1.02E-03	6.52E-04	4.22E-04	1.18E-04	1.28E-05
0.825		1.34E-03	1.30E-03	1.10E-03	7.00E-04	4.70E-04	1.57E-04	1.78E-05
0.850		1.44E-03	1.43E-03	1.19E-03	7.47E-04	5.07E-04	2.14E-04	2.43E-05
0.875		1.53E-03	1.61E-03	1.27E-03	8.19E-04	5.67E-04	3.01E-04	3.39E-05
0.900		1.68E-03	1.97E-03	1.40E-03	9.17E-04	6.24E-04	3.95E-04	5.62E-05
0.925		2.03E-03	2.47E-03	1.53E-03	1.05E-03	7.13E-04	4.87E-04	1.15E-04
0.950		2.80E-03	3.12E-03	1.85E-03	1.14E-03	8.42E-04	6.80E-04	3.55E-04
0.975		4.64E-03	5.35E-03	2.44E-03	1.30E-03	1.07E-03	9.79E-04	6.09E-04
1.000		1.33E-02	1.16E-02	5.31E-03	1.94E-03	2.24E-03	2.06E-03	2.74E-03

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	1.05E-08	1.17E-02	1.01E-03	6.89E-04	1.73E-03	2.67E-03	4.61E-03	9.42E-03
1.00E+00	1.65E-08	1.14E-02	9.38E-04	5.92E-04	1.78E-03	3.23E-03	5.15E-03	8.60E-03
1.06E+00	1.68E-08	1.12E-02	9.29E-04	5.90E-04	1.80E-03	3.17E-03	4.97E-03	8.40E-03
1.12E+00	1.72E-08	1.10E-02	9.17E-04	5.85E-04	1.81E-03	3.22E-03	4.86E-03	8.33E-03
1.19E+00	1.76E-08	1.07E-02	9.04E-04	5.84E-04	1.82E-03	3.26E-03	4.65E-03	8.09E-03
1.25E+00	1.80E-08	1.02E-02	8.88E-04	5.85E-04	1.81E-03	3.23E-03	4.31E-03	7.82E-03
1.33E+00	1.84E-08	9.63E-03	8.70E-04	5.82E-04	1.78E-03	3.23E-03	4.16E-03	7.78E-03
1.40E+00	1.89E-08	8.91E-03	8.48E-04	5.76E-04	1.79E-03	3.16E-03	4.19E-03	7.13E-03
1.49E+00	1.93E-08	8.12E-03	8.24E-04	5.73E-04	1.69E-03	3.02E-03	4.01E-03	6.37E-03
1.57E+00	1.99E-08	7.27E-03	8.00E-04	5.68E-04	1.59E-03	2.86E-03	3.67E-03	5.64E-03
1.66E+00	2.04E-08	6.27E-03	7.73E-04	5.62E-04	1.55E-03	2.64E-03	3.69E-03	4.76E-03
1.76E+00	2.10E-08	5.68E-03	7.48E-04	5.45E-04	1.55E-03	2.46E-03	3.60E-03	4.53E-03
1.86E+00	2.16E-08	5.11E-03	7.25E-04	5.35E-04	1.55E-03	2.26E-03	3.34E-03	4.13E-03
1.97E+00	2.22E-08	4.79E-03	7.03E-04	5.31E-04	1.52E-03	2.06E-03	3.27E-03	3.97E-03
2.09E+00	1.28E-08	4.87E-03	6.82E-04	5.26E-04	1.51E-03	1.98E-03	3.26E-03	4.01E-03
2.21E+00	6.20E-10	4.95E-03	6.63E-04	5.17E-04	1.46E-03	1.97E-03	3.27E-03	3.86E-03
2.34E+00	2.52E-11	5.03E-03	6.47E-04	5.04E-04	1.46E-03	1.97E-03	2.99E-03	3.57E-03
2.47E+00	8.49E-13	5.10E-03	6.33E-04	4.94E-04	1.43E-03	1.95E-03	2.59E-03	3.53E-03
2.62E+00	2.35E-14	5.18E-03	6.22E-04	4.81E-04	1.43E-03	1.87E-03	2.41E-03	3.45E-03
2.77E+00	5.27E-16	5.25E-03	6.10E-04	4.73E-04	1.40E-03	1.86E-03	2.35E-03	3.49E-03
2.93E+00	9.49E-18	5.30E-03	5.99E-04	4.69E-04	1.38E-03	1.83E-03	2.15E-03	3.53E-03
3.00E+00	1.76E-18	5.31E-03	5.95E-04	4.62E-04	1.37E-03	1.81E-03	2.16E-03	3.54E-03
3.10E+00	1.35E-19	5.29E-03	5.89E-04	4.56E-04	1.36E-03	1.70E-03	2.15E-03	3.56E-03
3.28E+00	1.50E-21	5.16E-03	5.79E-04	4.49E-04	1.33E-03	1.68E-03	2.09E-03	3.58E-03
3.48E+00	1.29E-23	4.91E-03	5.69E-04	4.39E-04	1.31E-03	1.67E-03	2.06E-03	3.55E-03
3.68E+00	8.33E-26	4.72E-03	5.60E-04	4.32E-04	1.30E-03	1.57E-03	2.07E-03	3.31E-03
3.89E+00	4.03E-28	4.60E-03	5.49E-04	4.14E-04	1.27E-03	1.53E-03	2.06E-03	3.24E-03
4.12E+00	0.00E+00	4.40E-03	5.37E-04	4.05E-04	1.25E-03	1.52E-03	2.07E-03	2.95E-03
4.36E+00	0.00E+00	4.05E-03	5.25E-04	3.90E-04	1.23E-03	1.51E-03	2.07E-03	2.61E-03
4.61E+00	0.00E+00	4.05E-03	5.13E-04	3.75E-04	1.23E-03	1.46E-03	2.02E-03	2.32E-03
4.88E+00	0.00E+00	4.04E-03	5.00E-04	3.62E-04	1.20E-03	1.46E-03	1.92E-03	2.29E-03
5.17E+00	0.00E+00	3.87E-03	4.88E-04	3.54E-04	1.17E-03	1.40E-03	1.73E-03	2.29E-03
5.47E+00	0.00E+00	3.57E-03	4.77E-04	3.39E-04	1.16E-03	1.39E-03	1.57E-03	2.22E-03
5.78E+00	0.00E+00	3.14E-03	4.66E-04	3.27E-04	1.15E-03	1.36E-03	1.57E-03	2.22E-03
6.12E+00	0.00E+00	2.73E-03	4.55E-04	3.21E-04	1.13E-03	1.35E-03	1.55E-03	2.10E-03
6.48E+00	0.00E+00	2.36E-03	4.44E-04	3.15E-04	1.11E-03	1.33E-03	1.52E-03	2.10E-03
6.86E+00	0.00E+00	2.36E-03	4.33E-04	2.97E-04	1.09E-03	1.32E-03	1.49E-03	2.00E-03
7.26E+00	0.00E+00	2.37E-03	4.22E-04	2.85E-04	1.08E-03	1.29E-03	1.47E-03	1.89E-03
7.68E+00	0.00E+00	2.37E-03	4.12E-04	2.64E-04	1.07E-03	1.28E-03	1.46E-03	1.88E-03
8.13E+00	0.00E+00	2.38E-03	4.02E-04	2.48E-04	1.05E-03	1.26E-03	1.41E-03	1.86E-03
8.60E+00	0.00E+00	2.34E-03	3.91E-04	2.37E-04	1.02E-03	1.25E-03	1.38E-03	1.86E-03
9.10E+00	0.00E+00	2.26E-03	3.80E-04	2.22E-04	9.92E-04	1.23E-03	1.37E-03	1.85E-03
9.63E+00	0.00E+00	1.86E-03	3.66E-04	1.96E-04	9.68E-04	1.22E-03	1.37E-03	1.57E-03
1.00E+01	0.00E+00	1.87E-03	3.56E-04	1.91E-04	9.48E-04	1.18E-03	1.30E-03	1.56E-03
1.02E+01	0.00E+00	1.87E-03	3.51E-04	1.87E-04	9.34E-04	1.17E-03	1.30E-03	1.56E-03
1.08E+01	0.00E+00	1.87E-03	3.39E-04	1.68E-04	9.17E-04	1.15E-03	1.29E-03	1.54E-03
1.14E+01	0.00E+00	1.59E-03	3.29E-04	1.60E-04	9.12E-04	1.13E-03	1.28E-03	1.45E-03
1.21E+01	0.00E+00	1.57E-03	3.19E-04	1.55E-04	8.74E-04	1.12E-03	1.27E-03	1.45E-03
1.28E+01	0.00E+00	1.57E-03	3.11E-04	1.44E-04	8.52E-04	1.10E-03	1.26E-03	1.44E-03
1.35E+01	0.00E+00	1.57E-03	3.03E-04	1.31E-04	8.29E-04	1.10E-03	1.25E-03	1.44E-03
1.43E+01	0.00E+00	1.56E-03	2.95E-04	1.21E-04	8.26E-04	1.06E-03	1.24E-03	1.42E-03
1.51E+01	0.00E+00	1.56E-03	2.88E-04	1.11E-04	7.96E-04	1.05E-03	1.22E-03	1.38E-03
1.60E+01	0.00E+00	1.56E-03	2.80E-04	1.06E-04	7.81E-04	1.02E-03	1.22E-03	1.33E-03
1.70E+01	0.00E+00	1.56E-03	2.72E-04	9.86E-05	7.68E-04	9.99E-04	1.20E-03	1.32E-03
1.80E+01	0.00E+00	1.56E-03	2.65E-04	9.59E-05	7.61E-04	9.90E-04	1.20E-03	1.31E-03
1.90E+01	0.00E+00	1.55E-03	2.59E-04	8.87E-05	7.57E-04	9.89E-04	1.19E-03	1.31E-03

2.01E+01 0.00E+00 1.55E-03 2.52E-04 8.41E-05 7.50E-04 9.79E-04 1.16E-03 1.31E-03

2.13E+01 0.00E+00 1.55E-03 2.44E-04 8.10E-05 7.31E-04 9.27E-04 1.16E-03 1.30E-03

2.25E+01 0.00E+00 1.55E-03 2.38E-04 7.75E-05 7.24E-04 9.24E-04 1.15E-03 1.30E-03

2.38E+01	0.00E+00	1.54E-03	2.32E-04	7.04E-05	7.02E-04	9.13E-04	1.14E-03	1.29E-03
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2.52E+01 0.00E+00 1.54E-03 2.27E-04 6.80E-05 6.85E-04 8.95E-04 1.14E-03 1.29E-03

2.67E+01 0.00E+00 1.54E-03 2.21E-04 6.63E-05 6.71E-04 8.85E-04 1.12E-03 1.27E-03

2.82E+01	0.00E+00	1.53E-03	2.17E-04	5.94E-05	6.66E-04	8.85E-04	1.11E-03	1.26E-03
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2.99E+01 0.00E+00 1.53E-03 2.14E-04 5.66E-05 6.67E-04 8.82E-04 1.15E-03 1.27E-03

3.00E+01	0.00E+00	1.53E-03	2.14E-04	5.64E-05	6.66E-04	8.83E-04	1.15E-03	1.27E-03
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3.16E+01 0.00E+00 1.54E-03 2.11E-04 5.37E-05 6.53E-04 9.16E-04 1.15E-03 1.28E-03

3.35E+01	0.00E+00	1.68E-03	2.04E-04	4.93E-05	5.95E-04	9.14E-04	1.14E-03	1.29E-03
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3.54E+01	0.00E+00	1.68E-03	1.97E-04	4.37E-05	5.78E-04	9.12E-04	1.14E-03	1.44E-03
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3.75E+01	0.00E+00	1.68E-03	1.90E-04	4.19E-05	5.73E-04	9.09E-04	1.16E-03	1.44E-03
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3.97E+01 0.00E+00 1.67E-03 1.84E-04 3.69E-05 5.63E-04 9.01E-04 1.14E-03 1.44E-03

4.20E+01	0.00E+00	1.67E-03	1.78E-04	3.26E-05	5.53E-04	8.90E-04	1.13E-03	1.48E-03
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4.44E+01 0.00E+00 1.67E-03 1.72E-04 2.85E-05 5.46E-04 8.86E-04 1.12E-03 1.50E-03

4.70E+01 0.00E+00 1.67E-03 1.67E-04 2.61E-05 5.26E-04 8.82E-04 1.10E-03 1.49E-03

4.97E+01 0.00E+00 1.67E-03 1.63E-04 2.30E-05 5.22E-04 8.67E-04 1.08E-03 1.49E-03

5.26E+01 0.00E+00 1.67E-03 1.58E-04 2.30E-05 5.04E-04 8.46E-04 1.06E-03 1.48E-03

5.57E+01	0.00E+00	1.67E-03	1.55E-04	2.20E-05	4.99E-04	8.25E-04	1.03E-03	1.47E-03
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5.90E+01 0.00E+00 1.67E-03 1.52E-04 2.02E-05 4.96E-04 8.34E-04 1.04E-03 1.46E-03

6.24E+01 0.00E+00 1.66E-03 1.48E-04 1.67E-05 4.90E-04 8.12E-04 1.02E-03 1.46E-03

6.60E+01	0.00E+00	1.74E-03	1.44E-04	1.44E-05	4.80E-04	7.99E-04	1.01E-03	1.45E-03
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6.99E+01 0.00E+00 1.74E-03 1.40E-04 1.24E-05 4.64E-04 7.90E-04 1.00E-03 1.44E-03

7.39E+01 0.00E+00 1.73E-03 1.38E-04 1.17E-05 4.79E-04 7.82E-04 1.07E-03 1.44E-03

7.82E+01	0.00E+00	2.07E-03	1.35E-04	1.01E-05	4.72E-04	7.73E-04	1.06E-03	1.43E-03
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8.28E+01 0.00E+00 2.07E-03 1.32E-04 9.11E-06 4.66E-04 7.64E-04 1.04E-03 1.42E-03

8.76E+01	0.00E+00	2.07E-03	1.30E-04	7.61E-06	4.60E-04	7.62E-04	1.13E-03	1.48E-03
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9.27E+01	0.00E+00	2.06E-03	1.26E-04	6.71E-06	4.50E-04	7.43E-04	1.12E-03	1.45E-03
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9.81E+01	0.00E+00	2.06E-03	1.22E-04	6.25E-06	4.33E-04	7.32E-04	1.11E-03	1.41E-03
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1.00E+02 0.00E+00 2.06E-03 1.20E-04 6.05E-06 4.29E-04 7.26E-04 1.10E-03 1.41E-03

1.04E+02 0.00E+00 2.06E-03 1.18E-04 5.17E-06 4.23E-04 7.21E-04 1.10E-03 1.41E-03

1.10E+02 0.00E+00 2.06E-03 1.13E-04 4.77E-06 4.18E-04 7.09E-04 1.08E-03 1.41E-03

1.16E+02 0.00E+00 2.05E-03 1.10E-04 3.85E-06 4.14E-04 6.96E-04 1.07E-03 1.40E-03

1.23E+02 0.00E+00 2.05E-03 1.07E-04 3.69E-06 4.05E-04 6.81E-04 1.06E-03 1.40E-03

1.30E+02 0.00E+00 2.05E-03 1.03E-04 3.39E-06 3.90E-04 6.53E-04 1.05E-03 1.40E-03

1.38E+02 0.00E+00 2.05E-03 1.00E-04 3.37E-06 3.75E-04 6.25E-04 1.04E-03 1.39E-03

1.46E+02 0.00E+00 2.04E-03 9.75E-05 2.20E-06 3.66E-04 5.99E-04 1.03E-03 1.39E-03

1.54E+02 0.00E+00 2.04E-03 9.47E-05 2.08E-06 3.44E-04 5.72E-04 1.01E-03 1.38E-03

1.63E+02 0.00E+00 2.04E-03 9.19E-05 1.96E-06 3.20E-04 5.67E-04 9.87E-04 1.38E-03

1.73E+02	0.00E+00	2.03E-03	8.81E-05	1.64E-06	2.95E-04	5.57E-04	9.64E-04	1.37E-03
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1.83E+02 0.00E+00 2.03E-03 8.23E-05 1.02E-06 2.55E-04 4.97E-04 9.41E-04 1.37E-03

1.94E+02 0.00E+00 2.02E-03 7.56E-05 7.51E-07 2.24E-04 4.86E-04 8.59E-04 1.36E-03

2.05E+02 0.00E+00 2.02E-03 6.92E-05 5.38E-07 1.94E-04 4.28E-04 7.69E-04 1.36E-03

2.17E+02 0.00E+00 1.64E-03 6.41E-05 3.76E-07 1.66E-04 4.09E-04 7.10E-04 1.35E-03

2.29E+02 0.00E+00 1.63E-03 6.19E-05 2.39E-07 1.51E-04 4.01E-04 6.98E-04 1.28E-03

2.43E+02 0.00E+00 1.84E-03 6.22E-05 1.57E-07 1.43E-04 3.93E-04 6.83E-04 1.34E-03

2.57E+02 0.00E+00 1.76E-03 5.81E-05 8.73E-08 1.11E-04 3.57E-04 6.63E-04 1.33E-03

2.72E+02	0.00E+00	2.74E-03	5.97E-05	1.77E-08	9.37E-05	3.37E-04	6.75E-04	1.45E-03
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2.88E+02 0.00E+00 2.76E-03 5.21E-05 1.41E-09 6.02E-05 3.09E-04 6.19E-04 1.32E-03

3.00E+02 0.00E+00 2.74E-03 5.04E-05 8.07E-11 5.90E-05 2.95E-04 6.09E-04 1.31E-03

3.05E+02 0.00E+00 2.74E-03 5.13E-05 2.96E-11 5.90E-05 2.98E-04 6.10E-04 1.31E-03

3.22E+02	0.00E+00	2.96E-03	5.34E-05	1.10E-12	4.12E-05	2.86E-04	5.99E-04	1.42E-03
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3.41E+02 0.00E+00 2.68E-03 4.37E-05 1.96E-14 3.35E-05 2.31E-04 5.55E-04 1.30E-03

3.61E+02 0.00E+00 2.64E-03 3.75E-05 4.95E-18 2.62E-05 1.31E-04 5.22E-04 1.11E-03

3.82E+02 0.00E+00 1.56E-03 3.11E-05 2.10E-20 2.45E-05 9.10E-05 4.86E-04 1.06E-03

4.04E+02 0.00E+00 1.38E-03 2.63E-05 1.55E-25 1.79E-05 7.48E-05 4.66E-04 5.96E-04

4.28E+02 0.00E+00 1.36E-03 2.54E-05 0.00E+00 1.70E-05 6.30E-05 4.32E-04 5.80E-04

4.53E+02 0.00E+00 1.35E-03 2.46E-05 0.00E+00 1.62E-05 5.26E-05 4.07E-04 5.64E-04

4.79E+02 0.00E+00 1.33E-03 2.25E-05 0.00E+00 1.47E-05 4.28E-05 4.07E-04 5.47E-04

5.07E+02 0.00E+00 1.32E-03 2.16E-05 0.00E+00 1.14E-05 3.21E-05 3.91E-04 5.30E-04

5.36E+02 0.00E+00 1.30E-03 1.99E-05 0.00E+00 9.65E-06 2.85E-05 2.72E-04 5.12E-04

5.68E+02	0.00E+00	1.28E-03	1.92E-05	0.00E+00	9.25E-06	2.56E-05	2.49E-04	4.95E-04
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6.01E+02 0.00E+00 1.26E-03 1.76E-05 0.00E+00 7.16E-06 2.17E-05 1.70E-04 4.90E-04

6.36E+02	0.00E+00	1.24E-03	1.69E-05	0.00E+00	6.47E-06	1.88E-05	1.55E-04	4.85E-04
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6.73E+02 0.00E+00 1.22E-03 1.64E-05 0.00E+00 6.25E-06 1.58E-05 1.40E-04 4.80E-04

7.12E+02 0.00E+00 1.20E-03 1.50E-05 0.00E+00 5.06E-06 1.31E-05 1.06E-04 4.74E-04

7.53E+02 0.00E+00 1.18E-03 1.36E-05 0.00E+00 4.71E-06 1.04E-05 5.30E-05 4.68E-04

7.97E+02 0.00E+00 1.87E-03 1.70E-05 0.00E+00 4.40E-06 9.90E-06 9.68E-05 8.76E-04

8.44E+02 0.00E+00 1.83E-03 1.45E-05 0.00E+00 3.95E-06 8.51E-06 7.58E-05 4.55E-04

8.93E+02 0.00E+00 1.75E-03 1.39E-05 0.00E+00 3.45E-06 8.39E-06 6.43E-05 4.49E-04

9.45E+02 0.00E+00 1.67E-03 1.22E-05 0.00E+00 3.31E-06 6.45E-06 1.98E-05 3.46E-04

1.00E+03 0.00E+00 1.03E-03 6.38E-06 0.00E+00 3.05E-06 4.86E-06 1.45E-05 2.07E-04

Probabilistic results summary : RESRAD Default Parameters

File : C:\USERS\DNF\DOCUMENTS\FT CALHOUN\RESRAD INPUT FILES\BP INSITU UA\FCS BURIED PIPE INSITU UA C-14.RAD

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	3.88E-08	1.33E-02	9.95E-04	7.07E-04	1.68E-03	2.79E-03	4.79E-03	7.21E-03
1.00E+00	4.43E-08	1.14E-02	9.56E-04	5.70E-04	2.17E-03	3.51E-03	5.43E-03	9.14E-03
1.06E+00	4.46E-08	1.08E-02	9.50E-04	5.70E-04	2.12E-03	3.31E-03	5.45E-03	8.99E-03
1.12E+00	4.49E-08	1.08E-02	9.43E-04	5.70E-04	2.14E-03	3.35E-03	5.41E-03	8.82E-03
1.19E+00	4.53E-08	1.08E-02	9.35E-04	5.68E-04	2.10E-03	3.29E-03	5.29E-03	8.54E-03
1.25E+00	4.56E-08	1.07E-02	9.25E-04	5.72E-04	2.08E-03	3.37E-03	5.16E-03	8.14E-03
1.33E+00	4.60E-08	1.05E-02	9.13E-04	5.72E-04	2.09E-03	3.33E-03	4.96E-03	7.64E-03
1.40E+00	4.64E-08	1.02E-02	8.99E-04	5.73E-04	2.03E-03	3.00E-03	4.64E-03	7.42E-03
1.49E+00	4.69E-08	9.74E-03	8.83E-04	5.70E-04	2.02E-03	3.06E-03	4.61E-03	7.12E-03
1.57E+00	4.74E-08	9.15E-03	8.65E-04	5.64E-04	1.93E-03	2.93E-03	4.40E-03	7.12E-03
1.66E+00	4.79E-08	8.44E-03	8.47E-04	5.59E-04	1.89E-03	2.95E-03	4.41E-03	7.01E-03
1.76E+00	4.84E-08	7.79E-03	8.30E-04	5.47E-04	1.81E-03	2.92E-03	4.39E-03	6.73E-03
1.86E+00	4.89E-08	7.53E-03	8.11E-04	5.40E-04	1.75E-03	2.81E-03	4.25E-03	6.55E-03
1.97E+00	4.86E-08	7.06E-03	7.91E-04	5.35E-04	1.70E-03	2.72E-03	4.16E-03	6.13E-03
2.09E+00	3.77E-08	6.67E-03	7.70E-04	5.27E-04	1.69E-03	2.59E-03	4.03E-03	5.47E-03
2.21E+00	3.65E-09	6.65E-03	7.49E-04	5.25E-04	1.65E-03	2.55E-03	3.67E-03	5.19E-03
2.34E+00	3.09E-10	6.20E-03	7.27E-04	5.19E-04	1.59E-03	2.43E-03	3.54E-03	4.55E-03
2.47E+00	2.26E-11	6.04E-03	7.05E-04	5.11E-04	1.54E-03	2.41E-03	3.29E-03	4.45E-03
2.62E+00	1.42E-12	5.78E-03	6.84E-04	5.11E-04	1.52E-03	2.33E-03	3.03E-03	4.42E-03
2.77E+00	7.61E-14	5.40E-03	6.62E-04	4.97E-04	1.47E-03	2.11E-03	2.80E-03	3.97E-03
2.93E+00	3.44E-15	5.06E-03	6.41E-04	4.84E-04	1.47E-03	1.96E-03	2.61E-03	3.61E-03
3.00E+00	9.38E-16	5.06E-03	6.34E-04	4.82E-04	1.47E-03	1.91E-03	2.62E-03	3.56E-03
3.10E+00	1.29E-16	5.06E-03	6.22E-04	4.75E-04	1.41E-03	1.89E-03	2.53E-03	3.48E-03
3.28E+00	4.03E-18	5.07E-03	6.04E-04	4.65E-04	1.38E-03	1.85E-03	2.45E-03	3.35E-03
3.48E+00	1.02E-19	5.05E-03	5.88E-04	4.60E-04	1.34E-03	1.81E-03	2.37E-03	3.21E-03
3.68E+00	2.10E-21	4.81E-03	5.72E-04	4.55E-04	1.33E-03	1.77E-03	2.19E-03	3.08E-03
3.89E+00	3.45E-23	4.34E-03	5.56E-04	4.52E-04	1.31E-03	1.73E-03	2.05E-03	2.94E-03
4.12E+00	4.44E-25	3.68E-03	5.40E-04	4.39E-04	1.28E-03	1.63E-03	1.98E-03	2.80E-03
4.36E+00	4.44E-27	3.22E-03	5.24E-04	4.11E-04	1.28E-03	1.56E-03	1.91E-03	2.66E-03
4.61E+00	2.20E-29	3.01E-03	5.09E-04	4.08E-04	1.25E-03	1.54E-03	1.89E-03	2.45E-03
4.88E+00	0.00E+00	2.93E-03	4.96E-04	3.83E-04	1.25E-03	1.52E-03	1.82E-03	2.38E-03
5.17E+00	0.00E+00	2.95E-03	4.85E-04	3.69E-04	1.23E-03	1.51E-03	1.85E-03	2.24E-03
5.47E+00	0.00E+00	2.97E-03	4.74E-04	3.56E-04	1.21E-03	1.47E-03	1.79E-03	2.10E-03
5.78E+00	0.00E+00	2.98E-03	4.62E-04	3.42E-04	1.18E-03	1.42E-03	1.66E-03	2.05E-03
6.12E+00	0.00E+00	3.00E-03	4.48E-04	3.28E-04	1.13E-03	1.39E-03	1.61E-03	1.98E-03
6.48E+00	0.00E+00	2.92E-03	4.34E-04	3.14E-04	1.11E-03	1.36E-03	1.58E-03	1.89E-03
6.86E+00	0.00E+00	2.70E-03	4.22E-04	2.87E-04	1.10E-03	1.35E-03	1.55E-03	1.78E-03
7.26E+00	0.00E+00	2.32E-03	4.11E-04	2.75E-04	1.08E-03	1.35E-03	1.50E-03	1.72E-03
7.68E+00	0.00E+00	2.25E-03	4.00E-04	2.56E-04	1.07E-03	1.30E-03	1.50E-03	1.67E-03
8.13E+00	0.00E+00	2.14E-03	3.90E-04	2.50E-04	1.03E-03	1.27E-03	1.45E-03	1.63E-03
8.60E+00	0.00E+00	2.03E-03	3.80E-04	2.38E-04	9.96E-04	1.25E-03	1.39E-03	1.54E-03
9.10E+00	0.00E+00	1.92E-03	3.70E-04	2.27E-04	9.62E-04	1.20E-03	1.39E-03	1.49E-03
9.63E+00	0.00E+00	1.81E-03	3.60E-04	2.14E-04	9.43E-04	1.17E-03	1.38E-03	1.49E-03
1.00E+01	0.00E+00	1.73E-03	3.54E-04	2.06E-04	9.35E-04	1.14E-03	1.38E-03	1.49E-03
1.02E+01	0.00E+00	1.70E-03	3.51E-04	2.03E-04	9.24E-04	1.14E-03	1.38E-03	1.48E-03
1.08E+01	0.00E+00	1.63E-03	3.42E-04	1.84E-04	9.11E-04	1.11E-03	1.35E-03	1.48E-03
1.14E+01	0.00E+00	1.49E-03	3.32E-04	1.74E-04	8.66E-04	1.10E-03	1.34E-03	1.47E-03
1.21E+01	0.00E+00	1.48E-03	3.21E-04	1.67E-04	8.50E-04	1.08E-03	1.31E-03	1.41E-03
1.28E+01	0.00E+00	1.47E-03	3.12E-04	1.61E-04	8.20E-04	1.07E-03	1.29E-03	1.41E-03
1.35E+01	0.00E+00	1.51E-03	3.06E-04	1.50E-04	8.07E-04	1.07E-03	1.29E-03	1.46E-03
1.43E+01	0.00E+00	2.22E-03	2.99E-04	1.41E-04	7.94E-04	1.06E-03	1.29E-03	1.45E-03
1.51E+01	0.00E+00	2.19E-03	2.91E-04	1.29E-04	7.74E-04	1.01E-03	1.29E-03	1.45E-03
1.60E+01	0.00E+00	2.16E-03	2.84E-04	1.27E-04	7.57E-04	1.01E-03	1.26E-03	1.44E-03
1.70E+01	0.00E+00	2.13E-03	2.74E-04	1.25E-04	7.35E-04	9.72E-04	1.24E-03	1.45E-03
1.80E+01	0.00E+00	2.09E-03	2.63E-04	1.14E-04	7.11E-04	9.56E-04	1.20E-03	1.44E-03
1.90E+01	0.00E+00	2.05E-03	2.53E-04	1.03E-04	6.91E-04	9.30E-04	1.20E-03	1.44E-03

2.01E+01 0.00E+00 2.02E-03 2.45E-04 9.06E-05 6.89E-04 9.28E-04 1.19E-03 1.43E-03

2.13E+01	0.00E+00	1.98E-03	2.38E-04	8.30E-05	6.76E-04	9.26E-04	1.18E-03	1.43E-03
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2.25E+01	0.00E+00	1.53E-03	2.28E-04	7.73E-05	6.60E-04	9.07E-04	1.15E-03	1.40E-03
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2.38E+01 0.00E+00 1.51E-03 2.20E-04 7.14E-05 6.42E-04 8.69E-04 1.14E-03 1.40E-03

2.52E+01	0.00E+00	1.48E-03	2.13E-04	6.45E-05	6.29E-04	8.67E-04	1.13E-03	1.40E-03
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2.67E+01	0.00E+00	1.46E-03	2.07E-04	5.86E-05	6.21E-04	8.64E-04	1.11E-03	1.40E-03
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2.82E+01	0.00E+00	1.46E-03	2.01E-04	5.13E-05	6.12E-04	8.43E-04	1.10E-03	1.39E-03
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2.99E+01 0.00E+00 1.46E-03 1.94E-04 4.79E-05 5.85E-04 8.42E-04 1.09E-03 1.38E-03

3.00E+01	0.00E+00	1.46E-03	1.93E-04	4.78E-05	5.84E-04	8.42E-04	1.09E-03	1.38E-03
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3.16E+01 0.00E+00 1.46E-03 1.88E-04 4.42E-05 5.72E-04 8.38E-04 1.09E-03 1.36E-03

3.35E+01	0.00E+00	1.46E-03	1.84E-04	4.04E-05	5.70E-04	8.35E-04	1.08E-03	1.34E-03
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3.54E+01	0.00E+00	1.46E-03	1.78E-04	3.75E-05	5.47E-04	8.32E-04	1.08E-03	1.34E-03
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3.75E+01 0.00E+00 1.46E-03 1.72E-04 3.41E-05 5.31E-04 8.30E-04 1.08E-03 1.34E-03

3.97E+01	0.00E+00	1.46E-03	1.67E-04	3.07E-05	5.16E-04	8.29E-04	1.07E-03	1.34E-03
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4.20E+01	0.00E+00	1.45E-03	1.62E-04	2.75E-05	4.98E-04	8.27E-04	1.07E-03	1.32E-03
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4.44E+01 0.00E+00 1.45E-03 1.57E-04 2.44E-05 4.89E-04 8.25E-04 1.06E-03 1.31E-03

4.70E+01 0.00E+00 1.45E-03 1.53E-04 2.07E-05 4.81E-04 8.23E-04 1.06E-03 1.30E-03

4.97E+01 0.00E+00 1.45E-03 1.47E-04 1.87E-05 4.61E-04 7.58E-04 1.05E-03 1.29E-03

5.26E+01	0.00E+00	1.45E-03	1.42E-04	1.66E-05	4.48E-04	7.58E-04	1.05E-03	1.27E-03
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5.57E+01	0.00E+00	1.45E-03	1.39E-04	1.49E-05	4.54E-04	8.08E-04	1.05E-03	1.26E-03
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5.90E+01	0.00E+00	1.55E-03	1.38E-04	1.32E-05	4.43E-04	7.93E-04	1.05E-03	1.28E-03
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6.24E+01 0.00E+00 1.59E-03 1.35E-04 1.18E-05 4.33E-04 7.72E-04 1.05E-03 1.27E-03

6.60E+01 0.00E+00 1.56E-03 1.32E-04 1.06E-05 4.26E-04 8.07E-04 1.05E-03 1.30E-03

6.99E+01	0.00E+00	1.54E-03	1.29E-04	9.62E-06	4.11E-04	8.02E-04	1.05E-03	1.38E-03
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7.39E+01 0.00E+00 1.67E-03 1.26E-04 9.45E-06 3.89E-04 7.97E-04 1.05E-03 1.36E-03

7.82E+01 0.00E+00 1.67E-03 1.22E-04 8.65E-06 3.79E-04 7.92E-04 1.05E-03 1.34E-03

8.28E+01	0.00E+00	1.67E-03	1.19E-04	6.42E-06	3.66E-04	7.86E-04	1.04E-03	1.32E-03
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8.76E+01	0.00E+00	1.66E-03	1.15E-04	5.78E-06	3.60E-04	7.80E-04	1.04E-03	1.30E-03
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9.27E+01 0.00E+00 1.65E-03 1.11E-04 4.82E-06 3.55E-04 7.73E-04 1.03E-03 1.27E-03

9.81E+01 0.00E+00 1.65E-03 1.08E-04 4.38E-06 3.49E-04 7.66E-04 1.01E-03 1.27E-03

1.00E+02 0.00E+00 1.65E-03 1.07E-04 4.03E-06 3.47E-04 7.61E-04 1.01E-03 1.27E-03

1.04E+02 0.00E+00 1.64E-03 1.05E-04 3.69E-06 3.43E-04 7.53E-04 1.00E-03 1.26E-03

1.10E+02 0.00E+00 1.64E-03 1.02E-04 3.32E-06 3.36E-04 7.51E-04 9.99E-04 1.26E-03

1.16E+02 0.00E+00 1.63E-03 9.92E-05 2.63E-06 3.28E-04 7.43E-04 9.94E-04 1.24E-03

1.23E+02 0.00E+00 1.62E-03 9.63E-05 2.23E-06 3.03E-04 7.34E-04 9.83E-04 1.21E-03

1.30E+02 0.00E+00 1.61E-03 9.29E-05 1.51E-06 2.83E-04 7.25E-04 9.67E-04 1.17E-03

1.38E+02 0.00E+00 1.61E-03 9.25E-05 1.45E-06 3.12E-04 7.20E-04 9.50E-04 1.13E-03

1.46E+02 0.00E+00 1.60E-03 9.09E-05 1.28E-06 3.00E-04 6.95E-04 9.31E-04 1.09E-03

1.54E+02 0.00E+00 1.59E-03 9.00E-05 7.64E-07 2.91E-04 6.96E-04 9.49E-04 1.21E-03

1.63E+02 0.00E+00 4.37E-03 9.67E-05 6.14E-07 2.89E-04 6.94E-04 9.42E-04 1.37E-03

1.73E+02	0.00E+00	2.02E-03	9.09E-05	4.85E-07	2.85E-04	6.79E-04	9.48E-04	1.37E-03
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1.83E+02 0.00E+00 1.56E-03 8.32E-05 3.64E-07 2.62E-04 6.63E-04 9.10E-04 1.18E-03

1.94E+02 0.00E+00 1.55E-03 7.85E-05 1.25E-07 2.35E-04 6.47E-04 8.72E-04 1.17E-03

2.05E+02 0.00E+00 1.54E-03 7.35E-05 5.43E-08 1.99E-04 6.26E-04 8.48E-04 1.15E-03

2.17E+02	0.00E+00	1.53E-03	7.15E-05	6.16E-09	1.77E-04	6.07E-04	8.29E-04	1.14E-03
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2.29E+02 0.00E+00 1.63E-03 7.06E-05 2.24E-09 1.52E-04 5.80E-04 8.26E-04 1.20E-03

2.43E+02 0.00E+00 2.41E-03 6.80E-05 2.43E-10 1.28E-04 5.55E-04 7.85E-04 1.15E-03

2.57E+02	0.00E+00	2.40E-03	6.40E-05	3.92E-11	1.06E-04	5.13E-04	7.29E-04	1.10E-03
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2.72E+02 0.00E+00 2.39E-03 6.07E-05 8.11E-12 8.77E-05 4.78E-04 7.09E-04 1.08E-03

2.88E+02 0.00E+00 2.38E-03 5.85E-05 1.54E-13 7.54E-05 4.48E-04 6.75E-04 1.07E-03

3.00E+02 0.00E+00 2.37E-03 5.62E-05 1.49E-14 6.27E-05 4.41E-04 6.54E-04 1.05E-03

3.05E+02 0.00E+00 2.37E-03 5.54E-05 8.85E-15 6.23E-05 4.40E-04 6.46E-04 1.05E-03

3.22E+02 0.00E+00 2.36E-03 4.65E-05 1.98E-17 4.59E-05 3.97E-04 6.06E-04 8.50E-04

3.41E+02 0.00E+00 2.34E-03 4.11E-05 5.93E-20 3.47E-05 3.56E-04 5.50E-04 8.26E-04

3.61E+02 0.00E+00 2.33E-03 3.95E-05 4.92E-22 3.27E-05 3.33E-04 5.33E-04 8.06E-04

3.82E+02	0.00E+00	2.32E-03	3.59E-05	3.10E-26	2.63E-05	2.03E-04	4.79E-04	7.86E-04
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4.04E+02	0.00E+00	2.30E-03	3.52E-05	0.00E+00	2.18E-05	2.68E-04	4.46E-04	7.65E-04
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4.28E+02 0.00E+00 2.29E-03 3.58E-05 0.00E+00 1.92E-05 2.78E-04 5.51E-04 7.43E-04

4.53E+02 0.00E+00 1.31E-03 3.13E-05 0.00E+00 1.76E-05 2.18E-04 4.62E-04 7.21E-04

4.79E+02	0.00E+00	1.31E-03	3.02E-05	0.00E+00	1.67E-05	1.96E-04	4.36E-04	6.98E-04
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5.07E+02 0.00E+00 1.30E-03 2.53E-05 0.00E+00 1.52E-05 1.08E-04 3.72E-04 6.69E-04

5.36E+02 0.00E+00 1.30E-03 2.26E-05 0.00E+00 1.19E-05 8.83E-05 3.40E-04 6.47E-04

5.68E+02 0.00E+00 1.29E-03 2.03E-05 0.00E+00 1.05E-05 7.29E-05 3.17E-04 5.34E-04

6.01E+02	0.00E+00	1.28E-03	1.80E-05	0.00E+00	9.99E-06	3.35E-05	2.74E-04	4.60E-04
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6.36E+02	0.00E+00	1.28E-03	1.76E-05	0.00E+00	9.19E-06	3.32E-05	2.73E-04	5.29E-04
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6.73E+02	0.00E+00	1.27E-03	1.49E-05	0.00E+00	8.14E-06	2.55E-05	2.06E-04	4.24E-04
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7.12E+02 0.00E+00 1.26E-03 1.35E-05 0.00E+00 5.61E-06 1.88E-05 1.72E-04 4.06E-04

7.53E+02 0.00E+00 1.25E-03 1.24E-05 0.00E+00 5.25E-06 1.73E-05 1.15E-04 3.88E-04

7.97E+02 0.00E+00 1.24E-03 1.22E-05 0.00E+00 4.91E-06 1.60E-05 9.85E-05 3.69E-04

8.44E+02	0.00E+00	1.23E-03	9.63E-06	0.00E+00	4.03E-06	1.37E-05	6.30E-05	3.50E-04
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8.93E+02 0.00E+00 1.22E-03 8.24E-06 0.00E+00 3.52E-06 1.00E-05 3.50E-05 2.75E-04

9.45E+02 0.00E+00 1.21E-03 6.69E-06 0.00E+00 3.21E-06 8.59E-06 2.13E-05 2.41E-04

1.00E+03 0.00E+00 1.20E-03 5.82E-06 0.00E+00 2.90E-06 6.22E-06 1.70E-05 2.29E-04

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	6.11E-09	1.30E-02	9.99E-04	7.00E-04	1.67E-03	2.84E-03	4.97E-03	7.79E-03
1.00E+00	9.10E-09	1.16E-02	9.46E-04	5.74E-04	1.99E-03	3.04E-03	6.13E-03	9.31E-03
1.06E+00	9.28E-09	1.12E-02	9.39E-04	5.70E-04	1.98E-03	2.96E-03	6.18E-03	9.30E-03
1.12E+00	9.46E-09	1.08E-02	9.30E-04	5.71E-04	1.99E-03	2.95E-03	6.08E-03	9.30E-03
1.19E+00	9.66E-09	1.04E-02	9.19E-04	5.68E-04	1.98E-03	2.99E-03	5.89E-03	9.18E-03
1.25E+00	9.86E-09	9.77E-03	9.06E-04	5.66E-04	1.95E-03	3.04E-03	5.40E-03	8.83E-03
1.33E+00	1.01E-08	9.15E-03	8.91E-04	5.58E-04	1.92E-03	3.03E-03	5.35E-03	8.45E-03
1.40E+00	1.03E-08	8.50E-03	8.73E-04	5.57E-04	1.89E-03	3.01E-03	5.21E-03	7.98E-03
1.49E+00	1.06E-08	7.93E-03	8.53E-04	5.54E-04	1.83E-03	3.01E-03	5.09E-03	7.51E-03
1.57E+00	8.34E-09	7.84E-03	8.31E-04	5.54E-04	1.71E-03	3.06E-03	5.02E-03	6.84E-03
1.66E+00	6.65E-09	7.77E-03	8.10E-04	5.50E-04	1.65E-03	2.98E-03	4.80E-03	6.26E-03
1.76E+00	5.75E-09	7.86E-03	7.87E-04	5.44E-04	1.65E-03	2.57E-03	4.21E-03	5.57E-03
1.86E+00	5.29E-09	7.90E-03	7.64E-04	5.34E-04	1.59E-03	2.58E-03	3.60E-03	5.38E-03
1.97E+00	5.07E-09	7.90E-03	7.41E-04	5.33E-04	1.55E-03	2.41E-03	3.52E-03	5.48E-03
2.09E+00	4.97E-09	7.78E-03	7.20E-04	5.22E-04	1.52E-03	2.37E-03	3.45E-03	5.51E-03
2.21E+00	4.93E-09	7.56E-03	7.00E-04	5.22E-04	1.49E-03	2.21E-03	3.29E-03	5.50E-03
2.24E+00	4.91E-09	7.23E-03	6.83E-04	4.99E-04	1.47E-03	2.15E-03	3.06E-03	5.50E-03
2.27E+00	4.91E-09	6.85E-03	6.67E-04	4.85E-04	1.43E-03	2.14E-03	2.99E-03	5.50E-03
2.26E+00	2.08E-09	6.54E-03	6.51E-04	4.81E-04	1.40E-03	1.99E-03	2.91E-03	5.49E-03
2.27E+00	2.32E-10	6.05E-03	6.36E-04	4.74E-04	1.39E-03	1.91E-03	2.76E-03	5.48E-03
2.93E+00	2.27E-11	5.44E-03	6.21E-04	4.67E-04	1.36E-03	1.81E-03	2.54E-03	4.80E-03
3.00E+00	8.59E-12	5.27E-03	6.15E-04	4.64E-04	1.36E-03	1.80E-03	2.46E-03	4.52E-03
3.10E+00	1.95E-12	5.08E-03	6.06E-04	4.57E-04	1.35E-03	1.80E-03	2.43E-03	4.13E-03
3.28E+00	1.45E-13	4.66E-03	5.90E-04	4.52E-04	1.32E-03	1.79E-03	2.43E-03	3.82E-03
3.48E+00	9.22E-15	4.39E-03	5.73E-04	4.48E-04	1.31E-03	1.78E-03	2.44E-03	3.84E-03
3.68E+00	5.01E-16	4.13E-03	5.58E-04	4.36E-04	1.26E-03	1.73E-03	2.24E-03	3.80E-03
3.89E+00	2.30E-17	4.03E-03	5.42E-04	4.23E-04	1.25E-03	1.68E-03	2.11E-03	3.41E-03
4.12E+00	8.81E-19	3.95E-03	5.28E-04	4.09E-04	1.23E-03	1.59E-03	2.09E-03	3.04E-03
4.36E+00	2.79E-20	3.96E-03	5.16E-04	3.98E-04	1.22E-03	1.54E-03	2.09E-03	2.81E-03
4.61E+00	7.24E-22	3.98E-03	5.03E-04	3.87E-04	1.22E-03	1.52E-03	2.01E-03	2.76E-03
4.88E+00	1.52E-23	3.94E-03	4.91E-04	3.56E-04	1.18E-03	1.48E-03	1.96E-03	2.74E-03
5.17E+00	2.54E-25	3.70E-03	4.78E-04	3.57E-04	1.16E-03	1.46E-03	1.93E-03	2.56E-03
5.47E+00	3.35E-27	3.31E-03	4.64E-04	3.40E-04	1.15E-03	1.41E-03	1.87E-03	2.55E-03
5.78E+00	3.43E-29	2.79E-03	4.51E-04	3.31E-04	1.14E-03	1.38E-03	1.86E-03	2.36E-03
6.12E+00	0.00E+00	2.66E-03	4.38E-04	3.10E-04	1.11E-03	1.34E-03	1.83E-03	2.14E-03
6.48E+00	0.00E+00	2.65E-03	4.26E-04	2.91E-04	1.09E-03	1.31E-03	1.73E-03	2.05E-03
6.86E+00	0.00E+00	2.64E-03	4.13E-04	2.75E-04	1.08E-03	1.28E-03	1.54E-03	1.98E-03
7.26E+00	0.00E+00	2.62E-03	4.01E-04	2.54E-04	1.05E-03	1.25E-03	1.51E-03	1.90E-03
7.68E+00	0.00E+00	2.61E-03	3.89E-04	2.35E-04	1.01E-03	1.24E-03	1.40E-03	1.89E-03
8.13E+00	0.00E+00	2.60E-03	3.78E-04	2.15E-04	9.86E-04	1.20E-03	1.40E-03	1.88E-03
8.60E+00	0.00E+00	2.49E-03	3.67E-04	2.04E-04	9.72E-04	1.18E-03	1.36E-03	1.84E-03
9.10E+00	0.00E+00	2.15E-03	3.57E-04	2.00E-04	9.23E-04	1.15E-03	1.32E-03	1.78E-03
9.63E+00	0.00E+00	1.93E-03	3.45E-04	1.97E-04	8.88E-04	1.12E-03	1.29E-03	1.65E-03
1.00E+01	0.00E+00	1.94E-03	3.36E-04	1.93E-04	8.66E-04	1.10E-03	1.27E-03	1.57E-03
1.02E+01	0.00E+00	1.94E-03	3.32E-04	1.85E-04	8.58E-04	1.09E-03	1.27E-03	1.53E-03
1.08E+01	0.00E+00	1.95E-03	3.21E-04	1.73E-04	8.31E-04	1.08E-03	1.25E-03	1.53E-03
1.14E+01	0.00E+00	1.89E-03	3.11E-04	1.58E-04	8.08E-04	1.06E-03	1.24E-03	1.53E-03
1.21E+01	0.00E+00	1.66E-03	3.02E-04	1.54E-04	7.99E-04	1.05E-03	1.22E-03	1.51E-03
1.28E+01	0.00E+00	1.59E-03	2.93E-04	1.40E-04	7.93E-04	1.04E-03	1.22E-03	1.47E-03
1.35E+01	0.00E+00	1.59E-03	2.85E-04	1.31E-04	7.89E-04	1.03E-03	1.21E-03	1.43E-03
1.43E+01	0.00E+00	1.59E-03	2.78E-04	1.27E-04	7.83E-04	1.00E-03	1.20E-03	1.41E-03
1.51E+01	0.00E+00	1.59E-03	2.71E-04	1.10E-04	7.64E-04	9.92E-04	1.19E-03	1.41E-03
1.60E+01	0.00E+00	1.59E-03	2.62E-04	1.08E-04	7.42E-04	9.77E-04	1.16E-03	1.31E-03
1.70E+01	0.00E+00	1.59E-03	2.54E-04	9.35E-05	7.34E-04	9.76E-04	1.16E-03	1.27E-03
1.80E+01	0.00E+00	2.28E-03	2.49E-04	8.54E-05	7.25E-04	9.66E-04	1.16E-03	1.27E-03
1.90E+01	0.00E+00	2.28E-03	2.41E-04	7.74E-05	6.94E-04	9.63E-04	1.15E-03	1.27E-03

2.01E+01	0.00E+00	2.28E-03	2.35E-04	7.06E-05	6.87E-04	9.51E-04	1.14E-03	1.27E-03
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2.13E+01 0.00E+00 2.27E-03 2.29E-04 6.19E-05 6.81E-04 9.34E-04 1.12E-03 1.26E-03

2.25E+01 0.00E+00 2.27E-03 2.23E-04 5.49E-05 6.68E-04 9.23E-04 1.11E-03 1.26E-03

2.38E+01	0.00E+00	2.26E-03	2.17E-04	5.01E-05	6.53E-04	8.96E-04	1.10E-03	1.26E-03
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2.52E+01	0.00E+00	2.26E-03	2.11E-04	4.87E-05	6.51E-04	8.88E-04	1.08E-03	1.26E-03
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2.67E+01 0.00E+00 2.25E-03 2.06E-04 4.69E-05 6.49E-04 8.74E-04 1.05E-03 1.26E-03

2.82E+01 0.00E+00 2.24E-03 2.01E-04 4.60E-05 6.35E-04 8.43E-04 1.02E-03 1.26E-03

2.99E+01 0.00E+00 2.24E-03 1.96E-04 4.32E-05 6.26E-04 8.22E-04 1.01E-03 1.26E-03

3.00E+01 0.00E+00 2.24E-03 1.96E-04 4.32E-05 6.26E-04 8.22E-04 1.01E-03 1.26E-03

3.16E+01 0.00E+00 2.23E-03 1.92E-04 4.11E-05 6.18E-04 8.22E-04 9.97E-04 1.26E-03

3.35E+01	0.00E+00	2.22E-03	1.87E-04	3.60E-05	6.05E-04	8.21E-04	9.86E-04	1.26E-03
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3.54E+01	0.00E+00	2.22E-03	1.82E-04	3.16E-05	5.89E-04	8.14E-04	9.88E-04	1.32E-03
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3.75E+01	0.00E+00	2.21E-03	1.78E-04	3.13E-05	5.84E-04	7.98E-04	9.83E-04	1.33E-03
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3.97E+01 0.00E+00 1.55E-03 1.70E-04 3.01E-05 5.67E-04 7.81E-04 9.52E-04 1.25E-03

4.20E+01 0.00E+00 1.54E-03 1.65E-04 2.85E-05 5.63E-04 7.63E-04 9.46E-04 1.25E-03

4.44E+01	0.00E+00	1.54E-03	1.62E-04	2.97E-05	5.63E-04	7.45E-04	9.40E-04	1.22E-03
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4.70E+01	0.00E+00	1.53E-03	1.58E-04	2.68E-05	5.48E-04	7.50E-04	9.33E-04	1.18E-03
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4.97E+01 0.00E+00 1.53E-03 1.55E-04 2.56E-05 5.42E-04 7.31E-04 9.30E-04 1.17E-03

5.26E+01 0.00E+00 1.52E-03 1.51E-04 2.39E-05 5.26E-04 7.12E-04 9.43E-04 1.16E-03

5.57E+01	0.00E+00	1.52E-03	1.47E-04	2.11E-05	5.12E-04	6.98E-04	9.59E-04	1.15E-03
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5.90E+01	0.00E+00	1.51E-03	1.43E-04	1.92E-05	5.03E-04	6.91E-04	9.50E-04	1.22E-03
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6.24E+01	0.00E+00	1.55E-03	1.39E-04	1.63E-05	4.89E-04	6.84E-04	9.43E-04	1.20E-03
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6.60E+01 0.00E+00 1.54E-03 1.34E-04 1.34E-05 4.70E-04 6.67E-04 9.30E-04 1.18E-03

6.99E+01	0.00E+00	1.53E-03	1.30E-04	1.12E-05	4.66E-04	6.61E-04	9.19E-04	1.21E-03
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7.39E+01	0.00E+00	1.51E-03	1.27E-04	9.93E-06	4.66E-04	6.61E-04	9.08E-04	1.18E-03
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7.82E+01 0.00E+00 1.91E-03 1.25E-04 8.92E-06 4.60E-04 6.53E-04 9.45E-04 1.22E-03

8.28E+01	0.00E+00	1.90E-03	1.21E-04	8.73E-06	4.56E-04	6.43E-04	9.41E-04	1.22E-03
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8.76E+01	0.00E+00	1.89E-03	1.16E-04	6.92E-06	4.46E-04	6.34E-04	9.38E-04	1.22E-03
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9.27E+01	0.00E+00	1.88E-03	1.13E-04	6.06E-06	4.20E-04	6.25E-04	9.34E-04	1.21E-03
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9.81E+01 0.00E+00 1.87E-03 1.10E-04 5.34E-06 4.22E-04 6.15E-04 9.28E-04 1.21E-03

1.00E+02 0.00E+00 1.86E-03 1.09E-04 5.28E-06 4.15E-04 6.11E-04 9.25E-04 1.21E-03

1.04E+02 0.00E+00 1.85E-03 1.07E-04 4.67E-06 4.07E-04 6.04E-04 9.20E-04 1.21E-03

1.10E+02 0.00E+00 1.84E-03 1.05E-04 4.21E-06 3.89E-04 6.07E-04 9.11E-04 1.20E-03

1.16E+02 0.00E+00 1.83E-03 1.03E-04 3.70E-06 3.74E-04 6.13E-04 9.42E-04 1.20E-03

1.23E+02 0.00E+00 1.81E-03 1.01E-04 3.35E-06 3.57E-04 5.92E-04 9.14E-04 1.38E-03

1.30E+02 0.00E+00 1.99E-03 1.02E-04 2.61E-06 3.45E-04 5.86E-04 9.01E-04 1.38E-03

1.38E+02 0.00E+00 3.52E-03 1.01E-04 1.94E-06 3.22E-04 5.72E-04 8.84E-04 1.37E-03

1.46E+02 0.00E+00 3.51E-03 9.85E-05 1.42E-06 3.00E-04 5.65E-04 8.76E-04 1.36E-03

1.54E+02 0.00E+00 3.50E-03 9.58E-05 1.20E-06 2.78E-04 5.63E-04 8.69E-04 1.34E-03

1.63E+02 0.00E+00 1.72E-03 8.63E-05 1.02E-06 2.56E-04 5.45E-04 8.36E-04 1.28E-03

1.73E+02 0.00E+00 1.70E-03 8.05E-05 6.13E-07 2.32E-04 5.38E-04 8.23E-04 1.25E-03

1.83E+02 0.00E+00 1.68E-03 7.74E-05 4.83E-07 2.14E-04 5.31E-04 8.10E-04 1.23E-03

1.94E+02 0.00E+00 1.65E-03 7.31E-05 3.12E-07 1.91E-04 5.06E-04 7.49E-04 1.21E-03

2.05E+02 0.00E+00 1.63E-03 6.87E-05 2.54E-07 1.63E-04 4.84E-04 7.34E-04 1.18E-03

2.17E+02	0.00E+00	1.61E-03	6.57E-05	2.14E-07	1.50E-04	4.81E-04	7.18E-04	1.19E-03
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2.29E+02 0.00E+00 1.32E-03 6.03E-05 8.67E-08 1.31E-04 4.36E-04 6.55E-04 1.13E-03

2.43E+02 0.00E+00 1.31E-03 5.36E-05 1.54E-08 9.88E-05 4.19E-04 6.17E-04 1.10E-03

2.57E+02 0.00E+00 1.30E-03 4.52E-05 1.75E-09 7.75E-05 3.84E-04 5.21E-04 8.47E-04

2.72E+02 0.00E+00 1.29E-03 4.28E-05 4.04E-11 6.86E-05 3.44E-04 5.08E-04 8.44E-04

2.88E+02	0.00E+00	1.28E-03	3.92E-05	7.86E-12	5.76E-05	3.17E-04	4.85E-04	8.41E-04
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3.00E+02 0.00E+00 1.26E-03 3.79E-05 2.05E-12 5.29E-05 3.00E-04 4.82E-04 8.39E-04

3.05E+02 0.00E+00 1.26E-03 3.75E-05 8.83E-13 5.08E-05 2.95E-04 4.81E-04 8.38E-04

3.22E+02 0.00E+00 1.25E-03 3.52E-05 2.96E-15 4.42E-05 2.87E-04 4.26E-04 8.35E-04

3.41E+02 0.00E+00 1.23E-03 3.01E-05 1.81E-17 3.70E-05 2.18E-04 3.76E-04 5.99E-04

3.61E+02 0.00E+00 1.22E-03 2.83E-05 1.85E-23 3.01E-05 2.04E-04 3.65E-04 5.95E-04

3.82E+02 0.00E+00 1.20E-03 2.61E-05 1.25E-28 2.58E-05 1.61E-04 3.54E-04 5.93E-04

4.04E+02 0.00E+00 1.18E-03 2.69E-05 0.00E+00 2.51E-05 1.70E-04 3.67E-04 8.07E-04

4.28E+02 0.00E+00 1.39E-03 2.66E-05 0.00E+00 2.25E-05 1.59E-04 3.60E-04 7.72E-04

4.53E+02	0.00E+00	1.34E-03	2.49E-05	0.00E+00	1.95E-05	9.89E-05	3.53E-04	7.37E-04
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4.79E+02 0.00E+00 1.28E-03 2.31E-05 0.00E+00 1.65E-05 7.76E-05 3.14E-04 7.01E-04

5.07E+02 0.00E+00 1.22E-03 2.20E-05 0.00E+00 1.53E-05 6.80E-05 3.03E-04 6.65E-04

5.36E+02	0.00E+00	1.16E-03	2.00E-05	0.00E+00	1.18E-05	3.77E-05	2.59E-04	6.30E-04
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5.68E+02 0.00E+00 1.11E-03 1.73E-05 0.00E+00 8.93E-06 2.53E-05 2.33E-04 5.75E-04

6.01E+02 0.00E+00 1.05E-03 1.39E-05 0.00E+00 8.13E-06 2.37E-05 1.89E-04 4.13E-04

6.36E+02 0.00E+00 1.02E-03 1.25E-05 0.00E+00 6.85E-06 1.62E-05 1.67E-04 4.07E-04

6.73E+02	0.00E+00	9.93E-04	1.01E-05	0.00E+00	6.25E-06	1.25E-05	1.41E-04	3.99E-04
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7.12E+02	0.00E+00	9.69E-04	8.87E-06	0.00E+00	5.21E-06	1.14E-05	9.71E-05	2.33E-04
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7.53E+02	0.00E+00	9.43E-04	8.18E-06	0.00E+00	4.34E-06	9.39E-06	4.58E-05	2.14E-04
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7.97E+02 0.00E+00 9.17E-04 7.44E-06 0.00E+00 4.07E-06 8.71E-06 2.38E-05 1.96E-04

8.44E+02	0.00E+00	8.89E-04	5.97E-06	0.00E+00	3.37E-06	8.15E-06	1.84E-05	1.66E-04
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8.93E+02	0.00E+00	8.62E-04	5.42E-06	0.00E+00	2.67E-06	6.93E-06	1.58E-05	1.31E-04
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9.45E+02 0.00E+00 8.33E-04 4.89E-06 0.00E+00 2.24E-06 6.25E-06 1.15E-05 1.22E-04

1.00E+03	0.00E+00	8.04E-04	4.70E-06	0.00E+00	2.18E-06	6.22E-06	1.08E-05	1.13E-04
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Probabilistic results summary : RESRAD Default Parameters

File : C:\USERS\DNF\DOCUMENTS\FT CALHOUN\RESRAD INPUT FILES\BP INSITU UA\FCS BURIED PIPE INSITU UA C-14.RAD

Peak of the mean dose (averaged over observations) at graphical times

Repetition	Time of peak mean dose	Peak mean dose
	Years	mrem/yr
1	0.000E+00	1.013E-03
2	0.000E+00	9.949E-04
3	0.000E+00	9.990E-04

Title : RESRAD Default Parameters
Input File : FCS BURIED PIPE INSITU UA C-14.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
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Contaminated zone erosion rate	2	0.09	2	0.09	4	-0.10	4	-0.08
Contaminated zone b parameter	3	-0.07	3	-0.07	9	-0.04	9	-0.03
Evapotranspiration coefficient	17	0.00	17	0.00	3	0.14	3	0.12
Wind Speed	4	-0.07	4	-0.07	10	-0.04	10	-0.03
Runoff coefficient	5	-0.06	5	-0.05	7	0.05	7	0.04
b Parameter of Unsaturated zone 1	7	0.04	7	0.04	15	-0.01	15	-0.01
Mass loading for inhalation	13	-0.02	13	-0.02	13	-0.02	13	-0.02
Indoor dust filtration factor	8	-0.04	8	-0.04	16	0.01	16	0.01
Depth of soil mixing layer	9	-0.04	9	-0.03	18	0.00	18	0.00
Depth of roots	15	-0.02	15	-0.02	12	-0.02	12	-0.02
Wet weight crop yield of fruit, grain and non-leafy vegetables	16	0.01	16	0.01	17	0.01	17	0.01
Weathering removal constant of all vegetation	11	0.03	11	0.03	11	-0.03	11	-0.02
Wet foliar interception fraction of leafy vegetables	12	-0.03	12	-0.02	5	-0.08	5	-0.07
Humidity in air	6	0.05	6	0.05	14	-0.02	14	-0.02
Cover erosion rate	14	-0.02	14	-0.02	6	0.06	6	0.05
Kd of C-14 in Contaminated Zone	18	0.00	18	0.00	8	-0.04	8	-0.04
Kd of C-14 in Saturated Zone	10	-0.03	10	-0.03	1	-0.48	1	-0.45
Well pump intake depth	1	-0.24	1	-0.24	2	-0.30	2	-0.26

R-SQUARE	0.08	0.08	0.31	0.31
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-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 BURIED PIPE INSITU UA C-14.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
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Contaminated zone erosion rate	10	-0.04	10	-0.04	7	-0.07	7	-0.05
Contaminated zone b parameter	4	-0.05	4	-0.04	14	-0.03	14	-0.02
Evapotranspiration coefficient	5	0.04	5	0.04	3	0.15	3	0.12
Wind Speed	18	-0.01	18	0.00	16	0.02	16	0.02
Runoff coefficient	6	0.04	6	0.04	4	0.12	4	0.09
b Parameter of Unsaturated zone 1	7	0.04	7	0.04	11	0.05	11	0.03
Mass loading for inhalation	11	-0.02	11	-0.02	9	0.05	9	0.04
Indoor dust filtration factor	2	-0.08	2	-0.08	10	-0.05	10	-0.04
Depth of soil mixing layer	8	0.04	8	0.04	17	0.02	17	0.02
Depth of roots	14	-0.02	14	-0.02	6	-0.08	6	-0.06
Wet weight crop yield of fruit, grain and non-leafy vegetables	3	-0.06	3	-0.06	5	-0.08	5	-0.06
Weathering removal constant of all vegetation	17	0.01	17	0.01	15	-0.03	15	-0.02
Wet foliar interception fraction of leafy vegetables	12	-0.02	12	-0.02	18	0.00	18	0.00
Humidity in air	15	0.01	15	0.01	13	0.03	13	0.02
Cover erosion rate	9	-0.04	9	-0.04	8	0.07	8	0.05
Kd of C-14 in Contaminated Zone	13	-0.02	13	-0.02	12	-0.03	12	-0.03
Kd of C-14 in Saturated Zone	16	-0.01	16	-0.01	1	-0.55	1	-0.52
Well pump intake depth	1	-0.27	1	-0.27	2	-0.37	2	-0.31

R-SQUARE	0.10	0.10	0.40	0.40
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-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 BURIED PIPE INSITU UA C-14.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
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Contaminated zone erosion rate	3	0.07	3	0.07	13	0.04	13	0.04
Contaminated zone b parameter	9	-0.05	9	-0.04	5	-0.11	5	-0.09
Evapotranspiration coefficient	2	0.10	2	0.10	3	0.18	3	0.15
Wind Speed	6	0.05	6	0.05	7	0.05	7	0.04
Runoff coefficient	5	0.05	5	0.05	8	0.05	8	0.04
b Parameter of Unsaturated zone 1	15	0.02	15	0.02	15	-0.04	15	-0.03
Mass loading for inhalation	11	-0.04	11	-0.04	12	-0.05	12	-0.04
Indoor dust filtration factor	4	0.05	4	0.05	10	0.05	10	0.04
Depth of soil mixing layer	17	-0.01	17	-0.01	17	0.01	17	0.01
Depth of roots	7	0.05	7	0.05	9	-0.05	9	-0.04
Wet weight crop yield of fruit, grain and non-leafy vegetables	13	-0.02	13	-0.02	14	-0.04	14	-0.03
Weathering removal constant of all vegetation	14	0.02	14	0.02	16	0.03	16	0.02
Wet foliar interception fraction of leafy vegetables	8	-0.05	8	-0.04	18	0.00	18	0.00
Humidity in air	16	0.02	16	0.02	11	0.05	11	0.04
Cover erosion rate	18	0.00	18	0.00	6	0.07	6	0.05
Kd of C-14 in Contaminated Zone	10	-0.04	10	-0.04	4	-0.15	4	-0.13
Kd of C-14 in Saturated Zone	12	-0.04	12	-0.04	1	-0.49	1	-0.47
Well pump intake depth	1	-0.24	1	-0.23	2	-0.24	2	-0.21

R-SQUARE	0.09	0.09	0.33	0.33
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-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.