

Probabilistic results summary : RESRAD Default Parameters

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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	-3.22	1.1															
17	DCACTS(1)	LOGNORMAL-N	-3.22	1.1															
18	DWIBWT	CONTINUOUS LINEAR	6	5	0	24	.29	43	.66	53	.68	76	.95	89	1				

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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
Tc-99										
Min	0.00E+00	1.01E-03	1.01E-03	4.13E-04	5.03E-27	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	2.13E+00	3.65E-02	3.65E-02	2.12E-02	5.82E-03	1.57E-04	5.19E-09	1.07E-24	0.00E+00	0.00E+00
Avg	5.55E-02	6.95E-03	6.93E-03	3.77E-03	1.21E-04	4.69E-07	7.09E-12	9.10E-28	0.00E+00	0.00E+00
Std	2.41E-01	4.23E-03	4.24E-03	2.43E-03	4.79E-04	5.74E-06	1.55E-10	0.00E+00	0.00E+00	0.00E+00
ALL										
Min	0.00E+00	1.01E-03	1.01E-03	4.13E-04	5.03E-27	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	2.13E+00	3.65E-02	3.65E-02	2.12E-02	5.82E-03	1.57E-04	5.19E-09	1.07E-24	0.00E+00	0.00E+00
Avg	5.55E-02	6.95E-03	6.93E-03	3.77E-03	1.21E-04	4.69E-07	7.09E-12	9.10E-28	0.00E+00	0.00E+00
Std	2.41E-01	4.23E-03	4.24E-03	2.43E-03	4.79E-04	5.74E-06	1.55E-10	0.00E+00	0.00E+00	0.00E+00

ALL is total dose summed for all nuclides.

Probabilistic Risk Summary

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
Tc-99									
Min		6.07E-22	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		3.80E-20	1.23E-19	1.28E-18	1.54E-18	1.09E-26	0.00E+00	0.00E+00	0.00E+00
Avg		3.14E-21	4.46E-22	9.63E-22	1.03E-21	1.98E-29	0.00E+00	0.00E+00	0.00E+00
Std		3.19E-21	3.52E-21	3.32E-20	3.97E-20	0.00E+00	0.00E+00	0.00E+00	0.00E+00
U-235									
Min		6.07E-22	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		3.80E-20	1.23E-19	1.28E-18	1.54E-18	1.09E-26	0.00E+00	0.00E+00	0.00E+00
Avg		3.14E-21	4.46E-22	9.63E-22	1.03E-21	1.98E-29	0.00E+00	0.00E+00	0.00E+00
Std		3.19E-21	3.52E-21	3.32E-20	3.97E-20	0.00E+00	0.00E+00	0.00E+00	0.00E+00

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
Tc-99									
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	1.37E-21	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg		0.00E+00	0.00E+00	0.00E+00	9.10E-25	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std		0.00E+00	0.00E+00	0.00E+00	3.52E-23	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Tc-99									
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	1.37E-21	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg		0.00E+00	0.00E+00	0.00E+00	9.10E-25	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std		0.00E+00	0.00E+00	0.00E+00	3.52E-23	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Tc-99 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
Tc-99									
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
Tc-99									
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
Tc-99									
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

Tc-99 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
Tc-99									
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		2.60E-02	1.19E-02	3.85E-03	1.04E-04	3.43E-09	7.09E-25	0.00E+00	0.00E+00
Avg		2.57E-03	2.66E-04	3.52E-05	2.95E-07	4.67E-12	5.94E-28	0.00E+00	0.00E+00
Std		3.42E-03	1.12E-03	2.41E-04	3.82E-06	1.01E-10	0.00E+00	0.00E+00	0.00E+00
Tc-99									
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		2.60E-02	1.19E-02	3.85E-03	1.04E-04	3.43E-09	7.09E-25	0.00E+00	0.00E+00
Avg		2.57E-03	2.66E-04	3.52E-05	2.95E-07	4.67E-12	5.94E-28	0.00E+00	0.00E+00
Std		3.42E-03	1.12E-03	2.41E-04	3.82E-06	1.01E-10	0.00E+00	0.00E+00	0.00E+00

Tc-99 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
Tc-99									
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		6.63E-06	3.06E-06	9.51E-07	2.57E-08	8.48E-13	1.75E-28	0.00E+00	0.00E+00
Avg		9.41E-07	7.44E-08	9.13E-09	7.38E-11	1.16E-15	1.47E-31	0.00E+00	0.00E+00
Std		9.45E-07	2.95E-07	6.12E-08	9.48E-10	2.50E-14	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		6.63E-06	3.06E-06	9.51E-07	2.57E-08	8.48E-13	1.75E-28	0.00E+00	0.00E+00
Avg		9.41E-07	7.44E-08	9.13E-09	7.38E-11	1.16E-15	1.47E-31	0.00E+00	0.00E+00
Std		9.45E-07	2.95E-07	6.12E-08	9.48E-10	2.50E-14	0.00E+00	0.00E+00	0.00E+00

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
Tc-99									
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		5.32E-04	2.45E-04	7.73E-05	2.09E-06	6.89E-11	1.42E-26	0.00E+00	0.00E+00
Avg		6.26E-05	5.78E-06	7.29E-07	5.97E-09	9.39E-14	1.19E-29	0.00E+00	0.00E+00
Std		7.37E-05	2.34E-05	4.93E-06	7.69E-08	2.03E-12	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		5.32E-04	2.45E-04	7.73E-05	2.09E-06	6.89E-11	1.42E-26	0.00E+00	0.00E+00
Avg		6.26E-05	5.78E-06	7.29E-07	5.97E-09	9.39E-14	1.19E-29	0.00E+00	0.00E+00
Std		7.37E-05	2.34E-05	4.93E-06	7.69E-08	2.03E-12	0.00E+00	0.00E+00	0.00E+00

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
Tc-99									
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	3.31E-30	4.42E-19	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg		0.00E+00	0.00E+00	2.21E-33	2.94E-22	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std		0.00E+00	0.00E+00	0.00E+00	1.14E-20	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Tc-99									
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	3.31E-30	4.42E-19	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg		0.00E+00	0.00E+00	2.21E-33	2.94E-22	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std		0.00E+00	0.00E+00	0.00E+00	1.14E-20	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Tc-99									
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	3.31E-30	4.42E-19	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg		0.00E+00	0.00E+00	2.21E-33	2.94E-22	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std		0.00E+00	0.00E+00	0.00E+00	1.14E-20	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Tc-99 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
<hr/>									
Tc-99									
Min		3.89E-04	3.47E-04	3.01E-27	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		9.13E-03	7.31E-03	3.09E-03	3.61E-05	1.19E-09	2.46E-25	0.00E+00	0.00E+00
Avg		3.50E-03	2.81E-03	6.38E-05	1.21E-07	1.67E-12	2.16E-28	0.00E+00	0.00E+00
Std		2.10E-03	1.63E-03	2.51E-04	1.44E-06	3.76E-11	0.00E+00	0.00E+00	0.00E+00
ALL									
Min		3.89E-04	3.47E-04	3.01E-27	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		9.13E-03	7.31E-03	3.09E-03	3.61E-05	1.19E-09	2.46E-25	0.00E+00	0.00E+00
Avg		3.50E-03	2.81E-03	6.38E-05	1.21E-07	1.67E-12	2.16E-28	0.00E+00	0.00E+00
Std		2.10E-03	1.63E-03	2.51E-04	1.44E-06	3.76E-11	0.00E+00	0.00E+00	0.00E+00
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ALL is total pathway dose summed for all nuclides.

Probabilistic results summary : RESRAD Default Parameters

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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
<hr/>									
Tc-99									
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
<hr/>									
Tc-99									
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 results summary : RESRAD Default Parameters

File : C:\USERS\DNF\DOCUMENTS\FT CALHOUN\RESRAD INPUT FILES\BP INSITU UA\FCS BURIED PIPE INSITU UA TC-99.RAD

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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Tc-99									
Min		6.88E-05	6.07E-05	1.17E-27	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		4.07E-03	3.51E-03	1.03E-03	1.44E-05	4.74E-10	9.80E-26	0.00E+00	0.00E+00
Avg		7.54E-04	6.50E-04	2.00E-05	4.52E-08	6.36E-13	8.42E-29	0.00E+00	0.00E+00
Std		5.45E-04	4.96E-04	7.64E-05	5.45E-07	1.46E-11	0.00E+00	0.00E+00	0.00E+00
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ΣALL									
Min		6.88E-05	6.07E-05	1.17E-27	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		4.07E-03	3.51E-03	1.03E-03	1.44E-05	4.74E-10	9.80E-26	0.00E+00	0.00E+00
Avg		7.54E-04	6.50E-04	2.00E-05	4.52E-08	6.36E-13	8.42E-29	0.00E+00	0.00E+00
Std		5.45E-04	4.96E-04	7.64E-05	5.45E-07	1.46E-11	0.00E+00	0.00E+00	0.00E+00
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ΣALL is total pathway dose summed for all nuclides.

Probabilistic results summary : RESRAD Default Parameters

File : C:\USERS\DNF\DOCUMENTS\FT CALHOUN\RESRAD INPUT FILES\BP INSITU UA\FCS BURIED PIPE INSITU UA TC-99.RAD

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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Tc-99									
Min		6.86E-08	5.86E-08	5.35E-29	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		2.15E-06	1.91E-06	7.86E-07	9.15E-09	3.02E-13	6.23E-29	0.00E+00	0.00E+00
Avg		6.97E-07	6.37E-07	1.58E-08	2.85E-11	4.12E-16	5.36E-32	0.00E+00	0.00E+00
Std		4.34E-07	3.79E-07	5.91E-08	3.55E-10	9.52E-15	0.00E+00	0.00E+00	0.00E+00
ALL									
Min		6.86E-08	5.86E-08	5.35E-29	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		2.15E-06	1.91E-06	7.86E-07	9.15E-09	3.02E-13	6.23E-29	0.00E+00	0.00E+00
Avg		6.97E-07	6.37E-07	1.58E-08	2.85E-11	4.12E-16	5.36E-32	0.00E+00	0.00E+00
Std		4.34E-07	3.79E-07	5.91E-08	3.55E-10	9.52E-15	0.00E+00	0.00E+00	0.00E+00
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ALL is total pathway dose summed for all nuclides.

Probabilistic results summary : RESRAD Default Parameters

File : C:\USERS\DNF\DOCUMENTS\FT CALHOUN\RESRAD INPUT FILES\BP INSITU UA\FCS BURIED PIPE INSITU UA TC-99.RAD

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
<hr/>									
Tc-99									
Min		3.67E-06	3.19E-06	7.88E-28	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		1.40E-04	1.25E-04	4.89E-05	5.66E-07	1.87E-11	3.86E-27	0.00E+00	0.00E+00
Avg		4.20E-05	3.70E-05	9.11E-07	1.71E-09	2.53E-14	3.34E-30	0.00E+00	0.00E+00
Std		2.67E-05	2.28E-05	3.50E-06	2.17E-08	5.89E-13	0.00E+00	0.00E+00	0.00E+00
ALL									
Min		3.67E-06	3.19E-06	7.88E-28	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		1.40E-04	1.25E-04	4.89E-05	5.66E-07	1.87E-11	3.86E-27	0.00E+00	0.00E+00
Avg		4.20E-05	3.70E-05	9.11E-07	1.71E-09	2.53E-14	3.34E-30	0.00E+00	0.00E+00
Std		2.67E-05	2.28E-05	3.50E-06	2.17E-08	5.89E-13	0.00E+00	0.00E+00	0.00E+00
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ALL 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	1.00E+03
0.025		1.79E-03	1.09E-03	8.36E-21	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.050		2.12E-03	1.18E-03	2.79E-19	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.075		2.42E-03	1.28E-03	8.53E-18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.100		2.63E-03	1.36E-03	6.07E-17	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.125		2.87E-03	1.42E-03	3.19E-16	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.150		3.04E-03	1.48E-03	1.26E-15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.175		3.24E-03	1.57E-03	3.23E-15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.200		3.43E-03	1.64E-03	9.00E-15	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.225		3.66E-03	1.73E-03	3.50E-14	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.250		3.88E-03	1.86E-03	1.11E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.275		4.07E-03	1.96E-03	3.71E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.300		4.20E-03	2.08E-03	9.54E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.325		4.41E-03	2.25E-03	2.79E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.350		4.56E-03	2.35E-03	7.01E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.375		4.74E-03	2.50E-03	1.46E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.400		4.99E-03	2.63E-03	3.55E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.425		5.21E-03	2.74E-03	7.66E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.450		5.44E-03	2.86E-03	1.99E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.475		5.63E-03	2.98E-03	4.84E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.500		5.86E-03	3.08E-03	1.18E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.525		6.12E-03	3.21E-03	2.65E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.550		6.39E-03	3.39E-03	5.74E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.575		6.70E-03	3.53E-03	1.07E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.600		7.02E-03	3.65E-03	2.31E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.625		7.43E-03	3.81E-03	4.13E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.650		7.80E-03	4.00E-03	8.47E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.675		8.09E-03	4.25E-03	1.86E-07	3.67E-29	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.700		8.41E-03	4.52E-03	4.46E-07	1.42E-27	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.725		8.72E-03	4.82E-03	7.53E-07	9.12E-26	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.750		9.16E-03	5.16E-03	1.75E-06	9.89E-24	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.775		9.45E-03	5.48E-03	3.74E-06	4.68E-22	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.800		9.84E-03	5.83E-03	7.50E-06	2.27E-20	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.825		1.03E-02	6.22E-03	1.70E-05	1.07E-18	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.850		1.09E-02	6.52E-03	3.30E-05	6.03E-17	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.875		1.14E-02	6.88E-03	7.26E-05	1.14E-14	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.900		1.21E-02	7.17E-03	1.63E-04	7.92E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.925		1.32E-02	7.64E-03	3.82E-04	7.78E-11	1.79E-28	0.00E+00	0.00E+00	0.00E+00
0.950		1.54E-02	8.22E-03	7.71E-04	6.99E-09	2.82E-22	0.00E+00	0.00E+00	0.00E+00
0.975		1.77E-02	9.38E-03	1.58E-03	4.86E-07	6.16E-17	0.00E+00	0.00E+00	0.00E+00
1.000		3.65E-02	2.12E-02	5.82E-03	1.57E-04	5.19E-09	1.07E-24	0.00E+00	0.00E+00

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	1.01E-03	2.98E-02	6.97E-03	5.66E-03	1.24E-02	1.55E-02	1.80E-02	2.44E-02
1.00E+00	8.11E-04	1.32E-02	3.78E-03	3.00E-03	7.35E-03	8.22E-03	9.94E-03	1.21E-02
1.06E+00	8.11E-04	1.29E-02	3.55E-03	2.76E-03	6.92E-03	7.92E-03	9.62E-03	1.17E-02
1.12E+00	7.61E-04	1.26E-02	3.30E-03	2.58E-03	6.49E-03	7.69E-03	9.30E-03	1.13E-02
1.19E+00	6.28E-04	1.22E-02	3.03E-03	2.30E-03	6.02E-03	7.34E-03	8.94E-03	1.07E-02
1.25E+00	5.12E-04	1.18E-02	2.74E-03	2.03E-03	5.52E-03	6.88E-03	8.43E-03	9.93E-03
1.33E+00	3.56E-04	1.14E-02	2.43E-03	1.71E-03	5.03E-03	6.74E-03	7.95E-03	9.32E-03
1.40E+00	1.97E-04	1.09E-02	2.09E-03	1.41E-03	4.53E-03	6.29E-03	7.59E-03	8.68E-03
1.49E+00	4.56E-05	1.03E-02	1.73E-03	1.11E-03	4.06E-03	5.90E-03	7.27E-03	8.30E-03
1.57E+00	7.08E-06	9.77E-03	1.39E-03	7.96E-04	3.72E-03	5.40E-03	6.70E-03	7.91E-03
1.66E+00	1.01E-06	9.11E-03	1.11E-03	5.05E-04	3.12E-03	4.82E-03	6.31E-03	7.05E-03
1.76E+00	9.08E-08	8.44E-03	8.82E-04	2.66E-04	2.67E-03	4.39E-03	5.71E-03	6.68E-03
1.86E+00	3.53E-09	7.77E-03	7.06E-04	1.07E-04	2.33E-03	3.87E-03	5.29E-03	6.38E-03
1.97E+00	1.13E-10	7.11E-03	5.69E-04	3.68E-05	1.96E-03	3.37E-03	4.81E-03	6.03E-03
2.09E+00	2.98E-12	6.49E-03	4.62E-04	1.35E-05	1.56E-03	2.77E-03	4.36E-03	5.66E-03
2.21E+00	6.34E-14	5.88E-03	3.75E-04	4.05E-06	1.23E-03	2.36E-03	3.75E-03	5.23E-03
2.34E+00	8.33E-16	5.30E-03	3.03E-04	1.20E-06	1.01E-03	2.00E-03	2.99E-03	4.77E-03
2.47E+00	6.47E-18	4.75E-03	2.46E-04	2.68E-07	8.46E-04	1.68E-03	2.56E-03	4.26E-03
2.62E+00	3.79E-20	4.28E-03	1.99E-04	7.21E-08	6.47E-04	1.37E-03	2.27E-03	3.83E-03
2.77E+00	1.64E-22	3.84E-03	1.61E-04	1.40E-08	4.28E-04	1.11E-03	1.93E-03	3.48E-03
2.93E+00	5.20E-25	3.43E-03	1.29E-04	2.48E-09	2.76E-04	9.13E-04	1.59E-03	3.05E-03
3.00E+00	4.66E-26	3.27E-03	1.18E-04	1.31E-09	2.26E-04	8.43E-04	1.42E-03	2.88E-03
3.310E+00	1.18E-27	3.05E-03	1.03E-04	3.90E-10	1.63E-04	7.37E-04	1.23E-03	2.64E-03
3.328E+00	1.13E-30	2.68E-03	8.33E-05	6.66E-11	7.80E-05	5.82E-04	1.04E-03	2.29E-03
3.48E+00	0.00E+00	2.35E-03	6.72E-05	7.51E-12	4.19E-05	4.53E-04	8.25E-04	2.12E-03
3.68E+00	0.00E+00	2.30E-03	5.40E-05	8.93E-13	2.10E-05	2.94E-04	6.94E-04	1.80E-03
3.89E+00	0.00E+00	2.31E-03	4.36E-05	7.26E-14	1.24E-05	2.12E-04	5.45E-04	1.51E-03
4.12E+00	0.00E+00	2.31E-03	3.56E-05	6.78E-15	5.50E-06	1.49E-04	3.92E-04	1.26E-03
4.36E+00	0.00E+00	2.31E-03	2.91E-05	5.08E-16	2.91E-06	1.05E-04	2.88E-04	1.09E-03
4.61E+00	0.00E+00	2.30E-03	2.39E-05	3.42E-17	1.22E-06	5.37E-05	2.26E-04	9.43E-04
4.88E+00	0.00E+00	2.29E-03	1.95E-05	2.20E-18	6.49E-07	3.81E-05	1.75E-04	6.83E-04
5.17E+00	0.00E+00	2.28E-03	1.59E-05	1.06E-19	2.71E-07	2.71E-05	1.33E-04	5.42E-04
5.47E+00	0.00E+00	2.29E-03	1.29E-05	3.65E-21	1.21E-07	1.95E-05	7.94E-05	4.26E-04
5.78E+00	0.00E+00	2.29E-03	1.09E-05	1.23E-22	5.10E-08	1.18E-05	5.58E-05	3.29E-04
6.12E+00	0.00E+00	2.29E-03	9.43E-06	3.80E-24	1.82E-08	7.60E-06	3.91E-05	2.51E-04
6.48E+00	0.00E+00	2.29E-03	8.24E-06	7.21E-26	7.56E-09	4.79E-06	2.68E-05	1.88E-04
6.86E+00	0.00E+00	1.83E-03	6.38E-06	1.57E-27	2.52E-09	2.94E-06	1.80E-05	1.39E-04
7.26E+00	0.00E+00	9.26E-04	3.85E-06	2.68E-29	8.78E-10	1.75E-06	1.17E-05	1.01E-04
7.68E+00	0.00E+00	1.70E-04	1.56E-06	0.00E+00	3.00E-10	1.02E-06	7.27E-06	5.73E-05
8.13E+00	0.00E+00	1.29E-04	1.04E-06	0.00E+00	9.41E-11	2.74E-07	3.26E-06	3.93E-05
8.60E+00	0.00E+00	9.66E-05	7.33E-07	0.00E+00	2.64E-11	1.44E-07	1.93E-06	2.65E-05
9.10E+00	0.00E+00	7.10E-05	5.09E-07	0.00E+00	3.92E-12	7.55E-08	1.11E-06	1.74E-05
9.63E+00	0.00E+00	5.13E-05	3.47E-07	0.00E+00	9.32E-13	3.81E-08	5.94E-07	1.12E-05
1.00E+01	0.00E+00	4.08E-05	2.66E-07	0.00E+00	3.42E-13	2.36E-08	3.80E-07	8.19E-06
1.02E+01	0.00E+00	3.63E-05	2.33E-07	0.00E+00	2.04E-13	1.85E-08	3.02E-07	6.98E-06
1.08E+01	0.00E+00	2.52E-05	1.53E-07	0.00E+00	4.12E-14	8.60E-09	1.47E-07	4.25E-06
1.14E+01	0.00E+00	1.71E-05	9.84E-08	0.00E+00	7.61E-15	3.83E-09	6.88E-08	2.51E-06
1.21E+01	0.00E+00	1.14E-05	6.20E-08	0.00E+00	1.27E-15	1.63E-09	3.08E-08	1.44E-06
1.28E+01	0.00E+00	7.38E-06	3.82E-08	0.00E+00	1.92E-16	6.58E-10	1.32E-08	7.98E-07
1.35E+01	0.00E+00	4.67E-06	2.30E-08	0.00E+00	2.59E-17	2.52E-10	5.35E-09	4.28E-07
1.43E+01	0.00E+00	2.87E-06	1.35E-08	0.00E+00	3.10E-18	9.16E-11	2.06E-09	2.21E-07
1.51E+01	0.00E+00	1.72E-06	7.67E-09	0.00E+00	3.29E-19	3.14E-11	7.69E-10	1.10E-07
1.60E+01	0.00E+00	1.00E-06	4.25E-09	0.00E+00	3.07E-20	9.70E-12	2.77E-10	5.25E-08
1.70E+01	0.00E+00	5.63E-07	2.29E-09	0.00E+00	2.49E-21	2.58E-12	9.44E-11	2.43E-08
1.80E+01	0.00E+00	3.06E-07	1.19E-09	0.00E+00	1.75E-22	6.35E-13	3.03E-11	1.09E-08
1.90E+01	0.00E+00	1.61E-07	5.98E-10	0.00E+00	1.05E-23	1.44E-13	9.15E-12	4.64E-09

2.01E+01 0.00E+00 8.15E-08 2.90E-10 0.00E+00 5.37E-25 3.00E-14 2.58E-12 1.89E-09

2.13E+01 0.00E+00 3.97E-08 1.35E-10 0.00E+00 2.31E-26 5.69E-15 6.76E-13 7.27E-10

2.25E+01	0.00E+00	1.85E-08	6.07E-11	0.00E+00	8.27E-28	9.81E-16	1.65E-13	2.65E-10
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2.38E+01	0.00E+00	8.26E-09	2.61E-11	0.00E+00	2.41E-29	1.53E-16	3.74E-14	9.12E-11
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2.52E+01	0.00E+00	3.51E-09	1.07E-11	0.00E+00	0.00E+00	2.13E-17	7.83E-15	2.95E-11
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2.67E+01	0.00E+00	1.42E-09	4.19E-12	0.00E+00	0.00E+00	2.66E-18	1.51E-15	8.92E-12
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2.82E+01	0.00E+00	5.47E-10	1.56E-12	0.00E+00	0.00E+00	2.93E-19	2.66E-16	2.52E-12
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2.99E+01	0.00E+00	1.99E-10	5.48E-13	0.00E+00	0.00E+00	2.84E-20	4.28E-17	6.60E-13
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3.00E+01	0.00E+00	1.85E-10	5.08E-13	0.00E+00	0.00E+00	2.40E-20	3.75E-17	5.99E-13
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3.16E+01	0.00E+00	6.82E-11	1.82E-13	0.00E+00	0.00E+00	2.41E-21	6.24E-18	1.60E-13
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3.35E+01	0.00E+00	2.19E-11	5.70E-14	0.00E+00	0.00E+00	1.76E-22	8.20E-19	3.57E-14
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3.54E+01	0.00E+00	6.62E-12	1.67E-14	0.00E+00	0.00E+00	1.11E-23	9.66E-20	7.31E-15
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3.75E+01	0.00E+00	1.86E-12	4.57E-15	0.00E+00	0.00E+00	5.96E-25	1.01E-20	1.36E-15
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3.97E+01	0.00E+00	4.85E-13	1.17E-15	0.00E+00	0.00E+00	2.70E-26	9.35E-22	2.31E-16
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4.20E+01 0.00E+00 1.17E-13 2.75E-16 0.00E+00 0.00E+00 1.02E-27 7.57E-23 3.52E-17

4.44E+01	0.00E+00	2.60E-14	5.99E-17	0.00E+00	0.00E+00	3.13E-29	5.32E-24	4.82E-18
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4.70E+01	0.00E+00	5.30E-15	1.20E-17	0.00E+00	0.00E+00	0.00E+00	3.22E-25	5.87E-19
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4.97E+01	0.00E+00	9.83E-16	2.18E-18	0.00E+00	0.00E+00	0.00E+00	1.66E-26	6.32E-20
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5.26E+01	0.00E+00	1.65E-16	3.61E-19	0.00E+00	0.00E+00	0.00E+00	7.21E-28	5.98E-21
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5.57E+01	0.00E+00	2.51E-17	5.40E-20	0.00E+00	0.00E+00	0.00E+00	2.57E-29	4.93E-22
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5.90E+01	0.00E+00	3.40E-18	7.24E-21	0.00E+00	0.00E+00	0.00E+00	5.45E-31	3.52E-23
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6.24E+01	0.00E+00	4.12E-19	8.66E-22	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.15E-24
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6.60E+01 0.00E+00 4.40E-20 9.18E-23 0.00E+00 0.00E+00 0.00E+00 0.00E+00 1.12E-25

6.99E+01	0.00E+00	4.13E-21	8.54E-24	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.89E-27
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7.39E+01	0.00E+00	3.38E-22	6.94E-25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.77E-28
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7.82E+01	0.00E+00	2.39E-23	4.88E-26	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.66E-30
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8.28E+01	0.00E+00	1.45E-24	2.94E-27	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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8.76E+01	0.00E+00	7.43E-26	1.51E-28	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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9.27E+01	0.00E+00	3.22E-27	6.49E-30	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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9.81E+01	0.00E+00	1.16E-28	2.31E-31	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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1.00E+02	0.00E+00	3.60E-29	7.20E-32	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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1.04E+02	0.00E+00	2.75E-30	5.51E-33	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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3.61E+02 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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Probabilistic results summary : RESRAD Default Parameters

File : C:\USERS\DNF\DOCUMENTS\FT CALHOUN\RESRAD INPUT FILES\BP INSITU UA\FCS BURIED PIPE INSITU UA TC-99.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	1.07E-03	3.65E-02	6.93E-03	5.88E-03	1.17E-02	1.52E-02	1.77E-02	2.20E-02
1.00E+00	7.48E-04	2.12E-02	3.78E-03	3.11E-03	7.25E-03	8.21E-03	9.22E-03	1.21E-02
1.06E+00	7.31E-04	2.05E-02	3.55E-03	2.90E-03	6.84E-03	7.69E-03	8.92E-03	1.19E-02
1.12E+00	6.87E-04	1.99E-02	3.30E-03	2.69E-03	6.37E-03	7.28E-03	8.56E-03	1.15E-02
1.19E+00	6.33E-04	1.91E-02	3.03E-03	2.44E-03	5.96E-03	6.78E-03	8.16E-03	1.11E-02
1.25E+00	5.11E-04	1.84E-02	2.74E-03	2.15E-03	5.39E-03	6.50E-03	7.71E-03	1.07E-02
1.33E+00	3.54E-04	1.75E-02	2.42E-03	1.83E-03	4.98E-03	6.05E-03	7.29E-03	1.02E-02
1.40E+00	1.94E-04	1.67E-02	2.08E-03	1.49E-03	4.46E-03	5.59E-03	6.97E-03	9.64E-03
1.49E+00	4.91E-05	1.58E-02	1.72E-03	1.14E-03	3.99E-03	5.24E-03	6.70E-03	8.89E-03
1.57E+00	7.19E-06	1.48E-02	1.38E-03	8.59E-04	3.41E-03	4.74E-03	6.38E-03	8.31E-03
1.66E+00	7.37E-07	1.38E-02	1.09E-03	5.08E-04	2.90E-03	4.27E-03	5.92E-03	7.91E-03
1.76E+00	2.53E-08	1.27E-02	8.69E-04	2.52E-04	2.40E-03	3.78E-03	5.41E-03	7.43E-03
1.86E+00	7.13E-10	1.16E-02	6.91E-04	9.73E-05	2.12E-03	3.23E-03	5.10E-03	6.69E-03
1.97E+00	1.63E-11	1.06E-02	5.51E-04	3.82E-05	1.72E-03	2.87E-03	4.78E-03	6.00E-03
2.09E+00	3.01E-13	9.52E-03	4.42E-04	1.36E-05	1.44E-03	2.55E-03	4.37E-03	5.65E-03
2.21E+00	4.38E-15	8.54E-03	3.58E-04	4.11E-06	1.14E-03	2.18E-03	3.93E-03	5.29E-03
2.34E+00	4.99E-17	7.61E-03	2.92E-04	1.13E-06	8.69E-04	1.83E-03	3.37E-03	4.93E-03
2.47E+00	4.38E-19	6.73E-03	2.38E-04	2.95E-07	6.66E-04	1.54E-03	2.96E-03	4.50E-03
2.62E+00	2.91E-21	5.91E-03	1.94E-04	7.06E-08	4.98E-04	1.24E-03	2.43E-03	4.23E-03
2.77E+00	1.45E-23	5.16E-03	1.59E-04	1.51E-08	3.07E-04	9.79E-04	2.04E-03	3.89E-03
2.93E+00	5.29E-26	4.46E-03	1.30E-04	3.11E-09	1.81E-04	7.91E-04	1.67E-03	3.56E-03
3.00E+00	5.03E-27	4.20E-03	1.20E-04	1.59E-09	1.55E-04	7.53E-04	1.57E-03	3.41E-03
3.10E+00	1.39E-28	3.86E-03	1.07E-04	4.70E-10	1.21E-04	6.73E-04	1.39E-03	3.19E-03
3.28E+00	0.00E+00	3.34E-03	8.86E-05	7.32E-11	7.11E-05	5.34E-04	1.09E-03	2.83E-03
3.48E+00	0.00E+00	3.02E-03	7.21E-05	1.14E-11	4.06E-05	4.17E-04	8.95E-04	2.44E-03
3.68E+00	0.00E+00	2.71E-03	5.82E-05	1.37E-12	2.08E-05	3.05E-04	7.56E-04	1.82E-03
3.89E+00	0.00E+00	2.42E-03	4.69E-05	1.61E-13	1.22E-05	1.69E-04	6.04E-04	1.63E-03
4.12E+00	0.00E+00	2.14E-03	3.75E-05	1.59E-14	7.63E-06	1.19E-04	4.87E-04	1.44E-03
4.36E+00	0.00E+00	1.89E-03	2.98E-05	1.50E-15	4.42E-06	7.75E-05	3.88E-04	1.24E-03
4.61E+00	0.00E+00	1.65E-03	2.35E-05	9.10E-17	2.27E-06	4.82E-05	2.81E-04	9.85E-04
4.88E+00	0.00E+00	1.43E-03	1.86E-05	5.02E-18	1.08E-06	2.38E-05	1.83E-04	7.74E-04
5.17E+00	0.00E+00	1.23E-03	1.49E-05	2.15E-19	4.91E-07	1.57E-05	1.04E-04	6.00E-04
5.47E+00	0.00E+00	1.05E-03	1.21E-05	1.02E-20	2.07E-07	8.30E-06	7.20E-05	4.98E-04
5.78E+00	0.00E+00	8.84E-04	9.64E-06	4.48E-22	8.50E-08	5.02E-06	4.89E-05	4.04E-04
6.12E+00	0.00E+00	7.39E-04	7.51E-06	1.51E-23	2.96E-08	2.95E-06	3.31E-05	2.68E-04
6.48E+00	0.00E+00	6.11E-04	5.69E-06	4.08E-25	1.04E-08	1.69E-06	2.22E-05	2.04E-04
6.86E+00	0.00E+00	5.00E-04	4.33E-06	9.81E-27	4.06E-09	9.67E-07	1.45E-05	1.52E-04
7.26E+00	0.00E+00	4.04E-04	3.32E-06	1.69E-28	1.23E-09	5.42E-07	7.63E-06	1.12E-04
7.68E+00	0.00E+00	3.23E-04	2.53E-06	1.64E-30	3.51E-10	2.93E-07	4.71E-06	8.08E-05
8.13E+00	0.00E+00	2.54E-04	1.91E-06	0.00E+00	9.49E-11	1.53E-07	2.84E-06	5.72E-05
8.60E+00	0.00E+00	1.98E-04	1.43E-06	0.00E+00	2.73E-11	6.10E-08	1.62E-06	3.98E-05
9.10E+00	0.00E+00	1.51E-04	1.05E-06	0.00E+00	7.34E-12	2.81E-08	8.83E-07	2.70E-05
9.63E+00	0.00E+00	1.14E-04	7.66E-07	0.00E+00	1.84E-12	1.24E-08	4.65E-07	1.80E-05
1.00E+01	0.00E+00	9.38E-05	6.15E-07	0.00E+00	6.89E-13	6.97E-09	2.97E-07	1.35E-05
1.02E+01	0.00E+00	8.48E-05	5.50E-07	0.00E+00	3.74E-13	5.19E-09	2.36E-07	1.17E-05
1.08E+01	0.00E+00	6.18E-05	3.88E-07	0.00E+00	5.92E-14	2.07E-09	1.15E-07	7.39E-06
1.14E+01	0.00E+00	4.42E-05	2.70E-07	0.00E+00	1.14E-14	7.83E-10	5.40E-08	4.56E-06
1.21E+01	0.00E+00	3.11E-05	1.84E-07	0.00E+00	2.02E-15	2.79E-10	2.42E-08	2.73E-06
1.28E+01	0.00E+00	2.14E-05	1.23E-07	0.00E+00	3.25E-16	8.46E-11	1.04E-08	1.59E-06
1.35E+01	0.00E+00	1.44E-05	8.11E-08	0.00E+00	4.39E-17	2.69E-11	4.22E-09	8.96E-07
1.43E+01	0.00E+00	9.45E-06	5.21E-08	0.00E+00	4.84E-18	8.01E-12	1.63E-09	4.89E-07
1.51E+01	0.00E+00	6.06E-06	3.28E-08	0.00E+00	4.70E-19	2.22E-12	5.99E-10	2.57E-07
1.60E+01	0.00E+00	3.79E-06	2.01E-08	0.00E+00	3.97E-20	5.73E-13	2.07E-10	1.30E-07
1.70E+01	0.00E+00	2.31E-06	1.20E-08	0.00E+00	2.92E-21	1.37E-13	6.75E-11	6.36E-08
1.80E+01	0.00E+00	1.36E-06	6.98E-09	0.00E+00	1.84E-22	2.99E-14	2.07E-11	2.97E-08
1.90E+01	0.00E+00	7.82E-07	3.94E-09	0.00E+00	9.88E-24	6.00E-15	6.03E-12	1.33E-08

2.01E+01 0.00E+00 4.34E-07 2.15E-09 0.00E+00 3.63E-25 1.10E-15 1.63E-12 5.67E-09

2.13E+01	0.00E+00	2.33E-07	1.14E-09	0.00E+00	1.57E-26	1.81E-16	4.11E-13	2.30E-09
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2.25E+01 0.00E+00 1.20E-07 5.82E-10 0.00E+00 4.92E-28 2.69E-17 9.53E-14 8.87E-10

2.38E+01	0.00E+00	5.98E-08	2.86E-10	0.00E+00	1.20E-29	3.53E-18	2.03E-14	3.23E-10
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2.52E+01	0.00E+00	2.86E-08	1.35E-10	0.00E+00	0.00E+00	4.12E-19	3.95E-15	1.11E-10
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2.67E+01	0.00E+00	1.31E-08	6.12E-11	0.00E+00	0.00E+00	4.25E-20	7.00E-16	3.58E-11
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2.82E+01	0.00E+00	5.72E-09	2.65E-11	0.00E+00	0.00E+00	3.83E-21	1.12E-16	1.08E-11
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2.99E+01	0.00E+00	2.39E-09	1.09E-11	0.00E+00	0.00E+00	3.00E-22	1.61E-17	3.06E-12
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3.00E+01	0.00E+00	2.24E-09	1.03E-11	0.00E+00	0.00E+00	2.50E-22	1.40E-17	2.79E-12
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3.16E+01	0.00E+00	9.45E-10	4.29E-12	0.00E+00	0.00E+00	2.03E-23	2.07E-18	8.00E-13
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3.35E+01	0.00E+00	3.54E-10	1.59E-12	0.00E+00	0.00E+00	1.17E-24	2.36E-19	1.94E-13
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3.54E+01	0.00E+00	1.26E-10	5.60E-13	0.00E+00	0.00E+00	5.74E-26	2.37E-20	4.32E-14
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3.75E+01	0.00E+00	4.19E-11	1.85E-13	0.00E+00	0.00E+00	2.36E-27	2.09E-21	8.84E-15
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3.97E+01	0.00E+00	1.31E-11	5.75E-14	0.00E+00	0.00E+00	7.96E-29	1.59E-22	1.65E-15
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4.20E+01	0.00E+00	3.83E-12	1.67E-14	0.00E+00	0.00E+00	1.57E-30	1.05E-23	2.78E-16
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4.44E+01	0.00E+00	1.04E-12	4.51E-15	0.00E+00	0.00E+00	0.00E+00	5.88E-25	4.24E-17
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4.70E+01	0.00E+00	2.63E-13	1.13E-15	0.00E+00	0.00E+00	0.00E+00	2.79E-26	5.79E-18
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4.97E+01	0.00E+00	6.14E-14	2.61E-16	0.00E+00	0.00E+00	0.00E+00	1.11E-27	7.04E-19
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5.26E+01	0.00E+00	1.31E-14	5.54E-17	0.00E+00	0.00E+00	0.00E+00	3.61E-29	7.57E-20
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5.57E+01	0.00E+00	2.57E-15	1.07E-17	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.14E-21
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5.90E+01	0.00E+00	4.57E-16	1.90E-18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.88E-22
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6.24E+01	0.00E+00	7.35E-17	3.03E-19	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.18E-23
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6.60E+01	0.00E+00	1.06E-17	4.35E-20	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.55E-24
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6.99E+01	0.00E+00	1.37E-18	5.58E-21	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.32E-25
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7.39E+01	0.00E+00	1.57E-19	6.36E-22	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.77E-27
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7.82E+01	0.00E+00	1.59E-20	6.39E-23	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.10E-28
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8.28E+01	0.00E+00	1.41E-21	5.62E-24	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.43E-30
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8.76E+01	0.00E+00	1.08E-22	4.29E-25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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9.27E+01	0.00E+00	7.14E-24	2.82E-26	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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9.81E+01	0.00E+00	4.03E-25	1.59E-27	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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1.00E+02	0.00E+00	1.49E-25	5.86E-28	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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1.04E+02	0.00E+00	1.92E-26	7.55E-29	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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1.10E+02	0.00E+00	7.69E-28	3.01E-30	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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1.16E+02	0.00E+00	2.51E-29	9.67E-32	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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[illegible]

[illegible]

```
1.38E+02      0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00
```

[illegible]

[illegible]

```
1.63E+02      0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00
```

```
1.73E+02      0.00E+00   0.00E+00   0.00E+00   0.00E+00   0.00E+00   0.00E+00   0.00E+00   0.00E+00
```


[illegible]

[illegible]

[illegible]

[illegible]

```
2.29E+02      0.00E+00   0.00E+00   0.00E+00   0.00E+00   0.00E+00   0.00E+00   0.00E+00   0.00E+00
```

[illegible]

[illegible]

[illegible]

[illegible]

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[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

```
6.01E+02      0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00
```

[illegible]

[illegible]

[illegible]

```
7.53E+02      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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[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

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	1.01E-03	2.59E-02	6.89E-03	5.98E-03	1.20E-02	1.59E-02	1.77E-02	2.04E-02
1.00E+00	4.13E-04	1.37E-02	3.76E-03	3.10E-03	7.07E-03	8.40E-03	9.46E-03	1.21E-02
1.06E+00	4.12E-04	1.34E-02	3.54E-03	2.88E-03	6.75E-03	8.13E-03	9.30E-03	1.17E-02
1.12E+00	4.12E-04	1.31E-02	3.29E-03	2.63E-03	6.34E-03	7.73E-03	9.10E-03	1.12E-02
1.19E+00	4.12E-04	1.28E-02	3.02E-03	2.35E-03	5.90E-03	7.28E-03	8.72E-03	1.08E-02
1.25E+00	4.11E-04	1.25E-02	2.73E-03	2.04E-03	5.50E-03	6.91E-03	8.18E-03	1.03E-02
1.33E+00	3.12E-04	1.22E-02	2.41E-03	1.75E-03	5.10E-03	6.56E-03	7.65E-03	9.81E-03
1.40E+00	1.67E-04	1.18E-02	2.08E-03	1.44E-03	4.54E-03	6.04E-03	6.96E-03	9.24E-03
1.49E+00	3.79E-05	1.15E-02	1.72E-03	1.12E-03	4.13E-03	5.74E-03	6.45E-03	8.63E-03
1.57E+00	5.09E-06	1.11E-02	1.38E-03	7.71E-04	3.52E-03	5.15E-03	6.05E-03	8.20E-03
1.66E+00	6.43E-07	1.08E-02	1.09E-03	4.80E-04	3.05E-03	4.43E-03	5.75E-03	7.46E-03
1.76E+00	4.09E-08	1.04E-02	8.66E-04	2.47E-04	2.61E-03	3.99E-03	5.45E-03	6.75E-03
1.86E+00	1.52E-09	1.00E-02	6.89E-04	1.00E-04	2.27E-03	3.55E-03	5.15E-03	6.07E-03
1.97E+00	4.64E-11	9.58E-03	5.52E-04	3.15E-05	1.93E-03	3.33E-03	4.72E-03	5.43E-03
2.09E+00	1.16E-12	9.13E-03	4.45E-04	1.01E-05	1.53E-03	3.02E-03	4.32E-03	4.82E-03
2.21E+00	2.33E-14	8.67E-03	3.61E-04	2.99E-06	1.09E-03	2.52E-03	3.88E-03	4.38E-03
2.34E+00	3.74E-16	8.16E-03	2.94E-04	7.36E-07	8.34E-04	1.96E-03	3.44E-03	3.87E-03
2.47E+00	4.72E-18	7.63E-03	2.42E-04	1.89E-07	6.66E-04	1.50E-03	3.17E-03	3.69E-03
2.62E+00	4.61E-20	7.09E-03	1.98E-04	4.02E-08	4.65E-04	1.21E-03	2.68E-03	3.36E-03
2.77E+00	3.44E-22	6.55E-03	1.63E-04	7.96E-09	3.37E-04	8.91E-04	2.32E-03	3.36E-03
2.93E+00	1.93E-24	6.03E-03	1.34E-04	1.74E-09	2.39E-04	8.00E-04	1.92E-03	3.29E-03
3.00E+00	2.20E-25	5.82E-03	1.24E-04	8.63E-10	1.87E-04	7.50E-04	1.72E-03	3.21E-03
3.310E+00	8.01E-27	5.52E-03	1.10E-04	2.90E-10	1.37E-04	6.28E-04	1.53E-03	3.08E-03
3.328E+00	2.39E-29	5.03E-03	8.98E-05	4.26E-11	7.17E-05	3.97E-04	1.24E-03	2.52E-03
3.48E+00	0.00E+00	4.55E-03	7.40E-05	6.00E-12	3.99E-05	2.83E-04	1.01E-03	2.08E-03
3.68E+00	0.00E+00	4.10E-03	6.13E-05	7.91E-13	2.20E-05	2.33E-04	8.31E-04	1.79E-03
3.89E+00	0.00E+00	3.67E-03	4.98E-05	9.32E-14	1.15E-05	1.49E-04	6.21E-04	1.53E-03
4.12E+00	0.00E+00	3.27E-03	4.07E-05	8.62E-15	6.36E-06	9.22E-05	4.98E-04	1.30E-03
4.36E+00	0.00E+00	3.17E-03	3.31E-05	6.08E-16	3.47E-06	6.27E-05	4.21E-04	9.90E-04
4.61E+00	0.00E+00	3.05E-03	2.65E-05	4.19E-17	1.74E-06	4.09E-05	2.97E-04	7.93E-04
4.88E+00	0.00E+00	2.77E-03	2.18E-05	2.04E-18	7.46E-07	1.98E-05	2.22E-04	6.62E-04
5.17E+00	0.00E+00	2.33E-03	1.78E-05	6.57E-20	3.47E-07	1.25E-05	1.63E-04	5.47E-04
5.47E+00	0.00E+00	1.78E-03	1.41E-05	2.64E-21	1.56E-07	7.76E-06	1.18E-04	4.48E-04
5.578E+00	0.00E+00	1.38E-03	1.09E-05	8.96E-23	7.24E-08	4.67E-06	8.34E-05	3.61E-04
6.12E+00	0.00E+00	1.16E-03	8.26E-06	2.38E-24	2.97E-08	2.73E-06	5.78E-05	2.88E-04
6.48E+00	0.00E+00	9.67E-04	6.07E-06	4.86E-26	1.28E-08	1.55E-06	3.93E-05	2.27E-04
6.86E+00	0.00E+00	7.96E-04	4.50E-06	1.02E-27	5.08E-09	8.47E-07	2.11E-05	1.67E-04
7.26E+00	0.00E+00	6.48E-04	3.35E-06	1.68E-29	1.88E-09	4.31E-07	1.37E-05	1.20E-04
7.68E+00	0.00E+00	5.21E-04	2.47E-06	0.00E+00	5.81E-10	2.25E-07	8.68E-06	8.81E-05
8.13E+00	0.00E+00	4.14E-04	1.81E-06	0.00E+00	1.88E-10	1.12E-07	5.41E-06	6.52E-05
8.60E+00	0.00E+00	3.24E-04	1.31E-06	0.00E+00	5.95E-11	5.41E-08	3.40E-06	4.74E-05
9.10E+00	0.00E+00	2.50E-04	9.38E-07	0.00E+00	1.76E-11	2.53E-08	2.08E-06	3.38E-05
9.63E+00	0.00E+00	1.90E-04	6.65E-07	0.00E+00	4.33E-12	1.12E-08	1.24E-06	2.33E-05
1.00E+01	0.00E+00	1.57E-04	5.26E-07	0.00E+00	1.77E-12	6.31E-09	8.62E-07	1.78E-05
1.02E+01	0.00E+00	1.42E-04	4.66E-07	0.00E+00	1.12E-12	4.70E-09	7.02E-07	1.55E-05
1.08E+01	0.00E+00	1.05E-04	3.23E-07	0.00E+00	2.67E-13	1.88E-09	3.84E-07	9.90E-06
1.14E+01	0.00E+00	7.58E-05	2.21E-07	0.00E+00	5.59E-14	6.82E-10	2.05E-07	5.37E-06
1.21E+01	0.00E+00	5.38E-05	1.49E-07	0.00E+00	1.01E-14	2.32E-10	1.05E-07	2.81E-06
1.28E+01	0.00E+00	3.74E-05	9.93E-08	0.00E+00	1.72E-15	7.45E-11	5.23E-08	1.42E-06
1.35E+01	0.00E+00	2.55E-05	6.49E-08	0.00E+00	2.76E-16	2.23E-11	2.49E-08	6.93E-07
1.43E+01	0.00E+00	1.70E-05	4.17E-08	0.00E+00	3.98E-17	6.24E-12	1.14E-08	3.62E-07
1.51E+01	0.00E+00	1.10E-05	2.63E-08	0.00E+00	5.15E-18	1.62E-12	4.82E-09	1.82E-07
1.60E+01	0.00E+00	7.00E-06	1.62E-08	0.00E+00	5.91E-19	3.88E-13	1.90E-09	8.81E-08
1.70E+01	0.00E+00	4.33E-06	9.79E-09	0.00E+00	5.95E-20	8.57E-14	7.08E-10	4.08E-08
1.80E+01	0.00E+00	2.60E-06	5.76E-09	0.00E+00	5.06E-21	1.73E-14	2.50E-10	1.81E-08
1.90E+01	0.00E+00	1.51E-06	3.30E-09	0.00E+00	3.74E-22	3.21E-15	8.28E-11	7.65E-09

2.01E+01	0.00E+00	8.56E-07	1.84E-09	0.00E+00	2.37E-23	5.47E-16	2.58E-11	3.08E-09
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2.13E+01	0.00E+00	4.68E-07	9.90E-10	0.00E+00	1.28E-24	8.42E-17	7.49E-12	1.17E-09
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2.25E+01	0.00E+00	2.47E-07	5.17E-10	0.00E+00	5.85E-26	1.16E-17	2.03E-12	4.24E-10
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2.38E+01	0.00E+00	1.25E-07	2.60E-10	0.00E+00	2.23E-27	1.43E-18	5.09E-13	1.44E-10
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2.52E+01 0.00E+00 6.13E-08 1.26E-10 0.00E+00 6.96E-29 1.55E-19 1.18E-13 4.60E-11

2.67E+01	0.00E+00	2.87E-08	5.88E-11	0.00E+00	1.22E-30	1.48E-20	2.51E-14	1.37E-11
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2.82E+01	0.00E+00	1.29E-08	2.62E-11	0.00E+00	0.00E+00	1.24E-21	4.88E-15	3.83E-12
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2.99E+01	0.00E+00	5.51E-09	1.12E-11	0.00E+00	0.00E+00	8.93E-23	8.63E-16	9.89E-13
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3.00E+01	0.00E+00	5.19E-09	1.05E-11	0.00E+00	0.00E+00	7.39E-23	7.62E-16	8.97E-13
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3.16E+01	0.00E+00	2.25E-09	4.54E-12	0.00E+00	0.00E+00	5.53E-24	1.38E-16	2.36E-13
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3.35E+01	0.00E+00	8.68E-10	1.75E-12	0.00E+00	0.00E+00	2.91E-25	1.99E-17	5.19E-14
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3.54E+01	0.00E+00	3.17E-10	6.38E-13	0.00E+00	0.00E+00	1.29E-26	2.56E-18	1.05E-14
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3.75E+01	0.00E+00	1.10E-10	2.20E-13	0.00E+00	0.00E+00	4.77E-28	2.92E-19	1.92E-15
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3.97E+01	0.00E+00	3.55E-11	7.12E-14	0.00E+00	0.00E+00	1.44E-29	2.94E-20	3.18E-16
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4.20E+01	0.00E+00	1.08E-11	2.16E-14	0.00E+00	0.00E+00	0.00E+00	2.60E-21	4.76E-17
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4.44E+01	0.00E+00	3.05E-12	6.11E-15	0.00E+00	0.00E+00	0.00E+00	1.99E-22	6.37E-18
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4.70E+01	0.00E+00	8.03E-13	1.61E-15	0.00E+00	0.00E+00	0.00E+00	1.32E-23	7.59E-19
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4.97E+01	0.00E+00	1.96E-13	3.91E-16	0.00E+00	0.00E+00	0.00E+00	7.44E-25	7.98E-20
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5.26E+01	0.00E+00	4.39E-14	8.78E-17	0.00E+00	0.00E+00	0.00E+00	3.56E-26	7.37E-21
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5.57E+01	0.00E+00	9.01E-15	1.80E-17	0.00E+00	0.00E+00	0.00E+00	1.43E-27	5.92E-22
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5.90E+01	0.00E+00	1.69E-15	3.38E-18	0.00E+00	0.00E+00	0.00E+00	4.71E-29	4.10E-23
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6.24E+01	0.00E+00	2.87E-16	5.75E-19	0.00E+00	0.00E+00	0.00E+00	6.43E-31	2.44E-24
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6.60E+01	0.00E+00	4.41E-17	8.81E-20	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.23E-25
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6.99E+01	0.00E+00	6.06E-18	1.21E-20	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.19E-27
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7.39E+01	0.00E+00	7.42E-19	1.48E-21	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.82E-28
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7.82E+01	0.00E+00	8.04E-20	1.61E-22	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.36E-30
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8.28E+01	0.00E+00	7.65E-21	1.53E-23	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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8.76E+01	0.00E+00	6.35E-22	1.27E-24	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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9.27E+01	0.00E+00	4.56E-23	9.13E-26	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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9.81E+01	0.00E+00	2.81E-24	5.62E-27	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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1.00E+02	0.00E+00	1.07E-24	2.14E-27	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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1.04E+02	0.00E+00	1.47E-25	2.94E-28	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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1.10E+02	0.00E+00	6.49E-27	1.30E-29	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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1.16E+02	0.00E+00	2.38E-28	4.76E-31	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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1.23E+02	0.00E+00	6.45E-30	1.29E-32	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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[illegible]

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1.38E+02      0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00
```


[illegible]

[illegible]

[illegible]

```

1.73E+02      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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[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

```
3.61E+02      0.00E+00   0.00E+00   0.00E+00   0.00E+00   0.00E+00   0.00E+00   0.00E+00   0.00E+00
```

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]


```
6.01E+02      0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00
```

[illegible]

[illegible]

```

7.12E+02      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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[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

Probabilistic results summary : RESRAD Default Parameters

File : C:\USERS\DNF\DOCUMENTS\FT CALHOUN\RESRAD INPUT FILES\BP INSITU UA\FCS BURIED PIPE INSITU UA TC-99.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	6.971E-03
2	0.000E+00	6.929E-03
3	0.000E+00	6.889E-03

Title : RESRAD Default Parameters
Input File : FCS BURIED PIPE INSITU UA TC-99.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	13	-0.03	13	-0.02	7	-0.11	7	-0.06
Contaminated zone b parameter	12	-0.05	12	-0.03	14	-0.02	14	-0.01
Evapotranspiration coefficient	2	0.56	2	0.46	2	0.58	2	0.39
Wind Speed	16	-0.02	16	-0.02	13	0.02	13	0.01
Runoff coefficient	3	0.20	3	0.14	4	0.23	4	0.13
b Parameter of Unsaturated zone 1	6	-0.10	6	-0.07	9	-0.08	9	-0.05
Mass loading for inhalation	8	0.08	8	0.05	17	0.01	17	0.01
Indoor dust filtration factor	15	-0.03	15	-0.02	15	-0.01	15	-0.01
Depth of soil mixing layer	9	-0.07	9	-0.05	10	-0.07	10	-0.04
Depth of roots	11	0.05	11	0.04	5	0.21	5	0.12
Wet weight crop yield of fruit, grain and non-leafy vegetables	17	0.01	17	0.01	16	-0.01	16	-0.01
Weathering removal constant of all vegetation	5	-0.10	5	-0.07	8	-0.08	8	-0.05
Wet foliar interception fraction of leafy vegetables	10	-0.07	10	-0.05	11	-0.06	11	-0.03
Humidity in air	14	0.03	14	0.02	18	-0.01	18	0.00
Cover erosion rate	18	-0.01	18	-0.01	12	-0.05	12	-0.03
Kd of Tc-99 in Contaminated Zone	7	0.10	7	0.07	6	0.16	6	0.09
Kd of Tc-99 in Saturated Zone	4	-0.17	4	-0.12	3	-0.26	3	-0.15
Well pump intake depth	1	-0.61	1	-0.52	1	-0.77	1	-0.67
R-SQUARE	0.54		0.54		0.69		0.69	

-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 TC-99.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	13	-0.03	13	-0.02	9	-0.04	9	-0.03
Contaminated zone b parameter	17	0.01	17	0.01	16	0.00	16	0.00
Evapotranspiration coefficient	2	0.52	2	0.43	2	0.54	2	0.37
Wind Speed	11	-0.05	11	-0.04	10	-0.04	10	-0.02
Runoff coefficient	3	0.17	3	0.12	4	0.26	4	0.15
b Parameter of Unsaturated zone 1	15	0.03	15	0.02	14	0.01	14	0.01
Mass loading for inhalation	12	0.05	12	0.03	17	0.00	17	0.00
Indoor dust filtration factor	10	-0.06	10	-0.04	12	-0.02	12	-0.01
Depth of soil mixing layer	9	0.07	9	0.05	8	0.08	8	0.04
Depth of roots	7	0.09	7	0.07	5	0.23	5	0.13
Wet weight crop yield of fruit, grain and non-leafy vegetables	18	0.00	18	0.00	11	-0.03	11	-0.02
Weathering removal constant of all vegetation	6	-0.13	6	-0.09	7	-0.14	7	-0.08
Wet foliar interception fraction of leafy vegetables	14	0.03	14	0.02	15	0.01	15	0.00
Humidity in air	16	0.01	16	0.01	18	0.00	18	0.00
Cover erosion rate	8	-0.08	8	-0.06	13	-0.02	13	-0.01
Kd of Tc-99 in Contaminated Zone	4	0.16	4	0.11	6	0.18	6	0.11
Kd of Tc-99 in Saturated Zone	5	-0.14	5	-0.11	3	-0.28	3	-0.17
Well pump intake depth	1	-0.57	1	-0.50	1	-0.76	1	-0.67

R-SQUARE	0.49	0.49	0.67	0.67
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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 TC-99.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	11	0.03	11	0.02	13	-0.03	13	-0.01
Contaminated zone b parameter	15	0.02	15	0.01	15	0.02	15	0.01
Evapotranspiration coefficient	2	0.56	2	0.46	2	0.56	2	0.39
Wind Speed	13	0.03	13	0.02	9	0.05	9	0.03
Runoff coefficient	4	0.15	4	0.10	4	0.20	4	0.12
b Parameter of Unsaturated zone 1	12	0.03	12	0.02	17	0.01	17	0.00
Mass loading for inhalation	14	-0.02	14	-0.02	18	0.00	18	0.00
Indoor dust filtration factor	8	-0.05	8	-0.04	12	-0.04	12	-0.02
Depth of soil mixing layer	17	0.00	17	0.00	14	0.03	14	0.01
Depth of roots	6	0.13	6	0.09	3	0.22	3	0.13
Wet weight crop yield of fruit, grain and non-leafy vegetables	18	0.00	18	0.00	8	-0.05	8	-0.03
Weathering removal constant of all vegetation	9	-0.05	9	-0.03	7	-0.09	7	-0.05
Wet foliar interception fraction of leafy vegetables	7	-0.08	7	-0.05	16	-0.01	16	-0.01
Humidity in air	16	0.01	16	0.01	11	0.05	11	0.03
Cover erosion rate	10	-0.03	10	-0.02	10	-0.05	10	-0.03
Kd of Tc-99 in Contaminated Zone	5	0.14	5	0.09	6	0.14	6	0.08
Kd of Tc-99 in Saturated Zone	3	-0.16	3	-0.11	5	-0.19	5	-0.11
Well pump intake depth	1	-0.63	1	-0.54	1	-0.76	1	-0.68

R-SQUARE	0.55	0.55	0.66	0.66
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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.