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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	5.99	.0001																								
17	DCACTS(1)	LOGNORMAL-N	5.99	.0001																								
18	DWIBWT	CONTINUOUS LINEAR	6	5	0	24														.29	43	.66	53	.68	76	.95	89	1

Probabilistic Total Dose Summary

Nuclide (j)	Peak	Peak	DOSE(j,t), mrem/yr							
	Time	Dose	t= 0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
Ce-144										
Min	0.00E+00	5.10E-06	5.10E-06	2.11E-06	3.59E-07	7.33E-10	4.50E-18	0.00E+00	0.00E+00	0.00E+00
Max	6.11E+00	2.35E-04	2.35E-04	9.65E-05	2.32E-05	4.09E-06	7.46E-14	0.00E+00	0.00E+00	0.00E+00
Avg	1.95E-02	8.37E-05	8.34E-05	3.41E-05	5.74E-06	4.49E-08	7.82E-16	0.00E+00	0.00E+00	0.00E+00
Std	3.12E-01	4.68E-05	4.68E-05	1.90E-05	3.21E-06	3.35E-07	5.15E-15	0.00E+00	0.00E+00	0.00E+00
ALL										
Min	0.00E+00	5.10E-06	5.10E-06	2.11E-06	3.59E-07	7.33E-10	4.50E-18	0.00E+00	0.00E+00	0.00E+00
Max	6.11E+00	2.35E-04	2.35E-04	9.65E-05	2.32E-05	4.09E-06	7.46E-14	0.00E+00	0.00E+00	0.00E+00
Avg	1.95E-02	8.37E-05	8.34E-05	3.41E-05	5.74E-06	4.49E-08	7.82E-16	0.00E+00	0.00E+00	0.00E+00
Std	3.12E-01	4.68E-05	4.68E-05	1.90E-05	3.21E-06	3.35E-07	5.15E-15	0.00E+00	0.00E+00	0.00E+00

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
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Ce-144									
Min		3.90E-10	1.61E-10	2.75E-11	5.61E-14	3.72E-22	0.00E+00	0.00E+00	0.00E+00
Max		2.36E-08	9.66E-09	2.06E-09	1.43E-10	2.57E-18	0.00E+00	0.00E+00	0.00E+00
Avg		8.68E-09	3.55E-09	5.95E-10	2.21E-12	3.88E-20	0.00E+00	0.00E+00	0.00E+00
Std		5.06E-09	2.06E-09	3.45E-10	1.11E-11	1.75E-19	0.00E+00	0.00E+00	0.00E+00
ALL									
Min		3.90E-10	1.61E-10	2.75E-11	5.61E-14	3.72E-22	0.00E+00	0.00E+00	0.00E+00
Max		2.36E-08	9.66E-09	2.06E-09	1.43E-10	2.57E-18	0.00E+00	0.00E+00	0.00E+00
Avg		8.68E-09	3.55E-09	5.95E-10	2.21E-12	3.88E-20	0.00E+00	0.00E+00	0.00E+00
Std		5.06E-09	2.06E-09	3.45E-10	1.11E-11	1.75E-19	0.00E+00	0.00E+00	0.00E+00
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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
Ce-144									
Min		4.14E-08	1.65E-08	2.64E-09	4.27E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		1.35E-07	5.31E-07	8.20E-06	4.06E-06	7.41E-14	0.00E+00	0.00E+00	0.00E+00
Avg		4.29E-08	2.02E-08	2.27E-08	3.41E-08	6.00E-16	0.00E+00	0.00E+00	0.00E+00
Std		6.17E-09	2.58E-08	2.92E-07	3.34E-07	5.14E-15	0.00E+00	0.00E+00	0.00E+00
ALL									
Min		4.14E-08	1.65E-08	2.64E-09	4.27E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		1.35E-07	5.31E-07	8.20E-06	4.06E-06	7.41E-14	0.00E+00	0.00E+00	0.00E+00
Avg		4.29E-08	2.02E-08	2.27E-08	3.41E-08	6.00E-16	0.00E+00	0.00E+00	0.00E+00
Std		6.17E-09	2.58E-08	2.92E-07	3.34E-07	5.14E-15	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
Ce-144									
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	2.45E-11	7.19E-11	9.58E-19	0.00E+00	0.00E+00	0.00E+00
Avg		0.00E+00	0.00E+00	1.63E-14	2.64E-13	4.45E-21	0.00E+00	0.00E+00	0.00E+00
Std		0.00E+00	0.00E+00	6.31E-13	3.15E-12	4.76E-20	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	2.45E-11	7.19E-11	9.58E-19	0.00E+00	0.00E+00	0.00E+00
Avg		0.00E+00	0.00E+00	1.63E-14	2.64E-13	4.45E-21	0.00E+00	0.00E+00	0.00E+00
Std		0.00E+00	0.00E+00	6.31E-13	3.15E-12	4.76E-20	0.00E+00	0.00E+00	0.00E+00

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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Ce-144									
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									
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
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Ce-144									
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		1.65E-04	6.79E-05	1.75E-05	3.11E-08	8.97E-16	0.00E+00	0.00E+00	0.00E+00
Avg		6.44E-05	2.63E-05	4.38E-06	8.05E-09	1.25E-16	0.00E+00	0.00E+00	0.00E+00
Std		4.35E-05	1.77E-05	2.97E-06	5.53E-09	9.36E-17	0.00E+00	0.00E+00	0.00E+00
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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		1.65E-04	6.79E-05	1.75E-05	3.11E-08	8.97E-16	0.00E+00	0.00E+00	0.00E+00
Avg		6.44E-05	2.63E-05	4.38E-06	8.05E-09	1.25E-16	0.00E+00	0.00E+00	0.00E+00
Std		4.35E-05	1.77E-05	2.97E-06	5.53E-09	9.36E-17	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): 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
Ce-144									
Min		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		9.04E-09	3.71E-09	9.57E-10	7.10E-11	9.90E-19	0.00E+00	0.00E+00	0.00E+00
Avg		3.52E-09	1.44E-09	2.40E-10	7.55E-13	1.29E-20	0.00E+00	0.00E+00	0.00E+00
Std		2.38E-09	9.69E-10	1.63E-10	3.24E-12	5.78E-20	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		9.04E-09	3.71E-09	9.57E-10	7.10E-11	9.90E-19	0.00E+00	0.00E+00	0.00E+00
Avg		3.52E-09	1.44E-09	2.40E-10	7.55E-13	1.29E-20	0.00E+00	0.00E+00	0.00E+00
Std		2.38E-09	9.69E-10	1.63E-10	3.24E-12	5.78E-20	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
Ce-144									
Min		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		9.64E-08	3.96E-08	1.03E-08	3.26E-10	4.67E-18	0.00E+00	0.00E+00	0.00E+00
Avg		3.75E-08	1.53E-08	2.55E-09	6.15E-12	1.01E-19	0.00E+00	0.00E+00	0.00E+00
Std		2.54E-08	1.03E-08	1.74E-09	1.53E-11	2.72E-19	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		9.64E-08	3.96E-08	1.03E-08	3.26E-10	4.67E-18	0.00E+00	0.00E+00	0.00E+00
Avg		3.75E-08	1.53E-08	2.55E-09	6.15E-12	1.01E-19	0.00E+00	0.00E+00	0.00E+00
Std		2.54E-08	1.03E-08	1.74E-09	1.53E-11	2.72E-19	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
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Ce-144									
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	2.39E-09	5.35E-09	7.31E-17	0.00E+00	0.00E+00	0.00E+00
Avg		0.00E+00	0.00E+00	1.59E-12	2.42E-11	4.61E-19	0.00E+00	0.00E+00	0.00E+00
Std		0.00E+00	0.00E+00	6.17E-11	2.44E-10	4.32E-18	0.00E+00	0.00E+00	0.00E+00
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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		0.00E+00	0.00E+00	2.39E-09	5.35E-09	7.31E-17	0.00E+00	0.00E+00	0.00E+00
Avg		0.00E+00	0.00E+00	1.59E-12	2.42E-11	4.61E-19	0.00E+00	0.00E+00	0.00E+00
Std		0.00E+00	0.00E+00	6.17E-11	2.44E-10	4.32E-18	0.00E+00	0.00E+00	0.00E+00
<hr/>									

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
Ce-144									
Min		4.80E-06	1.99E-06	3.38E-07	6.77E-10	3.63E-18	0.00E+00	0.00E+00	0.00E+00
Max		8.48E-05	3.48E-05	5.85E-06	1.15E-08	2.09E-16	0.00E+00	0.00E+00	0.00E+00
Avg		1.73E-05	7.16E-06	1.23E-06	2.54E-09	5.24E-17	0.00E+00	0.00E+00	0.00E+00
Std		1.48E-05	6.08E-06	1.02E-06	2.02E-09	3.84E-17	0.00E+00	0.00E+00	0.00E+00
ALL									
Min		4.80E-06	1.99E-06	3.38E-07	6.77E-10	3.63E-18	0.00E+00	0.00E+00	0.00E+00
Max		8.48E-05	3.48E-05	5.85E-06	1.15E-08	2.09E-16	0.00E+00	0.00E+00	0.00E+00
Avg		1.73E-05	7.16E-06	1.23E-06	2.54E-09	5.24E-17	0.00E+00	0.00E+00	0.00E+00
Std		1.48E-05	6.08E-06	1.02E-06	2.02E-09	3.84E-17	0.00E+00	0.00E+00	0.00E+00

ALL 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
<hr/>									
Ce-144									
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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Ce-144									
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 CE-144.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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Ce-144									
Min		1.20E-07	5.04E-08	8.90E-09	1.93E-11	2.83E-19	0.00E+00	0.00E+00	0.00E+00
Max		2.29E-05	9.41E-06	1.58E-06	3.10E-09	5.65E-17	0.00E+00	0.00E+00	0.00E+00
Avg		1.60E-06	6.62E-07	1.13E-07	2.35E-10	4.82E-18	0.00E+00	0.00E+00	0.00E+00
Std		1.99E-06	8.20E-07	1.39E-07	2.77E-10	5.31E-18	0.00E+00	0.00E+00	0.00E+00
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ALL									
Min		1.20E-07	5.04E-08	8.90E-09	1.93E-11	2.83E-19	0.00E+00	0.00E+00	0.00E+00
Max		2.29E-05	9.41E-06	1.58E-06	3.10E-09	5.65E-17	0.00E+00	0.00E+00	0.00E+00
Avg		1.60E-06	6.62E-07	1.13E-07	2.35E-10	4.82E-18	0.00E+00	0.00E+00	0.00E+00
Std		1.99E-06	8.20E-07	1.39E-07	2.77E-10	5.31E-18	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): 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
Ce-144									
Min		1.80E-10	7.42E-11	1.27E-11	2.58E-14	2.03E-22	0.00E+00	0.00E+00	0.00E+00
Max		4.73E-09	1.93E-09	3.22E-10	6.12E-13	1.11E-20	0.00E+00	0.00E+00	0.00E+00
Avg		7.73E-10	3.20E-10	5.49E-11	1.14E-13	2.34E-21	0.00E+00	0.00E+00	0.00E+00
Std		6.81E-10	2.80E-10	4.72E-11	9.33E-14	1.77E-21	0.00E+00	0.00E+00	0.00E+00
ALL									
Min		1.80E-10	7.42E-11	1.27E-11	2.58E-14	2.03E-22	0.00E+00	0.00E+00	0.00E+00
Max		4.73E-09	1.93E-09	3.22E-10	6.12E-13	1.11E-20	0.00E+00	0.00E+00	0.00E+00
Avg		7.73E-10	3.20E-10	5.49E-11	1.14E-13	2.34E-21	0.00E+00	0.00E+00	0.00E+00
Std		6.81E-10	2.80E-10	4.72E-11	9.33E-14	1.77E-21	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 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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Ce-144									
Min		1.17E-09	4.84E-10	8.28E-11	1.71E-13	1.37E-21	0.00E+00	0.00E+00	0.00E+00
Max		3.79E-08	1.55E-08	2.58E-09	4.93E-12	9.05E-20	0.00E+00	0.00E+00	0.00E+00
Avg		5.66E-09	2.34E-09	4.02E-10	8.33E-13	1.71E-20	0.00E+00	0.00E+00	0.00E+00
Std		5.12E-09	2.10E-09	3.55E-10	7.03E-13	1.34E-20	0.00E+00	0.00E+00	0.00E+00
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ALL									
Min		1.17E-09	4.84E-10	8.28E-11	1.71E-13	1.37E-21	0.00E+00	0.00E+00	0.00E+00
Max		3.79E-08	1.55E-08	2.58E-09	4.93E-12	9.05E-20	0.00E+00	0.00E+00	0.00E+00
Avg		5.66E-09	2.34E-09	4.02E-10	8.33E-13	1.71E-20	0.00E+00	0.00E+00	0.00E+00
Std		5.12E-09	2.10E-09	3.55E-10	7.03E-13	1.34E-20	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 CE-144.RAD

Cumulative Probability Summary for: Total Dose Over Pathways

Cumulative Probability	Dose(t), mrem/yr							
	t= 0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
0.025	6.83E-06	2.86E-06	4.89E-07	1.03E-09	2.10E-17	0.00E+00	0.00E+00	0.00E+00
0.050	8.14E-06	3.44E-06	5.96E-07	1.26E-09	2.68E-17	0.00E+00	0.00E+00	0.00E+00
0.075	1.15E-05	4.84E-06	8.35E-07	1.77E-09	3.45E-17	0.00E+00	0.00E+00	0.00E+00
0.100	1.31E-05	5.52E-06	9.51E-07	2.02E-09	4.39E-17	0.00E+00	0.00E+00	0.00E+00
0.125	1.54E-05	6.47E-06	1.12E-06	2.41E-09	5.18E-17	0.00E+00	0.00E+00	0.00E+00
0.150	1.77E-05	7.38E-06	1.29E-06	2.80E-09	6.22E-17	0.00E+00	0.00E+00	0.00E+00
0.175	2.52E-05	1.06E-05	1.86E-06	3.88E-09	8.97E-17	0.00E+00	0.00E+00	0.00E+00
0.200	4.22E-05	1.76E-05	3.44E-06	6.59E-09	1.04E-16	0.00E+00	0.00E+00	0.00E+00
0.225	5.60E-05	2.29E-05	3.84E-06	7.15E-09	1.16E-16	0.00E+00	0.00E+00	0.00E+00
0.250	5.89E-05	2.40E-05	4.03E-06	7.58E-09	1.23E-16	0.00E+00	0.00E+00	0.00E+00
0.275	6.08E-05	2.48E-05	4.17E-06	7.86E-09	1.28E-16	0.00E+00	0.00E+00	0.00E+00
0.300	6.32E-05	2.59E-05	4.34E-06	8.18E-09	1.34E-16	0.00E+00	0.00E+00	0.00E+00
0.325	6.60E-05	2.69E-05	4.50E-06	8.50E-09	1.39E-16	0.00E+00	0.00E+00	0.00E+00
0.350	6.79E-05	2.77E-05	4.66E-06	8.76E-09	1.44E-16	0.00E+00	0.00E+00	0.00E+00
0.375	6.99E-05	2.86E-05	4.79E-06	8.99E-09	1.49E-16	0.00E+00	0.00E+00	0.00E+00
0.400	7.24E-05	2.95E-05	4.94E-06	9.32E-09	1.55E-16	0.00E+00	0.00E+00	0.00E+00
0.425	7.41E-05	3.03E-05	5.09E-06	9.72E-09	1.62E-16	0.00E+00	0.00E+00	0.00E+00
0.450	7.64E-05	3.14E-05	5.24E-06	9.97E-09	1.67E-16	0.00E+00	0.00E+00	0.00E+00
0.475	7.88E-05	3.22E-05	5.40E-06	1.02E-08	1.72E-16	0.00E+00	0.00E+00	0.00E+00
0.500	8.13E-05	3.32E-05	5.57E-06	1.06E-08	1.77E-16	0.00E+00	0.00E+00	0.00E+00
0.525	8.39E-05	3.44E-05	5.76E-06	1.10E-08	1.82E-16	0.00E+00	0.00E+00	0.00E+00
0.550	8.70E-05	3.56E-05	5.96E-06	1.13E-08	1.87E-16	0.00E+00	0.00E+00	0.00E+00
0.575	9.03E-05	3.68E-05	6.18E-06	1.17E-08	1.93E-16	0.00E+00	0.00E+00	0.00E+00
0.600	9.32E-05	3.80E-05	6.37E-06	1.21E-08	2.01E-16	0.00E+00	0.00E+00	0.00E+00
0.625	9.57E-05	3.91E-05	6.56E-06	1.26E-08	2.09E-16	0.00E+00	0.00E+00	0.00E+00
0.650	9.85E-05	4.04E-05	6.76E-06	1.29E-08	2.17E-16	0.00E+00	0.00E+00	0.00E+00
0.675	1.02E-04	4.17E-05	6.98E-06	1.34E-08	2.24E-16	0.00E+00	0.00E+00	0.00E+00
0.700	1.06E-04	4.36E-05	7.28E-06	1.39E-08	2.33E-16	0.00E+00	0.00E+00	0.00E+00
0.725	1.11E-04	4.53E-05	7.57E-06	1.45E-08	2.40E-16	0.00E+00	0.00E+00	0.00E+00
0.750	1.14E-04	4.66E-05	7.79E-06	1.49E-08	2.49E-16	0.00E+00	0.00E+00	0.00E+00
0.775	1.19E-04	4.84E-05	8.07E-06	1.56E-08	2.59E-16	0.00E+00	0.00E+00	0.00E+00
0.800	1.22E-04	4.98E-05	8.35E-06	1.62E-08	2.71E-16	0.00E+00	0.00E+00	0.00E+00
0.825	1.26E-04	5.17E-05	8.70E-06	1.69E-08	2.82E-16	0.00E+00	0.00E+00	0.00E+00
0.850	1.34E-04	5.47E-05	9.17E-06	1.76E-08	2.93E-16	0.00E+00	0.00E+00	0.00E+00
0.875	1.40E-04	5.71E-05	9.61E-06	1.84E-08	3.04E-16	0.00E+00	0.00E+00	0.00E+00
0.900	1.47E-04	6.04E-05	1.01E-05	1.94E-08	3.21E-16	0.00E+00	0.00E+00	0.00E+00
0.925	1.55E-04	6.33E-05	1.07E-05	2.07E-08	3.49E-16	0.00E+00	0.00E+00	0.00E+00
0.950	1.65E-04	6.71E-05	1.12E-05	2.22E-08	3.85E-16	0.00E+00	0.00E+00	0.00E+00
0.975	1.76E-04	7.16E-05	1.22E-05	2.48E-08	4.63E-16	0.00E+00	0.00E+00	0.00E+00
1.000	2.35E-04	9.65E-05	2.32E-05	4.09E-06	7.46E-14	0.00E+00	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	5.10E-06	2.35E-04	8.33E-05	8.07E-05	1.47E-04	1.61E-04	1.74E-04	1.86E-04
1.00E+00	2.11E-06	9.65E-05	3.41E-05	3.29E-05	6.00E-05	6.60E-05	7.07E-05	7.51E-05
1.06E+00	2.00E-06	9.16E-05	3.23E-05	3.13E-05	5.70E-05	6.26E-05	6.71E-05	7.12E-05
1.12E+00	1.89E-06	8.67E-05	3.06E-05	2.96E-05	5.39E-05	5.93E-05	6.35E-05	6.74E-05
1.19E+00	1.79E-06	8.18E-05	2.89E-05	2.79E-05	5.09E-05	5.60E-05	5.99E-05	6.35E-05
1.25E+00	1.68E-06	7.69E-05	2.71E-05	2.62E-05	4.78E-05	5.33E-05	5.63E-05	5.97E-05
1.33E+00	1.58E-06	7.21E-05	2.54E-05	2.46E-05	4.48E-05	5.04E-05	5.27E-05	5.59E-05
1.40E+00	1.47E-06	6.73E-05	2.37E-05	2.29E-05	4.18E-05	4.70E-05	4.92E-05	5.21E-05
1.49E+00	1.37E-06	6.26E-05	2.21E-05	2.13E-05	3.89E-05	4.37E-05	4.57E-05	4.84E-05
1.57E+00	1.27E-06	5.79E-05	2.04E-05	1.97E-05	3.60E-05	4.04E-05	4.23E-05	4.47E-05
1.66E+00	1.17E-06	5.34E-05	1.88E-05	1.82E-05	3.32E-05	3.72E-05	3.93E-05	4.12E-05
1.76E+00	1.07E-06	4.89E-05	1.72E-05	1.66E-05	3.07E-05	3.41E-05	3.60E-05	3.77E-05
1.86E+00	9.81E-07	4.47E-05	1.57E-05	1.52E-05	2.80E-05	3.11E-05	3.29E-05	3.44E-05
1.97E+00	8.91E-07	4.05E-05	1.43E-05	1.38E-05	2.54E-05	2.83E-05	2.98E-05	3.13E-05
2.09E+00	8.05E-07	3.66E-05	1.29E-05	1.24E-05	2.29E-05	2.55E-05	2.69E-05	2.85E-05
2.21E+00	7.23E-07	3.28E-05	1.16E-05	1.11E-05	2.05E-05	2.29E-05	2.41E-05	2.58E-05
2.34E+00	6.45E-07	2.93E-05	1.03E-05	9.92E-06	1.82E-05	2.04E-05	2.15E-05	2.32E-05
2.47E+00	5.72E-07	2.59E-05	9.13E-06	8.78E-06	1.61E-05	1.81E-05	1.90E-05	2.06E-05
2.62E+00	5.03E-07	2.28E-05	8.03E-06	7.76E-06	1.42E-05	1.59E-05	1.69E-05	1.81E-05
2.77E+00	4.40E-07	1.99E-05	7.01E-06	6.77E-06	1.24E-05	1.38E-05	1.49E-05	1.58E-05
2.93E+00	3.81E-07	1.72E-05	6.07E-06	5.87E-06	1.07E-05	1.20E-05	1.29E-05	1.37E-05
3.00E+00	3.59E-07	1.62E-05	5.72E-06	5.52E-06	1.01E-05	1.13E-05	1.21E-05	1.29E-05
3.310E+00	3.28E-07	1.48E-05	5.22E-06	5.03E-06	9.20E-06	1.03E-05	1.11E-05	1.19E-05
3.328E+00	2.79E-07	1.78E-05	4.46E-06	4.29E-06	7.83E-06	8.75E-06	9.48E-06	1.03E-05
3.48E+00	2.36E-07	2.44E-05	3.78E-06	3.61E-06	6.60E-06	7.37E-06	8.01E-06	8.65E-06
3.68E+00	1.97E-07	3.21E-05	3.18E-06	3.00E-06	5.51E-06	6.15E-06	6.67E-06	7.50E-06
3.89E+00	1.63E-07	4.18E-05	2.66E-06	2.48E-06	4.56E-06	5.10E-06	5.52E-06	6.25E-06
4.12E+00	1.33E-07	5.42E-05	2.22E-06	2.02E-06	3.72E-06	4.16E-06	4.50E-06	5.58E-06
4.36E+00	1.08E-07	6.91E-05	1.84E-06	1.63E-06	3.00E-06	3.35E-06	3.63E-06	4.50E-06
4.61E+00	8.62E-08	9.61E-05	1.56E-06	1.30E-06	2.39E-06	2.66E-06	2.90E-06	3.58E-06
4.88E+00	6.80E-08	1.48E-04	1.38E-06	1.02E-06	1.89E-06	2.11E-06	2.28E-06	2.81E-06
5.17E+00	5.29E-08	1.88E-04	1.23E-06	7.90E-07	1.46E-06	1.64E-06	1.77E-06	2.18E-06
5.47E+00	4.05E-08	2.07E-04	1.09E-06	6.06E-07	1.12E-06	1.25E-06	1.35E-06	1.80E-06
5.78E+00	3.06E-08	1.82E-04	9.06E-07	4.55E-07	8.44E-07	9.49E-07	1.02E-06	1.35E-06
6.12E+00	2.27E-08	1.30E-04	7.14E-07	3.36E-07	6.26E-07	7.03E-07	7.53E-07	1.06E-06
6.48E+00	1.65E-08	9.15E-05	5.84E-07	2.44E-07	4.55E-07	5.11E-07	5.48E-07	1.03E-06
6.86E+00	1.18E-08	6.29E-05	4.85E-07	1.74E-07	3.24E-07	3.65E-07	3.91E-07	1.06E-06
7.26E+00	8.32E-09	4.40E-05	3.79E-07	1.22E-07	2.27E-07	2.56E-07	2.74E-07	1.13E-06
7.68E+00	5.72E-09	3.20E-05	2.75E-07	8.33E-08	1.55E-07	1.77E-07	1.91E-07	1.26E-06
8.13E+00	3.85E-09	2.10E-05	1.88E-07	5.58E-08	1.04E-07	1.20E-07	1.29E-07	1.46E-06
8.60E+00	2.53E-09	1.34E-05	1.30E-07	3.65E-08	6.82E-08	7.80E-08	8.81E-08	1.77E-06
9.10E+00	1.63E-09	8.38E-06	9.02E-08	2.33E-08	4.36E-08	4.96E-08	5.67E-08	2.27E-06
9.63E+00	1.02E-09	5.22E-06	5.92E-08	1.45E-08	2.71E-08	3.08E-08	3.54E-08	3.06E-06
1.00E+01	7.33E-10	3.62E-06	4.35E-08	1.04E-08	1.95E-08	2.22E-08	2.54E-08	2.33E-06
1.02E+01	6.20E-10	3.00E-06	3.70E-08	8.76E-09	1.64E-08	1.87E-08	2.15E-08	1.88E-06
1.08E+01	3.66E-10	1.70E-06	2.13E-08	5.15E-09	9.66E-09	1.11E-08	1.26E-08	9.52E-07
1.14E+01	2.10E-10	9.53E-07	1.20E-08	2.93E-09	5.58E-09	6.35E-09	7.22E-09	4.46E-07
1.21E+01	1.17E-10	5.16E-07	6.73E-09	1.62E-09	3.08E-09	3.53E-09	4.04E-09	3.43E-07
1.28E+01	6.26E-11	2.70E-07	3.46E-09	8.64E-10	1.64E-09	1.88E-09	2.24E-09	1.74E-07
1.35E+01	3.24E-11	1.36E-07	1.61E-09	4.44E-10	8.40E-10	9.69E-10	1.15E-09	8.87E-08
1.43E+01	1.34E-11	7.62E-08	8.25E-10	2.18E-10	4.07E-10	4.76E-10	5.41E-10	4.09E-08
1.51E+01	6.36E-12	3.52E-08	3.82E-10	1.03E-10	1.94E-10	2.26E-10	2.57E-10	1.57E-08
1.60E+01	2.90E-12	1.53E-08	1.75E-10	4.67E-11	8.80E-11	1.03E-10	1.17E-10	7.48E-09
1.70E+01	1.26E-12	7.44E-09	7.85E-11	2.02E-11	3.82E-11	4.46E-11	5.12E-11	2.61E-09
1.80E+01	5.23E-13	2.76E-09	3.04E-11	8.35E-12	1.58E-11	1.84E-11	2.18E-11	7.98E-10
1.90E+01	2.06E-13	9.35E-10	1.17E-11	3.28E-12	6.19E-12	7.21E-12	8.61E-12	4.07E-10

2.01E+01 7.70E-14 3.62E-10 4.64E-12 1.22E-12 2.28E-12 2.69E-12 3.20E-12 2.05E-10

2.13E+01 2.71E-14 1.68E-10 1.78E-12 4.26E-13 7.81E-13 9.35E-13 1.10E-12 6.95E-11

2.25E+01 9.00E-15 5.81E-11 5.51E-13 1.40E-13 2.57E-13 3.08E-13 3.64E-13 1.37E-11

2.38E+01	2.80E-15	1.67E-11	1.55E-13	4.34E-14	7.93E-14	9.46E-14	1.12E-13	2.75E-12
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2.52E+01	8.13E-16	4.40E-12	4.32E-14	1.25E-14	2.30E-14	2.71E-14	3.24E-14	1.14E-12
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2.67E+01 2.20E-16 1.06E-12 1.18E-14 3.38E-15 6.17E-15 7.32E-15 8.74E-15 5.50E-13

2.82E+01 5.51E-17 2.59E-13 2.99E-15 0.42E-16 1.54E-15 1.87E-15 2.19E-15 1.16E-13

2.99E+01	1.27E-17	5.21E-14	6.78E-16	1.94E-16	3.56E-16	4.30E-16	5.06E-16	3.42E-14
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3.00E+01	1.15E-17	4.64E-14	6.12E-16	1.75E-16	3.20E-16	3.87E-16	4.56E-16	3.02E-14
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3.16E+01 2.70E-18 1.50E-14 1.48E-16 4.09E-17 7.79E-17 9.05E-17 1.07E-16 5.98E-15

3.35E+01	5.24E-19	2.86E-15	2.77E-17	7.86E-18	1.51E-17	1.78E-17	2.09E-17	5.76E-16
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3.54E+01 5.26E-20 5.20E-16 4.17E-18 1.37E-18 2.66E-18 3.12E-18 3.64E-18 4.14E-17

3.75E+01 8.37E-21 8.12E-17 6.07E-19 2.15E-19 4.13E-19 4.89E-19 5.74E-19 1.14E-17

3.97E+01 1.20E-21 1.14E-17 8.29E-20 3.03E-20 5.81E-20 6.87E-20 8.17E-20 9.60E-19

4.20E+01 1.53E-22 1.42E-18 1.13E-20 3.85E-21 7.32E-21 8.83E-21 1.04E-20 2.27E-19

4.44E+01 1.74E-23 1.57E-19 1.22E-21 4.30E-22 8.22E-22 9.83E-22 1.17E-21 4.39E-21

4.70E+01 1.73E-24 1.53E-20 1.27E-22 4.24E-23 8.16E-23 9.79E-23 1.16E-22 7.35E-22

4.97E+01 1.51E-25 1.30E-21 1.05E-23 3.66E-24 7.08E-24 8.52E-24 1.01E-23 1.17E-22

5.26E+01 1.15E-26 9.56E-23 7.61E-25 2.76E-25 5.31E-25 6.42E-25 7.72E-25 1.77E-23

5.57E+01 7.46E-28 6.04E-24 4.97E-26 1.78E-26 3.40E-26 4.15E-26 5.01E-26 1.21E-24

5.90E+01 4.15E-29 3.25E-25 2.56E-27 9.72E-28 1.87E-27 2.29E-27 2.77E-27 5.59E-26

6.24E+01 1.83E-30 1.48E-26 1.21E-28 4.46E-29 8.77E-29 1.05E-28 1.26E-28 2.10E-27

6.60E+01 0.00E+00 5.59E-28 3.72E-30 1.17E-30 3.06E-30 3.79E-30 4.40E-30 6.96E-29

6.99E+01	0.00E+00	1.73E-29	7.31E-32	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.35E-30
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7.39E+01      0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00
```

```
7.82E+01      0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00
```

```
8.28E+01      0.00E+00   0.00E+00   0.00E+00   0.00E+00   0.00E+00   0.00E+00   0.00E+00   0.00E+00
```

```
8.76E+01      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]

```
9.81E+01      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]

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[illegible]

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[illegible]

[illegible]

[illegible]

[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
```

```
1.83E+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 CE-144.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	5.39E-06	2.27E-04	8.34E-05	8.09E-05	1.47E-04	1.66E-04	1.81E-04	1.90E-04
1.00E+00	2.26E-06	9.20E-05	3.41E-05	3.30E-05	6.01E-05	6.74E-05	7.38E-05	7.90E-05
1.06E+00	2.15E-06	8.73E-05	3.24E-05	3.13E-05	5.73E-05	6.40E-05	7.00E-05	7.51E-05
1.12E+00	2.04E-06	8.26E-05	3.06E-05	2.97E-05	5.44E-05	6.05E-05	6.63E-05	7.10E-05
1.19E+00	1.92E-06	7.79E-05	2.89E-05	2.80E-05	5.14E-05	5.71E-05	6.25E-05	6.70E-05
1.25E+00	1.81E-06	7.32E-05	2.72E-05	2.63E-05	4.83E-05	5.36E-05	5.88E-05	6.30E-05
1.33E+00	1.70E-06	6.85E-05	2.55E-05	2.46E-05	4.52E-05	5.02E-05	5.51E-05	5.90E-05
1.40E+00	1.59E-06	6.39E-05	2.38E-05	2.30E-05	4.22E-05	4.70E-05	5.14E-05	5.50E-05
1.49E+00	1.48E-06	5.93E-05	2.21E-05	2.14E-05	3.91E-05	4.37E-05	4.78E-05	5.11E-05
1.57E+00	1.37E-06	5.49E-05	2.05E-05	1.98E-05	3.62E-05	4.04E-05	4.42E-05	4.72E-05
1.66E+00	1.26E-06	5.05E-05	1.89E-05	1.82E-05	3.33E-05	3.71E-05	4.07E-05	4.35E-05
1.76E+00	1.16E-06	4.63E-05	1.73E-05	1.67E-05	3.07E-05	3.41E-05	3.73E-05	3.98E-05
1.86E+00	1.06E-06	4.22E-05	1.58E-05	1.53E-05	2.80E-05	3.10E-05	3.44E-05	3.66E-05
1.97E+00	9.63E-07	3.82E-05	1.43E-05	1.38E-05	2.54E-05	2.81E-05	3.12E-05	3.36E-05
2.09E+00	8.70E-07	3.45E-05	1.29E-05	1.25E-05	2.29E-05	2.54E-05	2.81E-05	3.03E-05
2.21E+00	7.82E-07	3.09E-05	1.16E-05	1.12E-05	2.05E-05	2.27E-05	2.52E-05	2.72E-05
2.34E+00	6.98E-07	2.75E-05	1.04E-05	9.99E-06	1.83E-05	2.02E-05	2.25E-05	2.42E-05
2.47E+00	6.20E-07	2.43E-05	9.17E-06	8.84E-06	1.62E-05	1.79E-05	1.99E-05	2.15E-05
2.62E+00	5.46E-07	2.14E-05	8.06E-06	7.79E-06	1.42E-05	1.57E-05	1.75E-05	1.89E-05
2.77E+00	4.77E-07	1.87E-05	7.03E-06	6.79E-06	1.24E-05	1.37E-05	1.52E-05	1.65E-05
2.93E+00	4.14E-07	1.63E-05	6.09E-06	5.88E-06	1.07E-05	1.19E-05	1.32E-05	1.42E-05
3.00E+00	3.90E-07	1.54E-05	5.73E-06	5.53E-06	1.01E-05	1.12E-05	1.24E-05	1.34E-05
3.13E+00	3.56E-07	1.41E-05	5.23E-06	5.04E-06	9.20E-06	1.02E-05	1.13E-05	1.22E-05
3.28E+00	3.04E-07	1.21E-05	4.46E-06	4.29E-06	7.91E-06	8.70E-06	9.64E-06	1.04E-05
3.48E+00	2.57E-07	1.03E-05	3.77E-06	3.61E-06	6.65E-06	7.36E-06	8.20E-06	9.00E-06
3.68E+00	2.15E-07	1.15E-05	3.15E-06	3.01E-06	5.54E-06	6.14E-06	6.84E-06	8.20E-06
3.89E+00	1.78E-07	1.33E-05	2.62E-06	2.48E-06	4.57E-06	5.06E-06	5.64E-06	6.76E-06
4.12E+00	1.46E-07	1.62E-05	2.16E-06	2.03E-06	3.74E-06	4.13E-06	4.61E-06	5.51E-06
4.36E+00	1.18E-07	2.04E-05	1.77E-06	1.64E-06	3.02E-06	3.35E-06	3.76E-06	4.43E-06
4.61E+00	9.45E-08	2.67E-05	1.46E-06	1.30E-06	2.40E-06	2.66E-06	2.99E-06	3.60E-06
4.88E+00	7.46E-08	3.67E-05	1.21E-06	1.03E-06	1.89E-06	2.09E-06	2.35E-06	2.83E-06
5.17E+00	5.81E-08	5.33E-05	1.03E-06	7.97E-07	1.46E-06	1.61E-06	1.82E-06	2.20E-06
5.47E+00	4.46E-08	8.47E-05	9.59E-07	6.13E-07	1.11E-06	1.23E-06	1.39E-06	1.68E-06
5.78E+00	3.37E-08	1.12E-04	9.21E-07	4.62E-07	8.38E-07	9.25E-07	1.05E-06	1.27E-06
6.12E+00	2.51E-08	1.21E-04	8.41E-07	3.42E-07	6.19E-07	7.20E-07	7.76E-07	9.38E-07
6.48E+00	1.83E-08	9.92E-05	6.78E-07	2.48E-07	4.49E-07	5.22E-07	5.66E-07	7.95E-07
6.86E+00	1.31E-08	6.96E-05	5.00E-07	1.77E-07	3.26E-07	3.71E-07	4.03E-07	7.80E-07
7.26E+00	9.24E-09	4.78E-05	3.78E-07	1.24E-07	2.29E-07	2.62E-07	2.82E-07	7.83E-07
7.68E+00	6.37E-09	3.21E-05	2.85E-07	8.50E-08	1.56E-07	1.79E-07	1.94E-07	8.20E-07
8.13E+00	4.30E-09	2.15E-05	2.05E-07	5.70E-08	1.04E-07	1.21E-07	1.30E-07	8.94E-07
8.60E+00	2.83E-09	1.37E-05	1.44E-07	3.74E-08	6.85E-08	7.90E-08	8.50E-08	1.01E-06
9.10E+00	1.82E-09	9.45E-06	9.62E-08	2.38E-08	4.36E-08	5.07E-08	5.51E-08	1.20E-06
9.63E+00	1.14E-09	5.77E-06	6.06E-08	1.48E-08	2.70E-08	3.16E-08	3.48E-08	1.49E-06
1.00E+01	8.25E-10	4.09E-06	4.48E-08	1.06E-08	1.94E-08	2.27E-08	2.51E-08	1.83E-06
1.02E+01	6.97E-10	3.42E-06	3.88E-08	8.96E-09	1.63E-08	1.91E-08	2.12E-08	2.03E-06
1.08E+01	4.12E-10	2.06E-06	2.47E-08	5.27E-09	9.58E-09	1.12E-08	1.24E-08	1.62E-06
1.14E+01	2.36E-10	1.23E-06	1.48E-08	3.01E-09	5.49E-09	6.39E-09	7.06E-09	8.88E-07
1.21E+01	1.31E-10	6.68E-07	8.46E-09	1.66E-09	3.03E-09	3.52E-09	4.01E-09	4.88E-07
1.28E+01	7.00E-11	3.50E-07	4.41E-09	8.82E-10	1.62E-09	1.87E-09	2.14E-09	2.46E-07
1.35E+01	3.62E-11	1.76E-07	2.25E-09	4.52E-10	8.42E-10	9.64E-10	1.12E-09	1.18E-07
1.43E+01	1.80E-11	8.53E-08	1.14E-09	2.23E-10	4.15E-10	4.84E-10	5.53E-10	5.45E-08
1.51E+01	8.58E-12	3.95E-08	5.34E-10	1.05E-10	1.96E-10	2.29E-10	2.95E-10	2.35E-08
1.60E+01	3.92E-12	1.75E-08	2.36E-10	4.80E-11	8.84E-11	1.04E-10	1.50E-10	9.45E-09
1.70E+01	1.71E-12	7.53E-09	1.03E-10	2.08E-11	3.90E-11	4.52E-11	7.92E-11	3.61E-09
1.80E+01	7.13E-13	3.08E-09	4.04E-11	8.64E-12	1.61E-11	1.87E-11	3.61E-11	1.26E-09
1.90E+01	1.01E-13	1.19E-09	1.56E-11	3.39E-12	6.15E-12	7.30E-12	1.03E-11	7.65E-10

2.01E+01 3.78E-14 4.38E-10 5.43E-12 1.26E-12 2.33E-12 2.71E-12 3.83E-12 2.12E-10

2.13E+01	1.33E-14	1.52E-10	1.74E-12	4.39E-13	8.12E-13	9.48E-13	1.35E-12	4.51E-11
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2.25E+01 4.42E-15 4.94E-11 5.39E-13 1.44E-13 2.65E-13 3.11E-13 3.52E-13 2.58E-11

2.38E+01	1.37E-15	1.79E-11	1.84E-13	4.44E-14	8.08E-14	9.59E-14	1.09E-13	6.83E-12
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2.52E+01 3.99E-16 4.69E-12 5.46E-14 1.27E-14 2.34E-14 2.76E-14 3.14E-14 3.07E-12

2.67E+01	1.08E-16	1.32E-12	1.47E-14	3.44E-15	6.31E-15	7.41E-15	8.43E-15	7.54E-13
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2.82E+01 2.70E-17 2.77E-13 3.38E-15 8.59E-16 1.57E-15 1.85E-15 2.38E-15 1.69E-13

2.99E+01 6.25E-18 6.25E-14 7.30E-16 1.98E-16 3.63E-16 4.28E-16 5.50E-16 3.38E-14

3.00E+01 5.62E-18 5.61E-14 6.57E-16 1.78E-16 3.27E-16 3.85E-16 4.76E-16 2.99E-14

3.16E+01	1.13E-18	1.44E-14	1.48E-16	4.14E-17	7.61E-17	8.99E-17	1.06E-16	5.71E-15
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3.35E+01 1.60E-19 2.43E-15 2.52E-17 7.91E-18 1.46E-17 1.72E-17 2.01E-17 7.83E-16

3.54E+01	2.82E-20	4.16E-16	4.38E-18	1.38E-18	2.55E-18	3.01E-18	3.41E-18	1.20E-16
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3.75E+01 4.50E-21 6.41E-17 6.40E-19 2.17E-19 4.01E-19 4.80E-19 5.40E-19 1.10E-17

3.97E+01 6.43E-22 8.87E-18 7.13E-20 3.05E-20 5.66E-20 6.70E-20 7.65E-20 3.48E-19

4.20E+01 8.22E-23 1.09E-18 8.44E-21 3.85E-21 7.08E-21 8.41E-21 9.43E-21 2.08E-20

4.44E+01 9.32E-24 1.19E-19 9.35E-22 4.33E-22 7.95E-22 9.42E-22 1.06E-21 2.84E-21

4.70E+01 9.30E-25 1.62E-20 1.03E-22 4.27E-23 7.87E-23 9.24E-23 1.03E-22 2.63E-22

4.97E+01 8.12E-26 9.55E-22 8.26E-24 3.69E-24 6.83E-24 8.05E-24 9.03E-24 3.62E-23

5.26E+01 6.15E-27 6.91E-23 5.24E-25 2.77E-25 5.10E-25 5.98E-25 6.80E-25 9.38E-25

5.57E+01 4.01E-28 6.38E-24 4.21E-26 1.79E-26 3.30E-26 3.96E-26 4.40E-26 6.71E-26

5.90E+01 2.23E-29 4.28E-25 2.57E-27 9.86E-28 1.81E-27 2.21E-27 2.45E-27 5.57E-27

6.24E+01 0.00E+00 1.44E-26 1.20E-28 4.51E-29 8.41E-29 1.03E-28 1.14E-28 4.15E-28

6.60E+01 0.00E+00 4.65E-28 4.06E-30 1.21E-30 2.92E-30 3.53E-30 4.38E-30 2.64E-29

6.99E+01	0.00E+00	2.64E-29	9.84E-32	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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7.39E+01      0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00
```

```
7.82E+01      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]

```
8.76E+01      0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00
```

```
9.27E+01      0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00
```

```
9.81E+01      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]

[illegible]

[illegible]

```

1.54E+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]

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[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]


```
6.73E+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]

[illegible]

```
9.45E+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]

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	5.32E-06	2.31E-04	8.34E-05	8.21E-05	1.49E-04	1.64E-04	1.73E-04	1.94E-04
1.00E+00	2.20E-06	9.44E-05	3.42E-05	3.36E-05	6.04E-05	6.71E-05	7.07E-05	7.88E-05
1.06E+00	2.09E-06	8.96E-05	3.25E-05	3.19E-05	5.74E-05	6.36E-05	6.72E-05	7.48E-05
1.12E+00	1.98E-06	8.48E-05	3.07E-05	3.02E-05	5.43E-05	6.02E-05	6.37E-05	7.08E-05
1.19E+00	1.86E-06	8.00E-05	2.90E-05	2.85E-05	5.12E-05	5.68E-05	6.01E-05	6.67E-05
1.25E+00	1.75E-06	7.52E-05	2.73E-05	2.68E-05	4.81E-05	5.33E-05	5.65E-05	6.27E-05
1.33E+00	1.64E-06	7.04E-05	2.56E-05	2.51E-05	4.51E-05	4.99E-05	5.29E-05	5.87E-05
1.40E+00	1.54E-06	6.57E-05	2.39E-05	2.34E-05	4.21E-05	4.66E-05	4.94E-05	5.47E-05
1.49E+00	1.43E-06	6.11E-05	2.22E-05	2.17E-05	3.91E-05	4.33E-05	4.59E-05	5.08E-05
1.57E+00	1.32E-06	5.65E-05	2.06E-05	2.01E-05	3.62E-05	4.00E-05	4.28E-05	4.70E-05
1.66E+00	1.22E-06	5.21E-05	1.90E-05	1.86E-05	3.33E-05	3.71E-05	4.01E-05	4.33E-05
1.76E+00	1.12E-06	4.77E-05	1.74E-05	1.70E-05	3.05E-05	3.40E-05	3.68E-05	4.12E-05
1.86E+00	1.02E-06	4.36E-05	1.59E-05	1.55E-05	2.79E-05	3.10E-05	3.35E-05	3.92E-05
1.97E+00	9.29E-07	3.95E-05	1.44E-05	1.41E-05	2.53E-05	2.82E-05	3.07E-05	3.56E-05
2.09E+00	8.39E-07	3.57E-05	1.30E-05	1.27E-05	2.28E-05	2.54E-05	2.77E-05	3.22E-05
2.21E+00	7.53E-07	3.66E-05	1.17E-05	1.14E-05	2.05E-05	2.28E-05	2.48E-05	2.89E-05
2.34E+00	6.72E-07	3.49E-05	1.04E-05	1.01E-05	1.83E-05	2.03E-05	2.21E-05	2.57E-05
2.47E+00	5.96E-07	3.16E-05	9.24E-06	8.98E-06	1.62E-05	1.80E-05	1.95E-05	2.28E-05
2.62E+00	5.25E-07	2.86E-05	8.13E-06	7.89E-06	1.42E-05	1.58E-05	1.72E-05	2.00E-05
2.77E+00	4.58E-07	2.60E-05	7.09E-06	6.91E-06	1.24E-05	1.38E-05	1.50E-05	1.75E-05
2.93E+00	3.97E-07	2.39E-05	6.14E-06	5.99E-06	1.07E-05	1.19E-05	1.29E-05	1.51E-05
3.00E+00	3.74E-07	2.32E-05	5.78E-06	5.63E-06	1.01E-05	1.12E-05	1.22E-05	1.42E-05
3.310E+00	3.42E-07	2.23E-05	5.28E-06	5.14E-06	9.18E-06	1.02E-05	1.11E-05	1.30E-05
3.328E+00	2.91E-07	2.14E-05	4.49E-06	4.37E-06	7.80E-06	8.76E-06	9.43E-06	1.10E-05
3.48E+00	2.46E-07	2.13E-05	3.80E-06	3.68E-06	6.58E-06	7.39E-06	7.99E-06	9.30E-06
3.68E+00	2.05E-07	2.21E-05	3.18E-06	3.07E-06	5.49E-06	6.22E-06	6.75E-06	7.76E-06
3.89E+00	1.70E-07	2.42E-05	2.64E-06	2.53E-06	4.53E-06	5.13E-06	5.57E-06	6.60E-06
4.12E+00	1.39E-07	2.80E-05	2.18E-06	2.07E-06	3.70E-06	4.18E-06	4.54E-06	5.55E-06
4.36E+00	1.12E-07	3.45E-05	1.79E-06	1.67E-06	2.98E-06	3.36E-06	3.66E-06	4.58E-06
4.61E+00	8.98E-08	4.54E-05	1.47E-06	1.33E-06	2.38E-06	2.68E-06	2.92E-06	3.71E-06
4.88E+00	7.08E-08	6.42E-05	1.22E-06	1.05E-06	1.87E-06	2.11E-06	2.29E-06	2.92E-06
5.17E+00	5.50E-08	9.80E-05	1.06E-06	8.12E-07	1.45E-06	1.64E-06	1.78E-06	2.26E-06
5.47E+00	4.22E-08	1.36E-04	9.55E-07	6.21E-07	1.11E-06	1.25E-06	1.36E-06	2.12E-06
5.578E+00	3.18E-08	1.52E-04	8.50E-07	4.67E-07	8.31E-07	9.42E-07	1.02E-06	1.80E-06
6.12E+00	2.36E-08	1.34E-04	7.24E-07	3.46E-07	6.28E-07	6.96E-07	7.53E-07	1.57E-06
6.48E+00	1.72E-08	9.67E-05	5.95E-07	2.51E-07	4.56E-07	5.08E-07	5.55E-07	1.44E-06
6.86E+00	1.23E-08	6.83E-05	4.96E-07	1.79E-07	3.27E-07	3.62E-07	3.96E-07	1.38E-06
7.26E+00	8.66E-09	4.73E-05	3.91E-07	1.25E-07	2.28E-07	2.53E-07	2.76E-07	1.40E-06
7.68E+00	5.95E-09	3.24E-05	2.88E-07	8.55E-08	1.56E-07	1.73E-07	1.89E-07	1.49E-06
8.13E+00	4.01E-09	2.12E-05	2.00E-07	5.72E-08	1.04E-07	1.17E-07	1.30E-07	1.68E-06
8.60E+00	2.64E-09	1.37E-05	1.40E-07	3.74E-08	6.78E-08	7.62E-08	8.50E-08	2.01E-06
9.10E+00	1.69E-09	8.69E-06	9.51E-08	2.39E-08	4.31E-08	4.86E-08	5.47E-08	2.57E-06
9.63E+00	1.06E-09	5.31E-06	6.20E-08	1.49E-08	2.69E-08	3.02E-08	3.41E-08	3.52E-06
1.00E+01	7.62E-10	3.77E-06	4.64E-08	1.07E-08	1.93E-08	2.20E-08	2.45E-08	2.49E-06
1.02E+01	6.44E-10	3.52E-06	3.99E-08	8.98E-09	1.62E-08	1.86E-08	2.10E-08	1.97E-06
1.08E+01	3.81E-10	2.18E-06	2.40E-08	5.27E-09	9.54E-09	1.10E-08	1.31E-08	9.19E-07
1.14E+01	2.18E-10	1.24E-06	1.43E-08	3.00E-09	5.44E-09	6.24E-09	7.46E-09	9.34E-07
1.21E+01	1.21E-10	6.85E-07	7.85E-09	1.66E-09	3.01E-09	3.44E-09	4.11E-09	4.97E-07
1.28E+01	6.50E-11	3.65E-07	4.15E-09	8.85E-10	1.60E-09	1.81E-09	2.09E-09	2.52E-07
1.35E+01	1.06E-11	1.88E-07	2.24E-09	4.55E-10	8.25E-10	9.43E-10	1.12E-09	1.23E-07
1.43E+01	5.25E-12	9.27E-08	1.15E-09	2.25E-10	4.09E-10	4.67E-10	5.89E-10	6.55E-08
1.51E+01	2.50E-12	4.40E-08	5.46E-10	1.07E-10	1.94E-10	2.21E-10	2.80E-10	3.04E-08
1.60E+01	1.14E-12	2.00E-08	2.54E-10	4.84E-11	8.83E-11	1.01E-10	1.27E-10	1.35E-08
1.70E+01	4.95E-13	8.66E-09	1.19E-10	2.10E-11	3.82E-11	4.42E-11	5.57E-11	5.82E-09
1.80E+01	2.05E-13	3.58E-09	5.19E-11	8.71E-12	1.58E-11	1.83E-11	2.46E-11	2.40E-09
1.90E+01	8.10E-14	1.40E-09	2.00E-11	3.41E-12	6.18E-12	7.15E-12	9.93E-12	9.07E-10

2.01E+01 3.02E-14 5.22E-10 7.37E-12 1.26E-12 2.28E-12 2.64E-12 3.69E-12 3.23E-10

2.13E+01	1.07E-14	1.83E-10	2.64E-12	4.42E-13	7.99E-13	9.21E-13	1.30E-12	1.13E-10
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2.25E+01 3.53E-15 6.04E-11 8.61E-13 1.46E-13 2.62E-13 3.12E-13 4.30E-13 4.27E-11

2.38E+01	1.10E-15	1.87E-11	2.60E-13	4.50E-14	8.04E-14	9.44E-14	1.34E-13	1.29E-11
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2.52E+01	3.19E-16	5.40E-12	7.50E-14	1.30E-14	2.32E-14	2.74E-14	3.92E-14	3.66E-12
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2.67E+01 8.63E-17 1.45E-12 2.08E-14 3.49E-15 6.21E-15 7.40E-15 9.80E-15 1.04E-12

2.82E+01 2.16E-17 3.61E-13 5.13E-15 8.67E-16 1.55E-15 1.85E-15 2.70E-15 2.40E-13

2.99E+01 5.00E-18 8.29E-14 1.19E-15 1.98E-16 3.54E-16 4.31E-16 6.53E-16 5.26E-14

3.00E+01 4.50E-18 7.46E-14 1.08E-15 1.78E-16 3.19E-16 3.88E-16 5.91E-16 4.72E-14

3.16E+01 1.06E-18 1.75E-14 2.60E-16 4.16E-17 7.47E-17 9.07E-17 1.73E-16 1.17E-14

3.35E+01 2.06E-19 3.36E-15 4.98E-17 7.99E-18 1.44E-17 1.75E-17 4.46E-17 2.20E-15

3.54E+01	3.62E-20	5.88E-16	8.73E-18	1.40E-18	2.52E-18	3.07E-18	1.14E-17	3.75E-16
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3.75E+01 5.77E-21 9.28E-17 1.34E-18 2.21E-19 4.00E-19 4.83E-19 2.86E-18 5.76E-17

3.97E+01 8.26E-22 1.32E-17 1.87E-19 3.13E-20 5.67E-20 6.87E-20 5.42E-19 7.93E-18

4.20E+01 1.05E-22 1.67E-18 2.40E-20 3.98E-21 7.17E-21 8.66E-21 5.12E-20 9.74E-19

4.44E+01 1.20E-23 1.87E-19 2.78E-21 4.46E-22 8.04E-22 9.71E-22 3.41E-21 1.10E-19

4.70E+01 1.19E-24 1.85E-20 2.69E-22 4.42E-23 7.97E-23 9.60E-23 5.12E-22 1.01E-20

4.97E+01 1.04E-25 1.60E-21 2.29E-23 3.81E-24 6.98E-24 8.39E-24 7.64E-23 8.42E-22

5.26E+01 7.89E-27 1.19E-22 1.76E-24 2.86E-25 5.23E-25 6.33E-25 2.91E-24 7.33E-23

5.57E+01 5.14E-28 7.69E-24 1.03E-25 1.83E-26 3.38E-26 3.98E-26 6.85E-26 3.75E-24

5.90E+01 2.86E-29 4.22E-25 5.94E-27 1.01E-27 1.88E-27 2.23E-27 4.81E-27 2.44E-25

6.24E+01 1.03E-30 1.95E-26 2.56E-28 4.65E-29 8.79E-29 1.07E-28 3.10E-28 1.10E-26

6.60E+01 0.00E+00 7.56E-28 8.30E-30 1.24E-30 3.00E-30 3.81E-30 1.86E-29 3.21E-28

6.99E+01	0.00E+00	2.41E-29	2.23E-31	0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.76E-30
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[illegible]

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7.82E+01      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]

```
8.76E+01      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]

```
9.81E+01      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]

```
1.30E+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]

```
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]

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[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]

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[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

```
7.97E+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]

Probabilistic results summary : RESRAD Default Parameters

File : C:\USERS\DNF\DOCUMENTS\FT CALHOUN\RESRAD INPUT FILES\BP INSITU UA\FCS BURIED PIPE INSITU UA CE-144.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	8.334E-05
2	0.000E+00	8.338E-05
3	0.000E+00	8.342E-05

Title : RESRAD Default Parameters
Input File : FCS BURIED PIPE INSITU UA CE-144.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	12	-0.03	11	-0.03	6	-0.05	6	-0.05
Contaminated zone b parameter	11	0.03	12	0.03	9	0.03	9	0.03
Evapotranspiration coefficient	8	0.05	8	0.05	11	0.03	11	0.03
Wind Speed	6	0.06	6	0.06	5	0.05	5	0.05
Runoff coefficient	18	0.00	18	0.00	13	-0.01	13	-0.01
b Parameter of Unsaturated zone 1	3	-0.12	3	-0.11	2	-0.10	2	-0.09
Mass loading for inhalation	15	0.01	15	0.01	14	0.01	14	0.01
Indoor dust filtration factor	17	0.00	17	0.00	18	0.00	18	0.00
Depth of soil mixing layer	9	-0.04	9	-0.04	8	-0.03	8	-0.03
Depth of roots	2	0.13	2	0.12	4	0.06	4	0.06
Wet weight crop yield of fruit, grain and non-leafy vegetables	16	-0.01	16	-0.01	12	-0.02	12	-0.01
Weathering removal constant of all vegetation	13	-0.02	13	-0.02	15	-0.01	15	-0.01
Wet foliar interception fraction of leafy vegetables	10	-0.04	10	-0.04	10	-0.03	10	-0.03
Humidity in air	7	0.05	7	0.05	16	0.01	16	0.01
Cover erosion rate	4	0.11	4	0.11	17	0.01	17	0.01
Kd of Ce-144 in Contaminated Zone	14	0.01	14	0.01	7	0.03	7	0.03
Kd of Ce-144 in Saturated Zone	5	0.08	5	0.08	3	0.07	3	0.07
Well pump intake depth	1	-0.29	1	-0.28	1	-0.33	1	-0.33

R-SQUARE	0.14	0.14	0.13	0.13
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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 CE-144.RAD

Coefficients for peak All Pathways Dose

Coefficient =	PCC	SRC	PRCC	SRRC
Repetition =	2	2	2	2

Description of Probabilistic Variable	Sig Coeff	Sig Coeff	Sig Coeff	Sig Coeff
---------------------------------------	-----------	-----------	-----------	-----------

Contaminated zone erosion rate	16	0.01	16	0.01	8	-0.04	8	-0.04
Contaminated zone b parameter	12	-0.03	12	-0.02	16	-0.02	16	-0.02
Evapotranspiration coefficient	8	-0.04	8	-0.04	9	-0.04	9	-0.04
Wind Speed	11	-0.03	11	-0.03	13	-0.03	13	-0.03
Runoff coefficient	17	0.01	17	0.01	17	0.02	17	0.02
b Parameter of Unsaturated zone 1	9	0.04	9	0.04	7	0.04	7	0.04
Mass loading for inhalation	13	-0.02	13	-0.02	15	-0.02	15	-0.02
Indoor dust filtration factor	7	-0.04	7	-0.04	11	-0.04	11	-0.03
Depth of soil mixing layer	3	0.09	3	0.09	3	0.09	3	0.09
Depth of roots	2	0.16	2	0.16	2	0.11	2	0.10
Wet weight crop yield of fruit, grain and non-leafy vegetables	6	-0.06	6	-0.05	5	-0.06	5	-0.06
Weathering removal constant of all vegetation	5	-0.07	5	-0.06	6	-0.06	6	-0.05
Wet foliar interception fraction of leafy vegetables	4	0.08	4	0.08	4	0.08	4	0.08
Humidity in air	18	0.00	18	0.00	18	-0.01	18	-0.01
Cover erosion rate	15	-0.02	15	-0.01	12	0.03	12	0.03
Kd of Ce-144 in Contaminated Zone	10	0.03	10	0.03	14	0.03	14	0.03
Kd of Ce-144 in Saturated Zone	14	-0.02	14	-0.02	10	-0.04	10	-0.03
Well pump intake depth	1	-0.26	1	-0.26	1	-0.32	1	-0.31

R-SQUARE	0.11	0.11	0.13	0.13
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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 CE-144.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	16	0.01	16	0.01	15	-0.01	15	-0.01
Contaminated zone b parameter	6	-0.05	6	-0.05	8	-0.03	8	-0.03
Evapotranspiration coefficient	15	0.01	15	0.01	16	0.01	16	0.01
Wind Speed	14	0.01	14	0.01	14	0.01	14	0.01
Runoff coefficient	5	-0.05	5	-0.05	4	-0.05	4	-0.05
b Parameter of Unsaturated zone 1	13	-0.01	13	-0.01	12	-0.02	12	-0.02
Mass loading for inhalation	18	0.00	18	0.00	17	-0.01	17	-0.01
Indoor dust filtration factor	11	0.02	11	0.02	11	0.02	11	0.02
Depth of soil mixing layer	17	0.01	17	0.01	13	0.02	13	0.02
Depth of roots	2	0.14	2	0.14	2	0.09	2	0.08
Wet weight crop yield of fruit, grain and non-leafy vegetables	8	0.03	8	0.03	18	0.00	18	0.00
Weathering removal constant of all vegetation	9	0.03	9	0.03	7	0.03	7	0.03
Wet foliar interception fraction of leafy vegetables	4	-0.06	4	-0.06	3	-0.05	3	-0.05
Humidity in air	7	0.03	7	0.03	9	0.03	9	0.03
Cover erosion rate	3	0.07	3	0.07	5	-0.04	5	-0.04
Kd of Ce-144 in Contaminated Zone	12	-0.02	12	-0.02	6	-0.04	6	-0.03
Kd of Ce-144 in Saturated Zone	10	0.02	10	0.02	10	0.03	10	0.02
Well pump intake depth	1	-0.23	1	-0.23	1	-0.26	1	-0.26

R-SQUARE	0.08	0.08	0.09	0.09
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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.