

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	5.56	2.89																
17	DCACTS(1)	LOGNORMAL-N	5.56	2.89																
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	
Co-60											
Min	0.00E+00	4.48E-06	4.48E-06	1.03E-06	1.60E-07	4.66E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	5.10E+01	8.53E-01	4.89E-02	6.15E-02	3.06E-02	5.14E-01	3.78E-02	3.45E-06	1.47E-17	0.00E+00	0.00E+00
Avg	8.92E-01	1.21E-02	5.16E-03	4.13E-03	3.00E-03	4.29E-03	2.52E-04	2.02E-08	2.54E-19	0.00E+00	0.00E+00
Std	4.41E+00	6.00E-02	3.66E-03	3.35E-03	2.55E-03	3.43E-02	2.24E-03	1.90E-07	1.35E-18	0.00E+00	0.00E+00
ALL											
Min	0.00E+00	4.48E-06	4.48E-06	1.03E-06	1.60E-07	4.66E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	5.10E+01	8.53E-01	4.89E-02	6.15E-02	3.06E-02	5.14E-01	3.78E-02	3.45E-06	1.47E-17	0.00E+00	0.00E+00
Avg	8.92E-01	1.21E-02	5.16E-03	4.13E-03	3.00E-03	4.29E-03	2.52E-04	2.02E-08	2.54E-19	0.00E+00	0.00E+00
Std	4.41E+00	6.00E-02	3.66E-03	3.35E-03	2.55E-03	3.43E-02	2.24E-03	1.90E-07	1.35E-18	0.00E+00	0.00E+00

ALL is total dose summed for all nuclides.

Probabilistic results summary : RESRAD Default Parameters

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Probabilistic Risk Summary

Nuclide	RISK(j,t)								
	(j)	t= 0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
<hr/>									
Co-60									
Min		1.10E-10	8.08E-11	3.21E-12	1.66E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		2.13E-06	1.02E-06	7.61E-07	1.28E-05	9.26E-07	8.45E-11	3.62E-22	0.00E+00
Avg		1.53E-07	1.09E-07	7.83E-08	1.01E-07	6.10E-09	5.05E-13	6.22E-24	0.00E+00
Std		1.48E-07	7.97E-08	6.37E-08	8.04E-07	5.33E-08	4.67E-12	3.30E-23	0.00E+00
<hr/>									
ALL									
Min		1.10E-10	8.08E-11	3.21E-12	1.66E-13	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		2.13E-06	1.02E-06	7.61E-07	1.28E-05	9.26E-07	8.45E-11	3.62E-22	0.00E+00
Avg		1.53E-07	1.09E-07	7.83E-08	1.01E-07	6.10E-09	5.05E-13	6.22E-24	0.00E+00
Std		1.48E-07	7.97E-08	6.37E-08	8.04E-07	5.33E-08	4.67E-12	3.30E-23	0.00E+00
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ALL is total risk summed for all nuclides.

Probabilistic results summary : RESRAD Default Parameters

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Probabilistic Dose vs Pathway(i): Ground External

Nuclide	DOSE(i,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
Co-60								
Min	1.93E-07	1.82E-18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	1.61E-05	1.29E-04	8.25E-03	5.09E-01	3.75E-02	3.42E-06	1.45E-17	0.00E+00
Avg	4.29E-06	4.10E-06	2.18E-05	3.27E-03	1.92E-04	1.55E-08	2.40E-19	0.00E+00
Std	1.10E-06	6.26E-06	2.89E-04	3.42E-02	2.23E-03	1.89E-07	1.34E-18	0.00E+00
ALL								
Min	1.93E-07	1.82E-18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	1.61E-05	1.29E-04	8.25E-03	5.09E-01	3.75E-02	3.42E-06	1.45E-17	0.00E+00
Avg	4.29E-06	4.10E-06	2.18E-05	3.27E-03	1.92E-04	1.55E-08	2.40E-19	0.00E+00
Std	1.10E-06	6.26E-06	2.89E-04	3.42E-02	2.23E-03	1.89E-07	1.34E-18	0.00E+00

ALL is total pathway dose summed for all nuclides.

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

Nuclide	DOSE(i,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
Co-60								
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	2.22E-10	9.55E-08	6.68E-09	3.08E-12	6.18E-24	0.00E+00
Avg	0.00E+00	0.00E+00	1.48E-13	3.53E-10	2.14E-11	4.11E-15	5.31E-26	0.00E+00
Std	0.00E+00	0.00E+00	5.74E-12	4.27E-09	3.07E-10	8.54E-14	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	2.22E-10	9.55E-08	6.68E-09	3.08E-12	6.18E-24	0.00E+00
Avg	0.00E+00	0.00E+00	1.48E-13	3.53E-10	2.14E-11	4.11E-15	5.31E-26	0.00E+00
Std	0.00E+00	0.00E+00	5.74E-12	4.27E-09	3.07E-10	8.54E-14	0.00E+00	0.00E+00

ALL is total pathway dose summed for all nuclides.

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

Nuclide	DOSE(i,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
Co-60								
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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Probabilistic Dose vs Pathway(i): Plant (Water Ind.)

Nuclide	DOSE(i,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
Co-60								
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	1.11E-02	9.70E-03	9.54E-03	3.57E-03	4.07E-04	3.08E-08	2.33E-19	0.00E+00
Avg	4.02E-03	3.27E-03	2.34E-03	8.08E-04	4.83E-05	3.89E-09	1.17E-20	0.00E+00
Std	2.83E-03	2.50E-03	1.95E-03	7.69E-04	5.54E-05	5.52E-09	2.35E-20	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	1.11E-02	9.70E-03	9.54E-03	3.57E-03	4.07E-04	3.08E-08	2.33E-19	0.00E+00
Avg	4.02E-03	3.27E-03	2.34E-03	8.08E-04	4.83E-05	3.89E-09	1.17E-20	0.00E+00
Std	2.83E-03	2.50E-03	1.95E-03	7.69E-04	5.54E-05	5.52E-09	2.35E-20	0.00E+00

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

Nuclide	DOSE(i,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
Co-60								
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	9.53E-04	8.37E-04	8.23E-04	6.38E-04	5.65E-05	7.90E-09	2.96E-20	0.00E+00
Avg	3.52E-04	2.84E-04	2.03E-04	7.13E-05	4.27E-06	3.48E-10	1.22E-21	0.00E+00
Std	2.44E-04	2.16E-04	1.68E-04	6.94E-05	5.11E-06	5.31E-10	2.62E-21	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	9.53E-04	8.37E-04	8.23E-04	6.38E-04	5.65E-05	7.90E-09	2.96E-20	0.00E+00
Avg	3.52E-04	2.84E-04	2.03E-04	7.13E-05	4.27E-06	3.48E-10	1.22E-21	0.00E+00
Std	2.44E-04	2.16E-04	1.68E-04	6.94E-05	5.11E-06	5.31E-10	2.62E-21	0.00E+00

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

Nuclide	DOSE(i,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
Co-60								
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	4.29E-04	3.76E-04	3.70E-04	2.02E-04	1.92E-05	1.74E-09	1.09E-20	0.00E+00
Avg	1.57E-04	1.27E-04	9.10E-05	3.17E-05	1.89E-06	1.53E-10	4.93E-22	0.00E+00
Std	1.10E-04	9.71E-05	7.57E-05	3.03E-05	2.19E-06	2.20E-10	1.01E-21	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	4.29E-04	3.76E-04	3.70E-04	2.02E-04	1.92E-05	1.74E-09	1.09E-20	0.00E+00
Avg	1.57E-04	1.27E-04	9.10E-05	3.17E-05	1.89E-06	1.53E-10	4.93E-22	0.00E+00
Std	1.10E-04	9.71E-05	7.57E-05	3.03E-05	2.19E-06	2.20E-10	1.01E-21	0.00E+00

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Probabilistic Dose vs Pathway(i): Soil Ingestion

Nuclide	DOSE(i,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
Co-60								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	4.73E-08	1.59E-05	1.16E-06	3.38E-10	8.97E-22	0.00E+00
Avg	0.00E+00	0.00E+00	3.15E-11	7.07E-08	4.91E-09	5.54E-13	1.01E-23	0.00E+00
Std	0.00E+00	0.00E+00	1.22E-09	7.21E-07	6.23E-08	9.83E-12	5.17E-23	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	4.73E-08	1.59E-05	1.16E-06	3.38E-10	8.97E-22	0.00E+00
Avg	0.00E+00	0.00E+00	3.15E-11	7.07E-08	4.91E-09	5.54E-13	1.01E-23	0.00E+00
Std	0.00E+00	0.00E+00	1.22E-09	7.21E-07	6.23E-08	9.83E-12	5.17E-23	0.00E+00

ALL is total pathway dose summed for all nuclides.

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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/>								
Co-60								
Min	1.80E-09	1.60E-09	1.26E-09	5.47E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	4.15E-02	4.90E-02	2.46E-02	4.23E-03	1.14E-04	4.13E-09	4.59E-21	0.00E+00
Avg	5.28E-04	3.78E-04	2.93E-04	9.26E-05	4.10E-06	2.15E-10	3.72E-22	0.00E+00
Std	1.88E-03	1.76E-03	1.31E-03	3.08E-04	1.05E-05	4.10E-10	6.06E-22	0.00E+00
<hr/>								
ALL								
Min	1.80E-09	1.60E-09	1.26E-09	5.47E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	4.15E-02	4.90E-02	2.46E-02	4.23E-03	1.14E-04	4.13E-09	4.59E-21	0.00E+00
Avg	5.28E-04	3.78E-04	2.93E-04	9.26E-05	4.10E-06	2.15E-10	3.72E-22	0.00E+00
Std	1.88E-03	1.76E-03	1.31E-03	3.08E-04	1.05E-05	4.10E-10	6.06E-22	0.00E+00
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ALL is total pathway dose summed for all nuclides.

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Probabilistic Dose vs Pathway(i): Fish Ingestion

Nuclide	DOSE(i,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
Co-60								
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

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 CO-60.RAD

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

Nuclide	DOSE(i,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
<hr/>								
Co-60								
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
<hr/>								
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
<hr/>								

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 CO-60.RAD

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

Nuclide	DOSE(i,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
Co-60								
Min	2.91E-10	2.63E-10	2.13E-10	8.74E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	3.08E-03	5.30E-03	2.69E-03	6.48E-04	1.67E-05	8.68E-10	7.98E-22	0.00E+00
Avg	4.75E-05	3.53E-05	2.71E-05	8.71E-06	3.75E-07	2.10E-11	3.64E-23	0.00E+00
Std	1.56E-04	1.78E-04	1.28E-04	3.23E-05	9.99E-07	4.88E-11	7.15E-23	0.00E+00
ALL								
Min	2.91E-10	2.63E-10	2.13E-10	8.74E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	3.08E-03	5.30E-03	2.69E-03	6.48E-04	1.67E-05	8.68E-10	7.98E-22	0.00E+00
Avg	4.75E-05	3.53E-05	2.71E-05	8.71E-06	3.75E-07	2.10E-11	3.64E-23	0.00E+00
Std	1.56E-04	1.78E-04	1.28E-04	3.23E-05	9.99E-07	4.88E-11	7.15E-23	0.00E+00

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 CO-60.RAD

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

Nuclide	DOSE(i,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
Co-60								
Min	1.66E-10	1.48E-10	1.16E-10	5.04E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	2.72E-03	3.58E-03	1.96E-03	3.37E-04	8.52E-06	3.26E-10	2.92E-22	0.00E+00
Avg	3.92E-05	2.65E-05	2.06E-05	6.55E-06	2.88E-07	1.52E-11	2.64E-23	0.00E+00
Std	1.35E-04	1.24E-04	9.42E-05	2.22E-05	7.32E-07	2.93E-11	4.28E-23	0.00E+00
ALL								
Min	1.66E-10	1.48E-10	1.16E-10	5.04E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	2.72E-03	3.58E-03	1.96E-03	3.37E-04	8.52E-06	3.26E-10	2.92E-22	0.00E+00
Avg	3.92E-05	2.65E-05	2.06E-05	6.55E-06	2.88E-07	1.52E-11	2.64E-23	0.00E+00
Std	1.35E-04	1.24E-04	9.42E-05	2.22E-05	7.32E-07	2.93E-11	4.28E-23	0.00E+00

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 CO-60.RAD

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

Nuclide	DOSE(i,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
Co-60								
Min	5.69E-11	5.06E-11	3.99E-11	1.73E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	7.24E-04	1.16E-03	6.18E-04	1.12E-04	2.72E-06	1.06E-10	9.02E-23	0.00E+00
Avg	1.17E-05	8.18E-06	6.34E-06	2.02E-06	8.85E-08	4.71E-12	8.16E-24	0.00E+00
Std	3.96E-05	3.94E-05	2.92E-05	6.89E-06	2.26E-07	9.16E-12	1.34E-23	0.00E+00
ALL								
Min	5.69E-11	5.06E-11	3.99E-11	1.73E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	7.24E-04	1.16E-03	6.18E-04	1.12E-04	2.72E-06	1.06E-10	9.02E-23	0.00E+00
Avg	1.17E-05	8.18E-06	6.34E-06	2.02E-06	8.85E-08	4.71E-12	8.16E-24	0.00E+00
Std	3.96E-05	3.94E-05	2.92E-05	6.89E-06	2.26E-07	9.16E-12	1.34E-23	0.00E+00

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 CO-60.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	5.71E-06	5.10E-06	3.92E-06	1.53E-06	3.53E-08	1.38E-22	0.00E+00	0.00E+00
0.050	1.06E-05	9.62E-06	6.68E-06	2.18E-06	1.20E-07	4.59E-13	0.00E+00	0.00E+00
0.075	1.96E-05	1.82E-05	1.34E-05	3.99E-06	1.90E-07	3.81E-12	0.00E+00	0.00E+00
0.100	4.13E-05	3.37E-05	2.26E-05	6.17E-06	3.22E-07	8.37E-12	9.76E-26	0.00E+00
0.125	1.22E-04	8.07E-05	5.15E-05	1.03E-05	4.53E-07	1.51E-11	1.42E-24	0.00E+00
0.150	2.47E-04	1.63E-04	8.49E-05	1.70E-05	5.93E-07	2.39E-11	4.39E-24	0.00E+00
0.175	7.81E-04	2.97E-04	1.36E-04	2.70E-05	8.25E-07	3.68E-11	1.72E-23	0.00E+00
0.200	1.84E-03	4.90E-04	2.38E-04	3.98E-05	1.26E-06	5.20E-11	2.53E-23	0.00E+00
0.225	3.50E-03	1.08E-03	3.52E-04	7.00E-05	1.81E-06	7.44E-11	4.19E-23	0.00E+00
0.250	3.63E-03	2.08E-03	7.05E-04	1.03E-04	2.79E-06	9.33E-11	6.54E-23	0.00E+00
0.275	3.73E-03	2.69E-03	1.15E-03	1.61E-04	4.21E-06	1.27E-10	9.89E-23	0.00E+00
0.300	3.86E-03	3.10E-03	1.70E-03	2.37E-04	6.21E-06	1.68E-10	1.42E-22	0.00E+00
0.325	4.00E-03	3.18E-03	2.11E-03	3.68E-04	8.66E-06	2.19E-10	1.90E-22	0.00E+00
0.350	4.07E-03	3.28E-03	2.33E-03	5.30E-04	1.16E-05	3.02E-10	2.58E-22	0.00E+00
0.375	4.20E-03	3.39E-03	2.43E-03	6.71E-04	1.50E-05	3.90E-10	3.44E-22	0.00E+00
0.400	4.34E-03	3.49E-03	2.50E-03	7.96E-04	2.07E-05	4.89E-10	4.50E-22	0.00E+00
0.425	4.47E-03	3.58E-03	2.59E-03	8.92E-04	2.76E-05	6.63E-10	5.72E-22	0.00E+00
0.450	4.60E-03	3.69E-03	2.67E-03	9.44E-04	3.65E-05	8.69E-10	7.17E-22	0.00E+00
0.475	4.75E-03	3.81E-03	2.74E-03	9.83E-04	4.54E-05	1.09E-09	9.41E-22	0.00E+00
0.500	4.84E-03	3.95E-03	2.83E-03	1.01E-03	5.31E-05	1.35E-09	1.19E-21	0.00E+00
0.525	5.05E-03	4.07E-03	2.95E-03	1.05E-03	5.95E-05	1.89E-09	1.49E-21	0.00E+00
0.550	5.23E-03	4.19E-03	3.06E-03	1.09E-03	6.53E-05	2.58E-09	1.87E-21	0.00E+00
0.575	5.42E-03	4.36E-03	3.17E-03	1.14E-03	6.89E-05	3.29E-09	2.59E-21	0.00E+00
0.600	5.60E-03	4.54E-03	3.28E-03	1.19E-03	7.14E-05	4.27E-09	3.57E-21	0.00E+00
0.625	5.82E-03	4.69E-03	3.43E-03	1.24E-03	7.50E-05	5.09E-09	5.27E-21	0.00E+00
0.650	6.03E-03	4.89E-03	3.58E-03	1.28E-03	7.87E-05	5.78E-09	8.21E-21	0.00E+00
0.675	6.28E-03	5.09E-03	3.71E-03	1.33E-03	8.31E-05	6.62E-09	1.33E-20	0.00E+00
0.700	6.54E-03	5.31E-03	3.90E-03	1.39E-03	8.70E-05	7.06E-09	1.91E-20	0.00E+00
0.725	6.81E-03	5.54E-03	4.05E-03	1.49E-03	9.06E-05	7.41E-09	2.40E-20	0.00E+00
0.750	7.13E-03	5.84E-03	4.26E-03	1.57E-03	9.57E-05	7.98E-09	2.75E-20	0.00E+00
0.775	7.46E-03	6.06E-03	4.47E-03	1.64E-03	1.02E-04	8.53E-09	3.21E-20	0.00E+00
0.800	7.79E-03	6.31E-03	4.75E-03	1.76E-03	1.09E-04	9.16E-09	4.09E-20	0.00E+00
0.825	8.14E-03	6.66E-03	5.03E-03	1.87E-03	1.17E-04	9.86E-09	4.92E-20	0.00E+00
0.850	8.58E-03	7.10E-03	5.33E-03	2.01E-03	1.29E-04	1.11E-08	6.04E-20	0.00E+00
0.875	9.05E-03	7.56E-03	5.78E-03	2.19E-03	1.40E-04	1.28E-08	8.18E-20	0.00E+00
0.900	9.56E-03	8.13E-03	6.18E-03	2.39E-03	1.56E-04	1.46E-08	1.12E-19	0.00E+00
0.925	1.02E-02	8.61E-03	6.55E-03	2.57E-03	1.75E-04	1.71E-08	2.72E-19	0.00E+00
0.950	1.10E-02	9.34E-03	7.21E-03	2.89E-03	1.95E-04	1.95E-08	7.88E-19	0.00E+00
0.975	1.21E-02	1.03E-02	7.98E-03	3.24E-03	2.28E-04	2.51E-08	3.00E-18	0.00E+00
1.000	4.89E-02	6.15E-02	3.06E-02	5.14E-01	3.78E-02	3.45E-06	1.47E-17	0.00E+00

Probabilistic results summary : RESRAD Default Parameters

File : C:\USERS\DNF\DOCUMENTS\FT CALHOUN\RESRAD INPUT FILES\BP INSITU UA\FCS BURIED PIPE INSITU UA CO-60.RAD

Summary of dose at graphical times, reptition 1

Time Years	Dose statistics at graphical times, mrem/yr							
	Minimum	Maximum	Mean	Median	90%	95%	97.5%	99%
0.00E+00	4.57E-06	2.24E-02	5.13E-03	4.77E-03	9.62E-03	1.13E-02	1.22E-02	1.33E-02
1.00E+00	4.07E-06	2.63E-02	4.12E-03	3.92E-03	8.14E-03	9.46E-03	1.05E-02	1.18E-02
1.06E+00	4.04E-06	2.67E-02	4.08E-03	3.88E-03	8.08E-03	9.40E-03	1.04E-02	1.17E-02
1.12E+00	3.19E-06	2.71E-02	4.03E-03	3.84E-03	8.01E-03	9.39E-03	1.03E-02	1.16E-02
1.19E+00	2.36E-06	2.75E-02	3.99E-03	3.80E-03	7.94E-03	9.36E-03	1.02E-02	1.16E-02
1.25E+00	1.76E-06	2.79E-02	3.95E-03	3.76E-03	7.85E-03	9.28E-03	1.01E-02	1.15E-02
1.33E+00	1.35E-06	2.82E-02	3.90E-03	3.70E-03	7.77E-03	9.19E-03	9.99E-03	1.14E-02
1.40E+00	1.07E-06	2.86E-02	3.85E-03	3.62E-03	7.69E-03	9.09E-03	9.89E-03	1.12E-02
1.49E+00	8.88E-07	2.90E-02	3.80E-03	3.59E-03	7.61E-03	8.99E-03	9.78E-03	1.11E-02
1.57E+00	7.68E-07	2.93E-02	3.75E-03	3.53E-03	7.52E-03	8.88E-03	9.67E-03	1.10E-02
1.66E+00	6.90E-07	2.97E-02	3.69E-03	3.47E-03	7.44E-03	8.77E-03	9.55E-03	1.09E-02
1.76E+00	6.41E-07	2.99E-02	3.63E-03	3.42E-03	7.34E-03	8.66E-03	9.46E-03	1.08E-02
1.86E+00	6.09E-07	3.01E-02	3.58E-03	3.37E-03	7.25E-03	8.54E-03	9.30E-03	1.06E-02
1.97E+00	5.87E-07	3.02E-02	3.52E-03	3.32E-03	7.16E-03	8.41E-03	9.18E-03	1.05E-02
2.09E+00	5.71E-07	2.98E-02	3.45E-03	3.27E-03	7.07E-03	8.29E-03	9.07E-03	1.03E-02
2.21E+00	5.58E-07	2.93E-02	3.39E-03	3.21E-03	6.96E-03	8.15E-03	8.95E-03	1.02E-02
2.24E+00	5.47E-07	2.86E-02	3.32E-03	3.15E-03	6.83E-03	8.01E-03	8.83E-03	1.00E-02
2.27E+00	5.37E-07	2.75E-02	3.25E-03	3.08E-03	6.70E-03	7.80E-03	8.69E-03	9.84E-03
2.26E+00	5.27E-07	2.61E-02	3.18E-03	3.03E-03	6.58E-03	7.65E-03	8.52E-03	9.66E-03
2.27E+00	5.16E-07	2.45E-02	3.10E-03	2.95E-03	6.46E-03	7.60E-03	8.35E-03	9.48E-03
2.29E+00	5.06E-07	2.28E-02	3.03E-03	2.87E-03	6.34E-03	7.45E-03	8.17E-03	9.29E-03
3.00E+00	5.01E-07	2.21E-02	3.00E-03	2.82E-03	6.28E-03	7.40E-03	8.20E-03	9.21E-03
3.13E+00	4.95E-07	2.11E-02	2.96E-03	2.76E-03	6.19E-03	7.29E-03	8.09E-03	1.09E-02
3.28E+00	4.84E-07	1.95E-02	2.89E-03	2.68E-03	6.04E-03	7.11E-03	7.90E-03	1.20E-02
3.48E+00	4.72E-07	3.08E-02	2.84E-03	2.59E-03	5.88E-03	6.92E-03	7.72E-03	1.18E-02
3.68E+00	4.61E-07	4.69E-02	2.78E-03	2.49E-03	5.73E-03	6.71E-03	7.51E-03	1.15E-02
3.89E+00	3.29E-07	7.03E-02	2.75E-03	2.41E-03	5.57E-03	6.54E-03	7.31E-03	1.12E-02
4.12E+00	2.16E-07	1.06E-01	2.74E-03	2.34E-03	5.36E-03	6.34E-03	7.10E-03	1.21E-02
4.36E+00	1.42E-07	1.60E-01	2.77E-03	2.26E-03	5.17E-03	6.13E-03	6.87E-03	1.20E-02
4.61E+00	9.63E-08	2.56E-01	2.89E-03	2.17E-03	4.99E-03	5.93E-03	6.64E-03	1.13E-02
4.88E+00	6.79E-08	4.35E-01	3.19E-03	2.09E-03	4.86E-03	5.77E-03	6.41E-03	1.09E-02
5.17E+00	5.08E-08	6.13E-01	3.51E-03	2.00E-03	4.71E-03	5.54E-03	6.17E-03	9.60E-03
5.47E+00	4.05E-08	7.53E-01	3.80E-03	1.92E-03	4.53E-03	5.33E-03	6.07E-03	9.22E-03
5.78E+00	3.44E-08	7.87E-01	3.95E-03	1.83E-03	4.35E-03	5.09E-03	5.82E-03	8.85E-03
6.12E+00	3.05E-08	7.23E-01	4.05E-03	1.75E-03	4.16E-03	4.86E-03	5.49E-03	9.75E-03
6.48E+00	2.79E-08	6.61E-01	4.32E-03	1.67E-03	4.00E-03	4.62E-03	5.18E-03	1.31E-02
6.86E+00	2.60E-08	5.99E-01	4.72E-03	1.58E-03	3.79E-03	4.38E-03	4.93E-03	1.84E-02
7.26E+00	2.44E-08	6.38E-01	4.92E-03	1.49E-03	3.58E-03	4.15E-03	4.73E-03	2.71E-02
7.68E+00	2.30E-08	7.06E-01	4.84E-03	1.39E-03	3.33E-03	3.91E-03	4.52E-03	4.19E-02
8.13E+00	2.16E-08	6.53E-01	4.59E-03	1.31E-03	3.19E-03	3.68E-03	4.26E-03	6.71E-02
8.60E+00	2.03E-08	6.01E-01	4.44E-03	1.22E-03	3.00E-03	3.47E-03	4.00E-03	1.11E-01
9.10E+00	1.90E-08	5.50E-01	4.34E-03	1.13E-03	2.81E-03	3.27E-03	3.74E-03	1.91E-01
9.63E+00	1.78E-08	5.01E-01	4.26E-03	1.05E-03	2.62E-03	3.04E-03	3.52E-03	1.77E-01
1.00E+01	1.69E-08	4.69E-01	4.16E-03	9.93E-04	2.49E-03	2.90E-03	3.35E-03	1.57E-01
1.02E+01	1.65E-08	4.53E-01	4.07E-03	9.68E-04	2.43E-03	2.89E-03	3.26E-03	1.47E-01
1.08E+01	1.53E-08	4.07E-01	3.70E-03	8.77E-04	2.23E-03	2.61E-03	2.99E-03	1.21E-01
1.14E+01	1.41E-08	3.63E-01	3.43E-03	7.98E-04	2.05E-03	2.40E-03	2.78E-03	1.19E-01
1.21E+01	1.30E-08	3.21E-01	3.31E-03	7.28E-04	1.87E-03	2.20E-03	2.54E-03	7.82E-02
1.28E+01	6.35E-10	2.82E-01	2.83E-03	6.59E-04	1.70E-03	1.95E-03	2.32E-03	1.22E-01
1.35E+01	3.59E-12	2.45E-01	2.33E-03	5.95E-04	1.53E-03	1.76E-03	2.10E-03	4.35E-02
1.43E+01	1.51E-14	2.95E-01	2.22E-03	5.25E-04	1.37E-03	1.58E-03	1.86E-03	4.64E-02
1.51E+01	4.58E-17	2.58E-01	1.96E-03	4.65E-04	1.21E-03	1.41E-03	1.65E-03	7.65E-02
1.60E+01	9.95E-20	2.22E-01	1.79E-03	4.11E-04	1.08E-03	1.26E-03	1.46E-03	7.09E-02
1.70E+01	1.51E-22	1.89E-01	1.63E-03	3.55E-04	9.50E-04	1.11E-03	1.30E-03	5.83E-02
1.80E+01	1.57E-25	1.60E-01	1.34E-03	3.06E-04	8.33E-04	9.69E-04	1.13E-03	4.02E-02
1.90E+01	1.10E-28	1.33E-01	1.09E-03	2.64E-04	7.18E-04	8.40E-04	9.66E-04	3.80E-02

2.01E+01 0.00E+00 1.09E-01 9.04E-04 2.20E-04 6.19E-04 7.23E-04 8.35E-04 2.99E-02

2.13E+01 0.00E+00 1.07E-01 8.05E-04 1.82E-04 5.29E-04 6.15E-04 7.04E-04 2.33E-02

2.25E+01 0.00E+00 9.07E-02 6.18E-04 1.53E-04 4.48E-04 5.22E-04 5.99E-04 1.75E-02

2.38E+01 0.00E+00 7.01E-02 4.53E-04 1.26E-04 3.74E-04 4.37E-04 5.03E-04 4.05E-03

2.52E+01 0.00E+00 5.28E-02 3.45E-04 1.03E-04 3.10E-04 3.66E-04 4.19E-04 4.64E-03



2.67E+01 0.00E+00 3.84E-02 2.65E-04 8.24E-05 2.54E-04 3.01E-04 3.49E-04 1.39E-03

2.82E+01 0.00E+00 2.60E-02 2.09E-04 6.38E-05 2.05E-04 2.46E-04 2.88E-04 1.21E-03

2.99E+01 0.00E+00 2.01E-02 1.71E-04 5.01E-05 1.65E-04 1.99E-04 2.31E-04 7.94E-04

3.00E+01 0.00E+00 2.08E-02 1.70E-04 4.93E-05 1.62E-04 1.98E-04 2.27E-04 8.09E-04

3.16E+01 0.00E+00 2.48E-02 1.40E-04 3.86E-05 1.30E-04 1.61E-04 1.86E-04 1.05E-03

3.35E+01 0.00E+00 1.71E-02 9.30E-05 2.81E-05 1.02E-04 1.27E-04 1.48E-04 1.47E-03

3.54E+01 0.00E+00 1.13E-02 5.92E-05 2.06E-05 7.82E-05 9.71E-05 1.14E-04 3.74E-04

3.75E+01 0.00E+00 6.75E-03 4.21E-05 1.48E-05 5.92E-05 7.37E-05 8.53E-05 1.01E-04



3.97E+01 0.00E+00 3.50E-03 3.09E-05 1.05E-05 4.44E-05 5.55E-05 6.39E-05 7.61E-05

4.20E+01 0.00E+00 4.39E-03 2.38E-05 7.37E-06 3.24E-05 4.09E-05 4.76E-05 5.62E-05

4.44E+01 0.00E+00 2.87E-03 1.47E-05 5.05E-06 2.32E-05 2.96E-05 3.39E-05 3.90E-05

4.70E+01 0.00E+00 1.82E-03 9.84E-06 3.41E-06 1.64E-05 2.10E-05 2.42E-05 2.77E-05

4.97E+01 0.00E+00 1.11E-03 6.47E-06 2.24E-06 1.14E-05 1.46E-05 1.68E-05 2.02E-05

5.26E+01 0.00E+00 6.48E-04 4.17E-06 1.44E-06 7.79E-06 9.90E-06 1.15E-05 1.48E-05

5.57E+01 0.00E+00 3.48E-04 2.61E-06 8.93E-07 5.21E-06 6.66E-06 7.77E-06 1.19E-05

5.90E+01 0.00E+00 1.72E-04 1.61E-06 5.44E-07 3.41E-06 4.34E-06 5.07E-06 6.08E-06



6.24E+01 0.00E+00 7.32E-05 9.83E-07 3.16E-07 2.19E-06 2.77E-06 3.22E-06 3.83E-06

60E+01 0.00E+00 2.46E-05 5.72E-07 1.81E-07 1.34E-06 1.71E-06 1.99E-06 2.39E-06

99E+01 0.00E+00 2.64E-05 3.41E-07 1.05E-07 8.00E-07 1.03E-06 1.18E-06 1.43E-06

7.39E+01 0.00E+00 2.87E-05 2.29E-07 5.95E-08 4.66E-07 6.05E-07 7.07E-07 8.40E-07

7.82E+01 0.00E+00 3.16E-05 1.64E-07 3.12E-08 2.63E-07 3.43E-07 4.17E-07 4.94E-07

8.28E+01 0.00E+00 3.67E-05 1.33E-07 1.69E-08 1.49E-07 1.88E-07 2.20E-07 2.63E-07

8.76E+01 0.00E+00 1.73E-05 7.12E-08 8.65E-09 7.99E-08 1.01E-07 1.28E-07 1.66E-07

9.27E+01 0.00E+00 7.62E-06 3.76E-08 4.25E-09 4.16E-08 5.30E-08 6.55E-08 8.89E-08



9.81E+01 0.00E+00 3.01E-06 1.64E-08 1.88E-09 2.04E-08 2.57E-08 3.33E-08 4.38E-08

1.00E+02 0.00E+00 2.13E-06 1.23E-08 1.37E-09 1.61E-08 2.00E-08 2.60E-08 3.43E-08

1.04E+02 0.00E+00 9.98E-07 6.72E-09 8.08E-10 9.60E-09 1.19E-08 1.57E-08 2.41E-08

1.10E+02 0.00E+00 2.21E-07 2.54E-09 3.33E-10 4.38E-09 5.59E-09 7.18E-09 1.65E-08

1.16E+02 0.00E+00 7.28E-08 9.16E-10 1.39E-10 1.85E-09 2.39E-09 3.05E-09 9.07E-09

1.23E+02 0.00E+00 5.64E-08 4.01E-10 5.38E-11 8.06E-10 9.77E-10 1.25E-09 3.06E-09

1.30E+02 0.00E+00 4.32E-08 2.04E-10 2.01E-11 3.14E-10 4.07E-10 5.03E-10 9.49E-10

1.38E+02 0.00E+00 2.62E-08 1.02E-10 7.23E-12 1.16E-10 1.59E-10 2.03E-10 3.95E-10



1.46E+02 0.00E+00 9.11E-09 3.92E-11 2.35E-12 4.38E-11 5.81E-11 8.27E-11 1.64E-10

1.54E+02 0.00E+00 2.97E-09 1.25E-11 7.29E-13 1.39E-11 1.97E-11 3.33E-11 5.56E-11

1.63E+02 0.00E+00 9.10E-10 4.57E-12 2.15E-13 4.39E-12 6.46E-12 1.42E-11 2.19E-11

1.73E+02 0.00E+00 2.60E-10 1.40E-12 6.30E-14 1.31E-12 1.91E-12 5.68E-12 9.93E-12

1.83E+02 0.00E+00 6.89E-11 3.78E-13 1.50E-14 3.47E-13 6.77E-13 2.35E-12 4.37E-12

1.94E+02 0.00E+00 1.69E-11 1.00E-13 3.43E-15 9.05E-14 2.33E-13 9.52E-13 1.71E-12

2.05E+02 0.00E+00 3.83E-12 3.01E-14 7.29E-16 2.15E-14 6.56E-14 3.08E-13 7.06E-13

2.17E+02 0.00E+00 7.95E-13 8.87E-15 1.38E-16 4.76E-15 2.20E-14 1.14E-13 2.60E-13



2.29E+02 0.00E+00 1.51E-13 2.44E-15 2.44E-17 1.01E-15 3.44E-15 3.40E-14 7.50E-14

2.43E+02 0.00E+00 2.59E-14 5.00E-16 3.87E-18 1.96E-16 7.26E-16 6.95E-15 2.10E-14

2.57E+02 0.00E+00 4.14E-15 9.65E-17 5.30E-19 3.79E-17 1.58E-16 1.79E-15 3.58E-15

2.72E+02 0.00E+00 5.59E-16 1.14E-17 5.77E-20 5.78E-18 2.11E-17 1.66E-16 4.30E-16

2.88E+02 0.00E+00 6.94E-17 1.41E-18 6.36E-21 7.06E-19 3.48E-18 1.00E-17 5.85E-17

3.00E+02 0.00E+00 1.40E-17 2.74E-19 1.21E-21 1.41E-19 8.46E-19 2.08E-18 1.26E-17

3.05E+02 0.00E+00 7.62E-18 1.51E-19 6.60E-22 8.28E-20 4.87E-19 1.35E-18 6.11E-18

3.22E+02 0.00E+00 7.36E-19 1.56E-20 5.61E-23 9.04E-21 5.93E-20 1.76E-19 5.38E-19



3.41E+02 0.00E+00 6.21E-20 1.58E-21 3.73E-24 6.30E-22 5.55E-21 2.56E-20 5.33E-20

3.61E+02 0.00E+00 4.53E-21 1.08E-22 2.34E-25 3.88E-23 3.61E-22 1.77E-21 3.26E-21

3.82E+02 0.00E+00 2.84E-22 7.95E-24 1.41E-26 2.44E-24 3.45E-23 1.37E-22 2.50E-22

4.04E+02 0.00E+00 1.63E-23 4.16E-25 6.26E-28 1.52E-25 1.67E-24 7.37E-24 1.33E-23

4.28E+02 0.00E+00 7.32E-25 1.96E-26 1.30E-29 4.89E-27 1.10E-25 3.32E-25 5.96E-25

4.53E+02 0.00E+00 2.74E-26 7.81E-28 0.00E+00 2.02E-28 2.89E-27 1.26E-26 2.31E-26

4.79E+02 0.00E+00 8.46E-28 2.32E-29 0.00E+00 5.49E-30 8.06E-29 4.64E-28 7.64E-28

5.07E+02 0.00E+00 2.13E-29 4.43E-31 0.00E+00 0.00E+00 1.44E-30 7.59E-30 1.71E-29



5.36E+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

5.68E+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

0.01E+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 0.00E+00

6.36E+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

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

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

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 0.00E+00

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 0.00E+00



8.44E+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 0.00E+00

9.93E+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 0.00E+00

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

1.00E+03 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 CO-60.RAD

Summary of dose at graphical times, reptition 2

Time Years	Dose statistics at graphical times, mrem/yr							
	Minimum	Maximum	Mean	Median	90%	95%	97.5%	99%
0.00E+00	4.54E-06	3.87E-02	5.12E-03	4.85E-03	9.49E-03	1.10E-02	1.20E-02	1.26E-02
1.00E+00	1.03E-06	6.15E-02	4.16E-03	3.94E-03	8.12E-03	9.41E-03	1.01E-02	1.08E-02
1.06E+00	8.51E-07	6.23E-02	4.12E-03	3.89E-03	8.06E-03	9.34E-03	1.00E-02	1.07E-02
1.12E+00	7.28E-07	6.29E-02	4.08E-03	3.85E-03	7.99E-03	9.27E-03	9.93E-03	1.06E-02
1.19E+00	6.45E-07	6.34E-02	4.04E-03	3.82E-03	7.89E-03	9.19E-03	9.85E-03	1.05E-02
1.25E+00	5.89E-07	6.38E-02	4.00E-03	3.78E-03	7.81E-03	9.11E-03	9.76E-03	1.04E-02
1.33E+00	5.53E-07	6.39E-02	3.95E-03	3.74E-03	7.73E-03	9.03E-03	9.66E-03	1.03E-02
1.40E+00	5.29E-07	6.37E-02	3.90E-03	3.68E-03	7.64E-03	8.98E-03	9.57E-03	1.03E-02
1.49E+00	5.12E-07	6.32E-02	3.85E-03	3.63E-03	7.56E-03	8.88E-03	9.46E-03	1.02E-02
1.57E+00	5.00E-07	6.23E-02	3.80E-03	3.57E-03	7.56E-03	8.77E-03	9.36E-03	1.00E-02
1.66E+00	4.91E-07	6.11E-02	3.75E-03	3.51E-03	7.45E-03	8.72E-03	9.24E-03	9.91E-03
1.76E+00	4.83E-07	5.93E-02	3.69E-03	3.47E-03	7.33E-03	8.55E-03	9.17E-03	1.01E-02
1.86E+00	4.76E-07	5.71E-02	3.63E-03	3.41E-03	7.23E-03	8.37E-03	9.05E-03	1.03E-02
1.97E+00	4.69E-07	5.45E-02	3.56E-03	3.36E-03	7.12E-03	8.22E-03	8.92E-03	1.01E-02
2.09E+00	4.62E-07	5.13E-02	3.49E-03	3.29E-03	6.99E-03	8.15E-03	8.78E-03	9.98E-03
2.21E+00	4.54E-07	4.79E-02	3.42E-03	3.22E-03	6.83E-03	8.03E-03	8.64E-03	9.83E-03
2.24E+00	4.47E-07	4.45E-02	3.35E-03	3.16E-03	6.71E-03	7.93E-03	8.50E-03	9.67E-03
2.27E+00	4.40E-07	4.12E-02	3.28E-03	3.10E-03	6.59E-03	7.76E-03	8.35E-03	9.51E-03
2.26E+00	4.32E-07	3.80E-02	3.20E-03	3.03E-03	6.46E-03	7.60E-03	8.19E-03	9.33E-03
2.27E+00	4.24E-07	3.49E-02	3.12E-03	2.94E-03	6.32E-03	7.44E-03	8.06E-03	9.15E-03
2.29E+00	4.16E-07	3.18E-02	3.04E-03	2.88E-03	6.20E-03	7.27E-03	7.97E-03	8.96E-03
3.00E+00	4.12E-07	3.06E-02	3.01E-03	2.85E-03	6.18E-03	7.20E-03	7.90E-03	8.89E-03
3.31E+00	4.08E-07	2.89E-02	2.97E-03	2.80E-03	6.06E-03	7.16E-03	7.83E-03	8.77E-03
3.32E+00	3.98E-07	2.61E-02	2.89E-03	2.73E-03	5.91E-03	7.02E-03	7.79E-03	8.44E-03
3.48E+00	3.88E-07	2.34E-02	2.82E-03	2.67E-03	5.77E-03	6.85E-03	7.60E-03	1.09E-02
3.68E+00	3.77E-07	2.09E-02	2.75E-03	2.58E-03	5.62E-03	6.67E-03	7.39E-03	1.07E-02
3.89E+00	3.65E-07	2.47E-02	2.69E-03	2.52E-03	5.48E-03	6.55E-03	7.18E-03	1.01E-02
4.12E+00	3.53E-07	3.64E-02	2.65E-03	2.44E-03	5.27E-03	6.36E-03	6.99E-03	9.61E-03
4.36E+00	3.42E-07	5.57E-02	2.64E-03	2.37E-03	5.11E-03	6.16E-03	6.77E-03	9.71E-03
4.61E+00	3.31E-07	8.83E-02	2.68E-03	2.29E-03	4.93E-03	5.96E-03	6.51E-03	1.23E-02
4.88E+00	3.20E-07	1.45E-01	2.82E-03	2.20E-03	4.76E-03	5.75E-03	6.27E-03	1.06E-02
5.17E+00	3.08E-07	2.45E-01	3.13E-03	2.12E-03	4.58E-03	5.51E-03	6.03E-03	9.01E-03
5.47E+00	2.97E-07	4.27E-01	3.78E-03	2.02E-03	4.37E-03	5.30E-03	5.79E-03	7.60E-03
5.57E+00	2.85E-07	6.50E-01	4.65E-03	1.93E-03	4.25E-03	5.09E-03	5.52E-03	6.46E-03
6.12E+00	2.73E-07	8.13E-01	5.30E-03	1.83E-03	4.06E-03	4.94E-03	5.27E-03	5.96E-03
6.48E+00	2.61E-07	8.37E-01	5.49E-03	1.74E-03	3.88E-03	4.66E-03	5.07E-03	7.20E-03
6.86E+00	2.49E-07	7.82E-01	5.46E-03	1.65E-03	3.64E-03	4.43E-03	4.86E-03	9.49E-03
7.26E+00	1.83E-07	7.28E-01	5.65E-03	1.55E-03	3.44E-03	4.21E-03	4.58E-03	1.30E-02
7.68E+00	1.15E-07	6.75E-01	5.82E-03	1.47E-03	3.25E-03	3.99E-03	4.33E-03	1.88E-02
8.13E+00	7.57E-08	6.22E-01	5.87E-03	1.37E-03	3.02E-03	3.79E-03	4.12E-03	2.82E-02
8.60E+00	5.30E-08	5.70E-01	5.88E-03	1.28E-03	2.84E-03	3.54E-03	3.86E-03	4.42E-02
9.10E+00	4.00E-08	5.97E-01	5.67E-03	1.19E-03	2.65E-03	3.32E-03	3.62E-03	7.17E-02
9.63E+00	3.24E-08	5.47E-01	5.33E-03	1.10E-03	2.46E-03	3.10E-03	3.37E-03	1.20E-01
1.00E+01	2.90E-08	5.14E-01	5.18E-03	1.03E-03	2.34E-03	2.96E-03	3.21E-03	1.76E-01
1.02E+01	2.77E-08	4.97E-01	5.14E-03	1.00E-03	2.26E-03	2.89E-03	3.15E-03	2.12E-01
1.08E+01	2.45E-08	4.50E-01	4.98E-03	9.15E-04	2.08E-03	2.67E-03	2.93E-03	2.81E-01
1.14E+01	2.20E-08	4.04E-01	4.80E-03	8.41E-04	1.92E-03	2.46E-03	2.69E-03	3.07E-01
1.21E+01	2.00E-08	3.67E-01	4.48E-03	7.68E-04	1.76E-03	2.25E-03	2.46E-03	2.78E-01
1.28E+01	1.81E-08	3.19E-01	3.99E-03	6.91E-04	1.60E-03	2.05E-03	2.25E-03	2.39E-01
1.35E+01	1.64E-08	2.80E-01	3.59E-03	6.28E-04	1.45E-03	1.86E-03	2.04E-03	2.03E-01
1.43E+01	1.48E-08	2.55E-01	3.31E-03	5.63E-04	1.29E-03	1.68E-03	1.84E-03	1.73E-01
1.51E+01	1.32E-08	2.62E-01	2.88E-03	4.99E-04	1.16E-03	1.50E-03	1.65E-03	1.41E-01
1.60E+01	1.18E-08	2.32E-01	2.43E-03	4.41E-04	1.03E-03	1.33E-03	1.47E-03	1.08E-01
1.70E+01	2.76E-09	2.04E-01	2.06E-03	3.89E-04	9.14E-04	1.18E-03	1.31E-03	8.24E-02
1.80E+01	5.23E-10	1.78E-01	1.64E-03	3.40E-04	8.09E-04	1.04E-03	1.15E-03	6.24E-02
1.90E+01	9.02E-11	1.54E-01	1.33E-03	2.91E-04	6.99E-04	8.98E-04	9.97E-04	4.52E-02

2.01E+01 1.40E-11 1.32E-01 1.03E-03 2.47E-04 6.09E-04 7.76E-04 8.60E-04 2.63E-02



2.13E+01 1.96E-12 1.12E-01 7.70E-04 2.06E-04 5.21E-04 6.65E-04 7.36E-04 1.18E-02

2.25E+01 2.43E-13 9.46E-02 5.68E-04 1.70E-04 4.28E-04 5.56E-04 6.19E-04 4.18E-03

2.38E+01 2.68E-14 7.89E-02 4.58E-04 1.39E-04 3.55E-04 4.43E-04 5.16E-04 5.36E-03

2.52E+01 2.60E-15 6.51E-02 3.74E-04 1.14E-04 2.95E-04 3.68E-04 4.28E-04 7.60E-03

2.67E+01 2.19E-16 5.31E-02 3.01E-04 9.13E-05 2.42E-04 3.03E-04 3.53E-04 8.92E-03

2.82E+01 1.61E-17 4.28E-02 2.43E-04 7.35E-05 1.96E-04 2.57E-04 2.90E-04 5.25E-03

2.99E+01 1.01E-18 3.40E-02 2.08E-04 5.71E-05 1.53E-04 2.06E-04 2.34E-04 2.21E-03

3.00E+01 8.28E-19 3.35E-02 2.07E-04 5.62E-05 1.50E-04 1.96E-04 2.28E-04 2.26E-03



3.16E+01 5.41E-20 2.84E-02 1.82E-04 4.29E-05 1.24E-04 1.58E-04 1.84E-04 2.57E-03

3.35E+01 2.44E-21 2.07E-02 1.38E-04 3.29E-05 9.53E-05 1.24E-04 1.43E-04 1.48E-03

3.54E+01 9.19E-23 1.58E-02 1.04E-04 2.45E-05 7.37E-05 9.77E-05 1.13E-04 7.71E-04

3.75E+01 2.86E-24 1.18E-02 7.67E-05 1.82E-05 5.52E-05 7.29E-05 8.48E-05 8.47E-04

3.97E+01 7.27E-26 8.75E-03 4.75E-05 1.29E-05 4.14E-05 5.35E-05 6.32E-05 1.29E-04

4.20E+01 1.49E-27 6.34E-03 3.32E-05 8.41E-06 2.94E-05 3.81E-05 4.56E-05 1.15E-04

4.44E+01 2.31E-29 4.51E-03 2.34E-05 5.77E-06 2.16E-05 2.76E-05 3.32E-05 1.04E-04

4.70E+01 0.00E+00 3.15E-03 1.76E-05 3.83E-06 1.52E-05 1.96E-05 2.32E-05 2.59E-05



4.97E+01 0.00E+00 2.15E-03 1.10E-05 2.51E-06 1.05E-05 1.37E-05 1.65E-05 2.14E-05

5.26E+01 0.00E+00 1.43E-03 6.30E-06 1.55E-06 6.97E-06 9.30E-06 1.11E-05 1.24E-05

5.57E+01 0.00E+00 9.34E-04 4.62E-06 9.98E-07 4.77E-06 6.19E-06 7.39E-06 8.82E-06

5.90E+01 0.00E+00 5.94E-04 3.14E-06 6.06E-07 3.07E-06 4.06E-06 4.89E-06 6.41E-06

6.24E+01 0.00E+00 3.67E-04 2.03E-06 3.55E-07 1.93E-06 2.59E-06 3.11E-06 4.68E-06

60E+01 0.00E+00 2.21E-04 1.38E-06 2.02E-07 1.20E-06 1.59E-06 1.95E-06 3.55E-06

99E+01 0.00E+00 1.86E-04 9.43E-07 1.15E-07 7.15E-07 9.44E-07 1.18E-06 1.59E-06

7.39E+01 0.00E+00 9.97E-05 5.55E-07 6.22E-08 4.12E-07 5.50E-07 6.88E-07 9.32E-07



7.82E+01 0.00E+00 5.09E-05 3.33E-07 3.27E-08 2.37E-07 3.20E-07 3.97E-07 5.52E-07

8.28E+01 0.00E+00 2.45E-05 1.85E-07 1.65E-08 1.29E-07 1.77E-07 2.18E-07 3.03E-07

8.76E+01 0.00E+00 1.07E-05 8.85E-08 8.14E-09 6.75E-08 9.36E-08 1.16E-07 1.60E-07

9.27E+01 0.00E+00 5.06E-06 4.00E-08 3.90E-09 3.45E-08 4.77E-08 5.91E-08 8.17E-08

9.81E+01 0.00E+00 2.33E-06 1.73E-08 1.71E-09 1.69E-08 2.34E-08 2.89E-08 4.02E-08

1.00E+02 0.00E+00 1.78E-06 1.29E-08 1.30E-09 1.32E-08 1.82E-08 2.26E-08 3.14E-08

1.04E+02 0.00E+00 1.26E-06 7.69E-09 7.28E-10 7.96E-09 1.08E-08 1.33E-08 1.86E-08

1.10E+02 0.00E+00 4.25E-07 2.11E-09 3.02E-10 3.60E-09 4.75E-09 6.03E-09 7.32E-09



1.16E+02 0.00E+00 1.67E-07 8.66E-10 1.29E-10 1.55E-09 2.07E-09 2.56E-09 3.15E-09

1.23E+02 0.00E+00 6.18E-08 3.42E-10 5.18E-11 6.39E-10 8.81E-10 1.07E-09 1.29E-09

1.30E+02 0.00E+00 2.13E-08 1.29E-10 1.93E-11 2.65E-10 3.46E-10 4.27E-10 6.16E-10

1.38E+02 0.00E+00 6.81E-09 4.72E-11 6.56E-12 1.04E-10 1.30E-10 1.72E-10 2.44E-10

1.46E+02 0.00E+00 1.98E-09 1.63E-11 2.22E-12 3.71E-11 5.20E-11 6.60E-11 1.04E-10

1.54E+02 0.00E+00 5.11E-10 5.45E-12 7.43E-13 1.26E-11 1.85E-11 2.82E-11 3.76E-11

1.63E+02 0.00E+00 1.10E-10 1.80E-12 2.04E-13 4.35E-12 6.01E-12 1.08E-11 2.47E-11

1.73E+02 0.00E+00 2.25E-11 5.89E-13 5.83E-14 1.33E-12 2.39E-12 4.29E-12 1.17E-11



1.83E+02 0.00E+00 1.09E-11 1.93E-13 1.49E-14 3.71E-13 6.50E-13 1.48E-12 3.52E-12

1.94E+02 0.00E+00 5.06E-12 6.76E-14 3.44E-15 9.42E-14 2.06E-13 5.66E-13 1.53E-12

2.05E+02 0.00E+00 1.62E-12 2.28E-14 7.62E-16 2.31E-14 7.42E-14 2.16E-13 6.35E-13

2.17E+02 0.00E+00 4.22E-13 7.33E-15 1.52E-16 4.81E-15 2.26E-14 7.90E-14 2.47E-13

2.29E+02 0.00E+00 8.99E-14 1.92E-15 2.76E-17 1.05E-15 5.95E-15 2.75E-14 5.52E-14

2.43E+02 0.00E+00 2.77E-14 4.21E-16 3.98E-18 1.90E-16 1.27E-15 6.34E-15 1.18E-14

2.57E+02 0.00E+00 4.29E-15 7.40E-17 5.25E-19 3.01E-17 2.15E-16 1.23E-15 2.04E-15

2.72E+02 0.00E+00 5.97E-16 1.02E-17 6.55E-20 4.79E-18 3.53E-17 1.03E-16 3.89E-16



2.88E+02 0.00E+00 7.41E-17 1.01E-18 7.42E-21 5.11E-19 1.64E-18 1.42E-17 2.47E-17

3.00E+02 0.00E+00 1.47E-17 2.26E-19 1.21E-21 1.02E-19 4.30E-19 3.37E-18 6.91E-18

3.05E+02 0.00E+00 8.13E-18 1.33E-19 6.48E-22 5.88E-20 2.74E-19 1.86E-18 4.57E-18

3.22E+02 0.00E+00 7.85E-19 1.32E-20 5.78E-23 6.73E-21 3.91E-20 1.65E-19 5.27E-19

3.41E+02 0.00E+00 6.70E-20 1.11E-21 4.37E-24 4.92E-22 3.56E-21 1.21E-20 4.36E-20

3.61E+02 0.00E+00 4.91E-21 8.20E-23 3.02E-25 4.23E-23 3.13E-22 9.19E-22 2.57E-21

3.82E+02 0.00E+00 3.09E-22 5.91E-24 1.54E-26 2.58E-24 2.61E-23 6.57E-23 1.91E-22

4.04E+02 0.00E+00 1.65E-23 3.74E-25 6.91E-28 1.45E-25 2.03E-24 5.19E-24 1.24E-23



4.28E+02 0.00E+00 7.47E-25 1.63E-26 1.07E-29 6.76E-27 7.94E-26 2.27E-25 5.82E-25

4.53E+02 0.00E+00 2.82E-26 5.37E-28 0.00E+00 1.86E-28 1.99E-27 6.12E-27 1.72E-26

4.79E+02 0.00E+00 8.76E-28 1.49E-29 0.00E+00 5.03E-30 5.02E-29 1.43E-28 5.76E-28

5.07E+02 0.00E+00 2.22E-29 3.55E-31 0.00E+00 0.00E+00 1.23E-30 4.99E-30 1.65E-29

5.36E+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

5.68E+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

0.01E+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

6.36E+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



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

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

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

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 0.00E+00

8.44E+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 0.00E+00

9.93E+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 0.00E+00

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

1.00E+03 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 CO-60.RAD

Summary of dose at graphical times, reptition 3

Time Years	Dose statistics at graphical times, mrem/yr							
	Minimum	Maximum	Mean	Median	90%	95%	97.5%	99%
0.00E+00	4.48E-06	4.89E-02	5.22E-03	4.93E-03	9.74E-03	1.08E-02	1.20E-02	1.31E-02
1.00E+00	3.93E-06	2.79E-02	4.13E-03	4.00E-03	8.13E-03	9.26E-03	1.02E-02	1.09E-02
1.06E+00	3.90E-06	2.80E-02	4.08E-03	3.95E-03	8.05E-03	9.18E-03	1.02E-02	1.08E-02
1.12E+00	3.87E-06	2.81E-02	4.04E-03	3.92E-03	7.98E-03	9.11E-03	1.02E-02	1.07E-02
1.19E+00	3.84E-06	2.82E-02	3.99E-03	3.86E-03	7.88E-03	9.11E-03	1.01E-02	1.06E-02
1.25E+00	3.80E-06	2.83E-02	3.95E-03	3.82E-03	7.79E-03	9.02E-03	9.99E-03	1.05E-02
1.33E+00	3.77E-06	2.84E-02	3.90E-03	3.76E-03	7.71E-03	8.94E-03	9.90E-03	1.04E-02
1.40E+00	3.12E-06	2.84E-02	3.85E-03	3.69E-03	7.63E-03	8.85E-03	9.79E-03	1.05E-02
1.49E+00	2.04E-06	2.84E-02	3.80E-03	3.64E-03	7.51E-03	8.75E-03	9.71E-03	1.06E-02
1.57E+00	1.32E-06	2.84E-02	3.75E-03	3.60E-03	7.42E-03	8.70E-03	9.66E-03	1.06E-02
1.66E+00	8.62E-07	2.84E-02	3.70E-03	3.55E-03	7.32E-03	8.55E-03	9.54E-03	1.07E-02
1.76E+00	5.76E-07	2.84E-02	3.64E-03	3.49E-03	7.19E-03	8.43E-03	9.42E-03	1.08E-02
1.86E+00	4.02E-07	2.83E-02	3.59E-03	3.42E-03	7.15E-03	8.29E-03	9.30E-03	1.09E-02
1.97E+00	3.00E-07	2.82E-02	3.52E-03	3.37E-03	7.08E-03	8.20E-03	9.21E-03	1.09E-02
2.09E+00	2.41E-07	2.80E-02	3.46E-03	3.32E-03	6.97E-03	8.08E-03	9.07E-03	1.10E-02
2.21E+00	2.08E-07	2.78E-02	3.40E-03	3.25E-03	6.86E-03	7.95E-03	8.92E-03	1.14E-02
2.24E+00	1.89E-07	2.76E-02	3.33E-03	3.16E-03	6.73E-03	7.81E-03	8.76E-03	1.12E-02
2.47E+00	1.78E-07	2.74E-02	3.26E-03	3.09E-03	6.60E-03	7.67E-03	8.58E-03	1.12E-02
2.62E+00	1.71E-07	2.71E-02	3.18E-03	3.01E-03	6.47E-03	7.53E-03	8.40E-03	1.12E-02
2.77E+00	1.66E-07	2.67E-02	3.11E-03	2.92E-03	6.33E-03	7.37E-03	8.22E-03	1.06E-02
2.93E+00	1.62E-07	2.64E-02	3.03E-03	2.85E-03	6.18E-03	7.17E-03	8.03E-03	1.04E-02
3.00E+00	1.60E-07	2.62E-02	3.00E-03	2.83E-03	6.12E-03	7.10E-03	7.96E-03	1.04E-02
3.10E+00	1.58E-07	2.59E-02	2.95E-03	2.79E-03	6.04E-03	7.04E-03	7.84E-03	1.03E-02
3.28E+00	1.54E-07	2.55E-02	2.87E-03	2.72E-03	5.87E-03	6.86E-03	7.65E-03	1.01E-02
3.48E+00	1.50E-07	2.50E-02	2.80E-03	2.64E-03	5.72E-03	6.82E-03	7.44E-03	9.92E-03
3.68E+00	1.47E-07	2.45E-02	2.73E-03	2.56E-03	5.57E-03	6.54E-03	7.25E-03	9.78E-03
3.89E+00	1.43E-07	3.14E-02	2.66E-03	2.49E-03	5.41E-03	6.35E-03	7.02E-03	1.01E-02
4.12E+00	1.39E-07	4.34E-02	2.60E-03	2.41E-03	5.20E-03	6.16E-03	6.81E-03	1.07E-02
4.36E+00	1.35E-07	6.33E-02	2.57E-03	2.33E-03	5.03E-03	5.97E-03	6.59E-03	1.03E-02
4.61E+00	1.31E-07	9.73E-02	2.56E-03	2.24E-03	4.86E-03	5.77E-03	6.38E-03	9.74E-03
4.88E+00	1.26E-07	1.57E-01	2.63E-03	2.15E-03	4.69E-03	5.61E-03	6.15E-03	9.87E-03
5.17E+00	1.21E-07	2.63E-01	2.80E-03	2.06E-03	4.52E-03	5.37E-03	5.92E-03	1.03E-02
5.47E+00	1.15E-07	3.98E-01	3.08E-03	1.97E-03	4.32E-03	5.15E-03	5.68E-03	1.11E-02
5.78E+00	1.11E-07	4.96E-01	3.34E-03	1.88E-03	4.17E-03	4.94E-03	5.47E-03	1.23E-02
6.12E+00	1.06E-07	5.18E-01	3.59E-03	1.79E-03	3.98E-03	4.72E-03	5.22E-03	1.44E-02
6.48E+00	1.01E-07	4.76E-01	3.87E-03	1.71E-03	3.81E-03	4.50E-03	4.97E-03	1.14E-02
6.86E+00	9.62E-08	4.76E-01	4.20E-03	1.62E-03	3.59E-03	4.28E-03	4.79E-03	8.22E-03
7.26E+00	9.14E-08	4.95E-01	4.33E-03	1.54E-03	3.41E-03	4.06E-03	4.54E-03	6.39E-03
7.68E+00	8.65E-08	5.37E-01	4.20E-03	1.45E-03	3.20E-03	3.90E-03	4.24E-03	8.40E-03
8.13E+00	4.76E-08	4.69E-01	3.90E-03	1.36E-03	3.00E-03	3.67E-03	4.04E-03	1.16E-02
8.60E+00	2.48E-08	3.99E-01	3.65E-03	1.27E-03	2.85E-03	3.45E-03	3.88E-03	1.68E-02
9.10E+00	1.29E-08	3.35E-01	3.49E-03	1.18E-03	2.65E-03	3.23E-03	3.63E-03	2.54E-02
9.63E+00	6.87E-09	3.87E-01	3.52E-03	1.09E-03	2.49E-03	2.97E-03	3.39E-03	3.98E-02
1.00E+01	4.66E-09	4.81E-01	3.52E-03	1.03E-03	2.32E-03	2.82E-03	3.23E-03	5.49E-02
1.02E+01	3.90E-09	5.07E-01	3.49E-03	1.00E-03	2.26E-03	2.75E-03	3.13E-03	6.48E-02
1.08E+01	2.47E-09	4.85E-01	3.25E-03	9.19E-04	2.07E-03	2.54E-03	2.85E-03	1.10E-01
1.14E+01	1.78E-09	4.46E-01	3.02E-03	8.42E-04	1.92E-03	2.33E-03	2.62E-03	8.32E-02
1.21E+01	1.43E-09	4.09E-01	2.70E-03	7.63E-04	1.76E-03	2.15E-03	2.41E-03	6.84E-02
1.28E+01	1.22E-09	3.72E-01	2.47E-03	6.91E-04	1.59E-03	1.91E-03	2.19E-03	1.05E-01
1.35E+01	1.08E-09	3.37E-01	2.41E-03	6.20E-04	1.45E-03	1.76E-03	1.99E-03	8.83E-02
1.43E+01	9.65E-10	3.04E-01	2.26E-03	5.58E-04	1.31E-03	1.57E-03	1.83E-03	7.32E-02
1.51E+01	8.62E-10	2.72E-01	2.04E-03	4.94E-04	1.16E-03	1.39E-03	1.64E-03	6.52E-02
1.60E+01	7.67E-10	2.42E-01	1.89E-03	4.34E-04	1.02E-03	1.23E-03	1.46E-03	5.43E-02
1.70E+01	6.79E-10	2.14E-01	1.82E-03	3.79E-04	9.01E-04	1.09E-03	1.29E-03	4.19E-02
1.80E+01	5.98E-10	1.87E-01	1.62E-03	3.27E-04	7.89E-04	9.66E-04	1.16E-03	3.14E-02
1.90E+01	5.22E-10	1.63E-01	1.41E-03	2.82E-04	6.82E-04	8.41E-04	1.01E-03	3.57E-02

2.01E+01 2.19E-12 1.41E-01 1.25E-03 2.40E-04 5.81E-04 7.22E-04 8.76E-04 3.91E-02

2.13E+01 1.83E-15 1.20E-01 1.15E-03 2.02E-04 4.96E-04 6.13E-04 7.51E-04 3.11E-02

2.25E+01 1.02E-18 1.02E-01 9.86E-04 1.66E-04 4.13E-04 5.14E-04 6.38E-04 2.44E-02

2.38E+01 3.64E-22 8.58E-02 8.16E-04 1.36E-04 3.49E-04 4.30E-04 5.37E-04 1.89E-02

2.52E+01 8.20E-26 7.13E-02 6.71E-04 1.10E-04 2.88E-04 3.58E-04 4.47E-04 1.45E-02



2.67E+01 1.04E-29 5.87E-02 5.51E-04 8.67E-05 2.36E-04 3.00E-04 3.75E-04 1.09E-02

2.82E+01 0.00E+00 4.77E-02 4.55E-04 6.75E-05 1.90E-04 2.47E-04 3.08E-04 1.31E-02

2.99E+01 0.00E+00 3.84E-02 3.82E-04 5.19E-05 1.51E-04 1.97E-04 2.68E-04 2.03E-02

3.00E+01 0.00E+00 3.78E-02 3.78E-04 5.10E-05 1.48E-04 1.94E-04 2.61E-04 2.11E-02

3.16E+01 0.00E+00 3.04E-02 3.19E-04 4.05E-05 1.19E-04 1.57E-04 1.97E-04 1.74E-02

3.35E+01 0.00E+00 2.38E-02 2.48E-04 3.01E-05 9.67E-05 1.20E-04 1.55E-04 1.32E-02

3.54E+01 0.00E+00 1.84E-02 1.91E-04 2.17E-05 7.45E-05 9.52E-05 1.25E-04 9.86E-03

3.75E+01 0.00E+00 1.40E-02 1.46E-04 1.58E-05 5.70E-05 7.32E-05 9.23E-05 7.23E-03



3.97E+01 0.00E+00 1.05E-02 1.10E-04 1.12E-05 4.14E-05 5.49E-05 7.19E-05 5.22E-03

4.20E+01 0.00E+00 7.70E-03 8.42E-05 7.65E-06 3.11E-05 4.04E-05 5.55E-05 3.71E-03

4.44E+01 0.00E+00 5.56E-03 6.34E-05 5.26E-06 2.21E-05 2.93E-05 4.17E-05 2.58E-03

4.70E+01 0.00E+00 3.94E-03 4.43E-05 3.54E-06 1.61E-05 2.08E-05 3.28E-05 1.75E-03

4.97E+01 0.00E+00 2.74E-03 3.09E-05 2.33E-06 1.13E-05 1.47E-05 2.64E-05 1.21E-03

5.26E+01 0.00E+00 1.87E-03 2.21E-05 1.51E-06 7.78E-06 1.00E-05 2.05E-05 1.36E-03

5.57E+01 0.00E+00 1.24E-03 1.22E-05 9.12E-07 5.15E-06 6.62E-06 8.72E-06 4.74E-04

5.90E+01 0.00E+00 8.06E-04 7.94E-06 5.46E-07 3.34E-06 4.32E-06 5.68E-06 2.91E-04



6.24E+01 0.00E+00 5.11E-04 4.87E-06 3.32E-07 2.14E-06 2.75E-06 3.60E-06 1.74E-04

60E+01 0.00E+00 3.15E-04 2.91E-06 1.91E-07 1.35E-06 1.71E-06 2.23E-06 1.01E-04

99E+01 0.00E+00 1.89E-04 1.74E-06 1.09E-07 7.65E-07 1.03E-06 1.35E-06 5.69E-05

7.39E+01 0.00E+00 1.10E-04 1.03E-06 6.09E-08 4.46E-07 5.92E-07 7.82E-07 4.34E-05

7.82E+01 0.00E+00 6.21E-05 6.29E-07 3.22E-08 2.52E-07 3.43E-07 4.50E-07 3.88E-05

8.28E+01 0.00E+00 3.47E-05 3.54E-07 1.59E-08 1.40E-07 1.89E-07 2.42E-07 2.06E-05

8.76E+01 0.00E+00 1.81E-05 1.85E-07 7.79E-09 7.32E-08 9.97E-08 1.28E-07 1.05E-05

9.27E+01 0.00E+00 9.06E-06 9.35E-08 3.74E-09 3.73E-08 5.11E-08 6.76E-08 5.19E-06



9.81E+01 0.00E+00 4.42E-06 4.58E-08 1.66E-09 1.93E-08 2.50E-08 3.41E-08 2.45E-06

1.00E+02 0.00E+00 3.45E-06 3.53E-08 1.34E-09 1.51E-08 1.95E-08 2.66E-08 1.89E-06

1.04E+02 0.00E+00 2.07E-06 2.06E-08 7.63E-10 9.18E-09 1.20E-08 1.60E-08 1.11E-06

1.10E+02 0.00E+00 9.26E-07 9.08E-09 3.45E-10 4.16E-09 5.62E-09 7.56E-09 4.79E-07

1.16E+02 0.00E+00 3.95E-07 3.86E-09 1.48E-10 1.93E-09 2.46E-09 3.48E-09 1.97E-07

1.23E+02 0.00E+00 1.61E-07 1.57E-09 5.51E-11 8.06E-10 1.12E-09 1.46E-09 7.69E-08

1.30E+02 0.00E+00 6.20E-08 6.14E-10 2.03E-11 3.15E-10 4.48E-10 6.25E-10 2.85E-08

1.38E+02 0.00E+00 2.26E-08 2.34E-10 7.19E-12 1.16E-10 1.74E-10 2.43E-10 1.07E-08



1.46E+02 0.00E+00 7.78E-09 8.14E-11 2.32E-12 4.18E-11 6.09E-11 1.01E-10 3.96E-09

1.54E+02 0.00E+00 2.51E-09 2.54E-11 7.18E-13 1.45E-11 2.05E-11 4.22E-11 1.01E-09

1.63E+02 0.00E+00 7.61E-10 7.35E-12 1.90E-13 4.52E-12 6.87E-12 1.78E-11 2.88E-10

1.73E+02 0.00E+00 2.15E-10 2.16E-12 4.99E-14 1.27E-12 2.49E-12 7.95E-12 7.73E-11

1.83E+02 0.00E+00 5.64E-11 6.24E-13 1.24E-14 3.75E-13 9.45E-13 2.36E-12 3.18E-11

1.94E+02 0.00E+00 1.37E-11 1.50E-13 2.94E-15 1.06E-13 3.05E-13 7.85E-13 4.34E-12

2.05E+02 0.00E+00 3.05E-12 3.81E-14 6.07E-16 2.78E-14 8.61E-14 2.79E-13 1.27E-12

2.17E+02 0.00E+00 6.25E-13 1.03E-14 1.25E-16 6.72E-15 2.44E-14 1.04E-13 3.62E-13



2.29E+02 0.00E+00 1.25E-13 2.41E-15 2.22E-17 1.29E-15 5.81E-15 2.84E-14 8.67E-14

2.43E+02 0.00E+00 2.53E-14 4.70E-16 3.59E-18 2.63E-16 1.78E-15 6.16E-15 1.26E-14

2.57E+02 0.00E+00 3.99E-15 8.04E-17 5.13E-19 3.59E-17 2.30E-16 1.26E-15 2.25E-15

2.72E+02 0.00E+00 5.45E-16 1.14E-17 6.28E-20 5.19E-18 4.53E-17 1.62E-16 3.54E-16

2.88E+02 0.00E+00 6.17E-17 1.19E-18 6.26E-21 6.15E-19 6.49E-18 1.39E-17 3.20E-17

3.00E+02 0.00E+00 1.19E-17 2.62E-19 1.14E-21 1.22E-19 9.89E-19 3.86E-18 7.47E-18

3.05E+02 0.00E+00 8.04E-18 1.56E-19 6.05E-22 6.74E-20 5.97E-19 2.30E-18 4.27E-18

3.22E+02 0.00E+00 7.79E-19 1.77E-20 4.62E-23 8.05E-21 8.73E-20 2.47E-19 5.05E-19



3.41E+02 0.00E+00 6.59E-20 1.53E-21 3.22E-24 6.41E-22 5.63E-21 2.71E-20 4.10E-20

3.61E+02 0.00E+00 4.83E-21 1.16E-22 2.34E-25 4.15E-23 4.00E-22 2.06E-21 3.34E-21

3.82E+02 0.00E+00 3.04E-22 6.22E-24 1.25E-26 2.77E-24 1.94E-23 8.78E-23 1.89E-22

4.04E+02 0.00E+00 1.62E-23 2.66E-25 5.94E-28 1.53E-25 1.16E-24 3.35E-24 7.98E-24

4.28E+02 0.00E+00 7.33E-25 1.34E-26 1.08E-29 7.73E-27 5.98E-26 2.07E-25 3.89E-25

4.53E+02 0.00E+00 2.76E-26 5.85E-28 0.00E+00 3.37E-28 3.44E-27 8.80E-27 1.51E-26

4.79E+02 0.00E+00 8.59E-28 1.55E-29 0.00E+00 8.10E-30 5.18E-29 2.36E-28 4.35E-28

5.07E+02 0.00E+00 2.17E-29 3.85E-31 0.00E+00 0.00E+00 1.66E-30 7.37E-30 1.09E-29



5.36E+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

5.68E+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

0.01E+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

6.36E+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

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

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

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 0.00E+00

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 0.00E+00



8.44E+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 0.00E+00

9.93E+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 0.00E+00

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

1.00E+03 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 CO-60.RAD

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

Repetition	Time of peak mean dose		Peak mean dose mrem/yr
	Years		
1	0.000E+00		5.128E-03
2	8.599E+00		5.875E-03
3	0.000E+00		5.220E-03

Title : RESRAD Default Parameters  
 Input File : FCS BURIED PIPE INSITU UA CO-60.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	8 0.02	8 0.01	8 -0.04	8 -0.04
Contaminated zone b parameter	17 0.00	17 0.00	18 0.01	18 0.01
Evapotranspiration coefficient	13 0.01	13 0.00	9 0.03	9 0.03
Wind Speed	5 0.04	5 0.01	6 0.05	6 0.05
Runoff coefficient	14 -0.01	14 0.00	14 0.01	14 0.01
b Parameter of Unsaturated zone 1	2 -0.11	2 -0.04	4 -0.06	4 -0.06
Mass loading for inhalation	6 0.04	6 0.01	15 0.01	15 0.01
Indoor dust filtration factor	18 0.00	18 0.00	13 -0.01	13 -0.01
Depth of soil mixing layer	16 0.01	16 0.00	11 -0.02	11 -0.02
Depth of roots	10 -0.02	10 -0.01	2 0.07	2 0.07
Wet weight crop yield of fruit, grain and non-leafy vegetables	11 -0.01	11 0.00	10 -0.03	10 -0.03
Weathering removal constant of all vegetation	7 -0.03	7 -0.01	16 -0.01	16 -0.01
Wet foliar interception fraction of leafy vegetables	3 0.08	3 0.03	5 -0.06	5 -0.05
Humidity in air	9 0.02	9 0.01	17 -0.01	17 -0.01
Cover erosion rate	1 0.93	1 0.93	3 0.06	3 0.06
Kd of Co-60 in Contaminated Zone	12 -0.01	12 0.00	7 -0.04	7 -0.04
Kd of Co-60 in Saturated Zone	15 0.01	15 0.00	12 0.01	12 0.01
Well pump intake depth	4 -0.04	4 -0.02	1 -0.11	1 -0.11
R-SQUARE	0.87	0.87	0.04	0.04

-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 CO-60.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	18	0.00	18	0.00	9	-0.05	9	-0.05
Contaminated zone b parameter	11	-0.01	11	0.00	17	0.01	17	0.01
Evapotranspiration coefficient	8	0.03	8	0.01	15	0.02	15	0.02
Wind Speed	7	-0.03	7	-0.01	14	0.02	14	0.02
Runoff coefficient	4	-0.06	4	-0.02	13	0.03	13	0.03
b Parameter of Unsaturated zone 1	3	-0.06	3	-0.02	7	0.06	7	0.06
Mass loading for inhalation	10	-0.02	10	-0.01	16	-0.02	16	-0.02
Indoor dust filtration factor	17	0.00	17	0.00	6	-0.06	6	-0.06
Depth of soil mixing layer	5	0.05	5	0.02	3	0.11	2	0.10
Depth of roots	6	0.04	6	0.01	4	0.08	4	0.08
Wet weight crop yield of fruit, grain and non-leafy vegetables	14	-0.01	14	0.00	10	-0.04	10	-0.04
Weathering removal constant of all vegetation	16	0.00	16	0.00	11	-0.04	11	-0.04
Wet foliar interception fraction of leafy vegetables	13	-0.01	13	0.00	5	0.08	5	0.07
Humidity in air	2	0.07	2	0.02	18	0.00	18	0.00
Cover erosion rate	1	0.94	1	0.94	1	0.11	1	0.11
Kd of Co-60 in Contaminated Zone	12	0.01	12	0.00	12	-0.03	12	-0.03
Kd of Co-60 in Saturated Zone	15	0.00	15	0.00	8	-0.06	8	-0.06
Well pump intake depth	9	-0.02	9	-0.01	2	-0.11	3	-0.10

R-SQUARE 0.88 0.88 0.06 0.06

-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 CO-60.RAD

Coefficients for peak All Pathways Dose

Coefficient =	PCC	SRC	PRCC	SRRC
Repetition =	3	3	3	3

Description of Probabilistic Variable

	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Contaminated zone erosion rate	14	0.01	14	0.00	5	-0.04	6	-0.04
Contaminated zone b parameter	2	-0.11	2	-0.05	9	-0.03	9	-0.03
Evapotranspiration coefficient	5	0.06	5	0.03	2	0.07	2	0.07
Wind Speed	3	-0.08	3	-0.04	12	0.03	12	0.02
Runoff coefficient	10	0.04	10	0.02	7	-0.04	7	-0.03
b Parameter of Unsaturated zone 1	11	-0.03	11	-0.02	10	0.03	10	0.03
Mass loading for inhalation	18	0.00	18	0.00	15	-0.01	15	-0.01
Indoor dust filtration factor	6	0.05	6	0.03	16	0.01	16	0.01
Depth of soil mixing layer	13	-0.02	13	-0.01	18	0.00	18	0.00
Depth of roots	9	-0.04	9	-0.02	3	0.06	3	0.06
Wet weight crop yield of fruit, grain and non-leafy vegetables	16	0.01	16	0.00	14	0.02	14	0.02
Weathering removal constant of all vegetation	12	0.03	12	0.02	4	0.04	4	0.04
Wet foliar interception fraction of leafy vegetables	8	-0.04	8	-0.02	13	-0.02	13	-0.02
Humidity in air	4	-0.07	4	-0.03	17	0.01	17	0.01
Cover erosion rate	1	0.88	1	0.87	8	0.03	8	0.03
Kd of Co-60 in Contaminated Zone	15	-0.01	15	0.00	1	-0.14	1	-0.14
Kd of Co-60 in Saturated Zone	17	0.01	17	0.00	11	-0.03	11	-0.03
Well pump intake depth	7	0.05	7	0.03	6	-0.04	5	-0.04
R-SQUARE		0.78		0.78		0.04		0.04

-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.