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Probabilistic Input

Number of Sample Runs: 900

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	8.13	2.64																		
17	DCACTS(1)	LOGNORMAL-N	8.13	2.64																		
18	DWIBWT	CONTINUOUS LINEAR	6	5																0	24	.29

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
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Cm-244										
Min	0.00E+00	9.69E-04	1.61E-05	4.25E-05	9.23E-05	2.39E-04	4.64E-04	4.44E-06	4.33E-06	4.02E-06
Max	1.00E+03	1.38E+02	1.38E+02	1.30E+02	1.17E+02	7.92E+01	2.61E+01	7.32E-01	1.36E-02	1.02E-02
Avg	2.24E+01	1.40E+00	1.39E+00	1.33E+00	1.21E+00	8.74E-01	3.56E-01	2.19E-02	3.53E-03	3.33E-03
Std	1.29E+02	7.24E+00	7.24E+00	6.84E+00	6.11E+00	4.18E+00	1.48E+00	5.25E-02	1.87E-03	1.68E-03
ALL										
Min	0.00E+00	9.69E-04	1.61E-05	4.25E-05	9.23E-05	2.39E-04	4.64E-04	4.44E-06	4.33E-06	4.02E-06
Max	1.00E+03	1.38E+02	1.38E+02	1.30E+02	1.17E+02	7.92E+01	2.61E+01	7.32E-01	1.36E-02	1.02E-02
Avg	2.24E+01	1.40E+00	1.39E+00	1.33E+00	1.21E+00	8.74E-01	3.56E-01	2.19E-02	3.53E-03	3.33E-03
Std	1.29E+02	7.24E+00	7.24E+00	6.84E+00	6.11E+00	4.18E+00	1.48E+00	5.25E-02	1.87E-03	1.68E-03
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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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Cm-244									
Min		3.42E-12	3.47E-11	9.39E-11	2.69E-10	5.42E-10	5.29E-12	5.16E-12	4.79E-12
Max		1.77E-04	1.67E-04	1.50E-04	1.02E-04	3.36E-05	9.72E-07	1.73E-08	1.25E-08
Avg		1.88E-06	1.79E-06	1.63E-06	1.18E-06	4.86E-07	3.00E-08	4.58E-09	4.39E-09
Std		9.44E-06	8.92E-06	7.97E-06	5.44E-06	1.92E-06	6.84E-08	2.30E-09	2.05E-09
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ALL									
Min		3.42E-12	3.47E-11	9.39E-11	2.69E-10	5.42E-10	5.29E-12	5.16E-12	4.79E-12
Max		1.77E-04	1.67E-04	1.50E-04	1.02E-04	3.36E-05	9.72E-07	1.73E-08	1.25E-08
Avg		1.88E-06	1.79E-06	1.63E-06	1.18E-06	4.86E-07	3.00E-08	4.58E-09	4.39E-09
Std		9.44E-06	8.92E-06	7.97E-06	5.44E-06	1.92E-06	6.84E-08	2.30E-09	2.05E-09
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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
Cm-244									
Min		2.63E-25	7.69E-25	1.70E-24	4.56E-24	3.05E-23	0.00E+00	0.00E+00	0.00E+00
Max		2.69E-23	2.11E-20	5.56E-15	4.08E-05	1.91E-05	1.49E-06	1.84E-07	1.60E-07
Avg		3.97E-25	5.32E-23	9.23E-18	3.32E-07	4.33E-07	5.06E-08	2.92E-08	8.86E-08
Std		1.25E-24	8.65E-22	1.96E-16	3.55E-06	2.81E-06	2.66E-07	6.57E-08	7.33E-08
ALL									
Min		2.63E-25	7.69E-25	1.70E-24	4.56E-24	3.05E-23	0.00E+00	0.00E+00	0.00E+00
Max		2.69E-23	2.11E-20	5.56E-15	4.08E-05	1.91E-05	1.49E-06	1.84E-07	1.60E-07
Avg		3.97E-25	5.32E-23	9.23E-18	3.32E-07	4.33E-07	5.06E-08	2.92E-08	8.86E-08
Std		1.25E-24	8.65E-22	1.96E-16	3.55E-06	2.81E-06	2.66E-07	6.57E-08	7.33E-08

ALL is total pathway dose summed for all nuclides.

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

Nuclide		DOSE(i,j,t), mrem/yr							
(j)	t=	0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
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Cm-244									
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	2.65E-03	1.61E-03	1.15E-04	3.87E-05	4.27E-05
Avg		0.00E+00	0.00E+00	0.00E+00	2.00E-05	2.09E-05	2.32E-06	2.66E-06	6.78E-06
Std		0.00E+00	0.00E+00	0.00E+00	1.91E-04	1.41E-04	1.28E-05	5.87E-06	7.07E-06
ΣALL									
Min		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		0.00E+00	0.00E+00	0.00E+00	2.65E-03	1.61E-03	1.15E-04	3.87E-05	4.27E-05
Avg		0.00E+00	0.00E+00	0.00E+00	2.00E-05	2.09E-05	2.32E-06	2.66E-06	6.78E-06
Std		0.00E+00	0.00E+00	0.00E+00	1.91E-04	1.41E-04	1.28E-05	5.87E-06	7.07E-06
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ΣALL is total pathway dose summed for all nuclides.

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

Nuclide		DOSE(i,j,t), mrem/yr							
(j)	t=	0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
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Cm-244									
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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Cm-244									
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		3.52E-01	3.59E-01	3.75E-01	3.31E-01	1.56E-01	1.29E-02	2.28E-03	1.98E-03
Avg		1.94E-01	1.87E-01	1.75E-01	1.38E-01	6.69E-02	6.08E-03	1.43E-03	1.45E-03
Std		1.30E-01	1.25E-01	1.16E-01	9.08E-02	4.36E-02	3.69E-03	7.00E-04	5.73E-04
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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		3.52E-01	3.59E-01	3.75E-01	3.31E-01	1.56E-01	1.29E-02	2.28E-03	1.98E-03
Avg		1.94E-01	1.87E-01	1.75E-01	1.38E-01	6.69E-02	6.08E-03	1.43E-03	1.45E-03
Std		1.30E-01	1.25E-01	1.16E-01	9.08E-02	4.36E-02	3.69E-03	7.00E-04	5.73E-04
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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
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CM-244									
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		1.58E-04	1.60E-04	1.68E-04	2.26E-03	1.08E-03	1.16E-04	4.32E-05	3.77E-05
Avg		8.73E-05	8.44E-05	7.88E-05	8.39E-05	5.41E-05	7.57E-06	9.78E-06	2.27E-05
Std		5.84E-05	5.63E-05	5.23E-05	2.14E-04	1.56E-04	2.06E-05	1.56E-05	1.58E-05
ΣALL									
Min		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		1.58E-04	1.60E-04	1.68E-04	2.26E-03	1.08E-03	1.16E-04	4.32E-05	3.77E-05
Avg		8.73E-05	8.44E-05	7.88E-05	8.39E-05	5.41E-05	7.57E-06	9.78E-06	2.27E-05
Std		5.84E-05	5.63E-05	5.23E-05	2.14E-04	1.56E-04	2.06E-05	1.56E-05	1.58E-05
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ΣALL is total pathway dose summed for all nuclides.

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

Nuclide		DOSE(i,j,t), mrem/yr							
(j)	t=	0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
Cm-244									
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		1.23E-04	1.25E-04	1.31E-04	8.16E-04	3.81E-04	2.81E-05	2.06E-06	1.79E-06
Avg		6.79E-05	6.56E-05	6.11E-05	5.54E-05	3.09E-05	2.76E-06	5.34E-07	1.10E-06
Std		4.54E-05	4.37E-05	4.06E-05	8.03E-05	5.48E-05	4.91E-06	7.16E-07	7.19E-07
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		1.23E-04	1.25E-04	1.31E-04	8.16E-04	3.81E-04	2.81E-05	2.06E-06	1.79E-06
Avg		6.79E-05	6.56E-05	6.11E-05	5.54E-05	3.09E-05	2.76E-06	5.34E-07	1.10E-06
Std		4.54E-05	4.37E-05	4.06E-05	8.03E-05	5.48E-05	4.91E-06	7.16E-07	7.19E-07

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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Cm-244									
Min		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		0.00E+00	0.00E+00	0.00E+00	1.93E-02	9.07E-03	7.51E-04	1.33E-04	1.16E-04
Avg		0.00E+00	0.00E+00	0.00E+00	2.01E-04	2.11E-04	2.73E-05	2.63E-05	6.86E-05
Std		0.00E+00	0.00E+00	0.00E+00	1.86E-03	1.34E-03	1.37E-04	4.97E-05	5.03E-05
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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	1.93E-02	9.07E-03	7.51E-04	1.33E-04	1.16E-04
Avg		0.00E+00	0.00E+00	0.00E+00	2.01E-04	2.11E-04	2.73E-05	2.63E-05	6.86E-05
Std		0.00E+00	0.00E+00	0.00E+00	1.86E-03	1.34E-03	1.37E-04	4.97E-05	5.03E-05
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ALL is total pathway dose summed for all nuclides.

Probabilistic Dose vs Pathway(i): Water Ingestion

Nuclide		DOSE(i,j,t), mrem/yr							
(j)	t=	0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
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Cm-244									
Min		1.50E-05	3.96E-05	8.59E-05	1.98E-04	3.83E-04	3.79E-06	3.70E-06	3.43E-06
Max		1.34E+02	1.27E+02	1.13E+02	7.69E+01	2.53E+01	6.16E-01	8.92E-03	8.06E-03
Avg		1.10E+00	1.04E+00	9.45E-01	6.73E-01	2.65E-01	1.44E-02	1.88E-03	1.64E-03
Std		6.73E+00	6.36E+00	5.68E+00	3.88E+00	1.37E+00	4.77E-02	1.59E-03	1.41E-03
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ALL									
Min		1.50E-05	3.96E-05	8.59E-05	1.98E-04	3.83E-04	3.79E-06	3.70E-06	3.43E-06
Max		1.34E+02	1.27E+02	1.13E+02	7.69E+01	2.53E+01	6.16E-01	8.92E-03	8.06E-03
Avg		1.10E+00	1.04E+00	9.45E-01	6.73E-01	2.65E-01	1.44E-02	1.88E-03	1.64E-03
Std		6.73E+00	6.36E+00	5.68E+00	3.88E+00	1.37E+00	4.77E-02	1.59E-03	1.41E-03
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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
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Cm-244									
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):    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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Cm-244									
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): 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
Cm-244									
Min		1.11E-08	3.38E-08	7.04E-08	1.79E-07	2.77E-07	4.43E-09	4.29E-09	3.99E-09
Max		4.28E-02	4.05E-02	3.63E-02	2.46E-02	8.11E-03	2.51E-04	1.07E-05	8.53E-06
Avg		4.03E-04	3.83E-04	3.47E-04	2.47E-04	9.74E-05	6.47E-06	1.93E-06	1.68E-06
Std		2.41E-03	2.27E-03	2.03E-03	1.38E-03	4.86E-04	1.78E-05	1.66E-06	1.46E-06
ΣALL									
Min		1.11E-08	3.38E-08	7.04E-08	1.79E-07	2.77E-07	4.43E-09	4.29E-09	3.99E-09
Max		4.28E-02	4.05E-02	3.63E-02	2.46E-02	8.11E-03	2.51E-04	1.07E-05	8.53E-06
Avg		4.03E-04	3.83E-04	3.47E-04	2.47E-04	9.74E-05	6.47E-06	1.93E-06	1.68E-06
Std		2.41E-03	2.27E-03	2.03E-03	1.38E-03	4.86E-04	1.78E-05	1.66E-06	1.46E-06

ΣALL is total pathway dose summed for all nuclides.



Probabilistic results summary : RESRAD Default Parameters

File : C:\USERS\DNF\DOCUMENTS\FT CALHOUN\RESRAD INPUT FILES\BP INSITU UA\FCS BURIED PIPE INSITU UA CM-244.RAD

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

Nuclide		DOSE(i,j,t), mrem/yr							
(j)	t=	0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
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Cm-244									
Min		1.19E-09	2.80E-09	5.86E-09	1.36E-08	2.49E-08	2.96E-10	2.67E-10	2.49E-10
Max		2.12E-02	2.01E-02	1.80E-02	1.22E-02	4.02E-03	1.36E-04	8.44E-07	6.16E-07
Avg		2.15E-04	2.04E-04	1.85E-04	1.31E-04	5.11E-05	2.56E-06	1.36E-07	1.18E-07
Std		1.27E-03	1.20E-03	1.07E-03	7.29E-04	2.56E-04	9.22E-06	1.19E-07	1.04E-07
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ΣALL									
Min		1.19E-09	2.80E-09	5.86E-09	1.36E-08	2.49E-08	2.96E-10	2.67E-10	2.49E-10
Max		2.12E-02	2.01E-02	1.80E-02	1.22E-02	4.02E-03	1.36E-04	8.44E-07	6.16E-07
Avg		2.15E-04	2.04E-04	1.85E-04	1.31E-04	5.11E-05	2.56E-06	1.36E-07	1.18E-07
Std		1.27E-03	1.20E-03	1.07E-03	7.29E-04	2.56E-04	9.22E-06	1.19E-07	1.04E-07
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ΣALL is total pathway dose summed for all nuclides.

Cumulative Probability Summary for: Total Dose Over Pathways								
Cumulative	Dose(t), mrem/yr							
Probability	t= 0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
0.025	1.71E-03	1.71E-03	1.71E-03	1.56E-03	1.40E-03	9.61E-04	7.63E-04	6.36E-04
0.050	5.56E-03	5.41E-03	5.13E-03	4.28E-03	2.88E-03	1.47E-03	1.11E-03	9.69E-04
0.075	1.36E-02	1.32E-02	1.24E-02	1.15E-02	6.46E-03	2.11E-03	1.39E-03	1.47E-03
0.100	2.41E-02	2.36E-02	2.20E-02	1.84E-02	1.08E-02	2.65E-03	1.65E-03	1.72E-03
0.125	4.53E-02	4.52E-02	4.20E-02	3.43E-02	1.78E-02	3.68E-03	1.85E-03	1.87E-03
0.150	6.29E-02	6.10E-02	5.79E-02	4.91E-02	2.75E-02	4.57E-03	2.00E-03	2.01E-03
0.175	1.01E-01	9.84E-02	9.43E-02	7.38E-02	3.77E-02	5.37E-03	2.12E-03	2.20E-03
0.200	1.29E-01	1.25E-01	1.15E-01	9.78E-02	5.09E-02	6.42E-03	2.23E-03	2.32E-03
0.225	1.55E-01	1.49E-01	1.40E-01	1.15E-01	5.85E-02	6.95E-03	2.31E-03	2.43E-03
0.250	1.83E-01	1.77E-01	1.65E-01	1.31E-01	6.69E-02	7.81E-03	2.42E-03	2.53E-03
0.275	2.03E-01	1.96E-01	1.82E-01	1.44E-01	7.12E-02	8.31E-03	2.52E-03	2.57E-03
0.300	2.19E-01	2.12E-01	1.97E-01	1.57E-01	7.85E-02	8.71E-03	2.59E-03	2.62E-03
0.325	2.33E-01	2.26E-01	2.10E-01	1.66E-01	8.36E-02	9.05E-03	2.65E-03	2.65E-03
0.350	2.49E-01	2.40E-01	2.24E-01	1.77E-01	8.75E-02	9.42E-03	2.73E-03	2.69E-03
0.375	2.65E-01	2.55E-01	2.37E-01	1.88E-01	9.25E-02	9.60E-03	2.83E-03	2.73E-03
0.400	2.84E-01	2.74E-01	2.55E-01	1.97E-01	9.64E-02	9.87E-03	2.91E-03	2.79E-03
0.425	2.93E-01	2.82E-01	2.62E-01	2.03E-01	1.00E-01	1.02E-02	2.98E-03	2.84E-03
0.450	3.02E-01	2.91E-01	2.71E-01	2.10E-01	1.02E-01	1.03E-02	3.08E-03	2.89E-03
0.475	3.10E-01	2.99E-01	2.78E-01	2.15E-01	1.05E-01	1.06E-02	3.13E-03	2.96E-03
0.500	3.19E-01	3.08E-01	2.86E-01	2.21E-01	1.08E-01	1.08E-02	3.19E-03	3.02E-03
0.525	3.25E-01	3.14E-01	2.92E-01	2.25E-01	1.09E-01	1.10E-02	3.26E-03	3.06E-03
0.550	3.31E-01	3.20E-01	2.98E-01	2.30E-01	1.12E-01	1.13E-02	3.31E-03	3.13E-03
0.575	3.37E-01	3.25E-01	3.03E-01	2.35E-01	1.13E-01	1.17E-02	3.39E-03	3.20E-03
0.600	3.45E-01	3.34E-01	3.11E-01	2.40E-01	1.15E-01	1.19E-02	3.46E-03	3.26E-03
0.625	3.51E-01	3.39E-01	3.16E-01	2.45E-01	1.19E-01	1.24E-02	3.58E-03	3.34E-03
0.650	3.62E-01	3.49E-01	3.25E-01	2.53E-01	1.22E-01	1.28E-02	3.67E-03	3.41E-03
0.675	3.75E-01	3.61E-01	3.36E-01	2.61E-01	1.31E-01	1.32E-02	3.75E-03	3.49E-03
0.700	4.02E-01	3.89E-01	3.64E-01	2.82E-01	1.37E-01	1.40E-02	3.86E-03	3.59E-03
0.725	4.30E-01	4.14E-01	3.85E-01	3.01E-01	1.47E-01	1.49E-02	3.94E-03	3.67E-03
0.750	4.60E-01	4.43E-01	4.14E-01	3.30E-01	1.63E-01	1.58E-02	4.07E-03	3.82E-03
0.775	5.12E-01	4.93E-01	4.58E-01	3.60E-01	1.74E-01	1.68E-02	4.22E-03	4.01E-03
0.800	6.12E-01	5.97E-01	5.55E-01	4.30E-01	2.06E-01	1.79E-02	4.48E-03	4.18E-03
0.825	7.25E-01	6.99E-01	6.48E-01	5.12E-01	2.39E-01	2.09E-02	4.67E-03	4.44E-03
0.850	8.91E-01	8.58E-01	7.95E-01	6.10E-01	2.90E-01	2.33E-02	4.98E-03	4.62E-03
0.875	1.07E+00	1.03E+00	9.59E-01	7.54E-01	3.50E-01	2.74E-02	5.43E-03	4.89E-03
0.900	1.48E+00	1.42E+00	1.32E+00	1.01E+00	4.70E-01	3.52E-02	5.93E-03	5.37E-03
0.925	2.07E+00	1.99E+00	1.84E+00	1.39E+00	6.31E-01	4.47E-02	6.68E-03	6.04E-03
0.950	3.76E+00	3.62E+00	3.35E+00	2.55E+00	1.19E+00	6.95E-02	7.52E-03	7.00E-03
0.975	8.11E+00	7.76E+00	7.13E+00	5.46E+00	2.36E+00	1.36E-01	8.95E-03	8.21E-03
1.000	1.38E+02	1.30E+02	1.17E+02	7.92E+01	2.61E+01	7.32E-01	1.36E-02	1.02E-02

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	5.93E-05	6.56E+01	1.42E+00	3.26E-01	1.38E+00	3.89E+00	1.29E+01	5.81E+01
1.00E+00	8.48E-05	6.26E+01	1.35E+00	3.15E-01	1.33E+00	3.75E+00	1.24E+01	5.42E+01
1.06E+00	8.63E-05	6.24E+01	1.35E+00	3.14E-01	1.32E+00	3.74E+00	1.23E+01	5.39E+01
1.12E+00	8.79E-05	6.22E+01	1.35E+00	3.13E-01	1.32E+00	3.73E+00	1.23E+01	5.37E+01
1.19E+00	8.95E-05	6.20E+01	1.34E+00	3.12E-01	1.32E+00	3.72E+00	1.23E+01	5.35E+01
1.25E+00	9.12E-05	6.18E+01	1.34E+00	3.12E-01	1.31E+00	3.71E+00	1.22E+01	5.32E+01
1.33E+00	9.30E-05	6.16E+01	1.33E+00	3.11E-01	1.31E+00	3.70E+00	1.22E+01	5.29E+01
1.40E+00	9.49E-05	6.14E+01	1.33E+00	3.10E-01	1.31E+00	3.69E+00	1.21E+01	5.27E+01
1.49E+00	9.70E-05	6.11E+01	1.32E+00	3.09E-01	1.30E+00	3.68E+00	1.21E+01	5.24E+01
1.57E+00	9.91E-05	6.09E+01	1.32E+00	3.08E-01	1.30E+00	3.67E+00	1.21E+01	5.20E+01
1.66E+00	1.01E-04	6.06E+01	1.31E+00	3.07E-01	1.29E+00	3.65E+00	1.20E+01	5.17E+01
1.76E+00	1.04E-04	6.03E+01	1.31E+00	3.06E-01	1.29E+00	3.64E+00	1.20E+01	5.14E+01
1.86E+00	1.06E-04	6.00E+01	1.30E+00	3.05E-01	1.28E+00	3.63E+00	1.19E+01	5.10E+01
1.97E+00	1.09E-04	5.97E+01	1.29E+00	3.04E-01	1.28E+00	3.61E+00	1.19E+01	5.06E+01
2.09E+00	1.12E-04	5.94E+01	1.29E+00	3.03E-01	1.27E+00	3.59E+00	1.18E+01	5.02E+01
2.21E+00	1.15E-04	5.91E+01	1.28E+00	3.01E-01	1.27E+00	3.58E+00	1.17E+01	4.98E+01
2.34E+00	1.18E-04	5.87E+01	1.27E+00	3.00E-01	1.26E+00	3.56E+00	1.17E+01	4.93E+01
2.47E+00	1.21E-04	5.83E+01	1.27E+00	2.98E-01	1.25E+00	3.54E+00	1.16E+01	4.89E+01
2.62E+00	1.24E-04	5.79E+01	1.26E+00	2.97E-01	1.25E+00	3.52E+00	1.15E+01	4.84E+01
2.77E+00	1.28E-04	5.75E+01	1.25E+00	2.95E-01	1.24E+00	3.50E+00	1.15E+01	4.79E+01
2.93E+00	1.32E-04	5.71E+01	1.24E+00	2.93E-01	1.23E+00	3.48E+00	1.14E+01	4.73E+01
3.00E+00	1.33E-04	5.69E+01	1.23E+00	2.92E-01	1.23E+00	3.47E+00	1.13E+01	4.71E+01
3.10E+00	1.36E-04	5.66E+01	1.23E+00	2.91E-01	1.23E+00	3.46E+00	1.13E+01	4.68E+01
3.28E+00	1.40E-04	5.61E+01	1.22E+00	2.89E-01	1.22E+00	3.43E+00	1.12E+01	4.62E+01
3.48E+00	1.44E-04	5.56E+01	1.21E+00	2.87E-01	1.21E+00	3.41E+00	1.11E+01	4.56E+01
3.68E+00	1.49E-04	5.51E+01	1.20E+00	2.85E-01	1.20E+00	3.38E+00	1.10E+01	4.49E+01
3.89E+00	1.54E-04	5.45E+01	1.19E+00	2.83E-01	1.19E+00	3.36E+00	1.09E+01	4.43E+01
4.12E+00	1.59E-04	5.39E+01	1.17E+00	2.80E-01	1.18E+00	3.33E+00	1.08E+01	4.36E+01
4.36E+00	1.64E-04	5.33E+01	1.16E+00	2.78E-01	1.17E+00	3.30E+00	1.07E+01	4.29E+01
4.61E+00	1.70E-04	5.27E+01	1.15E+00	2.75E-01	1.17E+00	3.27E+00	1.06E+01	4.21E+01
4.88E+00	1.75E-04	5.20E+01	1.13E+00	2.73E-01	1.21E+00	3.23E+00	1.05E+01	4.13E+01
5.17E+00	1.82E-04	5.13E+01	1.12E+00	2.70E-01	1.23E+00	3.20E+00	1.03E+01	4.05E+01
5.47E+00	1.88E-04	5.06E+01	1.10E+00	2.67E-01	1.22E+00	3.16E+00	1.02E+01	3.97E+01
5.78E+00	1.95E-04	4.98E+01	1.09E+00	2.63E-01	1.21E+00	3.12E+00	1.01E+01	3.88E+01
6.12E+00	2.02E-04	4.90E+01	1.07E+00	2.60E-01	1.19E+00	3.08E+00	9.93E+00	3.79E+01
6.48E+00	2.09E-04	4.82E+01	1.05E+00	2.57E-01	1.17E+00	3.04E+00	9.78E+00	3.70E+01
6.86E+00	2.17E-04	4.73E+01	1.04E+00	2.53E-01	1.16E+00	3.00E+00	9.63E+00	3.60E+01
7.26E+00	2.25E-04	4.64E+01	1.02E+00	2.50E-01	1.14E+00	2.95E+00	9.46E+00	3.50E+01
7.68E+00	2.33E-04	4.55E+01	9.98E-01	2.46E-01	1.12E+00	2.91E+00	9.30E+00	3.40E+01
8.13E+00	2.41E-04	4.45E+01	9.78E-01	2.42E-01	1.10E+00	2.86E+00	9.12E+00	3.30E+01
8.60E+00	2.48E-04	4.35E+01	9.57E-01	2.38E-01	1.08E+00	2.81E+00	8.94E+00	3.19E+01
9.10E+00	2.56E-04	4.25E+01	9.35E-01	2.33E-01	1.06E+00	2.75E+00	8.75E+00	3.08E+01
9.63E+00	2.63E-04	4.14E+01	9.13E-01	2.29E-01	1.04E+00	2.70E+00	8.55E+00	2.97E+01
1.00E+01	2.68E-04	4.07E+01	8.98E-01	2.26E-01	1.03E+00	2.66E+00	8.42E+00	2.90E+01
1.02E+01	2.71E-04	4.03E+01	8.90E-01	2.24E-01	1.02E+00	2.64E+00	8.35E+00	2.86E+01
1.08E+01	2.79E-04	3.92E+01	8.66E-01	2.19E-01	9.98E-01	2.58E+00	8.14E+00	2.74E+01
1.14E+01	2.88E-04	3.81E+01	8.42E-01	2.14E-01	9.74E-01	2.52E+00	7.93E+00	2.62E+01
1.21E+01	2.96E-04	3.69E+01	8.17E-01	2.09E-01	9.49E-01	2.46E+00	7.71E+00	2.51E+01
1.28E+01	3.05E-04	3.57E+01	7.91E-01	2.04E-01	9.23E-01	2.39E+00	7.48E+00	2.39E+01
1.35E+01	3.14E-04	3.44E+01	7.65E-01	1.98E-01	8.97E-01	2.33E+00	7.25E+00	2.27E+01
1.43E+01	3.24E-04	3.31E+01	7.39E-01	1.93E-01	8.70E-01	2.26E+00	7.01E+00	2.15E+01
1.51E+01	3.34E-04	3.18E+01	7.11E-01	1.87E-01	8.42E-01	2.19E+00	6.76E+00	2.02E+01
1.60E+01	3.43E-04	3.05E+01	6.84E-01	1.81E-01	8.13E-01	2.12E+00	6.51E+00	1.90E+01
1.70E+01	3.54E-04	2.92E+01	6.56E-01	1.75E-01	7.84E-01	2.04E+00	6.26E+00	1.78E+01
1.80E+01	3.64E-04	2.79E+01	6.27E-01	1.69E-01	7.54E-01	1.97E+00	6.00E+00	1.67E+01
1.90E+01	3.75E-04	2.65E+01	5.99E-01	1.63E-01	7.24E-01	1.89E+00	5.74E+00	1.55E+01

2.01E+01 3.85E-04 2.51E+01 5.70E-01 1.56E-01 6.93E-01 1.81E+00 5.48E+00 1.43E+01

2.13E+01 3.96E-04 2.38E+01 5.41E-01 1.49E-01 6.62E-01 1.73E+00 5.21E+00 1.32E+01

2.25E+01 4.07E-04 2.24E+01 5.12E-01 1.43E-01 6.31E-01 1.65E+00 4.94E+00 1.21E+01

2.38E+01 4.18E-04 2.10E+01 4.83E-01 1.36E-01 5.99E-01 1.57E+00 4.68E+00 1.11E+01

2.52E+01 4.29E-04 1.97E+01 4.54E-01 1.29E-01 5.67E-01 1.49E+00 4.41E+00 1.01E+01



2.67E+01 4.40E-04 1.84E+01 4.26E-01 1.22E-01 5.36E-01 1.41E+00 4.14E+00 9.09E+00

2.82E+01 4.52E-04 1.71E+01 3.98E-01 1.15E-01 5.04E-01 1.33E+00 3.88E+00 8.16E+00

2.99E+01 4.63E-04 1.58E+01 3.70E-01 1.08E-01 4.73E-01 1.25E+00 3.62E+00 7.28E+00

3.00E+01 4.64E-04 1.57E+01 3.68E-01 1.08E-01 4.71E-01 1.25E+00 3.60E+00 7.22E+00

3.16E+01 4.74E-04 1.45E+01 3.43E-01 1.02E-01 4.42E-01 1.17E+00 3.36E+00 6.68E+00

3.35E+01 4.85E-04 1.33E+01 3.17E-01 9.51E-02 4.11E-01 1.09E+00 3.11E+00 6.21E+00

3.54E+01 4.95E-04 1.21E+01 2.91E-01 8.86E-02 3.81E-01 1.01E+00 2.86E+00 5.75E+00

3.75E+01 5.06E-04 1.10E+01 2.66E-01 8.25E-02 3.52E-01 9.38E-01 2.62E+00 5.29E+00



3.97E+01 5.16E-04 9.89E+00 2.42E-01 7.63E-02 3.25E-01 8.64E-01 2.39E+00 4.85E+00

4.20E+01 5.26E-04 8.86E+00 2.20E-01 7.03E-02 3.00E-01 7.92E-01 2.17E+00 4.43E+00

4.44E+01 5.36E-04 7.88E+00 1.98E-01 6.44E-02 2.76E-01 7.22E-01 1.95E+00 4.02E+00

4.70E+01 5.45E-04 6.97E+00 1.77E-01 5.86E-02 2.53E-01 6.55E-01 1.75E+00 3.63E+00

4.97E+01 5.54E-04 6.12E+00 1.58E-01 5.33E-02 2.29E-01 5.90E-01 1.56E+00 3.25E+00

5.26E+01 5.63E-04 5.33E+00 1.40E-01 4.82E-02 2.06E-01 5.29E-01 1.38E+00 2.90E+00

5.57E+01 5.71E-04 4.60E+00 1.23E-01 4.32E-02 1.84E-01 4.72E-01 1.17E+00 2.57E+00

5.90E+01 5.78E-04 3.94E+00 1.08E-01 3.86E-02 1.63E-01 4.17E-01 9.84E-01 2.26E+00



6.24E+01 5.86E-04 3.35E+00 9.37E-02 3.44E-02 1.44E-01 3.62E-01 8.16E-01 1.98E+00

6.60E+01 5.92E-04 2.82E+00 8.08E-02 3.07E-02 1.26E-01 3.13E-01 6.72E-01 1.71E+00

6.99E+01 5.98E-04 2.35E+00 6.92E-02 2.71E-02 1.09E-01 2.67E-01 5.72E-01 1.47E+00

7.39E+01 6.04E-04 1.93E+00 5.89E-02 2.38E-02 9.39E-02 2.27E-01 4.86E-01 1.25E+00

7.82E+01 6.09E-04 1.57E+00 4.98E-02 2.06E-02 8.03E-02 1.90E-01 4.10E-01 1.01E+00

8.28E+01 6.14E-04 1.27E+00 4.17E-02 1.79E-02 6.83E-02 1.58E-01 3.37E-01 7.94E-01

8.76E+01 6.18E-04 1.01E+00 3.48E-02 1.55E-02 5.74E-02 1.30E-01 2.74E-01 6.18E-01

9.27E+01 6.22E-04 7.92E-01 2.88E-02 1.33E-02 4.80E-02 1.06E-01 2.21E-01 4.73E-01



9.81E+01 7.33E-04 6.14E-01 2.37E-02 1.15E-02 3.95E-02 8.49E-02 1.75E-01 3.58E-01

1.00E+02 7.35E-04 5.62E-01 2.22E-02 1.09E-02 3.69E-02 7.88E-02 1.62E-01 3.25E-01

1.04E+02    7.37E-04    4.69E-01    1.95E-02    9.90E-03    3.21E-02    6.78E-02    1.37E-01    2.66E-01

1.10E+02 7.40E-04 3.53E-01 1.59E-02 8.48E-03 2.59E-02 5.36E-02 1.06E-01 2.03E-01

1.16E+02 7.38E-04 2.61E-01 1.30E-02 7.34E-03 1.96E-02 4.20E-02 8.13E-02 1.58E-01

1.23E+02    7.25E-04    1.91E-01    1.07E-02    6.46E-03    1.53E-02    3.26E-02    6.14E-02    1.22E-01

1.30E+02    7.18E-04    1.44E-01    8.84E-03    5.73E-03    1.30E-02    2.60E-02    4.58E-02    9.37E-02

1.38E+02    7.05E-04    1.09E-01    7.38E-03    5.10E-03    1.17E-02    2.14E-02    3.39E-02    7.10E-02



1.46E+02 6.95E-04 8.19E-02 6.26E-03 4.59E-03 1.03E-02 1.79E-02 2.50E-02 5.34E-02

1.54E+02 7.01E-04 6.13E-02 5.41E-03 4.18E-03 9.59E-03 1.39E-02 1.87E-02 4.00E-02

1.63E+02 5.08E-04 4.58E-02 4.79E-03 3.92E-03 8.51E-03 1.16E-02 1.39E-02 3.01E-02

1.73E+02 1.25E-04 3.45E-02 4.33E-03 3.65E-03 7.67E-03 1.03E-02 1.16E-02 2.27E-02

1.83E+02 1.25E-04 2.63E-02 4.02E-03 3.43E-03 7.09E-03 8.54E-03 1.09E-02 1.63E-02

1.94E+02 1.25E-04 2.06E-02 3.80E-03 3.34E-03 6.52E-03 8.32E-03 1.03E-02 1.32E-02

2.05E+02 1.24E-04 1.67E-02 3.67E-03 3.27E-03 6.26E-03 7.97E-03 9.89E-03 1.14E-02

2.17E+02    1.24E-04    1.40E-02    3.58E-03    3.27E-03    6.10E-03    7.86E-03    9.70E-03    1.06E-02



2.29E+02 1.24E-04 1.23E-02 3.54E-03 3.25E-03 5.97E-03 7.79E-03 9.21E-03 1.05E-02

2.43E+02 1.24E-04 1.12E-02 3.52E-03 3.21E-03 5.92E-03 7.74E-03 8.98E-03 1.05E-02

2.57E+02 1.24E-04 1.09E-02 3.52E-03 3.19E-03 5.93E-03 7.62E-03 8.88E-03 1.05E-02

2.72E+02 1.24E-04 1.08E-02 3.52E-03 3.18E-03 5.96E-03 7.44E-03 8.84E-03 1.01E-02

2.88E+02 1.23E-04 1.08E-02 3.54E-03 3.21E-03 5.99E-03 7.41E-03 8.81E-03 1.01E-02

3.00E+02 1.23E-04 1.08E-02 3.55E-03 3.20E-03 5.98E-03 7.39E-03 8.80E-03 1.01E-02

3.05E+02 1.23E-04 1.08E-02 3.55E-03 3.20E-03 5.99E-03 7.38E-03 8.80E-03 1.01E-02

3.22E+02 1.23E-04 1.08E-02 3.56E-03 3.19E-03 6.01E-03 7.37E-03 8.78E-03 1.00E-02



3.41E+02 1.23E-04 1.08E-02 3.57E-03 3.21E-03 6.01E-03 7.35E-03 8.77E-03 9.99E-03

3.61E+02 1.22E-04 1.08E-02 3.58E-03 3.22E-03 6.04E-03 7.40E-03 8.75E-03 9.96E-03

3.82E+02 1.22E-04 1.07E-02 3.60E-03 3.21E-03 6.09E-03 7.47E-03 8.71E-03 9.94E-03

4.04E+02 1.22E-04 1.07E-02 3.61E-03 3.23E-03 6.11E-03 7.56E-03 8.63E-03 9.90E-03

4.28E+02 8.68E-05 1.07E-02 3.61E-03 3.23E-03 6.11E-03 7.56E-03 8.55E-03 9.86E-03

4.53E+02    8.66E-05    1.07E-02    3.61E-03    3.25E-03    6.11E-03    7.55E-03    8.46E-03    9.82E-03

4.79E+02 8.63E-05 1.07E-02 3.61E-03 3.26E-03 6.15E-03 7.55E-03 8.41E-03 9.78E-03

5.07E+02    8.61E-05    1.06E-02    3.62E-03    3.26E-03    6.15E-03    7.54E-03    8.41E-03    9.73E-03



5.36E+02    8.58E-05    1.06E-02    3.61E-03    3.25E-03    6.12E-03    7.53E-03    8.41E-03    9.69E-03

5.68E+02    8.55E-05    1.06E-02    3.61E-03    3.25E-03    6.12E-03    7.53E-03    8.41E-03    9.67E-03

6.01E+02    8.52E-05    1.06E-02    3.61E-03    3.24E-03    6.12E-03    7.44E-03    8.39E-03    9.68E-03

6.36E+02    8.49E-05    1.05E-02    3.60E-03    3.22E-03    6.14E-03    7.35E-03    8.26E-03    9.68E-03

6.73E+02 8.46E-05 1.05E-02 3.58E-03 3.20E-03 6.11E-03 7.26E-03 8.35E-03 9.69E-03

7.12E+02    8.42E-05    1.05E-02    3.56E-03    3.19E-03    6.08E-03    7.16E-03    8.39E-03    9.70E-03

7.53E+02    8.38E-05    1.04E-02    3.53E-03    3.14E-03    5.84E-03    7.14E-03    8.39E-03    9.56E-03

7.97E+02 8.35E-05 1.04E-02 3.50E-03 3.13E-03 5.65E-03 7.06E-03 8.37E-03 9.41E-03



8.44E+02 8.30E-05 1.04E-02 3.46E-03 3.12E-03 5.59E-03 7.07E-03 8.37E-03 9.36E-03

8.93E+02 8.26E-05 1.03E-02 3.42E-03 3.05E-03 5.55E-03 7.09E-03 8.36E-03 9.30E-03

9.45E+02    8.22E-05    1.03E-02    3.38E-03    3.00E-03    5.46E-03    7.00E-03    8.31E-03    9.23E-03

1.00E+03    8.17E-05    1.02E-02    3.33E-03    2.98E-03    5.37E-03    6.83E-03    8.15E-03    9.16E-03

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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 CM-244.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	2.13E-04	1.38E+02	1.45E+00	3.16E-01	1.61E+00	3.34E+00	8.16E+00	2.89E+01
1.00E+00	2.56E-04	1.30E+02	1.38E+00	3.04E-01	1.56E+00	3.20E+00	7.82E+00	2.76E+01
1.06E+00	2.59E-04	1.30E+02	1.37E+00	3.04E-01	1.55E+00	3.20E+00	7.80E+00	2.76E+01
1.12E+00	2.61E-04	1.29E+02	1.37E+00	3.03E-01	1.55E+00	3.19E+00	7.78E+00	2.75E+01
1.19E+00	2.64E-04	1.29E+02	1.36E+00	3.02E-01	1.54E+00	3.18E+00	7.76E+00	2.74E+01
1.25E+00	2.67E-04	1.28E+02	1.36E+00	3.02E-01	1.54E+00	3.17E+00	7.74E+00	2.73E+01
1.33E+00	2.70E-04	1.28E+02	1.36E+00	3.01E-01	1.54E+00	3.16E+00	7.71E+00	2.72E+01
1.40E+00	2.73E-04	1.27E+02	1.35E+00	3.00E-01	1.53E+00	3.15E+00	7.69E+00	2.71E+01
1.49E+00	2.77E-04	1.27E+02	1.34E+00	2.99E-01	1.53E+00	3.14E+00	7.66E+00	2.71E+01
1.57E+00	2.80E-04	1.26E+02	1.34E+00	2.98E-01	1.52E+00	3.13E+00	7.63E+00	2.69E+01
1.66E+00	2.84E-04	1.26E+02	1.33E+00	2.97E-01	1.52E+00	3.12E+00	7.60E+00	2.68E+01
1.76E+00	2.88E-04	1.25E+02	1.33E+00	2.96E-01	1.51E+00	3.11E+00	7.57E+00	2.67E+01
1.86E+00	2.93E-04	1.24E+02	1.32E+00	2.95E-01	1.50E+00	3.09E+00	7.54E+00	2.66E+01
1.97E+00	2.97E-04	1.23E+02	1.31E+00	2.94E-01	1.50E+00	3.08E+00	7.50E+00	2.65E+01
2.09E+00	3.02E-04	1.23E+02	1.30E+00	2.92E-01	1.49E+00	3.07E+00	7.47E+00	2.63E+01
2.21E+00	3.07E-04	1.22E+02	1.30E+00	2.91E-01	1.49E+00	3.05E+00	7.43E+00	2.62E+01
2.34E+00	3.12E-04	1.21E+02	1.29E+00	2.90E-01	1.48E+00	3.04E+00	7.39E+00	2.61E+01
2.47E+00	3.17E-04	1.20E+02	1.28E+00	2.88E-01	1.47E+00	3.02E+00	7.34E+00	2.59E+01
2.62E+00	3.23E-04	1.19E+02	1.27E+00	2.87E-01	1.46E+00	3.00E+00	7.30E+00	2.57E+01
2.77E+00	3.29E-04	1.18E+02	1.26E+00	2.85E-01	1.45E+00	2.98E+00	7.25E+00	2.56E+01
2.93E+00	3.36E-04	1.17E+02	1.25E+00	2.83E-01	1.44E+00	2.96E+00	7.20E+00	2.54E+01
3.00E+00	3.39E-04	1.17E+02	1.25E+00	2.83E-01	1.44E+00	2.96E+00	7.18E+00	2.53E+01
3.3.10E+00	3.43E-04	1.16E+02	1.24E+00	2.82E-01	1.43E+00	2.94E+00	7.15E+00	2.52E+01
3.3.28E+00	3.50E-04	1.15E+02	1.23E+00	2.80E-01	1.42E+00	2.92E+00	7.12E+00	2.50E+01
3.48E+00	3.57E-04	1.14E+02	1.22E+00	2.78E-01	1.41E+00	2.90E+00	7.12E+00	2.48E+01
3.68E+00	3.65E-04	1.12E+02	1.21E+00	2.76E-01	1.40E+00	2.88E+00	7.12E+00	2.46E+01
3.89E+00	3.73E-04	1.11E+02	1.19E+00	2.74E-01	1.39E+00	2.85E+00	7.12E+00	2.43E+01
4.12E+00	3.82E-04	1.10E+02	1.18E+00	2.71E-01	1.38E+00	2.83E+00	7.12E+00	2.41E+01
4.36E+00	3.91E-04	1.08E+02	1.17E+00	2.69E-01	1.37E+00	2.80E+00	7.11E+00	2.39E+01
4.61E+00	4.00E-04	1.07E+02	1.15E+00	2.67E-01	1.35E+00	2.77E+00	7.11E+00	2.36E+01
4.88E+00	4.10E-04	1.05E+02	1.14E+00	2.64E-01	1.34E+00	2.74E+00	7.10E+00	2.33E+01
5.17E+00	4.21E-04	1.03E+02	1.12E+00	2.61E-01	1.33E+00	2.71E+00	7.09E+00	2.30E+01
5.47E+00	4.32E-04	1.02E+02	1.11E+00	2.59E-01	1.31E+00	2.68E+00	7.09E+00	2.27E+01
5.78E+00	4.43E-04	1.00E+02	1.09E+00	2.56E-01	1.29E+00	2.64E+00	7.08E+00	2.24E+01
6.12E+00	4.55E-04	9.81E+01	1.07E+00	2.53E-01	1.28E+00	2.61E+00	7.07E+00	2.21E+01
6.48E+00	4.68E-04	9.62E+01	1.05E+00	2.49E-01	1.26E+00	2.57E+00	7.05E+00	2.17E+01
6.86E+00	4.81E-04	9.42E+01	1.03E+00	2.46E-01	1.24E+00	2.53E+00	7.04E+00	2.14E+01
7.26E+00	4.94E-04	9.22E+01	1.02E+00	2.42E-01	1.22E+00	2.49E+00	7.02E+00	2.10E+01
7.68E+00	5.08E-04	9.01E+01	9.95E-01	2.39E-01	1.20E+00	2.45E+00	7.00E+00	2.06E+01
8.13E+00	5.23E-04	8.79E+01	9.75E-01	2.35E-01	1.18E+00	2.40E+00	6.98E+00	2.02E+01
8.60E+00	5.38E-04	8.56E+01	9.53E-01	2.31E-01	1.16E+00	2.36E+00	6.96E+00	1.95E+01
9.10E+00	5.54E-04	8.33E+01	9.31E-01	2.27E-01	1.14E+00	2.31E+00	6.86E+00	1.84E+01
9.63E+00	5.71E-04	8.08E+01	9.08E-01	2.23E-01	1.12E+00	2.26E+00	6.71E+00	1.74E+01
1.00E+01	5.82E-04	7.92E+01	8.92E-01	2.20E-01	1.10E+00	2.23E+00	6.61E+00	1.67E+01
1.02E+01	5.88E-04	7.84E+01	8.84E-01	2.19E-01	1.09E+00	2.21E+00	6.55E+00	1.64E+01
1.08E+01	6.05E-04	7.58E+01	8.59E-01	2.14E-01	1.07E+00	2.16E+00	6.39E+00	1.53E+01
1.14E+01	6.24E-04	7.32E+01	8.33E-01	2.09E-01	1.04E+00	2.10E+00	6.22E+00	1.43E+01
1.21E+01	6.42E-04	7.06E+01	8.07E-01	2.04E-01	1.02E+00	2.05E+00	6.04E+00	1.33E+01
1.28E+01	6.62E-04	6.79E+01	7.81E-01	1.99E-01	9.88E-01	1.99E+00	5.87E+00	1.24E+01
1.35E+01	6.82E-04	6.51E+01	7.54E-01	1.94E-01	9.60E-01	1.93E+00	5.68E+00	1.14E+01
1.43E+01	7.02E-04	6.23E+01	7.26E-01	1.89E-01	9.31E-01	1.87E+00	5.49E+00	1.05E+01
1.51E+01	7.24E-04	5.95E+01	6.98E-01	1.83E-01	9.02E-01	1.81E+00	5.30E+00	9.56E+00
1.60E+01	7.45E-04	5.67E+01	6.70E-01	1.77E-01	8.72E-01	1.75E+00	5.11E+00	8.93E+00
1.70E+01	7.67E-04	5.38E+01	6.41E-01	1.71E-01	8.41E-01	1.68E+00	4.91E+00	8.60E+00
1.80E+01	7.90E-04	5.09E+01	6.13E-01	1.65E-01	8.10E-01	1.62E+00	4.70E+00	8.27E+00
1.90E+01	8.13E-04	4.81E+01	5.84E-01	1.59E-01	7.78E-01	1.55E+00	4.50E+00	7.93E+00

2.01E+01 8.36E-04 4.52E+01 5.55E-01 1.53E-01 7.45E-01 1.48E+00 4.29E+00 7.58E+00



2.13E+01 8.60E-04 4.24E+01 5.26E-01 1.47E-01 7.12E-01 1.41E+00 4.08E+00 7.24E+00

2.25E+01 8.83E-04 3.95E+01 4.97E-01 1.40E-01 6.79E-01 1.34E+00 3.76E+00 6.89E+00

2.38E+01 9.08E-04 3.68E+01 4.68E-01 1.34E-01 6.46E-01 1.28E+00 3.40E+00 6.55E+00

2.52E+01 9.32E-04 3.40E+01 4.40E-01 1.27E-01 6.12E-01 1.21E+00 3.06E+00 6.22E+00

2.67E+01 9.56E-04 3.14E+01 4.12E-01 1.21E-01 5.79E-01 1.14E+00 2.75E+00 5.88E+00

2.82E+01 9.80E-04 2.88E+01 3.84E-01 1.14E-01 5.45E-01 1.07E+00 2.50E+00 5.55E+00

2.99E+01 1.00E-03 2.63E+01 3.57E-01 1.07E-01 5.12E-01 9.99E-01 2.34E+00 5.21E+00

3.00E+01 1.01E-03 2.61E+01 3.55E-01 1.07E-01 5.09E-01 9.94E-01 2.33E+00 5.19E+00



3.16E+01 1.03E-03 2.39E+01 3.31E-01 1.01E-01 4.79E-01 9.31E-01 2.18E+00 4.88E+00

3.35E+01 1.05E-03 2.15E+01 3.05E-01 9.42E-02 4.46E-01 8.65E-01 2.03E+00 4.56E+00

3.54E+01 1.08E-03 1.93E+01 2.80E-01 8.78E-02 4.14E-01 7.99E-01 1.88E+00 4.23E+00

3.75E+01 1.08E-03 1.72E+01 2.56E-01 8.15E-02 3.82E-01 7.35E-01 1.73E+00 3.92E+00

3.97E+01 1.05E-03 1.53E+01 2.33E-01 7.52E-02 3.52E-01 6.73E-01 1.58E+00 3.61E+00

4.20E+01 1.03E-03 1.34E+01 2.11E-01 6.92E-02 3.22E-01 6.00E-01 1.44E+00 3.31E+00

4.44E+01 1.00E-03 1.17E+01 1.90E-01 6.34E-02 2.93E-01 5.44E-01 1.31E+00 3.02E+00

4.70E+01 9.77E-04 1.02E+01 1.71E-01 5.79E-02 2.66E-01 4.92E-01 1.18E+00 2.74E+00



4.97E+01 9.54E-04 8.73E+00 1.52E-01 5.27E-02 2.40E-01 4.42E-01 1.06E+00 2.47E+00

5.26E+01 9.31E-04 7.44E+00 1.35E-01 4.76E-02 2.07E-01 3.95E-01 9.44E-01 2.21E+00

5.57E+01 9.10E-04 6.27E+00 1.19E-01 4.28E-02 1.88E-01 3.51E-01 8.35E-01 1.97E+00

5.90E+01 8.91E-04 5.24E+00 1.04E-01 3.83E-02 1.68E-01 3.08E-01 7.34E-01 1.75E+00

6.24E+01 8.72E-04 4.33E+00 9.04E-02 3.40E-02 1.48E-01 2.68E-01 6.40E-01 1.54E+00

6.60E+01 8.56E-04 3.54E+00 7.80E-02 3.00E-02 1.29E-01 2.32E-01 5.54E-01 1.34E+00

6.99E+01    8.40E-04    2.86E+00    6.69E-02    2.64E-02    1.12E-01    1.99E-01    4.75E-01    1.16E+00

7.39E+01 8.26E-04 2.29E+00 5.70E-02 2.32E-02 9.59E-02 1.69E-01 4.05E-01 9.97E-01



7.82E+01 8.14E-04 1.80E+00 4.82E-02 2.03E-02 8.17E-02 1.42E-01 3.41E-01 8.49E-01

8.28E+01 8.02E-04 1.40E+00 4.05E-02 1.75E-02 6.90E-02 1.19E-01 2.85E-01 7.17E-01

8.76E+01 7.93E-04 1.07E+00 3.38E-02 1.51E-02 5.78E-02 1.01E-01 2.36E-01 6.00E-01

9.27E+01 7.84E-04 8.11E-01 2.80E-02 1.30E-02 4.81E-02 8.42E-02 1.93E-01 4.97E-01

9.81E+01 7.77E-04 6.04E-01 2.31E-02 1.12E-02 3.98E-02 6.94E-02 1.56E-01 3.98E-01

1.00E+02 7.74E-04 5.45E-01 2.17E-02 1.07E-02 3.77E-02 6.47E-02 1.45E-01 3.67E-01

1.04E+02 7.70E-04 4.42E-01 1.90E-02 9.66E-03 3.36E-02 5.62E-02 1.24E-01 3.11E-01

1.10E+02 7.64E-04 3.18E-01 1.56E-02 8.43E-03 2.75E-02 4.51E-02 9.68E-02 2.40E-01



1.16E+02 7.25E-04 2.26E-01 1.28E-02 7.35E-03 2.23E-02 3.59E-02 7.45E-02 1.82E-01

1.23E+02 6.93E-04 1.67E-01 1.05E-02 6.41E-03 1.79E-02 2.85E-02 5.66E-02 1.37E-01

1.30E+02 2.37E-05 1.31E-01 8.71E-03 5.67E-03 1.48E-02 2.25E-02 4.26E-02 1.01E-01

1.38E+02    2.37E-05    1.01E-01    7.30E-03    5.05E-03    1.19E-02    1.78E-02    3.17E-02    7.47E-02

1.46E+02 2.37E-05 7.84E-02 6.22E-03 4.54E-03 1.01E-02 1.40E-02 2.34E-02 5.32E-02

1.54E+02 2.36E-05 6.06E-02 5.39E-03 4.15E-03 9.29E-03 1.21E-02 1.72E-02 3.80E-02

1.63E+02 2.36E-05 4.70E-02 4.78E-03 3.82E-03 8.32E-03 1.05E-02 1.28E-02 2.71E-02

1.73E+02 2.36E-05 3.68E-02 4.34E-03 3.61E-03 7.69E-03 9.33E-03 1.05E-02 1.94E-02



1.83E+02 2.36E-05 2.94E-02 4.03E-03 3.46E-03 7.23E-03 8.79E-03 9.90E-03 1.44E-02

1.94E+02 2.35E-05 2.42E-02 3.82E-03 3.34E-03 6.51E-03 8.43E-03 9.59E-03 1.20E-02

2.05E+02 2.35E-05 2.05E-02 3.68E-03 3.24E-03 6.37E-03 8.11E-03 9.20E-03 1.06E-02

2.17E+02 2.35E-05 1.80E-02 3.59E-03 3.21E-03 6.35E-03 7.73E-03 9.11E-03 1.02E-02

2.29E+02 2.34E-05 1.63E-02 3.55E-03 3.19E-03 6.29E-03 7.68E-03 9.05E-03 1.02E-02

2.43E+02 2.34E-05 1.53E-02 3.53E-03 3.19E-03 6.28E-03 7.63E-03 9.02E-03 9.78E-03

2.57E+02    2.34E-05    1.46E-02    3.52E-03    3.19E-03    6.27E-03    7.59E-03    8.98E-03    9.34E-03

2.72E+02 2.33E-05 1.42E-02 3.52E-03 3.19E-03 6.26E-03 7.58E-03 8.96E-03 9.20E-03



2.88E+02 2.33E-05 1.38E-02 3.52E-03 3.19E-03 6.26E-03 7.56E-03 8.93E-03 9.18E-03

3.00E+02 2.33E-05 1.36E-02 3.52E-03 3.19E-03 6.27E-03 7.55E-03 8.88E-03 9.16E-03

3.05E+02 2.33E-05 1.35E-02 3.53E-03 3.19E-03 6.27E-03 7.54E-03 8.87E-03 9.15E-03

3.22E+02 2.32E-05 1.32E-02 3.54E-03 3.24E-03 6.27E-03 7.52E-03 8.83E-03 9.13E-03

3.41E+02 2.32E-05 1.28E-02 3.55E-03 3.24E-03 6.25E-03 7.51E-03 8.80E-03 9.11E-03

3.61E+02 2.31E-05 1.25E-02 3.56E-03 3.24E-03 6.28E-03 7.49E-03 8.78E-03 9.08E-03

3.82E+02 2.31E-05 1.22E-02 3.57E-03 3.24E-03 6.29E-03 7.48E-03 8.76E-03 9.09E-03

4.04E+02 2.30E-05 1.18E-02 3.58E-03 3.24E-03 6.29E-03 7.46E-03 8.79E-03 9.12E-03



4.28E+02 2.30E-05 1.14E-02 3.59E-03 3.23E-03 6.30E-03 7.44E-03 8.83E-03 9.15E-03

4.53E+02 2.29E-05 1.10E-02 3.59E-03 3.23E-03 6.31E-03 7.43E-03 8.83E-03 9.19E-03

4.79E+02 2.28E-05 1.06E-02 3.60E-03 3.23E-03 6.31E-03 7.41E-03 8.80E-03 9.22E-03

5.07E+02    2.28E-05    1.04E-02    3.60E-03    3.24E-03    6.32E-03    7.39E-03    8.78E-03    9.27E-03

5.36E+02 2.27E-05 1.04E-02 3.60E-03 3.24E-03 6.31E-03 7.37E-03 8.75E-03 9.42E-03

5.68E+02    2.26E-05    1.03E-02    3.59E-03    3.27E-03    6.24E-03    7.45E-03    8.73E-03    9.33E-03

6.01E+02 2.25E-05 1.03E-02 3.59E-03 3.26E-03 6.16E-03 7.38E-03 8.75E-03 9.36E-03

6.36E+02 2.25E-05 1.02E-02 3.57E-03 3.23E-03 6.09E-03 7.48E-03 8.63E-03 9.40E-03



6.73E+02 2.24E-05 1.02E-02 3.56E-03 3.21E-03 5.98E-03 7.60E-03 8.59E-03 9.45E-03

7.12E+02 2.23E-05 1.03E-02 3.54E-03 3.17E-03 5.88E-03 7.64E-03 8.59E-03 9.50E-03

7.53E+02 2.22E-05 1.02E-02 3.51E-03 3.16E-03 5.89E-03 7.39E-03 8.55E-03 9.56E-03

7.97E+02 2.21E-05 9.97E-03 3.49E-03 3.13E-03 5.88E-03 7.22E-03 8.48E-03 9.61E-03

8.44E+02 2.20E-05 9.90E-03 3.45E-03 3.06E-03 5.68E-03 7.18E-03 8.48E-03 9.37E-03

8.93E+02 2.19E-05 9.83E-03 3.41E-03 3.02E-03 5.61E-03 7.13E-03 8.42E-03 9.43E-03

9.45E+02 2.17E-05 9.79E-03 3.37E-03 3.04E-03 5.34E-03 7.09E-03 8.40E-03 9.66E-03

1.00E+03 2.16E-05 9.92E-03 3.32E-03 3.03E-03 5.30E-03 7.02E-03 8.27E-03 9.66E-03



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Summary of dose at graphical times, reptition 3								
Time	Dose statistics at graphical times, mrem/yr							
Years	Minimum	Maximum	Mean	Median	90%	95%	97.5%	99%
0.00E+00	1.61E-05	7.93E+01	1.31E+00	3.15E-01	1.26E+00	4.00E+00	7.56E+00	4.75E+01
1.00E+00	4.25E-05	7.57E+01	1.25E+00	3.04E-01	1.21E+00	3.85E+00	7.27E+00	4.40E+01
1.06E+00	4.40E-05	7.55E+01	1.25E+00	3.03E-01	1.21E+00	3.84E+00	7.25E+00	4.38E+01
1.12E+00	4.56E-05	7.53E+01	1.24E+00	3.02E-01	1.21E+00	3.83E+00	7.24E+00	4.36E+01
1.19E+00	4.73E-05	7.50E+01	1.24E+00	3.02E-01	1.20E+00	3.82E+00	7.22E+00	4.34E+01
1.25E+00	4.90E-05	7.48E+01	1.24E+00	3.01E-01	1.20E+00	3.81E+00	7.20E+00	4.31E+01
1.33E+00	5.09E-05	7.45E+01	1.23E+00	3.00E-01	1.20E+00	3.80E+00	7.18E+00	4.29E+01
1.40E+00	5.29E-05	7.42E+01	1.23E+00	2.99E-01	1.19E+00	3.79E+00	7.16E+00	4.26E+01
1.49E+00	5.50E-05	7.40E+01	1.22E+00	2.98E-01	1.19E+00	3.78E+00	7.13E+00	4.23E+01
1.57E+00	5.72E-05	7.37E+01	1.22E+00	2.97E-01	1.18E+00	3.76E+00	7.11E+00	4.21E+01
1.66E+00	5.95E-05	7.33E+01	1.21E+00	2.96E-01	1.18E+00	3.75E+00	7.08E+00	4.18E+01
1.76E+00	6.19E-05	7.30E+01	1.21E+00	2.95E-01	1.18E+00	3.74E+00	7.06E+00	4.14E+01
1.86E+00	6.45E-05	7.27E+01	1.20E+00	2.94E-01	1.17E+00	3.72E+00	7.03E+00	4.11E+01
1.97E+00	6.72E-05	7.23E+01	1.20E+00	2.93E-01	1.17E+00	3.71E+00	7.00E+00	4.08E+01
2.09E+00	7.00E-05	7.19E+01	1.19E+00	2.92E-01	1.16E+00	3.69E+00	6.97E+00	4.04E+01
2.21E+00	7.31E-05	7.15E+01	1.18E+00	2.90E-01	1.16E+00	3.67E+00	6.93E+00	4.00E+01
2.24E+00	7.62E-05	7.10E+01	1.18E+00	2.89E-01	1.15E+00	3.65E+00	6.90E+00	3.96E+01
2.27E+00	7.96E-05	7.06E+01	1.17E+00	2.87E-01	1.14E+00	3.63E+00	6.86E+00	3.92E+01
2.26E+00	8.31E-05	7.01E+01	1.16E+00	2.86E-01	1.14E+00	3.61E+00	6.82E+00	3.88E+01
2.27E+00	8.68E-05	6.96E+01	1.15E+00	2.84E-01	1.13E+00	3.59E+00	6.78E+00	3.83E+01
2.23E+00	9.07E-05	6.91E+01	1.14E+00	2.82E-01	1.12E+00	3.57E+00	6.74E+00	3.78E+01
3.00E+00	9.23E-05	6.89E+01	1.14E+00	2.82E-01	1.12E+00	3.56E+00	6.72E+00	3.76E+01
3.310E+00	9.48E-05	6.85E+01	1.14E+00	2.81E-01	1.12E+00	3.55E+00	6.69E+00	3.73E+01
3.328E+00	9.91E-05	6.79E+01	1.13E+00	2.79E-01	1.11E+00	3.52E+00	6.64E+00	3.68E+01
3.48E+00	1.04E-04	6.73E+01	1.12E+00	2.77E-01	1.10E+00	3.50E+00	6.59E+00	3.63E+01
3.68E+00	1.08E-04	6.67E+01	1.11E+00	2.75E-01	1.09E+00	3.47E+00	6.54E+00	3.57E+01
3.89E+00	1.13E-04	6.60E+01	1.10E+00	2.73E-01	1.08E+00	3.44E+00	6.49E+00	3.51E+01
4.12E+00	1.19E-04	6.53E+01	1.08E+00	2.71E-01	1.07E+00	3.41E+00	6.43E+00	3.45E+01
4.36E+00	1.24E-04	6.46E+01	1.07E+00	2.68E-01	1.06E+00	3.38E+00	6.37E+00	3.39E+01
4.61E+00	1.30E-04	6.38E+01	1.06E+00	2.66E-01	1.05E+00	3.35E+00	6.30E+00	3.32E+01
4.88E+00	1.36E-04	6.30E+01	1.05E+00	2.63E-01	1.04E+00	3.31E+00	6.24E+00	3.25E+01
5.17E+00	1.42E-04	6.22E+01	1.03E+00	2.60E-01	1.03E+00	3.28E+00	6.17E+00	3.18E+01
5.47E+00	1.49E-04	6.13E+01	1.02E+00	2.57E-01	1.02E+00	3.24E+00	6.10E+00	3.11E+01
5.78E+00	1.56E-04	6.04E+01	1.00E+00	2.54E-01	1.01E+00	3.20E+00	6.02E+00	3.03E+01
6.12E+00	1.63E-04	5.94E+01	9.89E-01	2.51E-01	9.93E-01	3.16E+00	5.94E+00	2.95E+01
6.48E+00	1.70E-04	5.84E+01	9.74E-01	2.48E-01	9.80E-01	3.11E+00	5.86E+00	2.87E+01
6.86E+00	1.78E-04	5.74E+01	9.57E-01	2.44E-01	9.66E-01	3.07E+00	5.77E+00	2.79E+01
7.26E+00	1.86E-04	5.63E+01	9.40E-01	2.41E-01	9.51E-01	3.02E+00	5.68E+00	2.70E+01
7.68E+00	1.95E-04	5.52E+01	9.22E-01	2.37E-01	9.36E-01	2.97E+00	5.59E+00	2.61E+01
8.13E+00	2.04E-04	5.41E+01	9.04E-01	2.34E-01	9.20E-01	2.92E+00	5.49E+00	2.52E+01
8.60E+00	2.13E-04	5.29E+01	8.85E-01	2.30E-01	9.03E-01	2.87E+00	5.39E+00	2.43E+01
9.10E+00	2.23E-04	5.16E+01	8.65E-01	2.25E-01	8.86E-01	2.82E+00	5.28E+00	2.34E+01
9.63E+00	2.33E-04	5.03E+01	8.45E-01	2.21E-01	8.68E-01	2.76E+00	5.17E+00	2.25E+01
1.00E+01	2.39E-04	4.95E+01	8.31E-01	2.18E-01	8.56E-01	2.72E+00	5.10E+00	2.18E+01
1.02E+01	2.43E-04	4.90E+01	8.24E-01	2.16E-01	8.50E-01	2.70E+00	5.06E+00	2.15E+01
1.08E+01	2.54E-04	4.77E+01	8.03E-01	2.13E-01	8.31E-01	2.64E+00	4.94E+00	2.05E+01
1.14E+01	2.65E-04	4.63E+01	7.81E-01	2.10E-01	8.11E-01	2.58E+00	4.82E+00	1.95E+01
1.21E+01	2.76E-04	4.49E+01	7.58E-01	2.05E-01	7.90E-01	2.51E+00	4.70E+00	1.86E+01
1.28E+01	2.88E-04	4.34E+01	7.34E-01	2.00E-01	7.69E-01	2.44E+00	4.57E+00	1.76E+01
1.35E+01	3.00E-04	4.19E+01	7.10E-01	1.95E-01	7.48E-01	2.37E+00	4.44E+00	1.66E+01
1.43E+01	3.12E-04	4.04E+01	6.86E-01	1.89E-01	7.26E-01	2.30E+00	4.30E+00	1.56E+01
1.51E+01	3.25E-04	3.88E+01	6.61E-01	1.83E-01	7.03E-01	2.23E+00	4.16E+00	1.46E+01
1.60E+01	3.38E-04	3.72E+01	6.35E-01	1.78E-01	6.79E-01	2.16E+00	4.02E+00	1.36E+01
1.70E+01	3.51E-04	3.56E+01	6.10E-01	1.71E-01	6.56E-01	2.08E+00	3.87E+00	1.27E+01
1.80E+01	3.65E-04	3.40E+01	5.84E-01	1.65E-01	6.31E-01	2.00E+00	3.72E+00	1.18E+01
1.90E+01	3.79E-04	3.24E+01	5.57E-01	1.59E-01	6.07E-01	1.92E+00	3.57E+00	1.08E+01

2.01E+01 3.93E-04 3.07E+01 5.31E-01 1.53E-01 5.81E-01 1.84E+00 3.42E+00 9.94E+00

2.13E+01 4.07E-04 2.91E+01 5.04E-01 1.46E-01 5.56E-01 1.76E+00 3.27E+00 9.08E+00

2.25E+01 4.22E-04 2.74E+01 4.78E-01 1.40E-01 5.31E-01 1.68E+00 3.11E+00 8.24E+00

2.38E+01 4.36E-04 2.58E+01 4.51E-01 1.34E-01 5.05E-01 1.60E+00 2.95E+00 7.45E+00

2.52E+01 4.51E-04 2.41E+01 4.25E-01 1.28E-01 4.79E-01 1.52E+00 2.80E+00 6.69E+00



2.67E+01 4.65E-04 2.25E+01 3.99E-01 1.21E-01 4.53E-01 1.43E+00 2.64E+00 5.97E+00

2.82E+01 4.80E-04 2.09E+01 3.73E-01 1.14E-01 4.27E-01 1.35E+00 2.48E+00 5.29E+00

2.99E+01 4.95E-04 1.94E+01 3.47E-01 1.08E-01 4.01E-01 1.27E+00 2.33E+00 4.83E+00

3.00E+01 4.96E-04 1.93E+01 3.45E-01 1.07E-01 3.99E-01 1.26E+00 2.32E+00 4.80E+00

3.16E+01 5.09E-04 1.79E+01 3.22E-01 1.01E-01 3.76E-01 1.18E+00 2.17E+00 4.50E+00

3.35E+01 7.68E-06 1.64E+01 2.98E-01 9.46E-02 3.51E-01 1.10E+00 2.02E+00 4.18E+00

3.54E+01 7.52E-06 1.49E+01 2.74E-01 8.83E-02 3.27E-01 1.02E+00 1.87E+00 3.86E+00

3.75E+01 7.37E-06 1.36E+01 2.51E-01 8.19E-02 3.03E-01 9.47E-01 1.73E+00 3.55E+00



3.97E+01 7.22E-06 1.22E+01 2.29E-01 7.59E-02 2.79E-01 8.71E-01 1.58E+00 3.26E+00

4.20E+01 7.08E-06 1.10E+01 2.08E-01 6.99E-02 2.56E-01 7.97E-01 1.45E+00 2.97E+00

4.44E+01 6.94E-06 9.78E+00 1.87E-01 6.41E-02 2.34E-01 7.26E-01 1.31E+00 2.69E+00

4.70E+01 6.81E-06 8.66E+00 1.68E-01 5.85E-02 2.13E-01 6.58E-01 1.19E+00 2.43E+00

4.97E+01 6.68E-06 7.62E+00 1.50E-01 5.30E-02 1.93E-01 5.93E-01 1.02E+00 2.18E+00

5.26E+01 6.56E-06 6.65E+00 1.33E-01 4.79E-02 1.74E-01 5.31E-01 9.06E-01 1.94E+00

5.57E+01 6.44E-06 5.76E+00 1.18E-01 4.30E-02 1.56E-01 4.73E-01 8.02E-01 1.71E+00

5.90E+01 6.34E-06 4.94E+00 1.03E-01 3.84E-02 1.39E-01 4.18E-01 7.05E-01 1.51E+00



6.24E+01 6.24E-06 4.21E+00 8.97E-02 3.42E-02 1.23E-01 3.66E-01 6.16E-01 1.31E+00

6.60E+01 6.14E-06 3.55E+00 7.76E-02 3.02E-02 1.08E-01 3.01E-01 5.33E-01 1.14E+00

6.99E+01 6.06E-06 2.97E+00 6.66E-02 2.66E-02 9.46E-02 2.60E-01 4.58E-01 9.75E-01

7.39E+01 5.98E-06 2.45E+00 5.68E-02 2.33E-02 8.23E-02 2.21E-01 3.90E-01 8.30E-01

7.82E+01 5.91E-06 2.01E+00 4.81E-02 2.02E-02 7.08E-02 1.83E-01 3.29E-01 7.00E-01

8.28E+01 5.84E-06 1.62E+00 4.04E-02 1.75E-02 5.99E-02 1.51E-01 2.75E-01 5.84E-01

8.76E+01 4.45E-06 1.30E+00 3.37E-02 1.51E-02 5.02E-02 1.22E-01 2.26E-01 4.83E-01

9.27E+01	4.44E-06	1.02E+00	2.80E-02	1.31E-02	3.99E-02	1.01E-01	1.83E-01	3.96E-01
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9.81E+01 4.44E-06 7.98E-01 2.31E-02 1.13E-02 3.26E-02 8.37E-02 1.47E-01 3.20E-01

1.00E+02 4.44E-06 7.32E-01 2.17E-02 1.08E-02 3.07E-02 7.84E-02 1.36E-01 2.98E-01

1.04E+02 4.43E-06 6.13E-01 1.90E-02 9.77E-03 2.72E-02 6.86E-02 1.16E-01 2.57E-01

1.10E+02    4.43E-06    4.65E-01    1.56E-02    8.44E-03    2.29E-02    5.60E-02    9.09E-02    1.96E-01

1.16E+02    4.42E-06   3.47E-01   1.28E-02   7.34E-03   1.85E-02   4.56E-02   7.14E-02   1.43E-01

1.23E+02 4.42E-06 2.55E-01 1.05E-02 6.44E-03 1.52E-02 3.70E-02 5.55E-02 1.03E-01

1.30E+02    4.41E-06    1.85E-01    8.72E-03    5.67E-03    1.36E-02    2.95E-02    4.28E-02    7.26E-02

1.38E+02 4.41E-06 1.33E-01 7.30E-03 5.02E-03 1.24E-02 2.25E-02 3.28E-02 5.07E-02



1.46E+02 4.40E-06 9.41E-02 6.20E-03 4.50E-03 1.05E-02 1.72E-02 2.53E-02 3.50E-02

1.54E+02 4.40E-06 6.61E-02 5.37E-03 4.14E-03 8.76E-03 1.47E-02 2.04E-02 2.42E-02

1.63E+02 4.39E-06 4.63E-02 4.76E-03 3.85E-03 7.50E-03 1.24E-02 1.66E-02 1.92E-02

1.73E+02 4.39E-06 3.27E-02 4.31E-03 3.64E-03 7.06E-03 1.12E-02 1.29E-02 1.55E-02

1.83E+02 4.38E-06 2.35E-02 4.00E-03 3.47E-03 6.60E-03 9.64E-03 1.13E-02 1.29E-02

1.94E+02 4.38E-06 1.75E-02 3.78E-03 3.35E-03 6.46E-03 9.16E-03 1.08E-02 1.24E-02

2.05E+02 4.37E-06 1.44E-02 3.64E-03 3.27E-03 5.90E-03 8.32E-03 1.03E-02 1.22E-02

2.17E+02 4.37E-06 1.28E-02 3.56E-03 3.22E-03 5.76E-03 7.71E-03 1.02E-02 1.12E-02



2.29E+02 4.36E-06 1.19E-02 3.51E-03 3.19E-03 5.51E-03 7.64E-03 9.83E-03 1.11E-02

2.43E+02 4.36E-06 1.18E-02 3.49E-03 3.18E-03 5.50E-03 7.62E-03 9.76E-03 1.11E-02

2.57E+02 4.35E-06 1.18E-02 3.48E-03 3.19E-03 5.48E-03 7.58E-03 9.72E-03 1.10E-02

2.72E+02 4.34E-06 1.17E-02 3.48E-03 3.19E-03 5.48E-03 7.59E-03 9.69E-03 1.11E-02

2.88E+02 4.34E-06 1.16E-02 3.49E-03 3.20E-03 5.47E-03 7.58E-03 9.68E-03 1.11E-02

3.00E+02 4.33E-06 1.16E-02 3.50E-03 3.19E-03 5.50E-03 7.57E-03 9.69E-03 1.11E-02

3.05E+02 4.33E-06 1.15E-02 3.51E-03 3.19E-03 5.52E-03 7.57E-03 9.71E-03 1.11E-02

3.22E+02 4.32E-06 1.15E-02 3.52E-03 3.18E-03 5.51E-03 7.56E-03 9.73E-03 1.11E-02



3.41E+02 4.31E-06 1.14E-02 3.54E-03 3.17E-03 5.50E-03 7.55E-03 9.79E-03 1.11E-02

3.61E+02 4.30E-06 1.13E-02 3.55E-03 3.17E-03 5.49E-03 7.54E-03 9.79E-03 1.10E-02

3.82E+02 4.29E-06 1.13E-02 3.56E-03 3.18E-03 5.50E-03 7.52E-03 9.80E-03 1.10E-02

4.04E+02 4.28E-06 1.14E-02 3.57E-03 3.19E-03 5.50E-03 7.51E-03 9.79E-03 1.10E-02

4.28E+02 4.27E-06 1.14E-02 3.58E-03 3.20E-03 5.48E-03 7.50E-03 9.72E-03 1.09E-02

4.53E+02 4.26E-06 1.15E-02 3.58E-03 3.20E-03 5.47E-03 7.49E-03 9.65E-03 1.09E-02

4.79E+02 4.25E-06 1.14E-02 3.59E-03 3.20E-03 5.47E-03 7.48E-03 9.57E-03 1.09E-02

5.07E+02 4.24E-06 1.13E-02 3.59E-03 3.22E-03 5.47E-03 7.47E-03 9.50E-03 1.08E-02



5.36E+02 4.22E-06 1.12E-02 3.59E-03 3.25E-03 5.46E-03 7.51E-03 9.41E-03 1.06E-02

5.68E+02 4.21E-06 1.11E-02 3.58E-03 3.25E-03 5.44E-03 7.49E-03 9.33E-03 1.05E-02

6.01E+02 4.19E-06 1.10E-02 3.57E-03 3.22E-03 5.43E-03 7.43E-03 9.24E-03 1.04E-02

6.36E+02 4.18E-06 1.09E-02 3.56E-03 3.24E-03 5.47E-03 7.41E-03 9.14E-03 1.03E-02

6.73E+02 4.16E-06 1.08E-02 3.54E-03 3.25E-03 5.47E-03 7.39E-03 9.14E-03 1.02E-02

7.12E+02 4.14E-06 1.07E-02 3.53E-03 3.21E-03 5.47E-03 7.37E-03 9.15E-03 1.00E-02

7.53E+02 4.13E-06 1.06E-02 3.51E-03 3.22E-03 5.57E-03 7.32E-03 9.15E-03 9.95E-03

7.97E+02 4.11E-06 1.05E-02 3.49E-03 3.19E-03 5.70E-03 7.29E-03 9.14E-03 9.92E-03



8.44E+02 4.09E-06 1.04E-02 3.47E-03 3.17E-03 5.71E-03 7.23E-03 9.06E-03 9.90E-03

8.93E+02 4.07E-06 1.03E-02 3.44E-03 3.11E-03 5.69E-03 7.18E-03 8.98E-03 9.87E-03

9.45E+02 4.04E-06 1.02E-02 3.40E-03 3.10E-03 5.61E-03 7.14E-03 8.89E-03 9.86E-03

1.00E+03 4.02E-06 1.02E-02 3.36E-03 3.05E-03 5.53E-03 7.09E-03 8.69E-03 9.86E-03

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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 CM-244.RAD

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

Repetition	Time of peak mean dose	Peak mean dose
	Years	mrem/yr
1	0.000E+00	1.419E+00
2	0.000E+00	1.449E+00
3	0.000E+00	1.311E+00

Title : RESRAD Default Parameters  
Input File : FCS BURIED PIPE INSITU UA CM-244.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	4	0.07	4	0.07	8	0.07	8	0.03
Contaminated zone b parameter	7	-0.06	7	-0.06	13	0.05	13	0.02
Evapotranspiration coefficient	5	0.06	5	0.06	7	0.08	7	0.03
Wind Speed	13	-0.03	13	-0.03	11	-0.06	11	-0.02
Runoff coefficient	14	0.02	14	0.02	6	-0.08	6	-0.03
b Parameter of Unsaturated zone 1	6	-0.06	6	-0.06	18	0.00	18	0.00
Mass loading for inhalation	15	0.01	15	0.01	9	0.07	9	0.03
Indoor dust filtration factor	17	0.00	17	0.00	14	-0.04	14	-0.02
Depth of soil mixing layer	2	0.08	2	0.08	16	0.02	16	0.01
Depth of roots	11	-0.03	11	-0.03	2	0.79	2	0.53
Wet weight crop yield of fruit, grain and non-leafy vegetables	18	0.00	18	0.00	12	-0.05	12	-0.02
Weathering removal constant of all vegetation	3	-0.07	3	-0.07	4	-0.14	4	-0.06
Wet foliar interception fraction of leafy vegetables	8	0.05	8	0.05	15	-0.02	15	-0.01
Humidity in air	10	0.03	10	0.03	5	-0.11	5	-0.05
Cover erosion rate	16	-0.01	16	-0.01	17	0.00	17	0.00
Kd of Cm-244 in Contaminated Zone	9	-0.04	9	-0.04	1	-0.86	1	-0.70
Kd of Cm-244 in Saturated Zone	12	-0.03	12	-0.03	10	-0.06	10	-0.03
Well pump intake depth	1	-0.10	1	-0.10	3	-0.41	3	-0.19
R-SQUARE		0.05		0.05		0.83		0.83

-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 CM-244.RAD

Coefficients for peak All Pathways Dose

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

Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
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Contaminated zone erosion rate	10	-0.03	10	-0.03	12	0.02	12	0.01
Contaminated zone b parameter	15	0.02	15	0.02	15	0.01	15	0.00
Evapotranspiration coefficient	8	-0.06	8	-0.05	7	0.05	7	0.02
Wind Speed	7	0.06	7	0.05	6	-0.06	6	-0.03
Runoff coefficient	9	0.04	9	0.04	8	0.05	8	0.02
b Parameter of Unsaturated zone 1	11	0.03	11	0.03	10	0.04	10	0.02
Mass loading for inhalation	16	0.02	16	0.02	5	-0.07	5	-0.03
Indoor dust filtration factor	4	0.08	4	0.07	16	0.00	16	0.00
Depth of soil mixing layer	6	0.06	6	0.06	11	0.03	11	0.01
Depth of roots	14	0.02	14	0.02	2	0.79	2	0.59
Wet weight crop yield of fruit, grain and non-leafy vegetables	18	-0.01	18	-0.01	14	0.01	14	0.00
Weathering removal constant of all vegetation	3	0.09	3	0.08	17	0.00	17	0.00
Wet foliar interception fraction of leafy vegetables	2	-0.16	2	-0.15	9	0.05	9	0.02
Humidity in air	12	-0.02	13	-0.02	4	0.07	4	0.03
Cover erosion rate	1	0.37	1	0.37	13	0.02	13	0.01
Kd of Cm-244 in Contaminated Zone	13	-0.02	12	-0.02	1	-0.82	1	-0.64
Kd of Cm-244 in Saturated Zone	17	-0.01	17	-0.01	18	0.00	18	0.00
Well pump intake depth	5	-0.08	5	-0.07	3	-0.41	3	-0.21

R-SQUARE	0.19	0.19	0.79	0.79
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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 CM-244.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	14	-0.01	13	-0.01	6	0.13	6	0.06
Contaminated zone b parameter	8	-0.05	8	-0.05	14	-0.03	14	-0.02
Evapotranspiration coefficient	4	-0.07	4	-0.07	13	-0.03	13	-0.02
Wind Speed	2	-0.12	2	-0.11	12	-0.03	12	-0.02
Runoff coefficient	12	0.02	12	0.02	16	0.02	16	0.01
b Parameter of Unsaturated zone 1	7	-0.05	7	-0.05	10	0.04	10	0.02
Mass loading for inhalation	11	0.02	11	0.02	7	0.09	7	0.04
Indoor dust filtration factor	6	-0.06	6	-0.06	4	0.13	4	0.06
Depth of soil mixing layer	3	-0.11	3	-0.11	18	-0.01	18	-0.01
Depth of roots	15	-0.01	16	-0.01	2	0.73	2	0.52
Wet weight crop yield of fruit, grain and non-leafy vegetables	9	-0.03	9	-0.03	17	0.02	17	0.01
Weathering removal constant of all vegetation	5	-0.07	5	-0.07	11	0.04	11	0.02
Wet foliar interception fraction of leafy vegetables	18	0.00	18	0.00	8	0.08	8	0.04
Humidity in air	13	-0.01	14	-0.01	9	0.05	9	0.03
Cover erosion rate	16	-0.01	15	-0.01	5	0.13	5	0.06
Kd of Cm-244 in Contaminated Zone	17	-0.01	17	-0.01	1	-0.81	1	-0.66
Kd of Cm-244 in Saturated Zone	10	-0.03	10	-0.03	15	0.03	15	0.01
Well pump intake depth	1	-0.13	1	-0.13	3	-0.39	3	-0.20

R-SQUARE	0.06	0.06	0.77	0.77
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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.