

Probabilistic results summary : RESRAD Default Parameters

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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(3)	LOGNORMAL-N	5.99	1.39																
17	DCACTS(3)	LOGNORMAL-N	5.99	1.39																
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		
Pu-238												
Min	0.00E+00	1.87E-04	1.55E-05	1.70E-05	2.01E-05	2.99E-05	2.27E-05	1.31E-05	7.59E-08	1.28E-09		
Max	4.81E+02	4.10E-01	4.10E-01	2.73E-01	2.13E-01	3.30E-01	2.10E-01	1.33E-01	9.76E-03	1.19E-05		
Avg	1.81E+01	2.11E-02	1.78E-02	1.69E-02	1.57E-02	1.40E-02	1.14E-02	6.83E-03	1.11E-03	1.64E-06		
Std	4.82E+01	3.34E-02	2.87E-02	2.36E-02	1.92E-02	1.84E-02	1.63E-02	1.11E-02	1.26E-03	2.02E-06		
ALL												
Min	0.00E+00	1.87E-04	1.55E-05	1.70E-05	2.01E-05	2.99E-05	2.27E-05	1.31E-05	7.59E-08	1.28E-09		
Max	4.81E+02	4.10E-01	4.10E-01	2.73E-01	2.13E-01	3.30E-01	2.10E-01	1.33E-01	9.76E-03	1.19E-05		
Avg	1.81E+01	2.11E-02	1.78E-02	1.69E-02	1.57E-02	1.40E-02	1.14E-02	6.83E-03	1.11E-03	1.64E-06		
Std	4.82E+01	3.34E-02	2.87E-02	2.36E-02	1.92E-02	1.84E-02	1.63E-02	1.11E-02	1.26E-03	2.02E-06		

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)							
	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/>								
Pu-238								
Min	1.84E-11	2.04E-11	2.42E-11	3.67E-11	2.92E-11	1.68E-11	5.79E-13	1.69E-14
Max	6.51E-07	3.92E-07	2.80E-07	4.06E-07	2.77E-07	1.76E-07	1.25E-08	2.18E-11
Avg	2.54E-08	2.39E-08	2.21E-08	1.94E-08	1.57E-08	9.15E-09	1.49E-09	2.52E-12
Std	4.12E-08	3.27E-08	2.54E-08	2.35E-08	2.08E-08	1.41E-08	1.64E-09	2.97E-12
<hr/>								
ALL								
Min	1.84E-11	2.04E-11	2.42E-11	3.67E-11	2.92E-11	1.68E-11	5.79E-13	1.69E-14
Max	6.51E-07	3.92E-07	2.80E-07	4.06E-07	2.77E-07	1.76E-07	1.25E-08	2.18E-11
Avg	2.54E-08	2.39E-08	2.21E-08	1.94E-08	1.57E-08	9.15E-09	1.49E-09	2.52E-12
Std	4.12E-08	3.27E-08	2.54E-08	2.35E-08	2.08E-08	1.41E-08	1.64E-09	2.97E-12
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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
Pu-238								
Min	5.98E-20	3.60E-20	1.54E-19	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	3.76E-18	7.24E-16	2.69E-11	5.60E-05	4.62E-05	2.79E-05	5.66E-06	3.16E-07
Avg	1.24E-19	1.97E-18	4.29E-14	2.14E-07	3.13E-07	1.46E-07	7.00E-08	2.31E-09
Std	1.88E-19	2.92E-17	9.36E-13	2.89E-06	3.41E-06	1.81E-06	5.01E-07	1.69E-08
ALL								
Min	5.98E-20	3.60E-20	1.54E-19	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	3.76E-18	7.24E-16	2.69E-11	5.60E-05	4.62E-05	2.79E-05	5.66E-06	3.16E-07
Avg	1.24E-19	1.97E-18	4.29E-14	2.14E-07	3.13E-07	1.46E-07	7.00E-08	2.31E-09
Std	1.88E-19	2.92E-17	9.36E-13	2.89E-06	3.41E-06	1.81E-06	5.01E-07	1.69E-08

ALL is total pathway dose summed for all nuclides.

Probabilistic results summary : RESRAD Default Parameters

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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
Pu-238								
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	7.27E-04	3.19E-04	2.47E-04	6.98E-05	2.00E-07
Avg	0.00E+00	0.00E+00	0.00E+00	2.97E-06	1.60E-06	9.41E-07	1.04E-06	1.98E-09
Std	0.00E+00	0.00E+00	0.00E+00	3.82E-05	1.88E-05	1.16E-05	5.26E-06	1.38E-08
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	7.27E-04	3.19E-04	2.47E-04	6.98E-05	2.00E-07
Avg	0.00E+00	0.00E+00	0.00E+00	2.97E-06	1.60E-06	9.41E-07	1.04E-06	1.98E-09
Std	0.00E+00	0.00E+00	0.00E+00	3.82E-05	1.88E-05	1.16E-05	5.26E-06	1.38E-08

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
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Pu-238								
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
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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
Pu-238								
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	1.74E-02	1.72E-02	1.69E-02	5.64E-02	1.80E-02	1.07E-02	3.41E-03	8.79E-06
Avg	6.75E-03	6.54E-03	6.17E-03	5.30E-03	3.62E-03	1.52E-03	1.96E-04	1.60E-07
Std	4.59E-03	4.48E-03	4.31E-03	4.27E-03	3.21E-03	1.84E-03	3.79E-04	6.15E-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	1.74E-02	1.72E-02	1.69E-02	5.64E-02	1.80E-02	1.07E-02	3.41E-03	8.79E-06
Avg	6.75E-03	6.54E-03	6.17E-03	5.30E-03	3.62E-03	1.52E-03	1.96E-04	1.60E-07
Std	4.59E-03	4.48E-03	4.31E-03	4.27E-03	3.21E-03	1.84E-03	3.79E-04	6.15E-07

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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
Pu-238								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	2.86E-06	2.83E-06	2.78E-06	2.73E-04	1.26E-04	7.89E-05	2.89E-05	9.57E-08
Avg	1.11E-06	1.08E-06	1.02E-06	2.15E-06	1.33E-06	7.39E-07	5.64E-07	1.11E-09
Std	7.57E-07	7.39E-07	7.09E-07	1.45E-05	8.10E-06	5.49E-06	2.52E-06	6.76E-09
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	2.86E-06	2.83E-06	2.78E-06	2.73E-04	1.26E-04	7.89E-05	2.89E-05	9.57E-08
Avg	1.11E-06	1.08E-06	1.02E-06	2.15E-06	1.33E-06	7.39E-07	5.64E-07	1.11E-09
Std	7.57E-07	7.39E-07	7.09E-07	1.45E-05	8.10E-06	5.49E-06	2.52E-06	6.76E-09

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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
<hr/>								
Pu-238								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	2.91E-07	2.88E-07	2.83E-07	1.28E-05	5.56E-06	3.47E-06	1.32E-06	1.96E-08
Avg	1.13E-07	1.10E-07	1.04E-07	1.45E-07	9.29E-08	4.72E-08	2.71E-08	1.32E-10
Std	7.70E-08	7.51E-08	7.22E-08	6.60E-07	3.60E-07	2.46E-07	1.15E-07	1.03E-09
<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	2.91E-07	2.88E-07	2.83E-07	1.28E-05	5.56E-06	3.47E-06	1.32E-06	1.96E-08
Avg	1.13E-07	1.10E-07	1.04E-07	1.45E-07	9.29E-08	4.72E-08	2.71E-08	1.32E-10
Std	7.70E-08	7.51E-08	7.22E-08	6.60E-07	3.60E-07	2.46E-07	1.15E-07	1.03E-09
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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
<hr/>								
Pu-238								
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	7.36E-03	3.16E-03	1.98E-03	7.23E-04	2.40E-06
Avg	0.00E+00	0.00E+00	0.00E+00	3.25E-05	1.84E-05	1.23E-05	1.34E-05	2.67E-08
Std	0.00E+00	0.00E+00	0.00E+00	3.70E-04	2.02E-04	1.37E-04	6.27E-05	1.66E-07
<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	7.36E-03	3.16E-03	1.98E-03	7.23E-04	2.40E-06
Avg	0.00E+00	0.00E+00	0.00E+00	3.25E-05	1.84E-05	1.23E-05	1.34E-05	2.67E-08
Std	0.00E+00	0.00E+00	0.00E+00	3.70E-04	2.02E-04	1.37E-04	6.27E-05	1.66E-07
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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							
	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/>								
Pu-238								
Min	1.44E-05	1.58E-05	1.87E-05	2.78E-05	1.94E-05	1.12E-05	7.29E-08	1.23E-09
Max	3.90E-01	2.35E-01	1.69E-01	3.04E-01	1.59E-01	1.20E-01	8.51E-03	9.76E-06
Avg	1.01E-02	9.44E-03	8.69E-03	7.86E-03	7.13E-03	4.84E-03	8.26E-04	1.33E-06
Std	2.59E-02	2.11E-02	1.71E-02	1.65E-02	1.47E-02	9.96E-03	1.13E-03	1.71E-06
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ALL								
Min	1.44E-05	1.58E-05	1.87E-05	2.78E-05	1.94E-05	1.12E-05	7.29E-08	1.23E-09
Max	3.90E-01	2.35E-01	1.69E-01	3.04E-01	1.59E-01	1.20E-01	8.51E-03	9.76E-06
Avg	1.01E-02	9.44E-03	8.69E-03	7.86E-03	7.13E-03	4.84E-03	8.26E-04	1.33E-06
Std	2.59E-02	2.11E-02	1.71E-02	1.65E-02	1.47E-02	9.96E-03	1.13E-03	1.71E-06
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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
<hr/>								
Pu-238								
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
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ALL is total pathway dose summed for all nuclides.

Probabilistic results summary : RESRAD Default Parameters

File : C:\USERS\DNF\DOCUMENTS\FT CALHOUN\RESRAD INPUT FILES\BP INSITU UA\FCS BURIED PIPE INSITU UA PU-238.RAD

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
Pu-238									
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 PU-238.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
<hr/>								
Pu-238								
Min	1.04E-06	1.05E-06	1.06E-06	1.11E-06	1.21E-06	7.53E-07	2.71E-09	4.53E-11
Max	5.05E-02	4.92E-02	4.98E-02	5.12E-02	4.99E-02	3.19E-02	1.31E-03	2.55E-06
Avg	9.45E-04	8.89E-04	8.28E-04	7.53E-04	6.78E-04	4.63E-04	7.60E-05	1.22E-07
Std	3.07E-03	2.76E-03	2.47E-03	2.34E-03	2.18E-03	1.45E-03	1.33E-04	2.05E-07
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ALL								
Min	1.04E-06	1.05E-06	1.06E-06	1.11E-06	1.21E-06	7.53E-07	2.71E-09	4.53E-11
Max	5.05E-02	4.92E-02	4.98E-02	5.12E-02	4.99E-02	3.19E-02	1.31E-03	2.55E-06
Avg	9.45E-04	8.89E-04	8.28E-04	7.53E-04	6.78E-04	4.63E-04	7.60E-05	1.22E-07
Std	3.07E-03	2.76E-03	2.47E-03	2.34E-03	2.18E-03	1.45E-03	1.33E-04	2.05E-07
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ALL is total pathway dose summed for all nuclides.

Probabilistic results summary : RESRAD Default Parameters

File : C:\USERS\DNF\DOCUMENTS\FT CALHOUN\RESRAD INPUT FILES\BP INSITU UA\FCS BURIED PIPE INSITU UA PU-238.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
<hr/>								
Pu-238								
Min	1.82E-09	2.00E-09	2.36E-09	3.53E-09	3.02E-09	1.60E-09	2.92E-11	1.89E-12
Max	4.71E-05	3.31E-05	2.63E-05	3.81E-05	2.64E-05	1.69E-05	1.22E-06	1.44E-09
Avg	1.36E-06	1.27E-06	1.17E-06	1.05E-06	9.58E-07	6.54E-07	1.11E-07	2.17E-10
Std	3.48E-06	2.88E-06	2.35E-06	2.24E-06	2.04E-06	1.41E-06	1.54E-07	2.45E-10
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ALL								
Min	1.82E-09	2.00E-09	2.36E-09	3.53E-09	3.02E-09	1.60E-09	2.92E-11	1.89E-12
Max	4.71E-05	3.31E-05	2.63E-05	3.81E-05	2.64E-05	1.69E-05	1.22E-06	1.44E-09
Avg	1.36E-06	1.27E-06	1.17E-06	1.05E-06	9.58E-07	6.54E-07	1.11E-07	2.17E-10
Std	3.48E-06	2.88E-06	2.35E-06	2.24E-06	2.04E-06	1.41E-06	1.54E-07	2.45E-10
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ALL is total pathway dose summed for all nuclides.

Probabilistic results summary : RESRAD Default Parameters

File : C:\USERS\DNF\DOCUMENTS\FT CALHOUN\RESRAD INPUT FILES\BP INSITU UA\FCS BURIED PIPE INSITU UA PU-238.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
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Pu-238								
Min	1.26E-10	1.43E-10	1.77E-10	2.91E-10	2.42E-10	1.57E-10	6.45E-11	8.01E-13
Max	3.02E-06	2.38E-06	2.00E-06	2.58E-06	2.01E-06	1.29E-06	9.43E-08	1.64E-09
Avg	9.46E-08	8.84E-08	8.15E-08	7.38E-08	6.75E-08	4.75E-08	1.07E-08	1.03E-10
Std	2.41E-07	2.02E-07	1.67E-07	1.58E-07	1.46E-07	1.02E-07	1.19E-08	1.57E-10
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ALL								
Min	1.26E-10	1.43E-10	1.77E-10	2.91E-10	2.42E-10	1.57E-10	6.45E-11	8.01E-13
Max	3.02E-06	2.38E-06	2.00E-06	2.58E-06	2.01E-06	1.29E-06	9.43E-08	1.64E-09
Avg	9.46E-08	8.84E-08	8.15E-08	7.38E-08	6.75E-08	4.75E-08	1.07E-08	1.03E-10
Std	2.41E-07	2.02E-07	1.67E-07	1.58E-07	1.46E-07	1.02E-07	1.19E-08	1.57E-10
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ALL is total pathway dose summed for all nuclides.

Probabilistic results summary: RESRAD Default Parameters

File : C:\USERS\DNF\DOCUMENTS\FT CALHOUN\RESRAD INPUT FILES\BP INSITU UA\FCS BURIED PIPE INSITU UA PU-238.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	5.09E-04	5.26E-04	5.30E-04	5.88E-04	5.83E-04	2.34E-04	1.42E-05	5.74E-09
0.050	1.14E-03	1.13E-03	1.16E-03	1.17E-03	1.04E-03	4.16E-04	4.14E-05	8.06E-09
0.075	1.75E-03	1.83E-03	1.92E-03	2.01E-03	1.38E-03	6.62E-04	5.99E-05	1.09E-08
0.100	2.60E-03	2.62E-03	2.74E-03	3.02E-03	1.91E-03	8.47E-04	8.89E-05	1.39E-08
0.125	4.08E-03	4.08E-03	4.15E-03	4.30E-03	2.99E-03	1.11E-03	1.19E-04	1.90E-08
0.150	5.44E-03	5.45E-03	5.44E-03	5.27E-03	3.54E-03	1.36E-03	1.53E-04	2.53E-08
0.175	6.10E-03	6.10E-03	6.05E-03	5.78E-03	4.08E-03	1.57E-03	1.79E-04	4.17E-08
0.200	6.47E-03	6.47E-03	6.41E-03	6.03E-03	4.51E-03	1.85E-03	2.23E-04	8.01E-08
0.225	6.82E-03	6.83E-03	6.73E-03	6.32E-03	4.83E-03	2.17E-03	2.70E-04	1.23E-07
0.250	7.18E-03	7.21E-03	7.23E-03	6.66E-03	5.06E-03	2.38E-03	3.03E-04	1.69E-07
0.275	7.69E-03	7.67E-03	7.57E-03	7.00E-03	5.37E-03	2.49E-03	3.41E-04	2.19E-07
0.300	8.08E-03	8.01E-03	7.99E-03	7.39E-03	5.70E-03	2.63E-03	3.77E-04	2.78E-07
0.325	8.50E-03	8.46E-03	8.48E-03	7.71E-03	5.91E-03	2.77E-03	4.23E-04	3.23E-07
0.350	8.96E-03	8.86E-03	8.83E-03	8.12E-03	6.26E-03	2.91E-03	4.71E-04	3.78E-07
0.375	9.41E-03	9.34E-03	9.22E-03	8.49E-03	6.46E-03	3.03E-03	5.05E-04	4.66E-07
0.400	9.67E-03	9.62E-03	9.52E-03	8.82E-03	6.70E-03	3.18E-03	5.35E-04	5.42E-07
0.425	1.02E-02	1.00E-02	1.00E-02	9.03E-03	7.01E-03	3.42E-03	5.68E-04	6.37E-07
0.450	1.05E-02	1.07E-02	1.04E-02	9.48E-03	7.18E-03	3.62E-03	5.97E-04	7.10E-07
0.475	1.11E-02	1.10E-02	1.08E-02	9.78E-03	7.48E-03	3.83E-03	6.37E-04	8.18E-07
0.500	1.16E-02	1.14E-02	1.12E-02	1.01E-02	7.68E-03	4.05E-03	6.87E-04	9.28E-07
0.525	1.20E-02	1.19E-02	1.16E-02	1.05E-02	7.96E-03	4.22E-03	7.34E-04	1.03E-06
0.550	1.26E-02	1.25E-02	1.21E-02	1.08E-02	8.32E-03	4.40E-03	7.98E-04	1.12E-06
0.575	1.30E-02	1.28E-02	1.25E-02	1.14E-02	8.65E-03	4.65E-03	8.53E-04	1.27E-06
0.600	1.34E-02	1.34E-02	1.29E-02	1.18E-02	9.01E-03	4.93E-03	8.96E-04	1.42E-06
0.625	1.41E-02	1.39E-02	1.36E-02	1.22E-02	9.48E-03	5.22E-03	9.99E-04	1.59E-06
0.650	1.47E-02	1.45E-02	1.41E-02	1.27E-02	9.87E-03	5.47E-03	1.06E-03	1.71E-06
0.675	1.54E-02	1.55E-02	1.51E-02	1.34E-02	1.03E-02	5.74E-03	1.11E-03	1.86E-06
0.700	1.65E-02	1.62E-02	1.59E-02	1.41E-02	1.11E-02	6.28E-03	1.20E-03	2.00E-06
0.725	1.72E-02	1.69E-02	1.64E-02	1.47E-02	1.15E-02	6.79E-03	1.32E-03	2.12E-06
0.750	1.80E-02	1.78E-02	1.72E-02	1.52E-02	1.24E-02	7.34E-03	1.46E-03	2.29E-06
0.775	1.88E-02	1.87E-02	1.79E-02	1.60E-02	1.30E-02	7.78E-03	1.61E-03	2.49E-06
0.800	2.07E-02	2.03E-02	1.92E-02	1.68E-02	1.38E-02	8.51E-03	1.76E-03	2.73E-06
0.825	2.25E-02	2.20E-02	2.07E-02	1.84E-02	1.51E-02	9.17E-03	1.89E-03	3.18E-06
0.850	2.41E-02	2.37E-02	2.27E-02	1.96E-02	1.64E-02	1.00E-02	2.06E-03	3.40E-06
0.875	2.74E-02	2.58E-02	2.49E-02	2.24E-02	1.85E-02	1.14E-02	2.27E-03	3.67E-06
0.900	3.27E-02	3.15E-02	2.90E-02	2.57E-02	2.10E-02	1.31E-02	2.65E-03	4.28E-06
0.925	3.81E-02	3.67E-02	3.41E-02	2.90E-02	2.47E-02	1.66E-02	3.05E-03	4.83E-06
0.950	5.09E-02	4.88E-02	4.51E-02	3.69E-02	2.94E-02	2.07E-02	3.86E-03	5.95E-06
0.975	7.83E-02	6.63E-02	6.78E-02	5.34E-02	4.40E-02	3.48E-02	5.04E-03	7.74E-06
1.000	4.10E-01	2.73E-01	2.13E-01	3.30E-01	2.10E-01	1.33E-01	9.76E-03	1.19E-05

Probabilistic results summary : RESRAD Default Parameters

File : C:\USERS\DNF\DOCUMENTS\FT CALHOUN\RESRAD INPUT FILES\BP INSITU UA\FCS BURIED PIPE INSITU UA PU-238.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	6.65E-05	2.59E-01	1.80E-02	1.16E-02	3.26E-02	5.45E-02	8.16E-02	2.04E-01
1.00E+00	6.66E-05	2.13E-01	1.72E-02	1.15E-02	3.25E-02	5.08E-02	6.94E-02	1.54E-01
1.06E+00	6.66E-05	2.11E-01	1.72E-02	1.15E-02	3.24E-02	5.06E-02	6.93E-02	1.51E-01
1.12E+00	6.66E-05	2.10E-01	1.72E-02	1.15E-02	3.23E-02	5.05E-02	6.93E-02	1.49E-01
1.19E+00	6.66E-05	2.10E-01	1.71E-02	1.16E-02	3.22E-02	5.04E-02	6.92E-02	1.46E-01
1.25E+00	6.66E-05	2.09E-01	1.71E-02	1.16E-02	3.21E-02	5.03E-02	6.91E-02	1.43E-01
1.33E+00	6.66E-05	2.08E-01	1.70E-02	1.15E-02	3.20E-02	5.02E-02	6.90E-02	1.41E-01
1.40E+00	6.66E-05	2.07E-01	1.70E-02	1.15E-02	3.19E-02	5.03E-02	6.89E-02	1.38E-01
1.49E+00	6.66E-05	2.06E-01	1.69E-02	1.15E-02	3.20E-02	5.12E-02	6.88E-02	1.36E-01
1.57E+00	6.66E-05	2.05E-01	1.69E-02	1.15E-02	3.24E-02	5.20E-02	6.88E-02	1.35E-01
1.66E+00	6.66E-05	2.04E-01	1.68E-02	1.15E-02	3.23E-02	5.08E-02	6.87E-02	1.35E-01
1.76E+00	6.66E-05	2.02E-01	1.67E-02	1.15E-02	3.23E-02	4.97E-02	6.86E-02	1.34E-01
1.86E+00	6.66E-05	2.01E-01	1.67E-02	1.15E-02	3.23E-02	4.92E-02	6.84E-02	1.33E-01
1.97E+00	6.66E-05	2.00E-01	1.66E-02	1.15E-02	3.24E-02	4.78E-02	6.83E-02	1.32E-01
2.09E+00	6.66E-05	1.98E-01	1.65E-02	1.14E-02	3.25E-02	4.70E-02	6.81E-02	1.31E-01
2.21E+00	6.66E-05	1.97E-01	1.65E-02	1.14E-02	3.26E-02	4.68E-02	6.80E-02	1.30E-01
2.24E+00	6.66E-05	1.95E-01	1.64E-02	1.14E-02	3.27E-02	4.66E-02	6.83E-02	1.29E-01
2.27E+00	6.66E-05	1.94E-01	1.63E-02	1.13E-02	3.29E-02	4.65E-02	6.93E-02	1.27E-01
2.26E+00	6.67E-05	1.92E-01	1.62E-02	1.13E-02	3.30E-02	4.63E-02	7.02E-02	1.26E-01
2.27E+00	6.67E-05	1.90E-01	1.62E-02	1.13E-02	3.28E-02	4.61E-02	7.12E-02	1.25E-01
2.29E+00	6.67E-05	1.88E-01	1.61E-02	1.13E-02	3.26E-02	4.59E-02	7.22E-02	1.24E-01
3.00E+00	6.67E-05	1.88E-01	1.60E-02	1.13E-02	3.24E-02	4.58E-02	7.26E-02	1.23E-01
3.10E+00	6.67E-05	1.87E-01	1.60E-02	1.13E-02	3.22E-02	4.56E-02	7.28E-02	1.22E-01
3.28E+00	6.67E-05	1.85E-01	1.59E-02	1.12E-02	3.19E-02	4.54E-02	7.19E-02	1.21E-01
3.48E+00	6.67E-05	1.82E-01	1.58E-02	1.12E-02	3.16E-02	4.52E-02	7.16E-02	1.19E-01
3.68E+00	6.67E-05	1.80E-01	1.58E-02	1.12E-02	3.03E-02	4.73E-02	7.26E-02	1.18E-01
3.89E+00	6.67E-05	1.78E-01	1.57E-02	1.12E-02	3.00E-02	4.71E-02	7.27E-02	1.16E-01
4.12E+00	6.67E-05	1.75E-01	1.56E-02	1.12E-02	3.00E-02	4.69E-02	7.10E-02	1.14E-01
4.36E+00	6.67E-05	1.73E-01	1.55E-02	1.12E-02	2.99E-02	4.66E-02	7.15E-02	1.12E-01
4.61E+00	6.67E-05	1.70E-01	1.54E-02	1.11E-02	2.95E-02	4.63E-02	7.10E-02	1.10E-01
4.88E+00	6.68E-05	1.68E-01	1.53E-02	1.11E-02	2.90E-02	4.60E-02	6.98E-02	1.06E-01
5.17E+00	6.68E-05	1.65E-01	1.52E-02	1.10E-02	2.87E-02	4.57E-02	6.91E-02	1.01E-01
5.47E+00	6.68E-05	1.62E-01	1.51E-02	1.10E-02	2.86E-02	4.53E-02	6.85E-02	9.79E-02
5.78E+00	6.68E-05	1.59E-01	1.50E-02	1.09E-02	2.86E-02	4.50E-02	6.79E-02	1.01E-01
6.12E+00	6.68E-05	1.56E-01	1.49E-02	1.09E-02	2.85E-02	4.46E-02	6.66E-02	1.00E-01
6.48E+00	6.68E-05	1.52E-01	1.48E-02	1.08E-02	2.85E-02	4.30E-02	6.49E-02	9.81E-02
6.86E+00	6.68E-05	1.49E-01	1.47E-02	1.08E-02	2.84E-02	4.16E-02	6.35E-02	9.58E-02
7.26E+00	6.68E-05	1.46E-01	1.46E-02	1.07E-02	2.84E-02	4.12E-02	6.33E-02	9.80E-02
7.68E+00	6.69E-05	1.42E-01	1.45E-02	1.07E-02	2.81E-02	4.07E-02	6.23E-02	1.00E-01
8.13E+00	6.69E-05	1.38E-01	1.44E-02	1.05E-02	2.79E-02	4.03E-02	6.10E-02	1.02E-01
8.60E+00	6.69E-05	1.35E-01	1.43E-02	1.05E-02	2.81E-02	4.09E-02	5.97E-02	1.04E-01
9.10E+00	6.69E-05	1.31E-01	1.41E-02	1.03E-02	2.79E-02	4.15E-02	5.83E-02	1.07E-01
9.63E+00	6.69E-05	1.27E-01	1.40E-02	1.02E-02	2.73E-02	3.94E-02	5.80E-02	1.09E-01
1.00E+01	6.69E-05	1.29E-01	1.40E-02	1.01E-02	2.71E-02	3.92E-02	5.84E-02	1.10E-01
1.02E+01	6.69E-05	1.30E-01	1.39E-02	1.01E-02	2.70E-02	3.92E-02	5.82E-02	1.11E-01
1.08E+01	6.69E-05	1.33E-01	1.38E-02	1.00E-02	2.69E-02	3.91E-02	5.75E-02	1.13E-01
1.14E+01	6.69E-05	1.36E-01	1.37E-02	9.94E-03	2.69E-02	3.89E-02	5.67E-02	1.14E-01
1.21E+01	6.69E-05	1.39E-01	1.36E-02	9.81E-03	2.67E-02	3.87E-02	5.59E-02	1.10E-01
1.28E+01	6.69E-05	1.42E-01	1.35E-02	9.75E-03	2.69E-02	3.64E-02	5.51E-02	1.06E-01
1.35E+01	6.69E-05	1.45E-01	1.33E-02	9.65E-03	2.68E-02	3.55E-02	5.44E-02	1.01E-01
1.43E+01	6.69E-05	1.48E-01	1.32E-02	9.58E-03	2.68E-02	3.49E-02	5.40E-02	9.69E-02
1.51E+01	6.69E-05	1.51E-01	1.31E-02	9.50E-03	2.69E-02	3.43E-02	5.41E-02	9.26E-02
1.60E+01	6.69E-05	1.54E-01	1.29E-02	9.45E-03	2.68E-02	3.44E-02	5.39E-02	8.83E-02
1.70E+01	6.69E-05	1.56E-01	1.28E-02	9.32E-03	2.65E-02	3.44E-02	5.19E-02	8.40E-02
1.80E+01	6.69E-05	1.59E-01	1.27E-02	9.04E-03	2.53E-02	3.37E-02	5.05E-02	8.23E-02
1.90E+01	6.69E-05	1.61E-01	1.25E-02	8.91E-03	2.49E-02	3.29E-02	4.98E-02	8.28E-02

2.01E+01 6.68E-05 1.63E-01 1.24E-02 8.69E-03 2.53E-02 3.23E-02 4.90E-02 8.46E-02

2.13E+01 6.68E-05 1.65E-01 1.22E-02 8.56E-03 2.44E-02 3.29E-02 4.85E-02 8.63E-02

2.25E+01 6.67E-05 1.66E-01 1.21E-02 8.43E-03 2.34E-02 3.22E-02 4.79E-02 8.81E-02

2.38E+01 6.67E-05 1.68E-01 1.19E-02 8.31E-03 2.31E-02 3.21E-02 4.73E-02 8.98E-02

2.52E+01 6.66E-05 1.69E-01 1.18E-02 8.20E-03 2.29E-02 3.17E-02 4.67E-02 9.15E-02

2.67E+01 6.66E-05 1.70E-01 1.16E-02 8.07E-03 2.27E-02 3.20E-02 4.60E-02 9.31E-02

2.82E+01 6.65E-05 1.70E-01 1.15E-02 7.83E-03 2.25E-02 3.20E-02 4.53E-02 9.47E-02

2.99E+01 6.64E-05 1.70E-01 1.13E-02 7.77E-03 2.23E-02 3.16E-02 4.39E-02 9.62E-02

3.00E+01 6.63E-05 1.70E-01 1.13E-02 7.76E-03 2.22E-02 3.16E-02 4.38E-02 9.63E-02

3.16E+01 2.52E-05 1.70E-01 1.12E-02 7.53E-03 2.20E-02 3.12E-02 4.28E-02 9.76E-02

3.35E+01 2.49E-05 1.70E-01 1.10E-02 7.44E-03 2.08E-02 3.08E-02 4.23E-02 9.89E-02

3.54E+01 2.45E-05 1.69E-01 1.09E-02 7.29E-03 2.10E-02 3.07E-02 4.22E-02 1.00E-01

3.75E+01 2.41E-05 1.68E-01 1.07E-02 7.17E-03 2.08E-02 3.11E-02 4.26E-02 1.01E-01

3.97E+01 2.37E-05 1.67E-01 1.05E-02 7.05E-03 2.07E-02 2.97E-02 4.29E-02 1.02E-01

4.20E+01 2.33E-05 1.65E-01 1.03E-02 6.88E-03 2.06E-02 2.88E-02 4.28E-02 1.03E-01

4.44E+01 2.28E-05 1.63E-01 1.02E-02 6.78E-03 2.02E-02 2.82E-02 4.22E-02 1.03E-01

4.70E+01 2.24E-05 1.61E-01 9.96E-03 6.62E-03 1.95E-02 2.77E-02 4.16E-02 1.04E-01

4.97E+01 2.19E-05 1.58E-01 9.76E-03 6.58E-03 1.88E-02 2.71E-02 4.10E-02 1.04E-01

5.26E+01 2.14E-05 1.56E-01 9.55E-03 6.37E-03 1.85E-02 2.65E-02 4.03E-02 1.04E-01

5.57E+01 2.09E-05 1.53E-01 9.35E-03 6.21E-03 1.83E-02 2.61E-02 3.95E-02 1.04E-01

5.90E+01 2.03E-05 1.49E-01 9.17E-03 6.05E-03 1.75E-02 2.58E-02 3.87E-02 1.03E-01

6.24E+01 1.98E-05 1.46E-01 8.92E-03 5.90E-03 1.71E-02 2.55E-02 3.79E-02 1.02E-01

6.0E+01 1.92E-05 1.42E-01 8.67E-03 5.72E-03 1.70E-02 2.52E-02 3.69E-02 9.89E-02

99E+01 1.87E-05 1.38E-01 8.42E-03 5.57E-03 1.67E-02 2.48E-02 3.52E-02 9.59E-02

7.39E+01 1.81E-05 1.34E-01 8.17E-03 5.47E-03 1.63E-02 2.44E-02 3.26E-02 9.29E-02

7.82E+01 1.75E-05 1.29E-01 7.91E-03 5.29E-03 1.61E-02 2.32E-02 3.18E-02 8.98E-02

8.28E+01 1.69E-05 1.25E-01 7.63E-03 5.06E-03 1.57E-02 2.19E-02 3.11E-02 8.66E-02

8.76E+01 1.62E-05 1.20E-01 7.36E-03 4.84E-03 1.50E-02 2.16E-02 3.04E-02 8.34E-02

9.27E+01 1.56E-05 1.16E-01 7.06E-03 4.65E-03 1.43E-02 2.12E-02 2.97E-02 8.01E-02

9.81E+01 1.49E-05 1.11E-01 6.77E-03 4.44E-03 1.37E-02 2.03E-02 2.89E-02 7.68E-02

1.00E+02 1.47E-05 1.09E-01 6.67E-03 4.39E-03 1.35E-02 2.01E-02 2.86E-02 7.57E-02

1.04E+02 1.43E-05 1.06E-01 6.48E-03 4.25E-03 1.32E-02 1.94E-02 2.80E-02 7.34E-02

1.10E+02 1.12E-07 1.01E-01 6.18E-03 4.01E-03 1.27E-02 1.85E-02 2.71E-02 7.00E-02

1.16E+02 1.11E-07 9.62E-02 5.90E-03 3.76E-03 1.22E-02 1.76E-02 2.60E-02 6.66E-02

1.23E+02 1.10E-07 9.12E-02 5.60E-03 3.50E-03 1.17E-02 1.67E-02 2.50E-02 6.31E-02

1.30E+02 1.09E-07 8.55E-02 5.29E-03 3.27E-03 1.12E-02 1.58E-02 2.38E-02 5.96E-02

1.38E+02 1.08E-07 6.75E-02 4.89E-03 3.10E-03 1.07E-02 1.52E-02 2.26E-02 4.78E-02

1.46E+02 1.06E-07 6.21E-02 4.53E-03 2.90E-03 1.01E-02 1.45E-02 2.14E-02 3.34E-02

1.54E+02 1.05E-07 4.72E-02 4.12E-03 2.70E-03 9.53E-03 1.37E-02 1.86E-02 3.05E-02

1.63E+02 1.03E-07 3.53E-02 3.72E-03 2.46E-03 8.79E-03 1.31E-02 1.56E-02 2.67E-02

1.73E+02 1.02E-07 2.64E-02 3.39E-03 2.28E-03 8.16E-03 1.21E-02 1.46E-02 2.37E-02

1.83E+02 9.97E-08 2.44E-02 3.11E-03 2.07E-03 7.50E-03 1.14E-02 1.36E-02 1.87E-02

1.94E+02 9.77E-08 2.24E-02 2.87E-03 1.90E-03 7.05E-03 1.06E-02 1.21E-02 1.52E-02

2.05E+02 9.55E-08 2.05E-02 2.61E-03 1.74E-03 6.34E-03 9.21E-03 1.07E-02 1.39E-02

2.17E+02 9.32E-08 1.87E-02 2.38E-03 1.57E-03 5.86E-03 8.38E-03 9.85E-03 1.27E-02

2.29E+02 9.08E-08 1.69E-02 2.13E-03 1.41E-03 4.98E-03 7.71E-03 9.05E-03 1.15E-02

2.43E+02 8.81E-08 1.52E-02 1.91E-03 1.21E-03 4.39E-03 7.05E-03 8.23E-03 1.01E-02

2.57E+02 8.52E-08 1.36E-02 1.68E-03 1.09E-03 3.86E-03 6.38E-03 7.27E-03 8.24E-03

2.72E+02 8.20E-08 1.21E-02 1.47E-03 9.50E-04 3.36E-03 5.15E-03 6.40E-03 6.99E-03

2.88E+02 7.86E-08 1.07E-02 1.29E-03 8.41E-04 2.96E-03 4.43E-03 5.56E-03 6.22E-03

3.00E+02 7.59E-08 9.76E-03 1.15E-03 7.36E-04 2.69E-03 4.13E-03 4.92E-03 5.73E-03

3.05E+02 7.49E-08 9.43E-03 1.10E-03 7.07E-04 2.58E-03 3.99E-03 4.70E-03 5.55E-03

3.22E+02 7.09E-08 5.52E-03 9.16E-04 6.09E-04 2.16E-03 3.34E-03 3.86E-03 4.46E-03

3.41E+02 6.66E-08 4.76E-03 7.59E-04 5.01E-04 1.71E-03 2.66E-03 3.29E-03 3.86E-03

3.61E+02 6.18E-08 4.07E-03 6.34E-04 4.03E-04 1.43E-03 2.16E-03 2.75E-03 3.32E-03

3.82E+02 5.66E-08 3.44E-03 5.23E-04 3.40E-04 1.20E-03 1.72E-03 2.29E-03 2.84E-03

4.04E+02 5.09E-08 2.89E-03 4.25E-04 2.74E-04 9.99E-04 1.34E-03 1.91E-03 2.39E-03

4.28E+02 4.46E-08 2.00E-03 3.42E-04 2.16E-04 8.23E-04 1.16E-03 1.59E-03 1.96E-03

4.53E+02 3.78E-08 1.65E-03 2.67E-04 1.66E-04 6.60E-04 8.99E-04 1.22E-03 1.47E-03

4.79E+02 3.02E-08 1.35E-03 2.10E-04 1.35E-04 5.03E-04 6.57E-04 9.88E-04 1.19E-03

5.07E+02 2.18E-08 1.05E-03 1.61E-04 1.00E-04 3.94E-04 5.27E-04 7.36E-04 9.42E-04

5.36E+02 9.44E-10 7.59E-04 1.23E-04 7.75E-05 2.95E-04 4.10E-04 5.63E-04 6.47E-04

5.68E+02 7.36E-10 5.92E-04 9.24E-05 5.98E-05 2.24E-04 3.04E-04 3.90E-04 4.99E-04

01E+02 7.91E-10 3.84E-04 6.71E-05 4.29E-05 1.71E-04 2.05E-04 2.84E-04 3.53E-04

6.36E+02 8.47E-10 2.91E-04 4.76E-05 3.13E-05 1.24E-04 1.52E-04 1.84E-04 2.46E-04

6.73E+02 9.03E-10 2.99E-04 3.40E-05 2.11E-05 8.76E-05 1.07E-04 1.36E-04 1.84E-04

7.12E+02 9.59E-10 1.35E-04 2.26E-05 1.46E-05 6.01E-05 7.47E-05 8.49E-05 1.18E-04

7.53E+02 1.01E-09 9.71E-05 1.52E-05 9.33E-06 3.89E-05 5.22E-05 5.86E-05 7.54E-05

7.97E+02 1.07E-09 6.27E-05 1.01E-05 6.26E-06 2.51E-05 3.61E-05 3.98E-05 4.60E-05

8.44E+02 1.12E-09 4.35E-05 6.66E-06 3.87E-06 1.69E-05 2.44E-05 2.76E-05 3.19E-05

93E+02 1.18E-09 2.95E-05 4.34E-06 2.58E-06 1.07E-05 1.58E-05 1.87E-05 2.16E-05

9.45E+02 1.23E-09 1.64E-05 2.70E-06 1.58E-06 6.88E-06 1.00E-05 1.24E-05 1.35E-05

1.00E+03 1.28E-09 1.06E-05 1.68E-06 9.28E-07 4.31E-06 6.30E-06 7.88E-06 8.75E-06

Probabilistic results summary : RESRAD Default Parameters

File : C:\USERS\DNF\DOCUMENTS\FT CALHOUN\RESRAD INPUT FILES\BP INSITU UA\FCS BURIED PIPE INSITU UA PU-238.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	1.87E-04	4.10E-01	1.78E-02	1.13E-02	3.30E-02	4.86E-02	6.37E-02	1.77E-01
1.00E+00	1.87E-04	2.46E-01	1.68E-02	1.11E-02	3.14E-02	4.61E-02	6.18E-02	1.53E-01
1.06E+00	1.87E-04	2.39E-01	1.67E-02	1.11E-02	3.13E-02	4.58E-02	6.19E-02	1.52E-01
1.12E+00	1.87E-04	2.32E-01	1.67E-02	1.11E-02	3.12E-02	4.57E-02	6.19E-02	1.50E-01
1.19E+00	1.87E-04	2.24E-01	1.67E-02	1.11E-02	3.11E-02	4.58E-02	6.20E-02	1.49E-01
1.25E+00	1.87E-04	2.17E-01	1.66E-02	1.10E-02	3.10E-02	4.58E-02	6.20E-02	1.48E-01
1.33E+00	1.87E-04	2.11E-01	1.66E-02	1.10E-02	3.10E-02	4.59E-02	6.21E-02	1.46E-01
1.40E+00	1.87E-04	2.11E-01	1.65E-02	1.10E-02	3.09E-02	4.60E-02	6.21E-02	1.44E-01
1.49E+00	1.86E-04	2.11E-01	1.65E-02	1.10E-02	3.09E-02	4.60E-02	6.22E-02	1.43E-01
1.57E+00	1.86E-04	2.11E-01	1.64E-02	1.10E-02	3.09E-02	4.59E-02	6.22E-02	1.41E-01
1.66E+00	1.86E-04	2.11E-01	1.64E-02	1.10E-02	3.07E-02	4.58E-02	6.23E-02	1.39E-01
1.76E+00	1.86E-04	2.11E-01	1.63E-02	1.09E-02	3.05E-02	4.54E-02	6.23E-02	1.37E-01
1.86E+00	1.86E-04	2.12E-01	1.63E-02	1.09E-02	3.04E-02	4.46E-02	6.26E-02	1.37E-01
1.97E+00	1.86E-04	2.12E-01	1.62E-02	1.09E-02	3.03E-02	4.36E-02	6.33E-02	1.41E-01
2.09E+00	1.86E-04	2.12E-01	1.61E-02	1.09E-02	2.96E-02	4.27E-02	6.41E-02	1.42E-01
2.21E+00	1.86E-04	2.12E-01	1.61E-02	1.08E-02	2.94E-02	4.24E-02	6.50E-02	1.33E-01
2.24E+00	1.86E-04	2.12E-01	1.60E-02	1.08E-02	2.93E-02	4.28E-02	6.59E-02	1.27E-01
2.27E+00	1.86E-04	2.12E-01	1.60E-02	1.08E-02	2.92E-02	4.32E-02	6.68E-02	1.24E-01
2.26E+00	1.86E-04	2.12E-01	1.59E-02	1.07E-02	2.91E-02	4.37E-02	6.78E-02	1.22E-01
2.27E+00	1.86E-04	2.13E-01	1.59E-02	1.07E-02	2.90E-02	4.42E-02	6.88E-02	1.20E-01
2.93E+00	1.86E-04	2.13E-01	1.58E-02	1.07E-02	2.84E-02	4.41E-02	6.91E-02	1.17E-01
3.00E+00	1.86E-04	2.13E-01	1.58E-02	1.07E-02	2.83E-02	4.40E-02	6.92E-02	1.16E-01
3.10E+00	1.86E-04	2.13E-01	1.57E-02	1.06E-02	2.85E-02	4.38E-02	6.93E-02	1.14E-01
3.28E+00	1.85E-04	2.13E-01	1.57E-02	1.06E-02	2.86E-02	4.36E-02	6.96E-02	1.12E-01
3.48E+00	1.85E-04	2.13E-01	1.56E-02	1.06E-02	2.85E-02	4.34E-02	6.92E-02	1.09E-01
3.68E+00	1.85E-04	2.13E-01	1.56E-02	1.06E-02	2.84E-02	4.32E-02	6.65E-02	1.07E-01
3.89E+00	1.85E-04	2.14E-01	1.55E-02	1.06E-02	2.82E-02	4.29E-02	6.32E-02	1.06E-01
4.12E+00	1.85E-04	2.14E-01	1.55E-02	1.06E-02	2.81E-02	4.27E-02	6.15E-02	1.04E-01
4.36E+00	1.85E-04	2.16E-01	1.54E-02	1.06E-02	2.75E-02	4.24E-02	6.10E-02	1.02E-01
4.61E+00	1.85E-04	2.23E-01	1.53E-02	1.06E-02	2.66E-02	3.98E-02	6.06E-02	1.00E-01
4.88E+00	1.85E-04	2.30E-01	1.53E-02	1.06E-02	2.70E-02	3.68E-02	6.01E-02	9.83E-02
5.17E+00	1.84E-04	2.37E-01	1.52E-02	1.06E-02	2.74E-02	3.67E-02	5.97E-02	9.63E-02
5.47E+00	1.84E-04	2.45E-01	1.52E-02	1.06E-02	2.63E-02	3.66E-02	5.92E-02	9.42E-02
5.57E+00	1.84E-04	2.52E-01	1.51E-02	1.05E-02	2.60E-02	3.64E-02	5.87E-02	9.21E-02
6.12E+00	1.84E-04	2.60E-01	1.51E-02	1.04E-02	2.61E-02	3.64E-02	5.82E-02	8.99E-02
6.48E+00	1.84E-04	2.68E-01	1.50E-02	1.04E-02	2.62E-02	3.64E-02	5.77E-02	9.01E-02
6.86E+00	1.83E-04	2.76E-01	1.50E-02	1.04E-02	2.64E-02	3.63E-02	5.77E-02	9.19E-02
7.26E+00	1.83E-04	2.84E-01	1.49E-02	1.03E-02	2.61E-02	3.63E-02	5.85E-02	9.44E-02
7.68E+00	1.83E-04	2.92E-01	1.49E-02	1.02E-02	2.59E-02	3.56E-02	5.92E-02	9.70E-02
8.13E+00	1.83E-04	3.00E-01	1.48E-02	1.01E-02	2.57E-02	3.55E-02	6.00E-02	9.96E-02
8.60E+00	1.82E-04	3.09E-01	1.48E-02	1.01E-02	2.55E-02	3.60E-02	5.98E-02	1.02E-01
9.10E+00	1.82E-04	3.17E-01	1.47E-02	1.00E-02	2.53E-02	3.62E-02	5.85E-02	1.05E-01
9.63E+00	1.82E-04	3.25E-01	1.46E-02	9.94E-03	2.53E-02	3.61E-02	5.73E-02	1.08E-01
1.00E+01	1.82E-04	3.30E-01	1.46E-02	9.88E-03	2.50E-02	3.61E-02	5.67E-02	1.10E-01
1.02E+01	1.81E-04	3.33E-01	1.46E-02	9.82E-03	2.48E-02	3.61E-02	5.69E-02	1.11E-01
1.08E+01	1.81E-04	3.41E-01	1.45E-02	9.82E-03	2.43E-02	3.61E-02	5.72E-02	1.14E-01
1.14E+01	1.81E-04	3.49E-01	1.44E-02	9.70E-03	2.38E-02	3.60E-02	5.76E-02	1.17E-01
1.21E+01	1.80E-04	3.57E-01	1.44E-02	9.61E-03	2.34E-02	3.58E-02	5.67E-02	1.20E-01
1.28E+01	1.80E-04	3.64E-01	1.43E-02	9.56E-03	2.33E-02	3.50E-02	5.55E-02	1.23E-01
1.35E+01	1.79E-04	3.71E-01	1.42E-02	9.48E-03	2.31E-02	3.42E-02	5.43E-02	1.27E-01
1.43E+01	1.79E-04	3.78E-01	1.42E-02	9.40E-03	2.29E-02	3.39E-02	5.30E-02	1.30E-01
1.51E+01	1.78E-04	3.84E-01	1.41E-02	9.30E-03	2.28E-02	3.36E-02	5.16E-02	1.33E-01
1.60E+01	1.78E-04	3.90E-01	1.40E-02	9.02E-03	2.28E-02	3.34E-02	5.03E-02	1.36E-01
1.70E+01	1.77E-04	3.96E-01	1.39E-02	8.95E-03	2.27E-02	3.25E-02	5.00E-02	1.39E-01
1.80E+01	1.77E-04	4.01E-01	1.39E-02	8.83E-03	2.25E-02	3.25E-02	5.05E-02	1.43E-01
1.90E+01	1.76E-04	4.01E-01	1.38E-02	8.53E-03	2.24E-02	3.14E-02	5.10E-02	1.46E-01

2.01E+01 1.75E-04 3.67E-01 1.36E-02 8.51E-03 2.28E-02 3.15E-02 5.15E-02 1.49E-01

2.13E+01 1.75E-04 3.28E-01 1.33E-02 8.32E-03 2.25E-02 3.18E-02 5.20E-02 1.52E-01

2.25E+01 1.74E-04 2.90E-01 1.31E-02 8.20E-03 2.21E-02 3.13E-02 5.25E-02 1.54E-01

2.38E+01 1.73E-04 2.56E-01 1.29E-02 8.19E-03 2.20E-02 2.92E-02 5.30E-02 1.57E-01

2.52E+01 1.72E-04 2.23E-01 1.26E-02 7.98E-03 2.23E-02 2.87E-02 5.34E-02 1.60E-01

2.67E+01 1.71E-04 2.13E-01 1.24E-02 7.81E-03 2.25E-02 2.82E-02 5.38E-02 1.62E-01

2.82E+01 1.70E-04 2.11E-01 1.22E-02 7.71E-03 2.15E-02 2.82E-02 5.42E-02 1.64E-01

2.99E+01 1.69E-04 2.10E-01 1.20E-02 7.55E-03 2.08E-02 2.87E-02 5.45E-02 1.42E-01

3.00E+01 1.69E-04 2.10E-01 1.20E-02 7.56E-03 2.08E-02 2.87E-02 5.46E-02 1.40E-01

3.16E+01 1.68E-04 2.09E-01 1.18E-02 7.39E-03 2.04E-02 2.94E-02 5.48E-02 1.20E-01

3.35E+01 2.66E-05 2.07E-01 1.16E-02 7.24E-03 2.02E-02 2.94E-02 5.50E-02 1.00E-01

3.54E+01 2.62E-05 2.05E-01 1.14E-02 7.07E-03 1.99E-02 2.98E-02 5.51E-02 9.80E-02

3.75E+01 2.58E-05 2.03E-01 1.12E-02 6.90E-03 1.99E-02 2.99E-02 5.52E-02 9.67E-02

3.97E+01 2.54E-05 2.01E-01 1.10E-02 6.75E-03 1.95E-02 3.01E-02 5.34E-02 9.59E-02

4.20E+01 2.49E-05 1.99E-01 1.08E-02 6.63E-03 1.92E-02 3.06E-02 5.01E-02 9.60E-02

4.44E+01 2.44E-05 1.96E-01 1.06E-02 6.44E-03 1.88E-02 3.06E-02 4.96E-02 9.59E-02

4.70E+01 2.39E-05 1.93E-01 1.04E-02 6.29E-03 1.86E-02 2.77E-02 4.91E-02 9.57E-02

4.97E+01 2.34E-05 1.90E-01 1.02E-02 6.10E-03 1.85E-02 2.77E-02 4.90E-02 9.52E-02

5.26E+01 2.29E-05 1.87E-01 1.00E-02 5.97E-03 1.80E-02 2.77E-02 4.89E-02 9.45E-02

5.57E+01 2.23E-05 1.83E-01 9.88E-03 5.82E-03 1.77E-02 2.76E-02 4.90E-02 9.37E-02

5.90E+01 2.18E-05 1.79E-01 9.76E-03 5.68E-03 1.76E-02 2.76E-02 4.89E-02 9.26E-02

6.24E+01 2.12E-05 1.75E-01 9.55E-03 5.53E-03 1.73E-02 2.75E-02 4.88E-02 9.13E-02

6.0E+01 2.06E-05 1.71E-01 9.32E-03 5.29E-03 1.69E-02 2.70E-02 4.85E-02 8.98E-02

99E+01 2.00E-05 1.66E-01 9.07E-03 5.10E-03 1.67E-02 2.67E-02 4.82E-02 8.81E-02

7.39E+01 1.93E-05 1.62E-01 8.82E-03 4.91E-03 1.64E-02 2.63E-02 4.78E-02 8.62E-02

7.82E+01 1.87E-05 1.57E-01 8.56E-03 4.73E-03 1.62E-02 2.58E-02 4.78E-02 8.41E-02

8.28E+01 1.80E-05 1.52E-01 8.28E-03 4.53E-03 1.59E-02 2.54E-02 4.85E-02 8.18E-02

8.76E+01 1.74E-05 1.46E-01 8.04E-03 4.35E-03 1.53E-02 2.48E-02 4.90E-02 7.93E-02

9.27E+01 1.67E-05 1.41E-01 7.78E-03 4.15E-03 1.47E-02 2.42E-02 4.94E-02 7.67E-02

9.81E+01 1.60E-05 1.35E-01 7.50E-03 3.92E-03 1.42E-02 2.36E-02 4.95E-02 7.39E-02

1.00E+02 1.57E-05 1.33E-01 7.40E-03 3.86E-03 1.40E-02 2.34E-02 4.92E-02 7.29E-02

1.04E+02 1.53E-05 1.30E-01 7.16E-03 3.72E-03 1.36E-02 2.29E-02 4.80E-02 7.10E-02

1.10E+02 1.46E-05 1.24E-01 6.80E-03 3.52E-03 1.31E-02 2.21E-02 4.60E-02 6.80E-02

1.16E+02 1.38E-05 1.18E-01 6.42E-03 3.28E-03 1.26E-02 2.13E-02 4.39E-02 6.49E-02

1.23E+02 1.31E-05 1.06E-01 6.07E-03 3.11E-03 1.21E-02 2.05E-02 4.18E-02 5.22E-02

1.30E+02 8.53E-06 7.75E-02 5.65E-03 2.91E-03 1.15E-02 1.96E-02 3.55E-02 5.03E-02

1.38E+02 4.16E-06 5.58E-02 5.25E-03 2.71E-03 1.10E-02 1.86E-02 3.23E-02 4.82E-02

1.46E+02 1.99E-06 5.20E-02 4.87E-03 2.53E-03 1.05E-02 1.64E-02 3.04E-02 4.16E-02

1.54E+02 9.44E-07 4.87E-02 4.48E-03 2.37E-03 9.17E-03 1.54E-02 2.77E-02 3.88E-02

1.63E+02 4.66E-07 4.54E-02 4.12E-03 2.23E-03 8.56E-03 1.44E-02 2.41E-02 3.62E-02

1.73E+02 2.58E-07 4.21E-02 3.80E-03 2.02E-03 7.98E-03 1.23E-02 2.23E-02 3.35E-02

1.83E+02 1.71E-07 3.89E-02 3.46E-03 1.84E-03 7.32E-03 1.14E-02 2.06E-02 3.10E-02

1.94E+02 1.36E-07 3.56E-02 3.13E-03 1.69E-03 6.66E-03 1.06E-02 1.89E-02 2.67E-02

2.05E+02 1.22E-07 2.62E-02 2.80E-03 1.54E-03 6.07E-03 9.77E-03 1.66E-02 2.12E-02

2.17E+02 1.16E-07 1.70E-02 2.46E-03 1.40E-03 5.54E-03 9.00E-03 1.35E-02 1.53E-02

2.29E+02 1.12E-07 1.46E-02 2.16E-03 1.27E-03 4.77E-03 7.93E-03 1.20E-02 1.28E-02

2.43E+02 1.09E-07 1.24E-02 1.91E-03 1.11E-03 4.33E-03 6.49E-03 1.00E-02 1.11E-02

2.57E+02 1.07E-07 1.05E-02 1.68E-03 9.53E-04 4.03E-03 5.80E-03 8.43E-03 9.64E-03

2.72E+02 1.04E-07 8.92E-03 1.45E-03 8.20E-04 3.59E-03 5.03E-03 7.16E-03 8.56E-03

2.88E+02 1.01E-07 7.90E-03 1.24E-03 6.99E-04 3.07E-03 4.10E-03 5.97E-03 7.22E-03

3.00E+02 9.88E-08 7.18E-03 1.11E-03 6.26E-04 2.65E-03 3.69E-03 5.24E-03 6.41E-03

3.05E+02 9.80E-08 6.94E-03 1.06E-03 5.95E-04 2.55E-03 3.54E-03 4.99E-03 6.19E-03

3.22E+02 9.49E-08 6.05E-03 8.93E-04 4.96E-04 2.21E-03 2.95E-03 4.28E-03 5.38E-03

3.41E+02 9.07E-08 5.22E-03 7.42E-04 4.12E-04 1.91E-03 2.42E-03 3.51E-03 4.03E-03

3.61E+02 8.70E-08 4.47E-03 6.08E-04 3.47E-04 1.53E-03 1.96E-03 2.62E-03 3.49E-03

3.82E+02 8.30E-08 3.71E-03 4.99E-04 2.87E-04 1.25E-03 1.63E-03 2.14E-03 2.98E-03

4.04E+02 7.88E-08 3.04E-03 4.06E-04 2.41E-04 1.01E-03 1.31E-03 1.70E-03 2.32E-03

4.28E+02 7.43E-08 2.11E-03 3.26E-04 1.94E-04 8.27E-04 1.08E-03 1.34E-03 1.94E-03

4.53E+02 6.95E-08 1.72E-03 2.55E-04 1.56E-04 6.67E-04 8.61E-04 9.85E-04 1.59E-03

4.79E+02 6.45E-08 1.31E-03 1.98E-04 1.22E-04 5.14E-04 6.94E-04 7.93E-04 1.24E-03

5.07E+02 5.89E-08 1.02E-03 1.53E-04 9.62E-05 3.80E-04 5.17E-04 6.37E-04 9.45E-04

5.36E+02 1.52E-08 8.01E-04 1.16E-04 7.48E-05 2.86E-04 3.89E-04 4.92E-04 6.41E-04

5.68E+02 5.15E-09 6.18E-04 8.71E-05 5.80E-05 2.17E-04 3.00E-04 3.69E-04 5.00E-04

0.01E+02 3.04E-09 3.85E-04 6.13E-05 4.26E-05 1.62E-04 2.07E-04 2.49E-04 2.90E-04

6.36E+02 2.74E-09 2.92E-04 4.39E-05 3.10E-05 1.10E-04 1.36E-04 1.76E-04 2.20E-04

6.73E+02 2.84E-09 1.83E-04 3.08E-05 2.24E-05 7.36E-05 9.55E-05 1.28E-04 1.58E-04

7.12E+02 2.65E-09 1.35E-04 2.13E-05 1.48E-05 4.96E-05 6.83E-05 9.37E-05 1.16E-04

7.53E+02 2.00E-09 9.02E-05 1.45E-05 1.02E-05 3.27E-05 4.89E-05 6.63E-05 8.37E-05

7.97E+02 1.74E-09 6.13E-05 9.75E-06 6.47E-06 2.30E-05 3.45E-05 4.58E-05 5.81E-05

8.44E+02 1.70E-09 4.25E-05 6.38E-06 4.31E-06 1.57E-05 2.21E-05 3.15E-05 3.92E-05

93E+02 1.73E-09 2.88E-05 4.06E-06 2.54E-06 1.01E-05 1.38E-05 2.01E-05 2.66E-05

9.45E+02 1.80E-09 1.91E-05 2.48E-06 1.48E-06 6.30E-06 8.73E-06 1.27E-05 1.48E-05

1.00E+03 1.88E-09 9.85E-06 1.52E-06 8.91E-07 3.96E-06 5.41E-06 7.72E-06 8.85E-06

Probabilistic results summary : RESRAD Default Parameters

File : C:\USERS\DNF\DOCUMENTS\FT CALHOUN\RESRAD INPUT FILES\BP INSITU UA\FCS BURIED PIPE INSITU UA PU-238.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	1.55E-05	3.37E-01	1.76E-02	1.17E-02	3.25E-02	5.55E-02	8.81E-02	1.64E-01
1.00E+00	1.70E-05	2.73E-01	1.66E-02	1.15E-02	3.01E-02	4.95E-02	7.37E-02	1.27E-01
1.06E+00	1.71E-05	2.70E-01	1.65E-02	1.15E-02	3.00E-02	4.94E-02	7.31E-02	1.25E-01
1.12E+00	1.72E-05	2.67E-01	1.65E-02	1.15E-02	2.98E-02	4.94E-02	7.28E-02	1.23E-01
1.19E+00	1.73E-05	2.63E-01	1.64E-02	1.15E-02	2.85E-02	4.93E-02	7.25E-02	1.21E-01
1.25E+00	1.74E-05	2.60E-01	1.64E-02	1.15E-02	2.74E-02	4.92E-02	7.21E-02	1.19E-01
1.33E+00	1.75E-05	2.56E-01	1.63E-02	1.15E-02	2.72E-02	4.91E-02	7.18E-02	1.16E-01
1.40E+00	1.76E-05	2.52E-01	1.63E-02	1.15E-02	2.71E-02	4.90E-02	7.14E-02	1.14E-01
1.49E+00	1.78E-05	2.48E-01	1.62E-02	1.15E-02	2.70E-02	4.89E-02	7.10E-02	1.11E-01
1.57E+00	1.79E-05	2.44E-01	1.61E-02	1.15E-02	2.70E-02	4.87E-02	7.06E-02	1.08E-01
1.66E+00	1.80E-05	2.40E-01	1.61E-02	1.14E-02	2.69E-02	4.86E-02	7.02E-02	1.06E-01
1.76E+00	1.82E-05	2.35E-01	1.60E-02	1.14E-02	2.68E-02	4.85E-02	6.97E-02	1.03E-01
1.86E+00	1.83E-05	2.31E-01	1.59E-02	1.14E-02	2.68E-02	4.83E-02	6.92E-02	1.00E-01
1.97E+00	1.85E-05	2.26E-01	1.59E-02	1.14E-02	2.67E-02	4.82E-02	6.87E-02	9.71E-02
2.09E+00	1.87E-05	2.21E-01	1.58E-02	1.14E-02	2.67E-02	4.80E-02	6.84E-02	9.41E-02
2.21E+00	1.89E-05	2.16E-01	1.57E-02	1.15E-02	2.71E-02	4.79E-02	6.84E-02	9.30E-02
2.24E+00	1.91E-05	2.11E-01	1.56E-02	1.15E-02	2.71E-02	4.77E-02	6.84E-02	9.23E-02
2.27E+00	1.93E-05	2.06E-01	1.55E-02	1.15E-02	2.69E-02	4.75E-02	6.83E-02	9.15E-02
2.26E+00	1.95E-05	2.01E-01	1.55E-02	1.15E-02	2.74E-02	4.73E-02	6.83E-02	9.07E-02
2.27E+00	1.97E-05	1.96E-01	1.54E-02	1.15E-02	2.78E-02	4.71E-02	6.83E-02	8.99E-02
2.29E+00	2.00E-05	1.91E-01	1.53E-02	1.14E-02	2.76E-02	4.64E-02	6.82E-02	8.90E-02
3.00E+00	2.01E-05	1.89E-01	1.53E-02	1.14E-02	2.74E-02	4.61E-02	6.82E-02	8.87E-02
3.310E+00	2.02E-05	1.85E-01	1.52E-02	1.14E-02	2.72E-02	4.56E-02	6.81E-02	8.81E-02
3.328E+00	2.05E-05	1.80E-01	1.51E-02	1.14E-02	2.67E-02	4.48E-02	6.76E-02	8.72E-02
3.48E+00	2.08E-05	1.75E-01	1.50E-02	1.13E-02	2.63E-02	4.42E-02	6.57E-02	8.62E-02
3.68E+00	2.11E-05	1.70E-01	1.49E-02	1.13E-02	2.59E-02	4.38E-02	6.37E-02	8.52E-02
3.89E+00	2.14E-05	1.64E-01	1.48E-02	1.13E-02	2.57E-02	4.35E-02	6.17E-02	8.42E-02
4.12E+00	2.17E-05	1.59E-01	1.47E-02	1.13E-02	2.55E-02	4.24E-02	5.99E-02	8.29E-02
4.36E+00	2.21E-05	1.54E-01	1.46E-02	1.13E-02	2.55E-02	4.21E-02	5.92E-02	8.17E-02
4.61E+00	2.24E-05	1.49E-01	1.46E-02	1.12E-02	2.55E-02	4.17E-02	5.84E-02	8.05E-02
4.88E+00	2.28E-05	1.44E-01	1.45E-02	1.12E-02	2.56E-02	4.14E-02	5.75E-02	7.92E-02
5.17E+00	2.32E-05	1.39E-01	1.44E-02	1.10E-02	2.65E-02	4.07E-02	5.66E-02	7.79E-02
5.47E+00	2.37E-05	1.34E-01	1.43E-02	1.10E-02	2.62E-02	3.97E-02	5.57E-02	7.65E-02
5.78E+00	2.41E-05	1.29E-01	1.42E-02	1.10E-02	2.63E-02	3.85E-02	5.48E-02	7.51E-02
6.12E+00	2.46E-05	1.25E-01	1.41E-02	1.08E-02	2.59E-02	3.94E-02	5.39E-02	7.36E-02
6.48E+00	2.51E-05	1.21E-01	1.40E-02	1.07E-02	2.57E-02	3.93E-02	5.29E-02	7.31E-02
6.86E+00	2.56E-05	1.17E-01	1.39E-02	1.08E-02	2.57E-02	3.87E-02	5.15E-02	7.35E-02
7.26E+00	2.62E-05	1.13E-01	1.38E-02	1.07E-02	2.58E-02	3.82E-02	4.97E-02	7.38E-02
7.68E+00	2.68E-05	1.09E-01	1.37E-02	1.07E-02	2.57E-02	3.76E-02	4.87E-02	7.42E-02
8.13E+00	2.74E-05	1.06E-01	1.36E-02	1.07E-02	2.57E-02	3.69E-02	4.86E-02	7.46E-02
8.60E+00	2.80E-05	1.02E-01	1.36E-02	1.06E-02	2.63E-02	3.80E-02	4.80E-02	7.49E-02
9.10E+00	2.87E-05	9.95E-02	1.35E-02	1.05E-02	2.58E-02	3.76E-02	5.15E-02	7.52E-02
9.63E+00	2.94E-05	9.67E-02	1.34E-02	1.04E-02	2.55E-02	3.68E-02	5.23E-02	7.56E-02
1.00E+01	2.99E-05	9.50E-02	1.33E-02	1.03E-02	2.51E-02	3.49E-02	5.25E-02	7.58E-02
1.02E+01	3.02E-05	9.42E-02	1.32E-02	1.03E-02	2.46E-02	3.46E-02	5.27E-02	7.59E-02
1.08E+01	3.09E-05	9.19E-02	1.31E-02	1.01E-02	2.40E-02	3.39E-02	5.30E-02	7.62E-02
1.14E+01	3.18E-05	8.99E-02	1.29E-02	1.00E-02	2.34E-02	3.32E-02	5.23E-02	7.65E-02
1.21E+01	3.26E-05	8.80E-02	1.27E-02	9.91E-03	2.32E-02	3.16E-02	4.51E-02	7.68E-02
1.28E+01	2.80E-05	8.63E-02	1.26E-02	9.84E-03	2.36E-02	3.18E-02	4.40E-02	7.63E-02
1.35E+01	2.59E-05	8.47E-02	1.25E-02	9.73E-03	2.39E-02	3.15E-02	4.41E-02	7.58E-02
1.43E+01	2.57E-05	8.33E-02	1.24E-02	9.63E-03	2.31E-02	3.15E-02	4.38E-02	7.53E-02
1.51E+01	2.55E-05	8.20E-02	1.23E-02	9.51E-03	2.24E-02	3.16E-02	4.35E-02	7.48E-02
1.60E+01	2.54E-05	8.09E-02	1.22E-02	9.36E-03	2.25E-02	3.17E-02	4.25E-02	7.76E-02
1.70E+01	2.52E-05	8.04E-02	1.21E-02	9.30E-03	2.25E-02	3.14E-02	4.07E-02	7.79E-02
1.80E+01	2.50E-05	8.34E-02	1.20E-02	9.18E-03	2.24E-02	3.10E-02	3.93E-02	7.79E-02
1.90E+01	2.48E-05	8.64E-02	1.19E-02	9.01E-03	2.22E-02	3.06E-02	3.91E-02	7.78E-02

2.01E+01 2.45E-05 8.96E-02 1.18E-02 8.92E-03 2.25E-02 3.00E-02 3.89E-02 7.78E-02

2.13E+01 2.43E-05 9.28E-02 1.17E-02 8.77E-03 2.28E-02 2.94E-02 3.86E-02 7.76E-02

2.25E+01 2.41E-05 9.61E-02 1.16E-02 8.65E-03 2.31E-02 2.87E-02 3.83E-02 7.74E-02

2.38E+01 2.38E-05 9.95E-02 1.15E-02 8.42E-03 2.33E-02 2.89E-02 3.80E-02 7.71E-02

2.52E+01 2.36E-05 1.03E-01 1.14E-02 8.34E-03 2.28E-02 2.94E-02 3.83E-02 7.67E-02

2.67E+01 2.33E-05 1.06E-01 1.13E-02 8.24E-03 2.26E-02 2.97E-02 3.91E-02 7.63E-02

2.82E+01 2.30E-05 1.10E-01 1.12E-02 7.97E-03 2.14E-02 3.00E-02 3.99E-02 7.57E-02

2.99E+01 2.27E-05 1.14E-01 1.11E-02 7.87E-03 2.12E-02 2.97E-02 4.07E-02 7.51E-02

3.00E+01 2.27E-05 1.14E-01 1.10E-02 7.88E-03 2.12E-02 2.97E-02 4.07E-02 7.51E-02

3.16E+01 2.24E-05 1.17E-01 1.09E-02 7.88E-03 2.10E-02 2.97E-02 4.14E-02 7.45E-02

3.35E+01 2.21E-05 1.21E-01 1.08E-02 7.60E-03 2.03E-02 2.96E-02 4.21E-02 7.37E-02

3.54E+01 2.18E-05 1.24E-01 1.07E-02 7.45E-03 1.97E-02 2.96E-02 4.27E-02 7.28E-02

3.75E+01 2.14E-05 1.22E-01 1.05E-02 7.20E-03 1.91E-02 2.95E-02 4.36E-02 7.19E-02

3.97E+01 2.10E-05 1.18E-01 1.03E-02 7.05E-03 1.85E-02 2.93E-02 4.44E-02 7.09E-02

4.20E+01 2.07E-05 1.16E-01 1.02E-02 6.86E-03 1.82E-02 2.91E-02 4.51E-02 7.08E-02

4.44E+01 2.03E-05 1.19E-01 9.96E-03 6.65E-03 1.79E-02 2.89E-02 4.57E-02 7.21E-02

4.70E+01 1.99E-05 1.22E-01 9.77E-03 6.55E-03 1.77E-02 2.86E-02 4.62E-02 7.33E-02

4.97E+01 1.94E-05 1.24E-01 9.59E-03 6.37E-03 1.72E-02 2.85E-02 4.65E-02 7.44E-02

5.26E+01 1.90E-05 1.40E-01 9.46E-03 6.18E-03 1.66E-02 2.84E-02 4.67E-02 7.54E-02

5.57E+01 1.85E-05 1.27E-01 9.25E-03 5.97E-03 1.65E-02 2.83E-02 4.65E-02 7.62E-02

5.90E+01 1.81E-05 1.12E-01 9.04E-03 5.78E-03 1.63E-02 2.81E-02 4.62E-02 7.69E-02

6.24E+01 1.76E-05 9.68E-02 8.79E-03 5.59E-03 1.60E-02 2.79E-02 4.58E-02 7.75E-02

60E+01 1.71E-05 8.25E-02 8.52E-03 5.46E-03 1.56E-02 2.76E-02 4.53E-02 7.79E-02

99E+01 1.66E-05 7.83E-02 8.32E-03 5.30E-03 1.54E-02 2.71E-02 4.48E-02 6.98E-02

7.39E+01 1.60E-05 7.83E-02 8.04E-03 5.06E-03 1.49E-02 2.69E-02 4.42E-02 5.96E-02

7.82E+01 1.55E-05 7.82E-02 7.75E-03 4.86E-03 1.43E-02 2.65E-02 4.34E-02 5.31E-02

8.28E+01 1.50E-05 7.78E-02 7.45E-03 4.63E-03 1.39E-02 2.60E-02 4.10E-02 5.12E-02

8.76E+01 1.44E-05 7.71E-02 7.14E-03 4.38E-03 1.34E-02 2.54E-02 3.95E-02 4.93E-02

9.27E+01 1.38E-05 7.08E-02 6.83E-03 4.22E-03 1.30E-02 2.28E-02 3.84E-02 4.74E-02

9.81E+01 1.33E-05 6.37E-02 6.54E-03 4.07E-03 1.26E-02 2.18E-02 3.73E-02 4.54E-02

1.00E+02 1.31E-05 6.14E-02 6.43E-03 3.99E-03 1.25E-02 2.15E-02 3.70E-02 4.48E-02

1.04E+02 1.27E-05 5.69E-02 6.22E-03 3.86E-03 1.22E-02 2.09E-02 3.62E-02 4.34E-02

1.10E+02 1.21E-05 5.05E-02 5.91E-03 3.63E-03 1.17E-02 2.00E-02 3.50E-02 4.14E-02

1.16E+02 6.53E-07 4.45E-02 5.61E-03 3.46E-03 1.11E-02 1.91E-02 3.38E-02 3.94E-02

1.23E+02 4.21E-07 3.90E-02 5.31E-03 3.23E-03 1.06E-02 1.80E-02 3.24E-02 3.80E-02

1.30E+02 4.19E-07 3.72E-02 5.00E-03 3.06E-03 1.00E-02 1.70E-02 3.10E-02 3.48E-02

1.38E+02 4.17E-07 3.61E-02 4.70E-03 2.85E-03 9.45E-03 1.61E-02 2.87E-02 3.30E-02

1.46E+02 4.14E-07 3.49E-02 4.39E-03 2.69E-03 9.07E-03 1.51E-02 2.57E-02 3.12E-02

1.54E+02 4.12E-07 3.35E-02 4.08E-03 2.52E-03 8.33E-03 1.41E-02 2.29E-02 2.84E-02

1.63E+02 4.09E-07 3.21E-02 3.77E-03 2.35E-03 7.78E-03 1.26E-02 1.97E-02 2.70E-02

1.73E+02 4.06E-07 3.06E-02 3.53E-03 2.20E-03 7.33E-03 1.17E-02 1.69E-02 2.52E-02

1.83E+02 4.03E-07 2.66E-02 3.20E-03 2.02E-03 6.71E-03 1.08E-02 1.52E-02 2.13E-02

1.94E+02 4.00E-07 2.27E-02 2.90E-03 1.85E-03 6.22E-03 9.73E-03 1.34E-02 1.97E-02

2.05E+02 3.96E-07 2.08E-02 2.61E-03 1.71E-03 5.61E-03 8.61E-03 1.23E-02 1.81E-02

2.17E+02 3.93E-07 1.92E-02 2.35E-03 1.52E-03 5.05E-03 7.78E-03 1.08E-02 1.60E-02

2.29E+02 3.89E-07 1.76E-02 2.11E-03 1.37E-03 4.62E-03 7.03E-03 9.07E-03 1.37E-02

2.43E+02 3.84E-07 1.58E-02 1.88E-03 1.17E-03 4.18E-03 6.52E-03 7.99E-03 1.23E-02

2.57E+02 3.80E-07 1.20E-02 1.65E-03 1.04E-03 3.73E-03 5.67E-03 7.17E-03 1.10E-02

2.72E+02 3.75E-07 1.05E-02 1.44E-03 9.01E-04 3.31E-03 5.00E-03 6.77E-03 9.03E-03

2.88E+02 3.70E-07 9.25E-03 1.23E-03 7.61E-04 2.96E-03 4.26E-03 5.52E-03 6.68E-03

3.00E+02 3.66E-07 8.41E-03 1.08E-03 6.89E-04 2.61E-03 3.54E-03 5.03E-03 5.91E-03

3.05E+02 3.64E-07 8.11E-03 1.03E-03 6.58E-04 2.52E-03 3.23E-03 4.86E-03 5.70E-03

3.22E+02 3.58E-07 7.06E-03 8.71E-04 5.64E-04 2.05E-03 2.67E-03 3.52E-03 4.97E-03

3.41E+02 3.52E-07 6.10E-03 7.25E-04 4.90E-04 1.72E-03 2.29E-03 2.80E-03 4.29E-03

3.61E+02 2.88E-07 5.22E-03 5.91E-04 4.02E-04 1.40E-03 1.80E-03 2.28E-03 3.63E-03

3.82E+02 2.11E-07 3.11E-03 4.72E-04 3.33E-04 1.13E-03 1.47E-03 1.80E-03 2.78E-03

4.04E+02 1.83E-07 2.61E-03 3.85E-04 2.72E-04 8.66E-04 1.24E-03 1.52E-03 2.05E-03

4.28E+02 1.58E-07 2.17E-03 3.08E-04 2.25E-04 7.13E-04 9.69E-04 1.19E-03 1.46E-03

4.53E+02 1.35E-07 1.79E-03 2.51E-04 1.79E-04 5.86E-04 7.96E-04 9.89E-04 1.20E-03

4.79E+02 1.06E-07 1.45E-03 1.95E-04 1.41E-04 4.66E-04 6.29E-04 7.42E-04 9.76E-04

5.07E+02 6.67E-08 9.93E-04 1.48E-04 1.07E-04 3.60E-04 4.72E-04 5.58E-04 7.82E-04

5.36E+02 2.61E-08 6.61E-04 1.12E-04 7.92E-05 2.59E-04 3.65E-04 4.24E-04 5.43E-04

5.68E+02 6.92E-09 5.65E-04 8.32E-05 6.01E-05 2.02E-04 2.75E-04 3.28E-04 4.27E-04

0.01E+02 2.69E-09 4.51E-04 6.12E-05 4.42E-05 1.48E-04 1.98E-04 2.47E-04 3.31E-04

6.36E+02 2.14E-09 2.90E-04 4.50E-05 3.09E-05 1.08E-04 1.58E-04 1.96E-04 2.52E-04

6.73E+02 2.21E-09 1.89E-04 3.16E-05 2.03E-05 7.69E-05 1.09E-04 1.42E-04 1.75E-04

7.12E+02 2.36E-09 1.39E-04 2.22E-05 1.29E-05 5.48E-05 7.88E-05 9.35E-05 1.27E-04

7.53E+02 2.53E-09 9.39E-05 1.52E-05 8.73E-06 3.88E-05 5.48E-05 6.69E-05 8.86E-05

7.97E+02 1.98E-09 6.68E-05 1.02E-05 5.76E-06 2.69E-05 3.87E-05 4.73E-05 5.65E-05

8.44E+02 2.13E-09 4.32E-05 6.75E-06 3.83E-06 1.81E-05 2.52E-05 3.19E-05 3.95E-05

93E+02 2.28E-09 3.30E-05 4.47E-06 2.33E-06 1.18E-05 1.67E-05 2.22E-05 2.70E-05

9.45E+02 2.43E-09 2.17E-05 2.84E-06 1.46E-06 7.24E-06 1.05E-05 1.42E-05 1.71E-05

1.00E+03 1.67E-09 1.19E-05 1.74E-06 9.53E-07 4.51E-06 6.19E-06 8.92E-06 9.83E-06

Probabilistic results summary : RESRAD Default Parameters

File : C:\USERS\DNF\DOCUMENTS\FT CALHOUN\RESRAD INPUT FILES\BP INSITU UA\FCS BURIED PIPE INSITU UA PU-238.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		1.803E-02
2	0.000E+00		1.775E-02
3	0.000E+00		1.761E-02

Title : RESRAD Default Parameters
 Input File : FCS BURIED PIPE INSITU UA PU-238.RAD

Coefficients for peak All Pathways Dose

Coefficient =	PCC	SRC	PRCC	SRRC
Repetition =	1	1	1	1

Description of Probabilistic Variable	Sig Coeff	Sig Coeff	Sig Coeff	Sig Coeff
Contaminated zone erosion rate	12 0.04	11 0.03	17 0.02	17 0.01
Contaminated zone b parameter	3 -0.09	3 -0.08	16 -0.02	16 -0.01
Evapotranspiration coefficient	16 0.01	16 0.01	12 0.04	12 0.03
Wind Speed	17 0.01	17 0.01	14 0.03	14 0.02
Runoff coefficient	8 -0.07	8 -0.06	15 -0.03	15 -0.02
b Parameter of Unsaturated zone 1	10 -0.05	10 -0.05	10 0.07	10 0.04
Mass loading for inhalation	5 0.09	4 0.08	4 0.14	4 0.09
Indoor dust filtration factor	15 -0.03	15 -0.03	11 0.06	11 0.03
Depth of soil mixing layer	11 0.04	12 0.03	8 -0.08	8 -0.05
Depth of roots	13 -0.03	13 -0.03	18 0.01	18 0.00
Wet weight crop yield of fruit, grain and non-leafy vegetables	9 -0.06	9 -0.05	6 -0.09	6 -0.06
Weathering removal constant of all vegetation	4 -0.09	5 -0.08	7 -0.08	7 -0.05
Wet foliar interception fraction of leafy vegetables	18 0.01	18 0.01	9 -0.07	9 -0.05
Humidity in air	14 -0.03	14 -0.03	5 -0.14	5 -0.09
Cover erosion rate	6 0.08	6 0.07	13 0.04	13 0.02
Kd of Pu-238 in Contaminated Zone	2 -0.20	2 -0.19	1 -0.72	1 -0.65
Kd of Pu-238 in Saturated Zone	7 -0.07	7 -0.07	3 -0.17	3 -0.11
Well pump intake depth	1 -0.30	1 -0.29	2 -0.52	2 -0.38
R-SQUARE	0.17	0.17	0.61	0.61

-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 PU-238.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	12	-0.04	12	-0.04	10	-0.06	10	-0.04
Contaminated zone b parameter	10	0.04	10	0.04	7	-0.10	7	-0.06
Evapotranspiration coefficient	14	-0.02	14	-0.02	5	-0.12	5	-0.08
Wind Speed	4	0.08	4	0.08	6	0.12	6	0.08
Runoff coefficient	13	0.03	13	0.03	17	0.02	17	0.01
b Parameter of Unsaturated zone 1	18	0.00	18	0.00	9	0.08	9	0.05
Mass loading for inhalation	11	0.04	11	0.04	8	-0.08	8	-0.05
Indoor dust filtration factor	5	0.06	5	0.05	15	-0.02	15	-0.01
Depth of soil mixing layer	7	0.05	8	-0.04	12	0.03	12	0.02
Depth of roots	6	-0.05	6	-0.04	11	-0.05	11	-0.03
Wet weight crop yield of fruit, grain and non-leafy vegetables	17	-0.01	17	-0.01	16	0.02	16	0.01
Weathering removal constant of all vegetation	9	0.05	9	0.04	13	0.03	13	0.02
Wet foliar interception fraction of leafy vegetables	16	-0.02	16	-0.01	18	0.01	18	0.01
Humidity in air	15	0.02	15	0.02	14	0.03	14	0.02
Cover erosion rate	2	0.23	2	0.23	4	0.14	4	0.09
Kd of Pu-238 in Contaminated Zone	3	-0.13	3	-0.12	1	-0.68	1	-0.61
Kd of Pu-238 in Saturated Zone	8	-0.05	7	-0.04	3	-0.30	3	-0.20
Well pump intake depth	1	-0.24	1	-0.23	2	-0.52	2	-0.40

R-SQUARE 0.15 0.15 0.58 0.58

-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 PU-238.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 -0.01	9 0.05	9 0.03
Contaminated zone b parameter	18 0.00	18 0.00	14 0.00	14 0.00
Evapotranspiration coefficient	5 -0.09	5 -0.09	13 -0.01	13 -0.01
Wind Speed	3 -0.10	3 -0.09	6 -0.09	6 -0.06
Runoff coefficient	11 0.02	11 0.01	7 -0.06	8 -0.04
b Parameter of Unsaturated zone 1	16 -0.01	16 -0.01	12 0.03	12 0.02
Mass loading for inhalation	13 -0.01	13 -0.01	18 0.00	18 0.00
Indoor dust filtration factor	10 -0.02	10 -0.02	8 0.06	7 0.04
Depth of soil mixing layer	4 -0.10	4 -0.09	11 -0.03	11 -0.02
Depth of roots	7 -0.06	8 -0.06	5 -0.11	5 -0.07
Wet weight crop yield of fruit, grain and non-leafy vegetables	12 -0.02	12 -0.01	10 -0.03	10 -0.02
Weathering removal constant of all vegetation	17 0.00	17 0.00	15 0.00	15 0.00
Wet foliar interception fraction of leafy vegetables	15 0.01	15 0.01	16 0.00	16 0.00
Humidity in air	9 -0.03	9 -0.03	17 0.00	17 0.00
Cover erosion rate	8 0.06	7 0.06	3 0.25	3 0.17
Kd of Pu-238 in Contaminated Zone	2 -0.11	2 -0.11	1 -0.66	1 -0.59
Kd of Pu-238 in Saturated Zone	6 -0.07	6 -0.06	4 -0.20	4 -0.14
Well pump intake depth	1 -0.32	1 -0.31	2 -0.51	2 -0.39

R-SQUARE 0.15 0.15 0.56 0.56

-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.