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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



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
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 Risk Summary

Nuclide		RISK(j,t)							
(j)	t=	0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
<hr/>									
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
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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 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
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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
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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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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
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	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
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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
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 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
<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		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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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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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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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
TOTAL									
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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TOTAL 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
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
U-235									
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

U-235 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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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
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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	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.



Probabilistic Dose vs Pathway(i): Water Ingestion

Nuclide	DOSE(i,j,t), mrem/yr								
(j)	t= 0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03	
<hr/>									
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	
<hr/>									
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	
<hr/>									
ALL is total pathway dose summed for all nuclides.									



Probabilistic Dose vs Pathway(i): Fish Ingestion

Nuclide		DOSE(i,j,t), mrem/yr							
(j)	t=	0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
<hr/>									
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
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ALL is total pathway dose summed for all nuclides.



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

Nuclide		DOSE(i,j,t), mrem/yr							
(j)	t=	0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
<hr/>									
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
TOTAL									
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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TOTAL 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							
(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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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
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 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
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
U-235									
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

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							
(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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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
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



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	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
2.34E+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
2.47E+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
2.62E+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
2.77E+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
2.93E+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



6.60E+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



6.99E+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



6.01E+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



8.93E+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



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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 PU-238.RAD

Summary of dose at graphical times, reptition 2								
Time	Dose statistics at graphical times, mrem/yr							
Years	Minimum	Maximum	Mean	Median	90%	95%	97.5%	99%
0.00E+00	1.87E-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
2.34E+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
2.47E+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
2.62E+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
2.77E+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
5.78E+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



6.60E+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



6.99E+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



6.01E+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



8.93E+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



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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	1.55E-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
2.34E+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
2.47E+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
2.62E+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
2.77E+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
2.93E+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
3.10E+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
3.28E+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



6.60E+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



6.99E+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



6.01E+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



8.93E+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



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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 PU-238.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	1.803E-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
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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
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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 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
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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
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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.