

Probabilistic results summary : RESRAD Default Parameters

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Probabilistic Input

Number of Sample Runs: 1500

Number	Name	Distribution	Parameters																				
1	VCZ	CONTINUOUS LOGARITHMIC4	5.E-8	0	.0007	.22	.005	.95	.2	1													
2	BCZ	BOUNDED LOGNORMAL-N	1.28	.334	1.28	10.1																	
3	EVAPTR	UNIFORM	.5	.99																			
4	WIND	UNIFORM	2.8	4.7																			
5	RUNOFF	UNIFORM	.1	.8																			
6	BUZ(1)	BOUNDED LOGNORMAL-N	1.28	.334	1.28	10.1																	
7	MLINH	CONTINUOUS LINEAR	8	0	0	.000008	.0151	.000016	.1365	.00003	.8119	.00004	.9495	.00006	.9937	.000076	.9983	.0001	1				
8	SHF3	UNIFORM	.15	.95																			
9	DM	TRIANGULAR	0	.15																.6			
10	DROOT	UNIFORM	.3	4																			
11	YV(1)	TRUNCATED LOGNORMAL-N	.56	.48																.001	.999		
12	WLAM	TRIANGULAR	5.1	18																84			
13	RWET(2)	TRIANGULAR	.06	.67																.95			
14	HUMID	TRUNCATED LOGNORMAL-N	1.98	.334	.001	.999																	
15	VCV	CONTINUOUS LOGARITHMIC4	5.E-8	0	.0007	.22														.005	.95	.2	1
16	DCACTC(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

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-239										
Min	0.00E+00	7.17E-04	4.72E-05	4.82E-05	5.03E-05	5.75E-05	7.18E-05	4.77E-05	1.21E-10	3.04E-12
Max	1.00E+03	6.83E-01	6.83E-01	6.18E-01	5.07E-01	2.58E-01	4.08E-01	2.69E-01	1.08E-01	6.38E-02
Avg	1.64E+02	3.03E-02	1.94E-02	1.84E-02	1.75E-02	1.64E-02	1.63E-02	1.62E-02	1.26E-02	4.82E-03
Std	2.47E+02	4.24E-02	3.29E-02	2.69E-02	2.16E-02	1.77E-02	2.33E-02	2.29E-02	1.37E-02	6.04E-03
ALL										
Min	0.00E+00	7.17E-04	4.72E-05	4.82E-05	5.03E-05	5.75E-05	7.18E-05	4.77E-05	1.21E-10	3.04E-12
Max	1.00E+03	6.83E-01	6.83E-01	6.18E-01	5.07E-01	2.58E-01	4.08E-01	2.69E-01	1.08E-01	6.38E-02
Avg	1.64E+02	3.03E-02	1.94E-02	1.84E-02	1.75E-02	1.64E-02	1.63E-02	1.62E-02	1.26E-02	4.82E-03
Std	2.47E+02	4.24E-02	3.29E-02	2.69E-02	2.16E-02	1.77E-02	2.33E-02	2.29E-02	1.37E-02	6.04E-03

ALL is total dose summed for all nuclides.

Probabilistic Risk Summary

Nuclide		RISK(j,t)							
(j)	t=	0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
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Pu-239									
Min		5.09E-11	5.54E-11	5.78E-11	6.62E-11	8.40E-11	5.53E-11	9.24E-16	2.16E-18
Max		8.32E-07	7.52E-07	6.17E-07	3.14E-07	4.77E-07	3.22E-07	1.26E-07	9.75E-08
Avg		2.59E-08	2.43E-08	2.29E-08	2.12E-08	2.08E-08	2.02E-08	1.56E-08	5.89E-09
Std		4.57E-08	3.43E-08	2.64E-08	2.10E-08	2.72E-08	2.70E-08	1.65E-08	7.70E-09
ALL									
Min		5.09E-11	5.54E-11	5.78E-11	6.62E-11	8.40E-11	5.53E-11	9.24E-16	2.16E-18
Max		8.32E-07	7.52E-07	6.17E-07	3.14E-07	4.77E-07	3.22E-07	1.26E-07	9.75E-08
Avg		2.59E-08	2.43E-08	2.29E-08	2.12E-08	2.08E-08	2.02E-08	1.56E-08	5.89E-09
Std		4.57E-08	3.43E-08	2.64E-08	2.10E-08	2.72E-08	2.70E-08	1.65E-08	7.70E-09
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ALL is total risk summed for all nuclides.

Probabilistic Dose vs Pathway(i): Ground External

Nuclide		DOSE(i,j,t), mrem/yr							
(j)	t=	0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
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Pu-239									
Min		2.16E-15	2.59E-17	7.62E-21	4.21E-21	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		1.17E-13	5.53E-12	1.24E-08	6.51E-05	6.50E-05	5.71E-05	6.31E-05	6.13E-05
Avg		1.04E-14	2.61E-14	1.76E-11	4.93E-07	4.38E-07	2.81E-07	7.38E-07	6.80E-07
Std		5.80E-15	2.13E-13	3.67E-10	4.99E-06	4.16E-06	3.12E-06	4.83E-06	4.60E-06
ALL									
Min		2.16E-15	2.59E-17	7.62E-21	4.21E-21	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		1.17E-13	5.53E-12	1.24E-08	6.51E-05	6.50E-05	5.71E-05	6.31E-05	6.13E-05
Avg		1.04E-14	2.61E-14	1.76E-11	4.93E-07	4.38E-07	2.81E-07	7.38E-07	6.80E-07
Std		5.80E-15	2.13E-13	3.67E-10	4.99E-06	4.16E-06	3.12E-06	4.83E-06	4.60E-06
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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
Pu-239									
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	9.40E-07	8.34E-04	7.07E-04	3.04E-03	1.21E-03	1.07E-03
Avg		0.00E+00	0.00E+00	6.26E-10	3.31E-06	2.75E-06	4.21E-06	1.29E-05	7.76E-06
Std		0.00E+00	0.00E+00	2.43E-08	3.89E-05	3.40E-05	8.38E-05	6.85E-05	5.45E-05
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	9.40E-07	8.34E-04	7.07E-04	3.04E-03	1.21E-03	1.07E-03
Avg		0.00E+00	0.00E+00	6.26E-10	3.31E-06	2.75E-06	4.21E-06	1.29E-05	7.76E-06
Std		0.00E+00	0.00E+00	2.43E-08	3.89E-05	3.40E-05	8.38E-05	6.85E-05	5.45E-05

ALL is total pathway dose summed for all nuclides.

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

Nuclide		DOSE(i,j,t), mrem/yr							
(j)	t=	0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
Pu-239									
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
Pu-239									
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		1.95E-02	1.95E-02	2.84E-02	2.55E-02	4.14E-02	2.68E-02	5.21E-02	4.28E-02
Avg		7.51E-03	7.37E-03	7.15E-03	6.44E-03	5.30E-03	3.75E-03	2.29E-03	5.34E-04
Std		5.08E-03	5.00E-03	4.97E-03	4.83E-03	4.77E-03	4.53E-03	4.44E-03	2.43E-03
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		1.95E-02	1.95E-02	2.84E-02	2.55E-02	4.14E-02	2.68E-02	5.21E-02	4.28E-02
Avg		7.51E-03	7.37E-03	7.15E-03	6.44E-03	5.30E-03	3.75E-03	2.29E-03	5.34E-04
Std		5.08E-03	5.00E-03	4.97E-03	4.83E-03	4.77E-03	4.53E-03	4.44E-03	2.43E-03

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-239									
Min		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		3.20E-06	3.20E-06	4.70E-06	3.61E-04	3.26E-04	8.92E-04	4.70E-04	1.37E-03
Avg		1.24E-06	1.21E-06	1.18E-06	2.81E-06	2.56E-06	2.17E-06	7.04E-06	4.50E-06
Std		8.37E-07	8.23E-07	8.18E-07	1.76E-05	1.83E-05	2.58E-05	3.31E-05	4.30E-05
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ALL									
Min		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		3.20E-06	3.20E-06	4.70E-06	3.61E-04	3.26E-04	8.92E-04	4.70E-04	1.37E-03
Avg		1.24E-06	1.21E-06	1.18E-06	2.81E-06	2.56E-06	2.17E-06	7.04E-06	4.50E-06
Std		8.37E-07	8.23E-07	8.18E-07	1.76E-05	1.83E-05	2.58E-05	3.31E-05	4.30E-05
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ALL is total pathway dose summed for all nuclides.

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

Nuclide	DOSE(i,j,t), mrem/yr								
	(j)	t= 0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
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Pu-239									
Min		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		3.26E-07	3.26E-07	4.99E-07	1.58E-05	1.45E-05	3.90E-05	2.05E-05	6.00E-05
Avg		1.26E-07	1.24E-07	1.20E-07	1.86E-07	1.62E-07	1.30E-07	3.29E-07	2.01E-07
Std		8.52E-08	8.37E-08	8.33E-08	7.81E-07	8.06E-07	1.13E-06	1.46E-06	1.89E-06
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		3.26E-07	3.26E-07	4.99E-07	1.58E-05	1.45E-05	3.90E-05	2.05E-05	6.00E-05
Avg		1.26E-07	1.24E-07	1.20E-07	1.86E-07	1.62E-07	1.30E-07	3.29E-07	2.01E-07
Std		8.52E-08	8.37E-08	8.33E-08	7.81E-07	8.06E-07	1.13E-06	1.46E-06	1.89E-06
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TOTAL 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-239									
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	1.34E-05	9.06E-03	8.07E-03	2.24E-02	1.18E-02	3.44E-02
Avg		0.00E+00	0.00E+00	8.95E-09	4.50E-05	4.25E-05	3.90E-05	1.68E-04	1.11E-04
Std		0.00E+00	0.00E+00	3.47E-07	4.44E-04	4.58E-04	6.49E-04	8.26E-04	1.08E-03
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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		0.00E+00	0.00E+00	1.34E-05	9.06E-03	8.07E-03	2.24E-02	1.18E-02	3.44E-02
Avg		0.00E+00	0.00E+00	8.95E-09	4.50E-05	4.25E-05	3.90E-05	1.68E-04	1.11E-04
Std		0.00E+00	0.00E+00	3.47E-07	4.44E-04	4.58E-04	6.49E-04	8.26E-04	1.08E-03
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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
Pu-239									
Min		2.96E-05	2.99E-05	3.07E-05	3.33E-05	4.09E-05	4.56E-05	1.12E-10	2.71E-12
Max		6.53E-01	5.91E-01	4.85E-01	2.47E-01	3.66E-01	2.34E-01	1.00E-01	2.90E-02
Avg		1.09E-02	1.02E-02	9.50E-03	9.08E-03	1.01E-02	1.14E-02	9.32E-03	3.81E-03
Std		3.08E-02	2.51E-02	2.01E-02	1.65E-02	2.17E-02	2.13E-02	1.24E-02	4.75E-03
U-235									
Min		2.96E-05	2.99E-05	3.07E-05	3.33E-05	4.09E-05	4.56E-05	1.12E-10	2.71E-12
Max		6.53E-01	5.91E-01	4.85E-01	2.47E-01	3.66E-01	2.34E-01	1.00E-01	2.90E-02
Avg		1.09E-02	1.02E-02	9.50E-03	9.08E-03	1.01E-02	1.14E-02	9.32E-03	3.81E-03
Std		3.08E-02	2.51E-02	2.01E-02	1.65E-02	2.17E-02	2.13E-02	1.24E-02	4.75E-03

ALL is total pathway dose summed for all nuclides.

Probabilistic Dose vs Pathway(i): Fish Ingestion

Nuclide		DOSE(i,j,t), mrem/yr							
(j)	t=	0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
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Pu-239									
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
Pu-239									
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-239.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-239									
Min		1.53E-06	1.83E-06	1.95E-06	2.23E-06	3.02E-06	2.10E-06	8.59E-12	1.78E-13
Max		2.65E-02	2.05E-02	1.68E-02	2.20E-02	3.81E-02	3.30E-02	1.17E-02	7.00E-03
Avg		9.25E-04	8.74E-04	8.29E-04	8.09E-04	9.02E-04	1.02E-03	8.42E-04	3.54E-04
Std		2.07E-03	1.77E-03	1.55E-03	1.51E-03	2.06E-03	2.13E-03	1.29E-03	5.68E-04
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ALL									
Min		1.53E-06	1.83E-06	1.95E-06	2.23E-06	3.02E-06	2.10E-06	8.59E-12	1.78E-13
Max		2.65E-02	2.05E-02	1.68E-02	2.20E-02	3.81E-02	3.30E-02	1.17E-02	7.00E-03
Avg		9.25E-04	8.74E-04	8.29E-04	8.09E-04	9.02E-04	1.02E-03	8.42E-04	3.54E-04
Std		2.07E-03	1.77E-03	1.55E-03	1.51E-03	2.06E-03	2.13E-03	1.29E-03	5.68E-04
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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-239									
Min		4.87E-09	4.90E-09	4.94E-09	5.11E-09	5.58E-09	6.00E-09	7.71E-14	1.07E-14
Max		7.28E-05	6.60E-05	5.41E-05	3.05E-05	5.30E-05	3.79E-05	1.42E-05	3.89E-06
Avg		1.46E-06	1.36E-06	1.27E-06	1.21E-06	1.35E-06	1.53E-06	1.25E-06	5.14E-07
Std		3.88E-06	3.14E-06	2.53E-06	2.17E-06	2.92E-06	2.88E-06	1.66E-06	6.49E-07
ALL									
Min		4.87E-09	4.90E-09	4.94E-09	5.11E-09	5.58E-09	6.00E-09	7.71E-14	1.07E-14
Max		7.28E-05	6.60E-05	5.41E-05	3.05E-05	5.30E-05	3.79E-05	1.42E-05	3.89E-06
Avg		1.46E-06	1.36E-06	1.27E-06	1.21E-06	1.35E-06	1.53E-06	1.25E-06	5.14E-07
Std		3.88E-06	3.14E-06	2.53E-06	2.17E-06	2.92E-06	2.88E-06	1.66E-06	6.49E-07

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-239.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-239									
Min		3.07E-10	3.14E-10	3.27E-10	3.45E-10	3.77E-10	3.71E-10	2.54E-13	2.32E-16
Max		4.58E-06	4.14E-06	3.40E-06	2.21E-06	3.83E-06	2.85E-06	1.01E-06	2.91E-07
Avg		1.01E-07	9.42E-08	8.80E-08	8.46E-08	9.42E-08	1.07E-07	8.73E-08	3.60E-08
Std		2.60E-07	2.11E-07	1.72E-07	1.51E-07	2.06E-07	2.04E-07	1.17E-07	4.62E-08
ΣALL									
Min		3.07E-10	3.14E-10	3.27E-10	3.45E-10	3.77E-10	3.71E-10	2.54E-13	2.32E-16
Max		4.58E-06	4.14E-06	3.40E-06	2.21E-06	3.83E-06	2.85E-06	1.01E-06	2.91E-07
Avg		1.01E-07	9.42E-08	8.80E-08	8.46E-08	9.42E-08	1.07E-07	8.73E-08	3.60E-08
Std		2.60E-07	2.11E-07	1.72E-07	1.51E-07	2.06E-07	2.04E-07	1.17E-07	4.62E-08
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ΣALL is total pathway dose summed for all nuclides.

Probabilistic results summary : RESRAD Default Parameters

File : C:\USERS\DNF\DOCUMENTS\FT CALHOUN\RESRAD INPUT FILES\BP INSITU UA\FCS BURIED PIPE INSITU UA PU-239.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	5.26E-04	5.63E-04	5.76E-04	6.84E-04	6.86E-04	6.28E-04	2.41E-04	1.89E-11
0.050	1.19E-03	1.29E-03	1.41E-03	1.65E-03	1.55E-03	1.29E-03	5.23E-04	4.50E-11
0.075	1.94E-03	2.12E-03	2.46E-03	2.75E-03	2.48E-03	1.74E-03	8.13E-04	6.21E-11
0.100	3.42E-03	3.61E-03	3.87E-03	4.52E-03	3.31E-03	2.27E-03	1.17E-03	9.95E-11
0.125	5.43E-03	5.54E-03	5.92E-03	6.00E-03	4.59E-03	2.87E-03	1.54E-03	2.27E-10
0.150	6.32E-03	6.36E-03	6.51E-03	6.44E-03	5.55E-03	3.46E-03	1.81E-03	4.07E-06
0.175	6.96E-03	6.96E-03	7.00E-03	6.92E-03	6.06E-03	4.07E-03	2.22E-03	6.60E-05
0.200	7.49E-03	7.48E-03	7.56E-03	7.45E-03	6.39E-03	4.57E-03	2.73E-03	2.35E-04
0.225	7.92E-03	7.99E-03	8.04E-03	7.92E-03	6.82E-03	5.03E-03	3.15E-03	3.85E-04
0.250	8.30E-03	8.35E-03	8.42E-03	8.29E-03	7.21E-03	5.52E-03	3.54E-03	5.42E-04
0.275	8.71E-03	8.76E-03	8.82E-03	8.65E-03	7.66E-03	5.87E-03	4.06E-03	6.96E-04
0.300	9.07E-03	9.13E-03	9.17E-03	8.96E-03	8.14E-03	6.36E-03	4.57E-03	8.76E-04
0.325	9.64E-03	9.71E-03	9.71E-03	9.39E-03	8.44E-03	6.77E-03	4.94E-03	1.09E-03
0.350	1.01E-02	1.01E-02	1.01E-02	9.78E-03	8.85E-03	7.32E-03	5.44E-03	1.29E-03
0.375	1.07E-02	1.07E-02	1.07E-02	1.02E-02	9.23E-03	7.78E-03	5.87E-03	1.50E-03
0.400	1.12E-02	1.11E-02	1.11E-02	1.07E-02	9.63E-03	8.08E-03	6.40E-03	1.68E-03
0.425	1.16E-02	1.17E-02	1.17E-02	1.13E-02	1.02E-02	8.54E-03	7.02E-03	1.89E-03
0.450	1.21E-02	1.22E-02	1.22E-02	1.16E-02	1.06E-02	9.02E-03	7.58E-03	2.12E-03
0.475	1.27E-02	1.27E-02	1.28E-02	1.22E-02	1.10E-02	9.59E-03	7.94E-03	2.42E-03
0.500	1.32E-02	1.34E-02	1.33E-02	1.27E-02	1.14E-02	1.01E-02	8.43E-03	2.76E-03
0.525	1.38E-02	1.40E-02	1.38E-02	1.31E-02	1.18E-02	1.07E-02	8.97E-03	3.03E-03
0.550	1.43E-02	1.44E-02	1.44E-02	1.36E-02	1.22E-02	1.12E-02	9.53E-03	3.35E-03
0.575	1.48E-02	1.49E-02	1.49E-02	1.42E-02	1.27E-02	1.20E-02	1.02E-02	3.65E-03
0.600	1.54E-02	1.54E-02	1.54E-02	1.47E-02	1.32E-02	1.26E-02	1.10E-02	3.97E-03
0.625	1.60E-02	1.60E-02	1.59E-02	1.51E-02	1.41E-02	1.33E-02	1.18E-02	4.38E-03
0.650	1.65E-02	1.66E-02	1.66E-02	1.56E-02	1.48E-02	1.40E-02	1.27E-02	4.73E-03
0.675	1.71E-02	1.72E-02	1.72E-02	1.64E-02	1.53E-02	1.47E-02	1.34E-02	5.25E-03
0.700	1.78E-02	1.80E-02	1.78E-02	1.69E-02	1.59E-02	1.55E-02	1.43E-02	5.81E-03
0.725	1.87E-02	1.87E-02	1.87E-02	1.77E-02	1.70E-02	1.66E-02	1.54E-02	6.27E-03
0.750	1.98E-02	1.96E-02	1.95E-02	1.82E-02	1.78E-02	1.77E-02	1.67E-02	7.07E-03
0.775	2.09E-02	2.09E-02	2.06E-02	1.92E-02	1.86E-02	1.88E-02	1.78E-02	7.52E-03
0.800	2.20E-02	2.19E-02	2.18E-02	2.04E-02	1.96E-02	2.05E-02	1.92E-02	8.24E-03
0.825	2.34E-02	2.33E-02	2.30E-02	2.16E-02	2.10E-02	2.23E-02	2.10E-02	8.97E-03
0.850	2.61E-02	2.53E-02	2.50E-02	2.35E-02	2.26E-02	2.46E-02	2.32E-02	9.73E-03
0.875	3.00E-02	2.84E-02	2.82E-02	2.57E-02	2.52E-02	2.78E-02	2.64E-02	1.11E-02
0.900	3.45E-02	3.37E-02	3.24E-02	2.89E-02	2.84E-02	3.20E-02	2.91E-02	1.25E-02
0.925	4.24E-02	4.02E-02	3.69E-02	3.34E-02	3.27E-02	3.96E-02	3.28E-02	1.46E-02
0.950	5.22E-02	5.10E-02	4.78E-02	4.40E-02	4.11E-02	5.11E-02	4.19E-02	1.70E-02
0.975	8.03E-02	7.60E-02	6.19E-02	5.87E-02	7.30E-02	7.83E-02	5.11E-02	2.15E-02
1.000	6.83E-01	6.18E-01	5.07E-01	2.58E-01	4.08E-01	2.69E-01	1.08E-01	6.38E-02

Summary of dose at graphical times, reptition 1								
Time	Dose statistics at graphical times, mrem/yr							
Years	Minimum	Maximum	Mean	Median	90%	95%	97.5%	99%
0.00E+00	5.93E-05	4.27E-01	1.88E-02	1.32E-02	3.37E-02	5.25E-02	8.38E-02	1.08E-01
1.00E+00	6.14E-05	1.89E-01	1.79E-02	1.33E-02	3.35E-02	5.36E-02	7.85E-02	1.01E-01
1.06E+00	6.15E-05	1.81E-01	1.79E-02	1.33E-02	3.34E-02	5.41E-02	7.78E-02	1.01E-01
1.12E+00	6.17E-05	1.72E-01	1.79E-02	1.33E-02	3.31E-02	5.43E-02	7.71E-02	1.00E-01
1.19E+00	6.18E-05	1.67E-01	1.78E-02	1.33E-02	3.31E-02	5.42E-02	7.68E-02	9.99E-02
1.25E+00	6.19E-05	1.65E-01	1.78E-02	1.33E-02	3.31E-02	5.42E-02	7.66E-02	9.95E-02
1.33E+00	6.21E-05	1.63E-01	1.78E-02	1.33E-02	3.30E-02	5.41E-02	7.64E-02	9.90E-02
1.40E+00	6.23E-05	1.61E-01	1.77E-02	1.33E-02	3.30E-02	5.40E-02	7.61E-02	9.86E-02
1.49E+00	6.24E-05	1.59E-01	1.77E-02	1.33E-02	3.32E-02	5.35E-02	7.62E-02	9.81E-02
1.57E+00	6.26E-05	1.58E-01	1.76E-02	1.33E-02	3.32E-02	5.18E-02	7.63E-02	9.76E-02
1.66E+00	6.28E-05	1.57E-01	1.76E-02	1.33E-02	3.30E-02	5.15E-02	7.65E-02	9.70E-02
1.76E+00	6.30E-05	1.56E-01	1.76E-02	1.33E-02	3.29E-02	5.12E-02	7.66E-02	9.65E-02
1.86E+00	6.32E-05	1.55E-01	1.75E-02	1.33E-02	3.28E-02	5.10E-02	7.68E-02	9.59E-02
1.97E+00	6.35E-05	1.55E-01	1.75E-02	1.33E-02	3.28E-02	5.06E-02	7.69E-02	9.01E-02
2.09E+00	6.37E-05	1.54E-01	1.74E-02	1.33E-02	3.26E-02	5.05E-02	7.71E-02	9.00E-02
2.21E+00	6.40E-05	1.53E-01	1.74E-02	1.33E-02	3.26E-02	5.04E-02	7.61E-02	8.99E-02
2.34E+00	6.42E-05	1.52E-01	1.73E-02	1.34E-02	3.22E-02	5.01E-02	7.33E-02	9.01E-02
2.47E+00	6.45E-05	1.51E-01	1.73E-02	1.34E-02	3.17E-02	5.00E-02	7.25E-02	9.10E-02
2.62E+00	6.48E-05	1.50E-01	1.72E-02	1.33E-02	3.15E-02	4.97E-02	7.16E-02	9.18E-02
2.77E+00	6.51E-05	1.49E-01	1.72E-02	1.33E-02	3.13E-02	4.90E-02	7.18E-02	9.10E-02
2.93E+00	6.55E-05	1.47E-01	1.72E-02	1.32E-02	3.11E-02	4.80E-02	7.20E-02	9.02E-02
3.00E+00	6.56E-05	1.47E-01	1.71E-02	1.32E-02	3.10E-02	4.81E-02	7.20E-02	8.98E-02
3.10E+00	6.58E-05	1.46E-01	1.71E-02	1.33E-02	3.08E-02	4.90E-02	7.21E-02	8.93E-02
3.28E+00	6.62E-05	1.45E-01	1.71E-02	1.32E-02	3.07E-02	4.92E-02	7.12E-02	8.88E-02
3.48E+00	6.66E-05	1.44E-01	1.71E-02	1.33E-02	3.06E-02	4.91E-02	7.03E-02	8.86E-02
3.68E+00	6.70E-05	1.45E-01	1.71E-02	1.32E-02	3.06E-02	4.94E-02	6.97E-02	8.85E-02
3.89E+00	6.75E-05	1.46E-01	1.70E-02	1.31E-02	3.14E-02	4.94E-02	6.91E-02	8.89E-02
4.12E+00	6.80E-05	1.46E-01	1.70E-02	1.31E-02	3.13E-02	4.88E-02	7.32E-02	8.94E-02
4.36E+00	6.85E-05	1.47E-01	1.70E-02	1.30E-02	3.14E-02	4.85E-02	7.23E-02	8.99E-02
4.61E+00	6.90E-05	1.48E-01	1.70E-02	1.31E-02	3.13E-02	4.82E-02	7.13E-02	9.04E-02
4.88E+00	6.96E-05	1.49E-01	1.69E-02	1.31E-02	3.10E-02	4.80E-02	7.03E-02	9.11E-02
5.17E+00	7.02E-05	1.50E-01	1.69E-02	1.30E-02	3.08E-02	4.78E-02	6.92E-02	9.25E-02
5.47E+00	7.08E-05	1.50E-01	1.68E-02	1.30E-02	3.08E-02	4.76E-02	7.03E-02	9.21E-02
5.78E+00	7.15E-05	1.51E-01	1.68E-02	1.30E-02	3.03E-02	4.73E-02	7.13E-02	9.27E-02
6.12E+00	7.22E-05	1.52E-01	1.68E-02	1.29E-02	2.98E-02	4.70E-02	7.08E-02	9.33E-02
6.48E+00	7.29E-05	1.52E-01	1.67E-02	1.29E-02	2.97E-02	4.67E-02	6.89E-02	9.40E-02
6.86E+00	7.37E-05	1.53E-01	1.67E-02	1.29E-02	2.94E-02	4.72E-02	6.77E-02	9.47E-02
7.26E+00	7.46E-05	1.54E-01	1.66E-02	1.28E-02	2.95E-02	4.81E-02	6.88E-02	9.54E-02
7.68E+00	7.54E-05	1.54E-01	1.66E-02	1.28E-02	2.96E-02	4.67E-02	6.72E-02	9.61E-02
8.13E+00	7.64E-05	1.55E-01	1.66E-02	1.27E-02	2.99E-02	4.55E-02	6.62E-02	9.69E-02
8.60E+00	7.74E-05	1.55E-01	1.65E-02	1.27E-02	3.01E-02	4.51E-02	6.52E-02	9.77E-02
9.10E+00	7.84E-05	1.56E-01	1.65E-02	1.26E-02	3.01E-02	4.39E-02	6.41E-02	9.97E-02
9.63E+00	7.95E-05	1.56E-01	1.64E-02	1.26E-02	3.06E-02	4.48E-02	6.30E-02	1.04E-01
1.00E+01	8.03E-05	1.56E-01	1.64E-02	1.26E-02	3.03E-02	4.55E-02	6.28E-02	1.04E-01
1.02E+01	8.07E-05	1.56E-01	1.64E-02	1.26E-02	3.01E-02	4.56E-02	6.29E-02	1.03E-01
1.08E+01	8.20E-05	1.57E-01	1.64E-02	1.26E-02	2.96E-02	4.43E-02	6.35E-02	1.01E-01
1.14E+01	8.33E-05	1.57E-01	1.63E-02	1.25E-02	2.94E-02	4.43E-02	6.41E-02	1.02E-01
1.21E+01	8.47E-05	1.57E-01	1.63E-02	1.23E-02	2.92E-02	4.40E-02	6.48E-02	1.03E-01
1.28E+01	8.61E-05	1.57E-01	1.63E-02	1.22E-02	2.90E-02	4.28E-02	6.59E-02	1.04E-01
1.35E+01	8.77E-05	1.57E-01	1.62E-02	1.21E-02	2.94E-02	4.18E-02	6.79E-02	1.05E-01
1.43E+01	8.93E-05	1.62E-01	1.62E-02	1.21E-02	2.90E-02	4.18E-02	6.99E-02	1.06E-01
1.51E+01	9.11E-05	1.67E-01	1.62E-02	1.20E-02	2.84E-02	4.16E-02	7.05E-02	1.07E-01
1.60E+01	9.29E-05	1.73E-01	1.62E-02	1.21E-02	2.84E-02	4.20E-02	6.94E-02	1.08E-01
1.70E+01	9.49E-05	1.78E-01	1.62E-02	1.20E-02	2.88E-02	4.25E-02	6.83E-02	1.09E-01
1.80E+01	9.69E-05	1.84E-01	1.62E-02	1.18E-02	2.79E-02	4.07E-02	6.71E-02	1.10E-01
1.90E+01	9.91E-05	1.89E-01	1.62E-02	1.18E-02	2.79E-02	4.17E-02	6.60E-02	1.12E-01

2.01E+01 1.01E-04 1.95E-01 1.62E-02 1.16E-02 2.78E-02 4.18E-02 6.64E-02 1.13E-01

2.13E+01	1.04E-04	2.01E-01	1.62E-02	1.16E-02	2.78E-02	4.24E-02	6.82E-02	1.14E-01
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2.25E+01 1.06E-04 2.07E-01 1.62E-02 1.15E-02 2.72E-02 4.31E-02 7.00E-02 1.15E-01

2.38E+01 1.09E-04 2.12E-01 1.63E-02 1.16E-02 2.74E-02 4.27E-02 7.22E-02 1.20E-01

2.52E+01 1.12E-04 2.18E-01 1.63E-02 1.15E-02 2.69E-02 4.17E-02 7.46E-02 1.25E-01

2.67E+01 7.18E-05 2.24E-01 1.63E-02 1.15E-02 2.69E-02 4.03E-02 7.66E-02 1.31E-01

2.82E+01 7.18E-05 2.30E-01 1.64E-02 1.15E-02 2.68E-02 4.03E-02 7.74E-02 1.37E-01

2.99E+01 7.18E-05 2.36E-01 1.65E-02 1.14E-02 2.70E-02 4.07E-02 7.82E-02 1.43E-01

3.00E+01 7.18E-05 2.37E-01 1.65E-02 1.14E-02 2.70E-02 4.07E-02 7.83E-02 1.43E-01

3.16E+01 7.18E-05 2.42E-01 1.65E-02 1.13E-02 2.75E-02 4.05E-02 7.90E-02 1.49E-01

3.35E+01 7.18E-05 2.48E-01 1.65E-02 1.12E-02 2.73E-02 4.07E-02 7.98E-02 1.56E-01

3.54E+01 7.18E-05 2.54E-01 1.65E-02 1.12E-02 2.71E-02 4.03E-02 8.05E-02 1.58E-01

3.75E+01 7.18E-05 2.59E-01 1.65E-02 1.11E-02 2.73E-02 4.07E-02 8.12E-02 1.54E-01

3.97E+01 7.18E-05 2.65E-01 1.65E-02 1.10E-02 2.74E-02 4.16E-02 8.19E-02 1.54E-01

4.20E+01 7.18E-05 2.70E-01 1.65E-02 1.10E-02 2.74E-02 4.09E-02 8.25E-02 1.58E-01

4.44E+01 7.18E-05 2.75E-01 1.65E-02 1.09E-02 2.73E-02 3.94E-02 8.30E-02 1.58E-01

4.70E+01 7.18E-05 2.80E-01 1.65E-02 1.08E-02 2.72E-02 4.00E-02 8.36E-02 1.54E-01

4.97E+01 7.18E-05 2.85E-01 1.65E-02 1.07E-02 2.74E-02 4.07E-02 8.41E-02 1.41E-01

5.26E+01 7.18E-05 2.89E-01 1.65E-02 1.06E-02 2.77E-02 4.14E-02 8.24E-02 1.42E-01

5.57E+01 7.18E-05 2.94E-01 1.65E-02 1.08E-02 2.76E-02 4.20E-02 8.22E-02 1.45E-01

5.90E+01 7.18E-05 2.98E-01 1.65E-02 1.08E-02 2.79E-02 4.27E-02 8.39E-02 1.51E-01

6.24E+01 7.17E-05 3.01E-01 1.65E-02 1.07E-02 2.76E-02 4.40E-02 8.56E-02 1.55E-01

6.60E+01 7.17E-05 3.05E-01 1.64E-02 1.06E-02 2.77E-02 4.54E-02 8.54E-02 1.52E-01

6.99E+01 7.17E-05 3.08E-01 1.64E-02 1.04E-02 2.85E-02 4.44E-02 8.43E-02 1.49E-01

7.39E+01 7.17E-05 2.68E-01 1.63E-02 1.04E-02 2.90E-02 4.51E-02 8.48E-02 1.48E-01

7.82E+01 7.17E-05 2.28E-01 1.62E-02 1.04E-02 2.90E-02 4.57E-02 8.52E-02 1.48E-01

8.28E+01 7.17E-05 1.92E-01 1.61E-02 1.04E-02 2.89E-02 4.63E-02 8.56E-02 1.49E-01

8.76E+01 7.17E-05 1.65E-01 1.61E-02 1.03E-02 2.92E-02 4.67E-02 8.59E-02 1.49E-01

9.27E+01 7.17E-05 1.65E-01 1.60E-02 1.01E-02 2.96E-02 4.73E-02 8.63E-02 1.34E-01

9.81E+01 7.17E-05 1.65E-01 1.59E-02 1.01E-02 2.98E-02 4.77E-02 8.65E-02 1.34E-01

1.00E+02 7.17E-05 1.65E-01 1.59E-02 1.01E-02 2.92E-02 4.75E-02 8.66E-02 1.34E-01

1.04E+02 7.17E-05 1.65E-01 1.58E-02 1.02E-02 2.92E-02 4.67E-02 8.37E-02 1.34E-01

1.10E+02 7.16E-05 1.65E-01 1.58E-02 1.03E-02 2.99E-02 4.57E-02 7.98E-02 1.26E-01

1.16E+02 7.16E-05 1.65E-01 1.57E-02 1.03E-02 3.05E-02 4.58E-02 8.05E-02 1.19E-01

1.23E+02 7.16E-05 1.65E-01 1.55E-02 1.02E-02 3.08E-02 4.53E-02 8.12E-02 1.14E-01

1.30E+02 7.16E-05 1.65E-01 1.54E-02 1.01E-02 3.09E-02 4.69E-02 7.97E-02 1.12E-01

1.38E+02 7.16E-05 1.65E-01 1.54E-02 1.01E-02 3.12E-02 4.67E-02 7.77E-02 1.13E-01

1.46E+02 7.16E-05 1.65E-01 1.53E-02 1.01E-02 3.15E-02 4.53E-02 7.39E-02 1.14E-01

1.54E+02 7.16E-05 1.65E-01 1.52E-02 1.00E-02 3.16E-02 4.54E-02 6.97E-02 1.16E-01

1.63E+02 7.15E-05 1.65E-01 1.51E-02 9.93E-03 3.11E-02 4.44E-02 6.63E-02 1.17E-01

1.73E+02 7.15E-05 1.65E-01 1.50E-02 9.83E-03 3.16E-02 4.30E-02 6.29E-02 1.18E-01

1.83E+02 7.15E-05 1.65E-01 1.48E-02 9.88E-03 3.14E-02 4.27E-02 6.25E-02 1.08E-01

1.94E+02 3.87E-05 1.65E-01 1.46E-02 9.89E-03 3.16E-02 4.10E-02 5.71E-02 1.09E-01

2.05E+02 1.60E-05 1.65E-01 1.45E-02 9.74E-03 3.15E-02 4.26E-02 5.75E-02 1.07E-01

2.17E+02 1.48E-10 1.35E-01 1.42E-02 9.59E-03 3.10E-02 4.05E-02 5.30E-02 9.98E-02

2.29E+02 1.44E-10 1.35E-01 1.40E-02 9.61E-03 3.15E-02 4.09E-02 5.13E-02 8.21E-02

2.43E+02 1.40E-10 1.34E-01 1.38E-02 9.55E-03 3.15E-02 4.14E-02 5.13E-02 8.24E-02

2.57E+02 1.35E-10 1.19E-01 1.34E-02 9.28E-03 3.14E-02 4.19E-02 5.14E-02 7.26E-02

2.72E+02 1.30E-10 1.19E-01 1.32E-02 9.09E-03 3.14E-02 4.13E-02 4.88E-02 6.34E-02

2.88E+02 1.25E-10 1.07E-01 1.28E-02 8.76E-03 2.99E-02 4.11E-02 4.64E-02 6.19E-02

3.00E+02 1.21E-10 8.08E-02 1.24E-02 8.71E-03 2.91E-02 3.86E-02 4.50E-02 5.29E-02

3.05E+02 1.20E-10 8.08E-02 1.23E-02 8.69E-03 2.83E-02 3.65E-02 4.48E-02 5.35E-02

3.22E+02 1.14E-10 8.08E-02 1.19E-02 8.08E-03 2.82E-02 3.69E-02 4.48E-02 5.33E-02

3.41E+02 1.08E-10 6.19E-02 1.14E-02 7.79E-03 2.75E-02 3.62E-02 4.47E-02 5.07E-02

3.61E+02 1.01E-10 6.19E-02 1.10E-02 7.60E-03 2.76E-02 3.60E-02 4.39E-02 5.07E-02

3.82E+02 7.07E-11 6.19E-02 1.07E-02 7.37E-03 2.64E-02 3.58E-02 4.28E-02 4.70E-02

4.04E+02 5.38E-11 6.18E-02 1.04E-02 7.21E-03 2.55E-02 3.28E-02 4.10E-02 4.77E-02

4.28E+02 4.65E-11 6.29E-02 1.02E-02 7.02E-03 2.42E-02 3.43E-02 3.94E-02 4.83E-02

4.53E+02 4.05E-11 6.24E-02 9.83E-03 6.63E-03 2.37E-02 3.08E-02 3.92E-02 4.70E-02

4.79E+02 3.43E-11 6.17E-02 9.40E-03 6.42E-03 2.30E-02 3.03E-02 3.72E-02 4.60E-02

5.07E+02 2.75E-11 5.91E-02 8.99E-03 6.09E-03 2.24E-02 2.95E-02 3.64E-02 4.52E-02

5.36E+02 1.95E-11 5.79E-02 8.65E-03 5.90E-03 2.12E-02 2.80E-02 3.57E-02 4.42E-02

5.68E+02 9.28E-12 4.86E-02 8.18E-03 5.55E-03 1.99E-02 2.72E-02 3.52E-02 4.29E-02

6.01E+02 8.91E-12 4.88E-02 7.85E-03 4.95E-03 1.89E-02 2.58E-02 3.32E-02 3.69E-02

6.36E+02 8.47E-12 4.91E-02 7.53E-03 4.81E-03 1.88E-02 2.46E-02 3.13E-02 3.61E-02

6.73E+02 7.99E-12 4.92E-02 7.22E-03 4.62E-03 1.82E-02 2.42E-02 3.06E-02 3.56E-02

7.12E+02 7.50E-12 4.94E-02 6.83E-03 4.38E-03 1.71E-02 2.23E-02 2.88E-02 3.27E-02

7.53E+02 7.00E-12 4.60E-02 6.51E-03 4.09E-03 1.58E-02 2.19E-02 2.73E-02 3.20E-02

7.97E+02 6.49E-12 3.81E-02 6.30E-03 3.94E-03 1.55E-02 2.23E-02 2.70E-02 3.48E-02

8.44E+02 5.96E-12 3.76E-02 5.96E-03 3.57E-03 1.51E-02 2.16E-02 2.54E-02 3.12E-02

8.93E+02 5.43E-12 3.63E-02 5.59E-03 3.30E-03 1.50E-02 2.06E-02 2.37E-02 2.86E-02

9.45E+02 4.90E-12 3.49E-02 5.21E-03 2.95E-03 1.39E-02 1.97E-02 2.31E-02 2.78E-02

1.00E+03 3.04E-12 3.35E-02 4.90E-03 2.65E-03 1.32E-02 1.82E-02 2.28E-02 2.77E-02

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-239.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	1.07E-04	4.34E-01	1.96E-02	1.35E-02	3.61E-02	5.24E-02	9.06E-02	1.24E-01
1.00E+00	1.12E-04	3.28E-01	1.84E-02	1.35E-02	3.53E-02	5.03E-02	7.61E-02	1.31E-01
1.06E+00	1.13E-04	3.24E-01	1.83E-02	1.35E-02	3.52E-02	5.03E-02	7.57E-02	1.32E-01
1.12E+00	1.13E-04	3.20E-01	1.83E-02	1.35E-02	3.49E-02	4.98E-02	7.53E-02	1.33E-01
1.19E+00	1.13E-04	3.16E-01	1.82E-02	1.34E-02	3.48E-02	4.92E-02	7.48E-02	1.34E-01
1.25E+00	1.14E-04	3.12E-01	1.82E-02	1.34E-02	3.47E-02	4.86E-02	7.44E-02	1.35E-01
1.33E+00	1.14E-04	3.07E-01	1.81E-02	1.34E-02	3.45E-02	4.86E-02	7.39E-02	1.35E-01
1.40E+00	1.14E-04	3.03E-01	1.81E-02	1.34E-02	3.41E-02	4.85E-02	7.34E-02	1.30E-01
1.49E+00	1.15E-04	2.98E-01	1.80E-02	1.34E-02	3.37E-02	4.85E-02	7.26E-02	1.25E-01
1.57E+00	1.15E-04	2.93E-01	1.80E-02	1.34E-02	3.35E-02	4.84E-02	7.17E-02	1.23E-01
1.66E+00	1.16E-04	2.88E-01	1.79E-02	1.34E-02	3.35E-02	4.85E-02	7.08E-02	1.23E-01
1.76E+00	1.16E-04	2.82E-01	1.79E-02	1.34E-02	3.35E-02	4.95E-02	6.99E-02	1.22E-01
1.86E+00	1.17E-04	2.77E-01	1.78E-02	1.34E-02	3.34E-02	4.99E-02	6.89E-02	1.22E-01
1.97E+00	1.18E-04	2.71E-01	1.77E-02	1.34E-02	3.35E-02	4.97E-02	6.78E-02	1.22E-01
2.09E+00	1.18E-04	2.65E-01	1.77E-02	1.34E-02	3.33E-02	4.95E-02	6.67E-02	1.22E-01
2.21E+00	1.19E-04	2.58E-01	1.76E-02	1.33E-02	3.29E-02	4.93E-02	6.55E-02	1.22E-01
2.34E+00	1.20E-04	2.52E-01	1.75E-02	1.33E-02	3.26E-02	4.91E-02	6.44E-02	1.22E-01
2.47E+00	1.20E-04	2.45E-01	1.75E-02	1.33E-02	3.19E-02	4.88E-02	6.40E-02	1.22E-01
2.62E+00	1.21E-04	2.38E-01	1.74E-02	1.33E-02	3.24E-02	4.86E-02	6.33E-02	1.21E-01
2.77E+00	1.22E-04	2.31E-01	1.73E-02	1.33E-02	3.30E-02	4.83E-02	6.26E-02	1.21E-01
2.93E+00	1.23E-04	2.24E-01	1.73E-02	1.33E-02	3.29E-02	4.81E-02	6.23E-02	1.21E-01
3.00E+00	1.23E-04	2.21E-01	1.73E-02	1.33E-02	3.28E-02	4.80E-02	6.23E-02	1.21E-01
3.10E+00	1.23E-04	2.17E-01	1.72E-02	1.33E-02	3.25E-02	4.76E-02	6.13E-02	1.21E-01
3.28E+00	1.23E-04	2.09E-01	1.71E-02	1.33E-02	3.19E-02	4.75E-02	6.05E-02	1.21E-01
3.48E+00	1.23E-04	2.01E-01	1.71E-02	1.33E-02	3.15E-02	4.69E-02	6.08E-02	1.21E-01
3.68E+00	1.24E-04	1.94E-01	1.70E-02	1.33E-02	3.09E-02	4.68E-02	6.14E-02	1.20E-01
3.89E+00	1.24E-04	1.86E-01	1.70E-02	1.33E-02	3.01E-02	4.66E-02	6.20E-02	1.18E-01
4.12E+00	1.24E-04	1.78E-01	1.69E-02	1.33E-02	3.00E-02	4.65E-02	6.25E-02	1.13E-01
4.36E+00	1.25E-04	1.75E-01	1.68E-02	1.33E-02	2.99E-02	4.65E-02	6.31E-02	1.08E-01
4.61E+00	1.25E-04	1.78E-01	1.68E-02	1.33E-02	2.96E-02	4.65E-02	6.36E-02	1.04E-01
4.88E+00	1.25E-04	1.81E-01	1.67E-02	1.33E-02	2.96E-02	4.64E-02	6.35E-02	9.96E-02
5.17E+00	1.26E-04	1.85E-01	1.67E-02	1.33E-02	2.95E-02	4.59E-02	6.35E-02	9.60E-02
5.47E+00	1.26E-04	1.88E-01	1.66E-02	1.33E-02	2.90E-02	4.57E-02	6.33E-02	9.27E-02
5.78E+00	1.26E-04	1.92E-01	1.66E-02	1.33E-02	2.88E-02	4.54E-02	6.28E-02	9.11E-02
6.12E+00	1.27E-04	1.96E-01	1.66E-02	1.32E-02	2.83E-02	4.51E-02	6.24E-02	9.43E-02
6.48E+00	1.27E-04	2.00E-01	1.65E-02	1.32E-02	2.82E-02	4.49E-02	6.26E-02	9.78E-02
6.86E+00	1.28E-04	2.05E-01	1.65E-02	1.31E-02	2.81E-02	4.46E-02	6.24E-02	9.86E-02
7.26E+00	1.28E-04	2.09E-01	1.64E-02	1.30E-02	2.81E-02	4.48E-02	6.24E-02	9.61E-02
7.68E+00	1.29E-04	2.14E-01	1.64E-02	1.30E-02	2.81E-02	4.49E-02	6.24E-02	8.86E-02
8.13E+00	1.29E-04	2.19E-01	1.63E-02	1.29E-02	2.82E-02	4.48E-02	6.24E-02	8.13E-02
8.60E+00	1.30E-04	2.24E-01	1.63E-02	1.29E-02	2.81E-02	4.46E-02	6.36E-02	8.24E-02
9.10E+00	1.31E-04	2.30E-01	1.63E-02	1.29E-02	2.78E-02	4.46E-02	6.51E-02	8.61E-02
9.63E+00	1.31E-04	2.36E-01	1.62E-02	1.29E-02	2.71E-02	4.45E-02	6.32E-02	8.38E-02
1.00E+01	1.32E-04	2.40E-01	1.62E-02	1.27E-02	2.64E-02	4.44E-02	6.23E-02	8.23E-02
1.02E+01	1.32E-04	2.42E-01	1.62E-02	1.26E-02	2.65E-02	4.44E-02	6.22E-02	8.15E-02
1.08E+01	1.33E-04	2.48E-01	1.62E-02	1.25E-02	2.67E-02	4.44E-02	6.21E-02	8.14E-02
1.14E+01	1.34E-04	2.55E-01	1.62E-02	1.25E-02	2.70E-02	4.43E-02	6.24E-02	8.24E-02
1.21E+01	1.34E-04	2.61E-01	1.62E-02	1.23E-02	2.71E-02	4.37E-02	6.34E-02	8.34E-02
1.28E+01	1.35E-04	2.69E-01	1.62E-02	1.23E-02	2.70E-02	4.31E-02	6.46E-02	8.43E-02
1.35E+01	1.36E-04	2.76E-01	1.62E-02	1.22E-02	2.69E-02	4.27E-02	6.50E-02	8.53E-02
1.43E+01	1.37E-04	2.84E-01	1.62E-02	1.21E-02	2.67E-02	4.17E-02	6.53E-02	8.81E-02
1.51E+01	1.38E-04	2.91E-01	1.62E-02	1.21E-02	2.66E-02	4.08E-02	6.56E-02	9.15E-02
1.60E+01	1.40E-04	3.00E-01	1.62E-02	1.20E-02	2.65E-02	3.99E-02	6.58E-02	9.50E-02
1.70E+01	1.41E-04	3.08E-01	1.63E-02	1.20E-02	2.68E-02	3.90E-02	6.58E-02	9.87E-02
1.80E+01	1.42E-04	3.17E-01	1.63E-02	1.20E-02	2.70E-02	3.85E-02	6.70E-02	1.02E-01
1.90E+01	1.43E-04	3.26E-01	1.63E-02	1.19E-02	2.74E-02	3.81E-02	6.87E-02	1.06E-01

2.01E+01 1.45E-04 3.35E-01 1.63E-02 1.20E-02 2.76E-02 3.88E-02 7.01E-02 1.05E-01

2.13E+01 1.46E-04 3.45E-01 1.63E-02 1.18E-02 2.82E-02 3.84E-02 7.15E-02 1.04E-01

2.25E+01 1.43E-04 3.55E-01 1.63E-02 1.16E-02 2.86E-02 3.83E-02 7.32E-02 1.03E-01

2.38E+01 1.19E-04 3.65E-01 1.64E-02 1.15E-02 2.90E-02 3.94E-02 7.41E-02 1.02E-01

2.52E+01 1.19E-04 3.75E-01 1.64E-02 1.14E-02 2.91E-02 4.07E-02 7.47E-02 1.01E-01

2.67E+01 1.19E-04 3.86E-01 1.64E-02 1.15E-02 2.95E-02 4.06E-02 7.51E-02 9.94E-02

2.82E+01 1.19E-04 3.96E-01 1.65E-02 1.14E-02 2.93E-02 4.24E-02 7.58E-02 9.82E-02

2.99E+01 1.19E-04 4.07E-01 1.66E-02 1.14E-02 2.90E-02 4.23E-02 7.74E-02 9.69E-02

3.00E+01 1.19E-04 4.08E-01 1.66E-02 1.14E-02 2.90E-02 4.23E-02 7.75E-02 9.68E-02

3.16E+01 1.19E-04 4.18E-01 1.66E-02 1.14E-02 2.90E-02 4.21E-02 7.88E-02 9.91E-02

3.35E+01 1.19E-04 4.29E-01 1.66E-02 1.12E-02 2.90E-02 4.12E-02 7.95E-02 1.02E-01

3.54E+01 1.19E-04 4.41E-01 1.66E-02 1.13E-02 2.92E-02 4.21E-02 8.02E-02 1.04E-01

3.75E+01 1.19E-04 4.52E-01 1.67E-02 1.13E-02 2.89E-02 4.21E-02 8.09E-02 1.06E-01

3.97E+01 1.19E-04 4.63E-01 1.67E-02 1.12E-02 2.89E-02 4.27E-02 8.21E-02 1.09E-01

4.20E+01 1.19E-04 4.75E-01 1.67E-02 1.11E-02 2.90E-02 4.33E-02 8.36E-02 1.11E-01

4.44E+01 1.19E-04 4.86E-01 1.68E-02 1.11E-02 2.92E-02 4.40E-02 8.52E-02 1.13E-01

4.70E+01 1.19E-04 4.97E-01 1.68E-02 1.11E-02 2.90E-02 4.41E-02 8.48E-02 1.16E-01

4.97E+01 1.19E-04 5.08E-01 1.68E-02 1.10E-02 2.89E-02 4.43E-02 8.44E-02 1.18E-01

5.26E+01 1.19E-04 4.83E-01 1.67E-02 1.09E-02 2.93E-02 4.57E-02 8.51E-02 1.20E-01

5.57E+01 1.19E-04 4.47E-01 1.66E-02 1.08E-02 2.97E-02 4.67E-02 8.57E-02 1.20E-01

5.90E+01 1.19E-04 4.12E-01 1.66E-02 1.08E-02 3.00E-02 4.62E-02 8.64E-02 1.19E-01

6.24E+01 1.19E-04 3.77E-01 1.65E-02 1.07E-02 3.04E-02 4.75E-02 8.71E-02 1.22E-01

6.60E+01 1.19E-04 3.44E-01 1.65E-02 1.06E-02 3.04E-02 4.86E-02 8.77E-02 1.25E-01

6.99E+01 1.19E-04 3.12E-01 1.64E-02 1.06E-02 3.06E-02 4.93E-02 8.81E-02 1.28E-01

7.39E+01 1.19E-04 2.82E-01 1.64E-02 1.05E-02 3.01E-02 5.01E-02 8.82E-02 1.30E-01

7.82E+01 1.19E-04 2.53E-01 1.64E-02 1.05E-02 3.09E-02 5.15E-02 8.82E-02 1.31E-01

8.28E+01 1.19E-04 2.25E-01 1.64E-02 1.03E-02 3.12E-02 5.30E-02 8.82E-02 1.32E-01

8.76E+01 1.19E-04 2.25E-01 1.63E-02 1.01E-02 3.18E-02 5.45E-02 8.73E-02 1.21E-01

9.27E+01 1.19E-04 2.28E-01 1.62E-02 9.97E-03 3.24E-02 5.63E-02 8.67E-02 1.22E-01

9.81E+01 1.19E-04 2.31E-01 1.62E-02 9.87E-03 3.29E-02 5.68E-02 8.86E-02 1.26E-01

1.00E+02 1.19E-04 2.32E-01 1.62E-02 9.83E-03 3.30E-02 5.71E-02 8.68E-02 1.27E-01

1.04E+02 1.19E-04 2.33E-01 1.61E-02 9.78E-03 3.34E-02 5.74E-02 8.39E-02 1.29E-01

1.10E+02 1.19E-04 2.19E-01 1.60E-02 9.74E-03 3.24E-02 5.74E-02 7.94E-02 1.19E-01

1.16E+02 1.19E-04 1.86E-01 1.59E-02 9.71E-03 3.31E-02 5.47E-02 8.00E-02 1.19E-01

1.23E+02 1.19E-04 1.56E-01 1.57E-02 9.58E-03 3.39E-02 5.37E-02 8.03E-02 1.07E-01

1.30E+02 1.19E-04 1.54E-01 1.56E-02 9.63E-03 3.45E-02 5.28E-02 7.35E-02 1.08E-01

1.38E+02 1.19E-04 1.56E-01 1.56E-02 9.60E-03 3.53E-02 5.37E-02 7.44E-02 1.08E-01

1.46E+02 1.19E-04 1.58E-01 1.54E-02 9.51E-03 3.54E-02 5.13E-02 7.53E-02 1.07E-01

1.54E+02 1.19E-04 1.59E-01 1.53E-02 9.44E-03 3.52E-02 5.18E-02 7.34E-02 1.08E-01

1.63E+02 1.19E-04 1.60E-01 1.54E-02 9.44E-03 3.36E-02 5.33E-02 7.25E-02 1.10E-01

1.73E+02 1.19E-04 1.62E-01 1.52E-02 9.46E-03 3.28E-02 4.92E-02 6.84E-02 1.12E-01

1.83E+02 1.19E-04 1.63E-01 1.50E-02 9.38E-03 3.29E-02 4.81E-02 6.91E-02 1.09E-01

1.94E+02 1.19E-04 1.63E-01 1.50E-02 9.41E-03 3.25E-02 5.06E-02 7.14E-02 1.08E-01

2.05E+02 1.19E-04 1.38E-01 1.48E-02 9.27E-03 3.23E-02 5.08E-02 7.00E-02 1.08E-01

2.17E+02 5.22E-05 1.20E-01 1.46E-02 9.11E-03 3.18E-02 5.09E-02 6.58E-02 1.08E-01

2.29E+02 9.01E-06 1.22E-01 1.44E-02 9.00E-03 3.19E-02 5.11E-02 6.78E-02 8.91E-02

2.43E+02 1.40E-06 1.24E-01 1.42E-02 8.83E-03 3.21E-02 4.91E-02 6.42E-02 8.34E-02

2.57E+02 1.96E-07 1.17E-01 1.39E-02 8.72E-03 3.21E-02 4.64E-02 6.19E-02 8.34E-02

2.72E+02 2.47E-08 1.08E-01 1.36E-02 8.45E-03 3.16E-02 4.46E-02 5.87E-02 8.29E-02

2.88E+02 2.98E-09 1.08E-01 1.31E-02 8.28E-03 3.07E-02 4.46E-02 5.76E-02 8.33E-02

3.00E+02 7.61E-10 1.08E-01 1.29E-02 8.05E-03 2.91E-02 4.50E-02 5.76E-02 7.67E-02

3.05E+02 5.28E-10 9.93E-02 1.28E-02 8.00E-03 2.89E-02 4.52E-02 5.68E-02 7.37E-02

3.22E+02 2.72E-10 8.52E-02 1.23E-02 7.96E-03 2.89E-02 4.47E-02 5.64E-02 6.44E-02

3.41E+02 2.35E-10 8.58E-02 1.20E-02 7.55E-03 2.87E-02 4.30E-02 5.09E-02 6.44E-02

3.61E+02 2.14E-10 8.56E-02 1.17E-02 7.43E-03 2.77E-02 4.18E-02 4.85E-02 5.97E-02

3.82E+02 1.94E-10 8.35E-02 1.13E-02 7.08E-03 2.78E-02 3.91E-02 4.65E-02 5.90E-02

4.04E+02 1.73E-10 7.43E-02 1.08E-02 6.99E-03 2.69E-02 3.40E-02 4.58E-02 5.82E-02

4.28E+02 1.50E-10 7.46E-02 1.04E-02 6.60E-03 2.43E-02 3.25E-02 4.46E-02 5.71E-02

4.53E+02 1.25E-10 5.86E-02 9.81E-03 6.28E-03 2.33E-02 3.16E-02 4.11E-02 5.11E-02

4.79E+02 9.74E-11 5.71E-02 9.35E-03 5.93E-03 2.17E-02 3.00E-02 3.79E-02 5.00E-02

5.07E+02 6.78E-11 5.71E-02 8.87E-03 5.62E-03 2.15E-02 2.91E-02 3.55E-02 4.71E-02

5.36E+02 4.01E-11 5.71E-02 8.55E-03 5.38E-03 2.11E-02 2.79E-02 3.29E-02 4.68E-02

5.68E+02 2.80E-11 5.71E-02 8.14E-03 5.20E-03 1.97E-02 2.73E-02 3.23E-02 4.26E-02

6.01E+02 2.69E-11 7.13E-02 7.77E-03 4.75E-03 1.86E-02 2.57E-02 3.21E-02 4.26E-02

6.36E+02 2.56E-11 7.06E-02 7.55E-03 4.53E-03 1.78E-02 2.39E-02 3.06E-02 4.26E-02

6.73E+02 2.27E-11 6.99E-02 7.31E-03 4.46E-03 1.76E-02 2.39E-02 2.99E-02 4.11E-02

7.12E+02 1.85E-11 6.91E-02 6.94E-03 4.27E-03 1.72E-02 2.24E-02 2.88E-02 4.11E-02

7.53E+02 1.53E-11 6.84E-02 6.60E-03 3.78E-03 1.70E-02 2.21E-02 2.80E-02 3.32E-02

7.97E+02 1.41E-11 6.75E-02 6.28E-03 3.58E-03 1.59E-02 2.14E-02 2.73E-02 2.98E-02

8.44E+02 1.30E-11 6.67E-02 6.00E-03 3.38E-03 1.54E-02 2.09E-02 2.60E-02 3.02E-02

8.93E+02 1.19E-11 6.58E-02 5.67E-03 3.18E-03 1.53E-02 2.05E-02 2.55E-02 3.03E-02

9.45E+02 1.07E-11 6.48E-02 5.40E-03 3.00E-03 1.45E-02 1.99E-02 2.52E-02 3.29E-02

1.00E+03 9.61E-12 6.38E-02 5.03E-03 2.85E-03 1.36E-02 1.75E-02 2.36E-02 2.76E-02

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	4.72E-05	6.83E-01	1.98E-02	1.30E-02	3.41E-02	5.01E-02	7.45E-02	1.75E-01
1.00E+00	4.82E-05	6.18E-01	1.90E-02	1.32E-02	3.39E-02	4.71E-02	7.28E-02	1.35E-01
1.06E+00	4.83E-05	6.15E-01	1.90E-02	1.31E-02	3.38E-02	4.70E-02	7.26E-02	1.33E-01
1.12E+00	4.83E-05	6.11E-01	1.89E-02	1.31E-02	3.37E-02	4.69E-02	7.25E-02	1.31E-01
1.19E+00	4.84E-05	6.07E-01	1.89E-02	1.31E-02	3.37E-02	4.68E-02	7.24E-02	1.28E-01
1.25E+00	4.85E-05	6.03E-01	1.89E-02	1.31E-02	3.37E-02	4.67E-02	7.22E-02	1.26E-01
1.33E+00	4.86E-05	5.98E-01	1.88E-02	1.32E-02	3.36E-02	4.66E-02	7.21E-02	1.24E-01
1.40E+00	4.86E-05	5.94E-01	1.88E-02	1.32E-02	3.36E-02	4.65E-02	7.19E-02	1.21E-01
1.49E+00	4.87E-05	5.89E-01	1.87E-02	1.32E-02	3.35E-02	4.64E-02	7.18E-02	1.21E-01
1.57E+00	4.88E-05	5.84E-01	1.87E-02	1.33E-02	3.33E-02	4.63E-02	7.16E-02	1.21E-01
1.66E+00	4.89E-05	5.79E-01	1.87E-02	1.33E-02	3.33E-02	4.62E-02	7.14E-02	1.21E-01
1.76E+00	4.90E-05	5.73E-01	1.86E-02	1.33E-02	3.33E-02	4.61E-02	7.07E-02	1.21E-01
1.86E+00	4.91E-05	5.67E-01	1.86E-02	1.33E-02	3.33E-02	4.59E-02	6.96E-02	1.21E-01
1.97E+00	4.92E-05	5.61E-01	1.85E-02	1.34E-02	3.35E-02	4.58E-02	6.84E-02	1.19E-01
2.09E+00	4.93E-05	5.55E-01	1.84E-02	1.34E-02	3.34E-02	4.57E-02	6.72E-02	1.15E-01
2.21E+00	4.95E-05	5.48E-01	1.84E-02	1.34E-02	3.34E-02	4.55E-02	6.60E-02	1.11E-01
2.34E+00	4.96E-05	5.41E-01	1.83E-02	1.34E-02	3.34E-02	4.54E-02	6.48E-02	1.07E-01
2.47E+00	4.97E-05	5.34E-01	1.83E-02	1.34E-02	3.33E-02	4.53E-02	6.38E-02	1.04E-01
2.62E+00	4.99E-05	5.26E-01	1.82E-02	1.33E-02	3.35E-02	4.52E-02	6.32E-02	1.04E-01
2.77E+00	5.01E-05	5.18E-01	1.81E-02	1.33E-02	3.33E-02	4.53E-02	6.30E-02	1.06E-01
2.93E+00	5.02E-05	5.10E-01	1.81E-02	1.33E-02	3.32E-02	4.60E-02	6.16E-02	1.08E-01
3.00E+00	5.03E-05	5.07E-01	1.80E-02	1.34E-02	3.31E-02	4.63E-02	6.14E-02	1.08E-01
3.10E+00	5.04E-05	5.02E-01	1.80E-02	1.34E-02	3.31E-02	4.68E-02	6.12E-02	1.09E-01
3.28E+00	5.06E-05	4.93E-01	1.79E-02	1.34E-02	3.31E-02	4.75E-02	6.09E-02	1.10E-01
3.48E+00	5.08E-05	4.84E-01	1.78E-02	1.33E-02	3.30E-02	4.64E-02	6.06E-02	1.06E-01
3.68E+00	5.10E-05	4.74E-01	1.78E-02	1.33E-02	3.30E-02	4.52E-02	6.07E-02	1.03E-01
3.89E+00	5.12E-05	4.64E-01	1.77E-02	1.33E-02	3.26E-02	4.38E-02	6.08E-02	1.00E-01
4.12E+00	5.14E-05	4.54E-01	1.76E-02	1.33E-02	3.28E-02	4.39E-02	6.04E-02	9.67E-02
4.36E+00	5.17E-05	4.43E-01	1.75E-02	1.32E-02	3.27E-02	4.44E-02	5.89E-02	9.33E-02
4.61E+00	5.20E-05	4.33E-01	1.75E-02	1.31E-02	3.23E-02	4.48E-02	5.75E-02	9.00E-02
4.88E+00	5.22E-05	4.21E-01	1.74E-02	1.31E-02	3.19E-02	4.38E-02	5.69E-02	8.66E-02
5.17E+00	5.25E-05	4.10E-01	1.73E-02	1.31E-02	3.18E-02	4.34E-02	5.68E-02	8.32E-02
5.47E+00	5.28E-05	3.98E-01	1.72E-02	1.31E-02	3.16E-02	4.33E-02	5.76E-02	7.98E-02
5.78E+00	5.32E-05	3.86E-01	1.72E-02	1.31E-02	3.13E-02	4.20E-02	5.79E-02	8.00E-02
6.12E+00	5.35E-05	3.74E-01	1.71E-02	1.30E-02	3.14E-02	4.13E-02	5.85E-02	8.16E-02
6.48E+00	5.39E-05	3.61E-01	1.70E-02	1.30E-02	3.08E-02	4.10E-02	5.77E-02	8.33E-02
6.86E+00	5.43E-05	3.48E-01	1.69E-02	1.30E-02	3.04E-02	4.07E-02	5.74E-02	8.51E-02
7.26E+00	5.47E-05	3.35E-01	1.69E-02	1.30E-02	2.98E-02	4.15E-02	5.75E-02	8.70E-02
7.68E+00	5.51E-05	3.22E-01	1.68E-02	1.30E-02	2.94E-02	4.10E-02	5.83E-02	8.90E-02
8.13E+00	5.56E-05	3.08E-01	1.67E-02	1.29E-02	2.93E-02	4.02E-02	5.73E-02	9.11E-02
8.60E+00	5.61E-05	2.95E-01	1.67E-02	1.28E-02	2.96E-02	3.95E-02	5.67E-02	9.33E-02
9.10E+00	5.66E-05	2.81E-01	1.66E-02	1.28E-02	2.99E-02	3.95E-02	5.64E-02	9.35E-02
9.63E+00	5.71E-05	2.68E-01	1.65E-02	1.29E-02	2.96E-02	3.96E-02	5.65E-02	9.06E-02
1.00E+01	5.75E-05	2.58E-01	1.65E-02	1.29E-02	2.99E-02	3.97E-02	5.64E-02	8.87E-02
1.02E+01	5.77E-05	2.54E-01	1.65E-02	1.29E-02	2.99E-02	4.00E-02	5.64E-02	8.77E-02
1.08E+01	5.83E-05	2.40E-01	1.64E-02	1.26E-02	2.99E-02	4.10E-02	5.61E-02	8.90E-02
1.14E+01	5.90E-05	2.27E-01	1.63E-02	1.26E-02	2.98E-02	4.09E-02	5.60E-02	9.28E-02
1.21E+01	5.97E-05	2.14E-01	1.63E-02	1.26E-02	2.96E-02	3.99E-02	5.62E-02	9.67E-02
1.28E+01	6.04E-05	2.00E-01	1.62E-02	1.26E-02	2.92E-02	3.99E-02	5.69E-02	1.01E-01
1.35E+01	6.12E-05	1.88E-01	1.62E-02	1.25E-02	2.91E-02	3.91E-02	5.79E-02	1.05E-01
1.43E+01	6.20E-05	1.89E-01	1.62E-02	1.24E-02	2.91E-02	3.84E-02	5.90E-02	1.10E-01
1.51E+01	6.28E-05	1.93E-01	1.61E-02	1.24E-02	2.94E-02	3.74E-02	6.11E-02	1.14E-01
1.60E+01	6.38E-05	1.97E-01	1.61E-02	1.23E-02	2.93E-02	3.85E-02	6.30E-02	1.19E-01
1.70E+01	6.47E-05	2.00E-01	1.61E-02	1.23E-02	2.92E-02	3.95E-02	6.24E-02	1.24E-01
1.80E+01	6.57E-05	2.04E-01	1.61E-02	1.23E-02	2.91E-02	4.07E-02	6.33E-02	1.24E-01
1.90E+01	6.68E-05	2.07E-01	1.61E-02	1.23E-02	2.90E-02	3.99E-02	6.42E-02	1.18E-01

2.01E+01 6.80E-05 2.11E-01 1.61E-02 1.23E-02 2.89E-02 3.92E-02 6.43E-02 1.17E-01

2.13E+01 6.92E-05 2.14E-01 1.60E-02 1.22E-02 2.88E-02 3.93E-02 6.43E-02 1.21E-01

2.25E+01 7.04E-05 2.17E-01 1.60E-02 1.20E-02 2.88E-02 3.95E-02 6.43E-02 1.24E-01

2.38E+01	7.18E-05	2.20E-01	1.60E-02	1.18E-02	2.88E-02	3.97E-02	6.43E-02	1.24E-01
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2.52E+01 7.32E-05 2.23E-01 1.60E-02 1.18E-02 2.88E-02 3.99E-02 6.43E-02 1.25E-01

2.67E+01 7.47E-05 2.26E-01 1.60E-02 1.17E-02 2.88E-02 4.00E-02 6.43E-02 1.25E-01

2.82E+01 7.63E-05 2.28E-01 1.60E-02 1.15E-02 2.92E-02 4.04E-02 6.22E-02 1.25E-01

2.99E+01 7.80E-05 2.31E-01 1.60E-02 1.15E-02 2.93E-02 4.11E-02 6.19E-02 1.25E-01

3.00E+01 7.81E-05 2.31E-01 1.60E-02 1.15E-02 2.93E-02 4.11E-02 6.20E-02 1.25E-01

3.16E+01 7.98E-05 2.33E-01 1.61E-02 1.13E-02 2.95E-02 4.25E-02 6.45E-02 1.25E-01

3.35E+01 8.17E-05 2.35E-01 1.61E-02 1.13E-02 2.94E-02 4.28E-02 6.46E-02 1.25E-01

3.54E+01 8.37E-05 2.37E-01 1.62E-02 1.13E-02 2.90E-02 4.33E-02 6.47E-02 1.23E-01

3.75E+01 8.58E-05 2.39E-01 1.62E-02 1.12E-02 2.94E-02 4.34E-02 6.47E-02 1.17E-01

3.97E+01 8.81E-05 2.40E-01 1.63E-02 1.12E-02 2.97E-02 4.48E-02 6.56E-02 1.21E-01

4.20E+01 9.04E-05 2.42E-01 1.63E-02 1.12E-02 3.05E-02 4.56E-02 6.66E-02 1.25E-01

4.44E+01 9.29E-05 2.43E-01 1.64E-02 1.09E-02 3.11E-02 4.65E-02 6.75E-02 1.25E-01

4.70E+01 9.56E-05 2.44E-01 1.64E-02 1.09E-02 3.13E-02 4.64E-02 6.88E-02 1.25E-01

4.97E+01 9.84E-05 2.45E-01 1.65E-02 1.08E-02 3.15E-02 4.70E-02 7.01E-02 1.26E-01

5.26E+01 1.01E-04 2.46E-01 1.66E-02 1.07E-02 3.23E-02 4.88E-02 7.13E-02 1.26E-01

5.57E+01 6.50E-05 2.46E-01 1.65E-02 1.06E-02 3.31E-02 4.95E-02 7.24E-02 1.26E-01

5.90E+01 4.78E-05 2.52E-01 1.66E-02 1.06E-02 3.34E-02 5.08E-02 7.05E-02 1.26E-01

6.24E+01 4.78E-05 2.59E-01 1.66E-02 1.07E-02 3.37E-02 5.21E-02 6.85E-02 1.26E-01

6.60E+01 4.78E-05 2.66E-01 1.66E-02 1.07E-02 3.40E-02 5.33E-02 6.72E-02 1.26E-01

6.99E+01 4.78E-05 2.72E-01 1.66E-02 1.05E-02 3.43E-02 5.34E-02 6.89E-02 1.25E-01

7.39E+01 4.78E-05 2.79E-01 1.67E-02 1.04E-02 3.45E-02 5.27E-02 7.06E-02 1.25E-01

7.82E+01 4.78E-05 2.85E-01 1.67E-02 1.04E-02 3.49E-02 5.34E-02 6.86E-02 1.25E-01

8.28E+01 4.77E-05 2.92E-01 1.67E-02 1.03E-02 3.52E-02 5.02E-02 6.92E-02 1.25E-01

8.76E+01 4.77E-05 2.82E-01 1.67E-02 1.03E-02 3.52E-02 4.93E-02 7.06E-02 1.25E-01

9.27E+01 4.77E-05 2.77E-01 1.67E-02 1.02E-02 3.47E-02 5.00E-02 7.24E-02 1.25E-01

9.81E+01 4.77E-05 2.76E-01 1.67E-02 1.00E-02 3.50E-02 5.12E-02 7.15E-02 1.25E-01

1.00E+02 4.77E-05 2.69E-01 1.66E-02 1.00E-02 3.53E-02 5.16E-02 7.20E-02 1.25E-01

1.04E+02 4.77E-05 2.54E-01 1.66E-02 1.01E-02 3.57E-02 5.28E-02 7.31E-02 1.25E-01

1.10E+02 4.77E-05 2.49E-01 1.65E-02 9.96E-03 3.58E-02 5.42E-02 7.26E-02 1.25E-01

1.16E+02 4.77E-05 2.48E-01 1.65E-02 9.97E-03 3.59E-02 5.38E-02 7.20E-02 1.25E-01

1.23E+02 4.77E-05 2.48E-01 1.64E-02 9.90E-03 3.66E-02 5.37E-02 7.22E-02 1.25E-01

1.30E+02 4.77E-05 2.48E-01 1.64E-02 9.87E-03 3.68E-02 5.39E-02 7.23E-02 1.25E-01

1.38E+02 4.77E-05 1.96E-01 1.62E-02 1.02E-02 3.65E-02 5.38E-02 7.24E-02 1.21E-01

1.46E+02 4.77E-05 1.80E-01 1.60E-02 1.02E-02 3.65E-02 5.43E-02 7.25E-02 9.89E-02

1.54E+02 4.74E-05 1.60E-01 1.58E-02 1.01E-02 3.64E-02 5.43E-02 7.04E-02 9.80E-02

1.63E+02 4.72E-05 1.41E-01 1.57E-02 9.93E-03 3.69E-02 5.43E-02 7.09E-02 9.82E-02

1.73E+02 4.71E-05 1.25E-01 1.55E-02 9.75E-03 3.73E-02 5.45E-02 7.05E-02 9.26E-02

1.83E+02 4.70E-05 1.25E-01 1.53E-02 9.52E-03 3.74E-02 5.53E-02 7.13E-02 9.25E-02

1.94E+02 4.70E-05 1.25E-01 1.52E-02 9.50E-03 3.74E-02 5.42E-02 7.01E-02 9.25E-02

2.05E+02 4.01E-05 1.25E-01 1.50E-02 9.48E-03 3.57E-02 5.41E-02 7.04E-02 8.69E-02

2.17E+02 2.01E-05 1.25E-01 1.49E-02 9.45E-03 3.57E-02 5.14E-02 6.66E-02 8.82E-02

2.29E+02 9.65E-06 1.25E-01 1.45E-02 9.33E-03 3.44E-02 5.02E-02 6.30E-02 8.95E-02

2.43E+02 4.44E-06 1.25E-01 1.42E-02 9.20E-03 3.20E-02 4.65E-02 6.33E-02 9.09E-02

2.57E+02 1.96E-06 1.25E-01 1.39E-02 9.14E-03 3.14E-02 4.66E-02 6.13E-02 8.22E-02

2.72E+02 8.21E-07 9.97E-02 1.34E-02 8.90E-03 3.09E-02 4.27E-02 5.77E-02 7.63E-02

2.88E+02 7.93E-08 9.80E-02 1.29E-02 8.43E-03 2.95E-02 3.96E-02 5.58E-02 7.14E-02

3.00E+02 4.46E-10 9.61E-02 1.26E-02 8.34E-03 2.91E-02 3.94E-02 5.56E-02 7.15E-02

3.05E+02 4.41E-10 7.99E-02 1.25E-02 8.34E-03 2.91E-02 3.94E-02 5.56E-02 7.15E-02

3.22E+02 1.52E-10 7.87E-02 1.21E-02 8.28E-03 2.86E-02 3.88E-02 5.11E-02 7.12E-02

3.41E+02 1.40E-10 7.90E-02 1.18E-02 8.19E-03 2.78E-02 3.68E-02 5.03E-02 7.02E-02

3.61E+02 1.28E-10 7.93E-02 1.14E-02 7.97E-03 2.74E-02 3.66E-02 4.83E-02 6.66E-02

3.82E+02 1.15E-10 7.95E-02 1.10E-02 7.56E-03 2.73E-02 3.35E-02 4.68E-02 6.63E-02

4.04E+02 1.00E-10 7.79E-02 1.06E-02 7.26E-03 2.45E-02 3.19E-02 4.68E-02 6.50E-02

4.28E+02 8.48E-11 7.80E-02 1.03E-02 6.48E-03 2.46E-02 3.11E-02 4.63E-02 6.30E-02

4.53E+02 6.83E-11 7.07E-02 9.98E-03 6.44E-03 2.40E-02 3.03E-02 4.21E-02 5.93E-02

4.79E+02 4.59E-11 6.50E-02 9.40E-03 6.20E-03 2.35E-02 2.92E-02 3.86E-02 5.15E-02

5.07E+02 3.16E-11 6.03E-02 8.98E-03 5.88E-03 2.20E-02 2.81E-02 3.65E-02 4.87E-02

5.36E+02 1.85E-11 6.03E-02 8.39E-03 5.47E-03 2.05E-02 2.61E-02 3.05E-02 4.62E-02

5.68E+02 1.60E-11 5.15E-02 8.03E-03 5.09E-03 1.96E-02 2.54E-02 2.99E-02 4.27E-02

6.01E+02 1.13E-11 5.15E-02 7.66E-03 5.00E-03 1.86E-02 2.54E-02 2.91E-02 3.81E-02

6.36E+02 9.70E-12 5.14E-02 7.28E-03 4.77E-03 1.71E-02 2.52E-02 2.86E-02 3.38E-02

6.73E+02 8.99E-12 4.65E-02 6.95E-03 4.60E-03 1.67E-02 2.14E-02 2.77E-02 3.07E-02

7.12E+02 8.45E-12 4.65E-02 6.60E-03 4.38E-03 1.65E-02 2.05E-02 2.61E-02 2.90E-02

7.53E+02 7.98E-12 4.65E-02 6.24E-03 4.18E-03 1.51E-02 2.00E-02 2.51E-02 2.83E-02

7.97E+02 7.46E-12 3.95E-02 5.90E-03 3.84E-03 1.45E-02 1.94E-02 2.42E-02 2.83E-02

8.44E+02 6.95E-12 3.94E-02 5.53E-03 3.64E-03 1.43E-02 1.76E-02 2.33E-02 2.78E-02

8.93E+02 6.50E-12 3.42E-02 5.23E-03 3.42E-03 1.36E-02 1.68E-02 2.10E-02 2.80E-02

9.45E+02 5.98E-12 2.90E-02 4.89E-03 3.22E-03 1.27E-02 1.65E-02 1.96E-02 2.60E-02

1.00E+03 5.44E-12 2.84E-02 4.54E-03 2.88E-03 1.20E-02 1.54E-02 1.92E-02 2.23E-02

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-239.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	1.879E-02
2	0.000E+00	1.955E-02
3	0.000E+00	1.975E-02

Title : RESRAD Default Parameters
Input File : FCS BURIED PIPE INSITU UA PU-239.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	3	0.13	3	0.13	6	-0.06	6	-0.04
Contaminated zone b parameter	9	0.07	9	0.06	17	-0.01	17	-0.01
Evapotranspiration coefficient	12	-0.06	12	-0.05	9	0.05	9	0.03
Wind Speed	8	-0.07	8	-0.07	15	-0.02	15	-0.01
Runoff coefficient	5	-0.10	5	-0.09	14	-0.02	14	-0.01
b Parameter of Unsaturated zone 1	15	0.02	15	0.02	18	0.00	18	0.00
Mass loading for inhalation	11	0.06	11	0.05	16	0.02	16	0.01
Indoor dust filtration factor	14	-0.03	14	-0.03	13	-0.02	13	-0.02
Depth of soil mixing layer	10	-0.06	10	-0.06	7	-0.05	7	-0.03
Depth of roots	6	-0.08	6	-0.07	4	-0.30	4	-0.20
Wet weight crop yield of fruit, grain and non-leafy vegetables	13	0.03	13	0.03	11	0.03	11	0.02
Weathering removal constant of all vegetation	17	-0.01	17	-0.01	10	-0.03	10	-0.02
Wet foliar interception fraction of leafy vegetables	18	-0.01	18	-0.01	12	-0.03	12	-0.02
Humidity in air	7	0.07	7	0.07	8	0.05	8	0.03
Cover erosion rate	16	0.01	16	0.01	5	0.25	5	0.17
Kd of Pu-239 in Contaminated Zone	4	-0.13	4	-0.12	3	-0.45	3	-0.33
Kd of Pu-239 in Saturated Zone	2	-0.14	2	-0.13	1	-0.55	1	-0.44
Well pump intake depth	1	-0.30	1	-0.29	2	-0.54	2	-0.42
R-SQUARE	0.16		0.16		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.

Title : RESRAD Default Parameters

Input File : FCS BURIED PIPE INSITU UA PU-239.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	7	-0.04	7	-0.03	14	-0.02	14	-0.01
Contaminated zone b parameter	9	0.02	9	0.02	7	0.08	7	0.05
Evapotranspiration coefficient	12	0.02	12	0.02	8	0.06	8	0.04
Wind Speed	13	-0.02	13	-0.02	10	0.05	10	0.03
Runoff coefficient	15	0.01	15	0.01	18	0.01	18	0.01
b Parameter of Unsaturated zone 1	14	-0.01	14	-0.01	13	0.03	13	0.02
Mass loading for inhalation	8	0.03	8	0.03	12	0.03	12	0.02
Indoor dust filtration factor	2	-0.09	3	-0.09	15	0.02	15	0.01
Depth of soil mixing layer	17	0.00	17	0.00	17	-0.01	17	-0.01
Depth of roots	11	0.02	11	0.02	4	-0.20	4	-0.13
Wet weight crop yield of fruit, grain and non-leafy vegetables	6	-0.04	6	-0.03	6	-0.10	6	-0.06
Weathering removal constant of all vegetation	10	0.02	10	0.02	9	-0.05	9	-0.03
Wet foliar interception fraction of leafy vegetables	16	-0.01	16	-0.01	11	0.03	11	0.02
Humidity in air	18	0.00	18	0.00	16	-0.02	16	-0.01
Cover erosion rate	5	-0.04	5	-0.04	5	0.16	5	0.10
Kd of Pu-239 in Contaminated Zone	3	-0.09	2	-0.09	3	-0.46	3	-0.34
Kd of Pu-239 in Saturated Zone	4	-0.08	4	-0.08	2	-0.57	2	-0.45
Well pump intake depth	1	-0.31	1	-0.30	1	-0.57	1	-0.46

R-SQUARE	0.12	0.12	0.57	0.57
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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-239.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	4	0.05	4	0.05	8	0.07	8	0.04
Contaminated zone b parameter	7	0.04	7	0.04	17	-0.01	17	-0.01
Evapotranspiration coefficient	9	0.04	9	0.04	9	0.05	9	0.03
Wind Speed	6	0.05	6	0.05	14	0.02	14	0.02
Runoff coefficient	13	0.01	13	0.01	7	0.07	7	0.05
b Parameter of Unsaturated zone 1	10	0.03	10	0.03	12	0.04	12	0.02
Mass loading for inhalation	15	-0.01	15	-0.01	16	-0.01	16	-0.01
Indoor dust filtration factor	16	0.00	16	0.00	11	0.04	11	0.02
Depth of soil mixing layer	8	-0.04	8	-0.04	6	-0.10	6	-0.07
Depth of roots	18	0.00	18	0.00	4	-0.26	4	-0.19
Wet weight crop yield of fruit, grain and non-leafy vegetables	14	0.01	14	0.01	18	0.00	18	0.00
Weathering removal constant of all vegetation	5	0.05	5	0.05	15	0.02	15	0.01
Wet foliar interception fraction of leafy vegetables	11	-0.02	11	-0.02	10	0.04	10	0.03
Humidity in air	12	-0.02	12	-0.02	13	-0.04	13	-0.02
Cover erosion rate	17	0.00	17	0.00	5	0.16	5	0.11
Kd of Pu-239 in Contaminated Zone	2	-0.14	2	-0.13	3	-0.49	3	-0.38
Kd of Pu-239 in Saturated Zone	3	-0.07	3	-0.07	1	-0.53	1	-0.42
Well pump intake depth	1	-0.28	1	-0.28	2	-0.51	2	-0.40

R-SQUARE	0.11	0.11	0.54	0.54
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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.