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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	8.13	2.64																							
17	DCACTS(3)	LOGNORMAL-N	8.13	2.64																							
18	DWIBWT	CONTINUOUS LINEAR	6	5	0	24													.29	43	.66	53	.68	76	.95	89	1

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
Cm-243										
Min	0.00E+00	6.22E-06	4.63E-08	9.58E-08	1.92E-07	4.95E-07	6.22E-08	3.88E-08	3.34E-08	3.27E-08
Max	1.00E+03	7.76E-01	6.01E-01	4.07E-01	7.59E-01	2.99E-01	1.15E-01	1.97E-02	1.25E-04	3.02E-05
Avg	1.62E+01	1.56E-02	1.27E-02	1.07E-02	9.16E-03	6.89E-03	3.80E-03	7.02E-04	1.80E-05	9.70E-06
Std	6.69E+01	4.65E-02	3.81E-02	2.43E-02	2.77E-02	1.35E-02	6.75E-03	1.43E-03	1.65E-05	5.82E-06
ΣALL										
Min	0.00E+00	6.22E-06	4.63E-08	9.58E-08	1.92E-07	4.95E-07	6.22E-08	3.88E-08	3.34E-08	3.27E-08
Max	1.00E+03	7.76E-01	6.01E-01	4.07E-01	7.59E-01	2.99E-01	1.15E-01	1.97E-02	1.25E-04	3.02E-05
Avg	1.62E+01	1.56E-02	1.27E-02	1.07E-02	9.16E-03	6.89E-03	3.80E-03	7.02E-04	1.80E-05	9.70E-06
Std	6.69E+01	4.65E-02	3.81E-02	2.43E-02	2.77E-02	1.35E-02	6.75E-03	1.43E-03	1.65E-05	5.82E-06

ΣALL 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
Cm-243									
Min		2.51E-14	8.33E-14	1.96E-13	5.54E-13	7.42E-14	4.62E-14	3.98E-14	3.90E-14
Max		1.28E-06	4.14E-07	7.97E-07	1.89E-06	1.20E-06	2.17E-07	1.73E-09	4.94E-11
Avg		1.92E-08	1.48E-08	1.24E-08	1.69E-08	1.18E-08	2.33E-09	7.46E-11	1.18E-11
Std		6.83E-08	3.23E-08	3.03E-08	1.03E-07	7.97E-08	1.60E-08	2.49E-10	7.38E-12
ALL									
Min		2.51E-14	8.33E-14	1.96E-13	5.54E-13	7.42E-14	4.62E-14	3.98E-14	3.90E-14
Max		1.28E-06	4.14E-07	7.97E-07	1.89E-06	1.20E-06	2.17E-07	1.73E-09	4.94E-11
Avg		1.92E-08	1.48E-08	1.24E-08	1.69E-08	1.18E-08	2.33E-09	7.46E-11	1.18E-11
Std		6.83E-08	3.23E-08	3.03E-08	1.03E-07	7.97E-08	1.60E-08	2.49E-10	7.38E-12

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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Cm-243									
Min		3.54E-12	6.96E-15	6.67E-19	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		2.22E-10	8.28E-09	1.15E-05	8.50E-02	5.42E-02	9.89E-03	7.77E-05	1.12E-06
Avg		2.34E-11	5.07E-11	2.26E-08	3.97E-04	3.07E-04	6.76E-05	2.53E-06	1.68E-08
Std		1.17E-11	3.72E-10	4.26E-07	4.64E-03	3.54E-03	7.27E-04	1.13E-05	9.06E-08
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ALL									
Min		3.54E-12	6.96E-15	6.67E-19	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		2.22E-10	8.28E-09	1.15E-05	8.50E-02	5.42E-02	9.89E-03	7.77E-05	1.12E-06
Avg		2.34E-11	5.07E-11	2.26E-08	3.97E-04	3.07E-04	6.76E-05	2.53E-06	1.68E-08
Std		1.17E-11	3.72E-10	4.26E-07	4.64E-03	3.54E-03	7.27E-04	1.13E-05	9.06E-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

Cm-243									
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	5.60E-04	1.66E-04	7.67E-05	1.03E-06	5.15E-07
Avg		0.00E+00	0.00E+00	0.00E+00	2.22E-06	9.21E-07	2.30E-07	2.38E-08	2.28E-09
Std		0.00E+00	0.00E+00	0.00E+00	2.79E-05	1.06E-05	3.03E-06	9.71E-08	2.15E-08

ALL									
Min		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		0.00E+00	0.00E+00	0.00E+00	5.60E-04	1.66E-04	7.67E-05	1.03E-06	5.15E-07
Avg		0.00E+00	0.00E+00	0.00E+00	2.22E-06	9.21E-07	2.30E-07	2.38E-08	2.28E-09
Std		0.00E+00	0.00E+00	0.00E+00	2.79E-05	1.06E-05	3.03E-06	9.71E-08	2.15E-08

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
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Cm-243									
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): Plant (Water Ind.)

Nuclide		DOSE(i,j,t), mrem/yr							
(j)	t=	0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
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Cm-243									
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		1.35E-02	1.32E-02	1.26E-02	3.78E-02	9.61E-03	3.03E-03	5.13E-05	2.03E-05
Avg		5.26E-03	5.06E-03	4.71E-03	3.85E-03	2.17E-03	3.81E-04	4.51E-06	2.04E-07
Std		3.59E-03	3.49E-03	3.31E-03	3.00E-03	1.73E-03	3.66E-04	6.43E-06	1.14E-06
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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		1.35E-02	1.32E-02	1.26E-02	3.78E-02	9.61E-03	3.03E-03	5.13E-05	2.03E-05
Avg		5.26E-03	5.06E-03	4.71E-03	3.85E-03	2.17E-03	3.81E-04	4.51E-06	2.04E-07
Std		3.59E-03	3.49E-03	3.31E-03	3.00E-03	1.73E-03	3.66E-04	6.43E-06	1.14E-06
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ALL is total pathway dose summed for all nuclides.

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

Nuclide	DOSE(i,j,t), mrem/yr								
	(j)	t= 0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
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Cm-243									
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		7.97E-07	7.78E-07	7.41E-07	7.52E-05	2.36E-05	7.99E-06	3.45E-07	2.17E-07
Avg		3.10E-07	2.98E-07	2.78E-07	5.69E-07	2.82E-07	6.45E-08	7.55E-09	1.30E-09
Std		2.11E-07	2.05E-07	1.95E-07	3.84E-06	1.63E-06	4.37E-07	2.96E-08	1.02E-08
ALL									
Min		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		7.97E-07	7.78E-07	7.41E-07	7.52E-05	2.36E-05	7.99E-06	3.45E-07	2.17E-07
Avg		3.10E-07	2.98E-07	2.78E-07	5.69E-07	2.82E-07	6.45E-08	7.55E-09	1.30E-09
Std		2.11E-07	2.05E-07	1.95E-07	3.84E-06	1.63E-06	4.37E-07	2.96E-08	1.02E-08
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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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Cm-243									
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		6.20E-07	6.05E-07	5.76E-07	2.71E-05	7.92E-06	2.67E-06	3.31E-08	9.74E-09
Avg		2.41E-07	2.32E-07	2.16E-07	2.91E-07	1.50E-07	3.08E-08	1.22E-09	6.17E-11
Std		1.64E-07	1.60E-07	1.51E-07	1.33E-06	5.50E-07	1.44E-07	3.89E-09	4.63E-10
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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		6.20E-07	6.05E-07	5.76E-07	2.71E-05	7.92E-06	2.67E-06	3.31E-08	9.74E-09
Avg		2.41E-07	2.32E-07	2.16E-07	2.91E-07	1.50E-07	3.08E-08	1.22E-09	6.17E-11
Std		1.64E-07	1.60E-07	1.51E-07	1.33E-06	5.50E-07	1.44E-07	3.89E-09	4.63E-10
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ALL is total pathway dose summed for all nuclides.

Probabilistic Dose vs Pathway(i): Soil Ingestion

Nuclide		DOSE(i,j,t), mrem/yr							
(j)	t=	0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
Cm-243									
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	5.68E-03	1.65E-03	5.39E-04	1.10E-05	5.47E-06
Avg		0.00E+00	0.00E+00	0.00E+00	2.43E-05	1.07E-05	2.87E-06	2.97E-07	3.23E-08
Std		0.00E+00	0.00E+00	0.00E+00	2.74E-04	1.14E-04	2.98E-05	1.11E-06	2.57E-07
ALL									
Min		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		0.00E+00	0.00E+00	0.00E+00	5.68E-03	1.65E-03	5.39E-04	1.10E-05	5.47E-06
Avg		0.00E+00	0.00E+00	0.00E+00	2.43E-05	1.07E-05	2.87E-06	2.97E-07	3.23E-08
Std		0.00E+00	0.00E+00	0.00E+00	2.74E-04	1.14E-04	2.98E-05	1.11E-06	2.57E-07

ALL is total pathway dose summed for all nuclides.

Probabilistic Dose vs Pathway(i): Water Ingestion

Nuclide		DOSE(i,j,t), mrem/yr							
(j)	t=	0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
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Cm-243									
Min		4.31E-08	8.92E-08	1.78E-07	4.61E-07	5.32E-08	3.32E-08	2.86E-08	2.80E-08
Max		5.80E-01	3.75E-01	6.99E-01	2.75E-01	8.69E-02	1.71E-02	4.80E-05	1.91E-05
Avg		6.84E-03	5.10E-03	4.05E-03	2.38E-03	1.18E-03	2.26E-04	9.71E-06	8.66E-06
Std		3.50E-02	2.21E-02	2.54E-02	1.11E-02	4.78E-03	1.03E-03	6.59E-06	5.20E-06
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ALL									
Min		4.31E-08	8.92E-08	1.78E-07	4.61E-07	5.32E-08	3.32E-08	2.86E-08	2.80E-08
Max		5.80E-01	3.75E-01	6.99E-01	2.75E-01	8.69E-02	1.71E-02	4.80E-05	1.91E-05
Avg		6.84E-03	5.10E-03	4.05E-03	2.38E-03	1.18E-03	2.26E-04	9.71E-06	8.66E-06
Std		3.50E-02	2.21E-02	2.54E-02	1.11E-02	4.78E-03	1.03E-03	6.59E-06	5.20E-06
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ALL is total pathway dose summed for all nuclides.

Probabilistic Dose vs Pathway(i): Fish Ingestion

Nuclide		DOSE(i,j,t), mrem/yr							
(j)	t=	0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
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Cm-243									
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
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Cm-243									
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 results summary : RESRAD Default Parameters

File : C:\USERS\DNF\DOCUMENTS\FT CALHOUN\RESRAD INPUT FILES\BP INSITU UA\FCS BURIED PIPE INSITU UA CM-243.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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Cm-243									
Min		3.15E-09	5.18E-09	7.90E-09	1.67E-08	9.00E-09	5.61E-09	4.83E-09	4.73E-09
Max		7.45E-02	4.02E-02	5.95E-02	3.28E-02	2.73E-02	4.50E-03	9.67E-06	9.26E-06
Avg		6.44E-04	4.92E-04	3.92E-04	2.41E-04	1.27E-04	2.44E-05	8.89E-07	7.90E-07
Std		3.71E-03	2.54E-03	2.48E-03	1.46E-03	9.91E-04	1.83E-04	9.19E-07	7.58E-07
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ALL									
Min		3.15E-09	5.18E-09	7.90E-09	1.67E-08	9.00E-09	5.61E-09	4.83E-09	4.73E-09
Max		7.45E-02	4.02E-02	5.95E-02	3.28E-02	2.73E-02	4.50E-03	9.67E-06	9.26E-06
Avg		6.44E-04	4.92E-04	3.92E-04	2.41E-04	1.27E-04	2.44E-05	8.89E-07	7.90E-07
Std		3.71E-03	2.54E-03	2.48E-03	1.46E-03	9.91E-04	1.83E-04	9.19E-07	7.58E-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
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CM-243									
Min		3.28E-12	8.83E-12	1.97E-11	3.48E-11	5.69E-12	4.68E-12	4.44E-12	4.35E-12
Max		2.66E-05	1.60E-05	3.09E-05	1.25E-05	5.18E-06	9.88E-07	4.21E-09	3.56E-09
Avg		3.39E-07	2.48E-07	1.94E-07	1.15E-07	5.79E-08	1.17E-08	1.21E-09	1.16E-09
Std		1.76E-06	1.07E-06	1.15E-06	5.32E-07	2.53E-07	5.49E-08	7.76E-10	7.16E-10
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ΣALL									
Min		3.28E-12	8.83E-12	1.97E-11	3.48E-11	5.69E-12	4.68E-12	4.44E-12	4.35E-12
Max		2.66E-05	1.60E-05	3.09E-05	1.25E-05	5.18E-06	9.88E-07	4.21E-09	3.56E-09
Avg		3.39E-07	2.48E-07	1.94E-07	1.15E-07	5.79E-08	1.17E-08	1.21E-09	1.16E-09
Std		1.76E-06	1.07E-06	1.15E-06	5.32E-07	2.53E-07	5.49E-08	7.76E-10	7.16E-10
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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 CM-243.RAD

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

Nuclide		DOSE(i,j,t), mrem/yr							
(j)	t=	0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
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Cm-243									
Min		6.70E-13	1.11E-12	1.97E-12	4.64E-12	1.13E-12	4.77E-13	3.31E-13	3.23E-13
Max		1.28E-05	8.42E-06	1.61E-05	6.45E-06	3.01E-06	5.66E-07	1.01E-09	2.83E-10
Avg		1.78E-07	1.31E-07	1.03E-07	6.10E-08	3.09E-08	5.90E-09	1.09E-10	8.14E-11
Std		9.16E-07	5.69E-07	6.02E-07	2.83E-07	1.41E-07	3.06E-08	1.04E-10	5.20E-11
ALL									
Min		6.70E-13	1.11E-12	1.97E-12	4.64E-12	1.13E-12	4.77E-13	3.31E-13	3.23E-13
Max		1.28E-05	8.42E-06	1.61E-05	6.45E-06	3.01E-06	5.66E-07	1.01E-09	2.83E-10
Avg		1.78E-07	1.31E-07	1.03E-07	6.10E-08	3.09E-08	5.90E-09	1.09E-10	8.14E-11
Std		9.16E-07	5.69E-07	6.02E-07	2.83E-07	1.41E-07	3.06E-08	1.04E-10	5.20E-11
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ALL is total pathway dose summed for all nuclides.

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	1.34E-05	1.45E-05	1.42E-05	1.25E-05	8.91E-06	4.93E-06	2.56E-06	1.73E-06
0.050	4.40E-05	4.30E-05	4.21E-05	3.69E-05	2.28E-05	7.49E-06	3.99E-06	3.32E-06
0.075	1.10E-04	1.09E-04	1.10E-04	1.01E-04	5.21E-05	1.26E-05	4.52E-06	3.66E-06
0.100	2.05E-04	2.20E-04	2.17E-04	2.07E-04	1.05E-04	2.02E-05	5.03E-06	3.90E-06
0.125	4.72E-04	4.64E-04	4.47E-04	4.18E-04	2.08E-04	3.39E-05	5.49E-06	4.11E-06
0.150	9.99E-04	9.64E-04	9.32E-04	7.39E-04	3.85E-04	5.01E-05	6.11E-06	4.21E-06
0.175	2.48E-03	2.39E-03	2.21E-03	1.71E-03	6.55E-04	7.42E-05	6.87E-06	4.41E-06
0.200	4.04E-03	3.93E-03	3.75E-03	3.07E-03	1.09E-03	1.09E-04	7.59E-06	4.50E-06
0.225	4.30E-03	4.19E-03	3.98E-03	3.26E-03	1.65E-03	1.52E-04	8.04E-06	4.73E-06
0.250	4.52E-03	4.40E-03	4.20E-03	3.44E-03	1.91E-03	2.29E-04	8.55E-06	4.92E-06
0.275	4.66E-03	4.54E-03	4.32E-03	3.59E-03	2.02E-03	2.77E-04	8.95E-06	5.06E-06
0.300	4.81E-03	4.70E-03	4.47E-03	3.70E-03	2.10E-03	3.28E-04	9.38E-06	5.23E-06
0.325	4.99E-03	4.87E-03	4.63E-03	3.82E-03	2.19E-03	3.53E-04	9.93E-06	5.48E-06
0.350	5.14E-03	4.99E-03	4.77E-03	3.95E-03	2.28E-03	3.70E-04	1.04E-05	5.79E-06
0.375	5.36E-03	5.22E-03	4.95E-03	4.07E-03	2.35E-03	3.91E-04	1.08E-05	6.42E-06
0.400	5.53E-03	5.37E-03	5.15E-03	4.22E-03	2.41E-03	4.05E-04	1.12E-05	6.93E-06
0.425	5.78E-03	5.59E-03	5.33E-03	4.35E-03	2.49E-03	4.19E-04	1.20E-05	7.34E-06
0.450	6.04E-03	5.89E-03	5.55E-03	4.51E-03	2.57E-03	4.33E-04	1.27E-05	7.67E-06
0.475	6.32E-03	6.14E-03	5.80E-03	4.71E-03	2.66E-03	4.49E-04	1.32E-05	7.91E-06
0.500	6.57E-03	6.37E-03	6.00E-03	4.90E-03	2.77E-03	4.61E-04	1.37E-05	8.18E-06
0.525	6.83E-03	6.63E-03	6.30E-03	5.06E-03	2.90E-03	4.79E-04	1.44E-05	8.57E-06
0.550	7.13E-03	6.94E-03	6.59E-03	5.26E-03	3.01E-03	4.96E-04	1.51E-05	8.82E-06
0.575	7.45E-03	7.25E-03	6.88E-03	5.46E-03	3.13E-03	5.21E-04	1.57E-05	9.27E-06
0.600	7.78E-03	7.49E-03	7.11E-03	5.67E-03	3.23E-03	5.39E-04	1.64E-05	9.60E-06
0.625	8.07E-03	7.84E-03	7.41E-03	5.89E-03	3.40E-03	5.59E-04	1.73E-05	1.01E-05
0.650	8.46E-03	8.19E-03	7.83E-03	6.19E-03	3.53E-03	5.86E-04	1.82E-05	1.04E-05
0.675	8.80E-03	8.67E-03	8.09E-03	6.43E-03	3.70E-03	6.17E-04	1.93E-05	1.09E-05
0.700	9.26E-03	9.01E-03	8.54E-03	6.81E-03	3.85E-03	6.58E-04	2.02E-05	1.17E-05
0.725	9.82E-03	9.53E-03	8.97E-03	7.10E-03	3.98E-03	6.73E-04	2.08E-05	1.25E-05
0.750	1.03E-02	9.99E-03	9.48E-03	7.48E-03	4.21E-03	7.12E-04	2.19E-05	1.33E-05
0.775	1.10E-02	1.07E-02	1.02E-02	7.77E-03	4.44E-03	7.60E-04	2.28E-05	1.44E-05
0.800	1.16E-02	1.13E-02	1.07E-02	8.22E-03	4.68E-03	8.29E-04	2.38E-05	1.54E-05
0.825	1.22E-02	1.18E-02	1.11E-02	8.68E-03	4.96E-03	8.79E-04	2.55E-05	1.67E-05
0.850	1.28E-02	1.24E-02	1.16E-02	8.99E-03	5.27E-03	9.50E-04	2.67E-05	1.79E-05
0.875	1.38E-02	1.33E-02	1.23E-02	9.72E-03	5.58E-03	1.02E-03	2.86E-05	1.92E-05
0.900	1.64E-02	1.54E-02	1.35E-02	1.03E-02	6.03E-03	1.15E-03	3.18E-05	1.98E-05
0.925	2.08E-02	1.94E-02	1.69E-02	1.17E-02	6.45E-03	1.33E-03	3.57E-05	2.00E-05
0.950	3.24E-02	2.83E-02	2.21E-02	1.59E-02	7.50E-03	1.61E-03	4.66E-05	2.05E-05
0.975	6.79E-02	5.61E-02	3.55E-02	2.93E-02	1.36E-02	3.11E-03	7.78E-05	2.13E-05
1.000	6.01E-01	4.07E-01	7.59E-01	2.99E-01	1.15E-01	1.97E-02	1.25E-04	3.02E-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	3.85E-07	4.18E-01	1.35E-02	6.37E-03	1.76E-02	3.33E-02	8.84E-02	3.34E-01
1.00E+00	4.25E-07	2.48E-01	1.10E-02	6.22E-03	1.73E-02	3.20E-02	6.19E-02	1.66E-01
1.06E+00	4.28E-07	2.41E-01	1.09E-02	6.21E-03	1.74E-02	3.17E-02	6.06E-02	1.65E-01
1.12E+00	4.30E-07	2.33E-01	1.08E-02	6.20E-03	1.74E-02	3.13E-02	5.94E-02	1.64E-01
1.19E+00	4.33E-07	2.25E-01	1.07E-02	6.19E-03	1.73E-02	3.10E-02	5.81E-02	1.63E-01
1.25E+00	4.36E-07	2.17E-01	1.06E-02	6.17E-03	1.73E-02	3.08E-02	5.67E-02	1.62E-01
1.33E+00	4.39E-07	2.09E-01	1.04E-02	6.16E-03	1.72E-02	3.07E-02	5.54E-02	1.61E-01
1.40E+00	4.42E-07	2.01E-01	1.03E-02	6.15E-03	1.71E-02	3.06E-02	5.40E-02	1.60E-01
1.49E+00	4.45E-07	1.93E-01	1.02E-02	6.14E-03	1.71E-02	3.05E-02	5.26E-02	1.53E-01
1.57E+00	4.49E-07	1.84E-01	1.01E-02	6.12E-03	1.67E-02	3.03E-02	5.12E-02	1.46E-01
1.66E+00	4.52E-07	1.76E-01	9.96E-03	6.11E-03	1.64E-02	3.02E-02	4.97E-02	1.38E-01
1.76E+00	4.56E-07	1.67E-01	9.84E-03	6.09E-03	1.61E-02	3.00E-02	4.82E-02	1.31E-01
1.86E+00	4.61E-07	1.58E-01	9.71E-03	6.08E-03	1.61E-02	2.94E-02	4.68E-02	1.23E-01
1.97E+00	4.65E-07	1.53E-01	9.59E-03	6.06E-03	1.62E-02	2.87E-02	4.53E-02	1.16E-01
2.09E+00	4.70E-07	1.51E-01	9.46E-03	6.04E-03	1.63E-02	2.80E-02	4.17E-02	1.08E-01
2.21E+00	4.75E-07	1.50E-01	9.33E-03	6.02E-03	1.63E-02	2.73E-02	3.92E-02	1.05E-01
2.34E+00	4.80E-07	1.48E-01	9.21E-03	6.00E-03	1.63E-02	2.59E-02	3.69E-02	1.04E-01
2.47E+00	4.86E-07	1.46E-01	9.08E-03	5.98E-03	1.61E-02	2.59E-02	3.48E-02	1.02E-01
2.62E+00	4.92E-07	1.45E-01	8.95E-03	5.96E-03	1.58E-02	2.53E-02	3.27E-02	1.01E-01
2.77E+00	4.98E-07	1.43E-01	8.83E-03	5.94E-03	1.59E-02	2.51E-02	3.21E-02	9.89E-02
2.93E+00	5.05E-07	1.41E-01	8.70E-03	5.92E-03	1.59E-02	2.47E-02	3.19E-02	9.11E-02
3.00E+00	5.07E-07	1.40E-01	8.65E-03	5.90E-03	1.59E-02	2.34E-02	3.18E-02	8.80E-02
3.310E+00	5.12E-07	1.39E-01	8.57E-03	5.88E-03	1.58E-02	2.27E-02	3.17E-02	8.35E-02
3.328E+00	5.19E-07	1.37E-01	8.45E-03	5.84E-03	1.56E-02	2.25E-02	3.15E-02	7.61E-02
3.48E+00	5.27E-07	1.35E-01	8.34E-03	5.81E-03	1.50E-02	2.23E-02	3.18E-02	6.90E-02
3.68E+00	5.36E-07	1.32E-01	8.23E-03	5.78E-03	1.44E-02	2.35E-02	3.22E-02	6.23E-02
3.89E+00	5.44E-07	1.30E-01	8.13E-03	5.75E-03	1.43E-02	2.32E-02	3.29E-02	5.60E-02
4.12E+00	5.54E-07	1.27E-01	8.03E-03	5.72E-03	1.42E-02	2.27E-02	3.34E-02	5.00E-02
4.36E+00	5.64E-07	1.25E-01	7.94E-03	5.68E-03	1.41E-02	2.18E-02	3.35E-02	4.51E-02
4.61E+00	5.75E-07	1.22E-01	7.83E-03	5.65E-03	1.40E-02	2.11E-02	3.42E-02	4.63E-02
4.88E+00	5.86E-07	1.20E-01	7.71E-03	5.61E-03	1.38E-02	2.09E-02	3.44E-02	4.70E-02
5.17E+00	5.98E-07	1.17E-01	7.61E-03	5.54E-03	1.37E-02	2.08E-02	3.35E-02	5.03E-02
5.47E+00	6.10E-07	1.14E-01	7.52E-03	5.48E-03	1.36E-02	2.06E-02	3.26E-02	5.81E-02
5.78E+00	6.24E-07	1.11E-01	7.47E-03	5.45E-03	1.28E-02	2.04E-02	3.17E-02	7.46E-02
6.12E+00	6.38E-07	1.08E-01	7.42E-03	5.40E-03	1.24E-02	1.94E-02	3.08E-02	7.22E-02
6.48E+00	6.53E-07	1.04E-01	7.36E-03	5.32E-03	1.21E-02	1.90E-02	3.04E-02	6.99E-02
6.86E+00	6.69E-07	1.01E-01	7.29E-03	5.27E-03	1.19E-02	1.86E-02	3.32E-02	6.74E-02
7.26E+00	6.86E-07	9.79E-02	7.27E-03	5.22E-03	1.16E-02	1.82E-02	3.25E-02	7.41E-02
7.68E+00	7.04E-07	1.01E-01	7.23E-03	5.14E-03	1.15E-02	1.78E-02	3.17E-02	9.06E-02
8.13E+00	7.23E-07	1.06E-01	7.12E-03	5.07E-03	1.14E-02	1.73E-02	3.09E-02	8.61E-02
8.60E+00	7.43E-07	1.01E-01	6.99E-03	4.97E-03	1.11E-02	1.68E-02	3.01E-02	8.17E-02
9.10E+00	7.64E-07	9.68E-02	6.86E-03	4.92E-03	1.10E-02	1.63E-02	2.98E-02	7.72E-02
9.63E+00	7.87E-07	9.20E-02	6.76E-03	4.83E-03	1.08E-02	1.62E-02	3.01E-02	7.27E-02
1.00E+01	8.03E-07	8.88E-02	6.73E-03	4.77E-03	1.07E-02	1.55E-02	3.90E-02	6.97E-02
1.02E+01	8.11E-07	8.71E-02	6.74E-03	4.74E-03	1.06E-02	1.51E-02	3.95E-02	6.83E-02
1.08E+01	8.36E-07	9.06E-02	6.69E-03	4.67E-03	1.04E-02	1.53E-02	3.85E-02	7.27E-02
1.14E+01	8.63E-07	8.77E-02	6.55E-03	4.58E-03	1.02E-02	1.48E-02	3.73E-02	6.89E-02
1.21E+01	8.92E-07	8.04E-02	6.42E-03	4.52E-03	9.91E-03	1.43E-02	3.64E-02	6.52E-02
1.28E+01	9.22E-07	7.28E-02	6.25E-03	4.44E-03	9.62E-03	1.38E-02	3.61E-02	6.15E-02
1.35E+01	9.54E-07	6.48E-02	6.06E-03	4.35E-03	9.24E-03	1.37E-02	3.47E-02	5.76E-02
1.43E+01	9.88E-07	5.87E-02	5.86E-03	4.24E-03	8.90E-03	1.37E-02	3.39E-02	5.42E-02
1.51E+01	1.02E-06	5.98E-02	5.66E-03	4.11E-03	8.71E-03	1.30E-02	3.29E-02	5.05E-02
1.60E+01	1.06E-06	6.09E-02	5.47E-03	3.99E-03	8.74E-03	1.22E-02	3.07E-02	4.68E-02
1.70E+01	1.10E-06	6.19E-02	5.30E-03	3.90E-03	8.66E-03	1.22E-02	2.58E-02	4.34E-02
1.80E+01	1.14E-06	6.28E-02	5.22E-03	3.79E-03	8.45E-03	1.34E-02	2.53E-02	5.65E-02
1.90E+01	1.19E-06	7.10E-02	5.08E-03	3.65E-03	7.97E-03	1.09E-02	2.26E-02	5.68E-02

2.01E+01 1.23E-06 6.43E-02 4.97E-03 3.54E-03 7.71E-03 1.05E-02 2.36E-02 5.71E-02

2.13E+01 1.28E-06 6.49E-02 4.69E-03 3.46E-03 7.45E-03 9.92E-03 1.85E-02 5.69E-02

2.25E+01 1.34E-06 6.53E-02 4.52E-03 3.35E-03 7.22E-03 9.63E-03 1.73E-02 4.96E-02

2.38E+01 1.39E-06 6.56E-02 4.40E-03 3.25E-03 6.98E-03 9.21E-03 2.15E-02 4.13E-02

2.52E+01 1.45E-06 6.58E-02 4.28E-03 3.13E-03 6.70E-03 8.79E-03 1.99E-02 5.08E-02

2.67E+01 1.51E-06 6.58E-02 4.08E-03 2.99E-03 6.46E-03 8.37E-03 1.84E-02 4.83E-02

2.82E+01 1.57E-06 6.56E-02 3.88E-03 2.87E-03 6.26E-03 7.99E-03 1.53E-02 4.58E-02

2.99E+01 1.64E-06 6.53E-02 3.69E-03 2.75E-03 5.98E-03 7.53E-03 1.45E-02 4.33E-02

3.00E+01 1.64E-06 6.52E-02 3.67E-03 2.74E-03 5.96E-03 7.50E-03 1.44E-02 4.31E-02

3.16E+01 1.99E-07 6.47E-02 3.52E-03 2.64E-03 5.75E-03 7.03E-03 1.35E-02 4.08E-02

3.35E+01 2.00E-07 6.40E-02 3.38E-03 2.53E-03 5.50E-03 6.68E-03 1.36E-02 3.83E-02

3.54E+01 2.00E-07 6.30E-02 3.27E-03 2.38E-03 5.23E-03 6.27E-03 1.38E-02 3.59E-02

3.75E+01 2.00E-07 6.18E-02 3.18E-03 2.28E-03 4.98E-03 6.29E-03 1.34E-02 4.55E-02

3.97E+01 2.00E-07 6.05E-02 3.06E-03 2.15E-03 4.71E-03 5.95E-03 1.54E-02 3.85E-02

4.20E+01 2.00E-07 5.89E-02 2.92E-03 2.01E-03 4.45E-03 5.83E-03 1.49E-02 4.16E-02

4.44E+01 2.00E-07 5.71E-02 2.73E-03 1.88E-03 4.20E-03 5.28E-03 1.43E-02 3.87E-02

4.70E+01 2.01E-07 5.51E-02 2.53E-03 1.73E-03 3.94E-03 4.87E-03 1.37E-02 3.59E-02

4.97E+01 2.01E-07 5.30E-02 2.34E-03 1.62E-03 3.56E-03 4.58E-03 1.09E-02 3.32E-02

5.26E+01 2.01E-07 5.07E-02 2.15E-03 1.51E-03 3.31E-03 4.17E-03 1.04E-02 3.05E-02

5.57E+01 2.01E-07 4.82E-02 1.99E-03 1.39E-03 3.10E-03 3.96E-03 9.63E-03 2.79E-02

5.90E+01 2.01E-07 4.56E-02 1.86E-03 1.29E-03 2.93E-03 3.85E-03 8.69E-03 2.54E-02

6.24E+01 2.01E-07 4.29E-02 1.76E-03 1.17E-03 2.67E-03 3.59E-03 9.27E-03 2.30E-02

6.60E+01 2.01E-07 4.01E-02 1.68E-03 1.08E-03 2.44E-03 3.28E-03 9.76E-03 2.45E-02

6.99E+01 2.02E-07 3.73E-02 1.52E-03 9.59E-04 2.25E-03 2.98E-03 9.07E-03 2.14E-02

7.39E+01 2.02E-07 3.44E-02 1.38E-03 8.91E-04 2.05E-03 2.83E-03 8.38E-03 1.85E-02

7.82E+01 2.02E-07 3.16E-02 1.23E-03 8.04E-04 1.85E-03 2.81E-03 7.32E-03 1.59E-02

8.28E+01 2.02E-07 2.87E-02 1.09E-03 7.25E-04 1.68E-03 2.53E-03 5.42E-03 1.34E-02

8.76E+01 2.02E-07 2.59E-02 9.62E-04 6.45E-04 1.49E-03 2.26E-03 4.82E-03 1.11E-02

9.27E+01 2.02E-07 2.32E-02 8.56E-04 5.57E-04 1.33E-03 1.99E-03 4.89E-03 9.33E-03

9.81E+01 2.02E-07 2.06E-02 7.73E-04 4.88E-04 1.17E-03 1.75E-03 4.38E-03 1.12E-02

1.00E+02 2.02E-07 1.97E-02 7.37E-04 4.65E-04 1.12E-03 1.67E-03 4.15E-03 1.06E-02

1.04E+02 2.02E-07 1.63E-02 6.61E-04 4.21E-04 1.07E-03 1.52E-03 3.71E-03 8.57E-03

1.10E+02 2.02E-07 1.21E-02 5.58E-04 3.59E-04 9.29E-04 1.32E-03 3.12E-03 5.82E-03

1.16E+02 2.02E-07 8.86E-03 4.69E-04 3.08E-04 8.25E-04 1.14E-03 2.49E-03 4.51E-03

1.23E+02 2.02E-07 7.43E-03 3.88E-04 2.67E-04 7.04E-04 9.58E-04 1.65E-03 3.76E-03

1.30E+02 2.02E-07 6.25E-03 3.18E-04 2.27E-04 5.78E-04 8.04E-04 1.20E-03 3.08E-03

1.38E+02 2.02E-07 4.09E-03 2.59E-04 1.89E-04 4.87E-04 6.71E-04 9.88E-04 2.49E-03

1.46E+02 2.02E-07 2.35E-03 2.14E-04 1.60E-04 4.21E-04 5.78E-04 9.08E-04 1.99E-03

1.54E+02 2.02E-07 2.69E-03 1.78E-04 1.29E-04 3.49E-04 4.72E-04 7.12E-04 1.38E-03

1.63E+02 2.02E-07 1.53E-03 1.42E-04 1.05E-04 2.84E-04 3.89E-04 5.65E-04 9.38E-04

1.73E+02 2.02E-07 9.51E-04 1.12E-04 8.55E-05 2.41E-04 3.16E-04 3.93E-04 6.01E-04

1.83E+02 2.02E-07 7.23E-04 8.98E-05 6.99E-05 1.94E-04 2.42E-04 3.19E-04 3.96E-04

1.94E+02 2.02E-07 5.42E-04 7.42E-05 5.80E-05 1.60E-04 2.02E-04 2.54E-04 3.57E-04

2.05E+02 2.02E-07 4.01E-04 6.13E-05 4.77E-05 1.33E-04 1.64E-04 2.39E-04 2.85E-04

2.17E+02 2.02E-07 4.10E-04 5.25E-05 3.86E-05 1.09E-04 1.50E-04 2.19E-04 2.93E-04

2.29E+02 2.02E-07 4.46E-04 4.56E-05 3.08E-05 8.95E-05 1.54E-04 2.02E-04 3.39E-04

2.43E+02 2.02E-07 3.19E-04 3.97E-05 2.58E-05 7.48E-05 1.45E-04 2.24E-04 2.91E-04

2.57E+02 2.02E-07 2.25E-04 2.95E-05 2.09E-05 5.60E-05 9.53E-05 1.32E-04 1.88E-04

2.72E+02 2.02E-07 1.65E-04 2.49E-05 1.82E-05 4.48E-05 8.09E-05 1.18E-04 1.57E-04

2.88E+02 2.02E-07 1.26E-04 2.05E-05 1.57E-05 3.98E-05 5.82E-05 8.73E-05 1.12E-04

3.00E+02 2.02E-07 1.25E-04 1.79E-05 1.38E-05 3.17E-05 4.31E-05 8.20E-05 8.98E-05

3.05E+02 2.02E-07 9.64E-05 1.72E-05 1.33E-05 3.06E-05 4.42E-05 6.54E-05 8.24E-05

3.22E+02 2.02E-07 9.05E-05 1.50E-05 1.18E-05 2.67E-05 3.49E-05 5.00E-05 6.23E-05

3.41E+02 2.02E-07 4.89E-05 1.32E-05 1.09E-05 2.41E-05 2.64E-05 3.44E-05 4.43E-05

3.61E+02 2.01E-07 4.01E-05 1.22E-05 1.03E-05 2.26E-05 2.41E-05 2.83E-05 3.26E-05

3.82E+02 2.01E-07 3.44E-05 1.16E-05 9.87E-06 2.17E-05 2.31E-05 2.44E-05 3.12E-05

4.04E+02 2.01E-07 3.07E-05 1.11E-05 9.43E-06 2.11E-05 2.26E-05 2.41E-05 3.02E-05

4.28E+02 2.01E-07 3.84E-05 1.09E-05 9.09E-06 2.10E-05 2.23E-05 2.50E-05 2.95E-05

4.53E+02 2.01E-07 2.88E-05 1.06E-05 8.92E-06 2.07E-05 2.20E-05 2.39E-05 2.67E-05

4.79E+02 2.01E-07 3.02E-05 1.04E-05 8.77E-06 2.05E-05 2.17E-05 2.26E-05 2.56E-05

5.07E+02 2.01E-07 2.95E-05 1.03E-05 8.72E-06 2.04E-05 2.15E-05 2.24E-05 2.49E-05

5.36E+02 2.00E-07 2.89E-05 1.03E-05 8.73E-06 2.04E-05 2.13E-05 2.24E-05 2.45E-05

5.68E+02 2.00E-07 3.42E-05 1.02E-05 8.63E-06 2.03E-05 2.12E-05 2.25E-05 2.83E-05

6.01E+02 2.00E-07 3.29E-05 1.01E-05 8.59E-06 2.02E-05 2.11E-05 2.24E-05 2.78E-05

6.36E+02 2.00E-07 3.17E-05 1.01E-05 8.41E-06 2.02E-05 2.10E-05 2.23E-05 2.40E-05

6.73E+02 2.00E-07 3.06E-05 9.97E-06 8.36E-06 2.01E-05 2.08E-05 2.20E-05 2.31E-05

7.12E+02 1.99E-07 3.08E-05 9.86E-06 8.34E-06 2.01E-05 2.07E-05 2.19E-05 2.25E-05

7.53E+02 1.99E-07 2.97E-05 9.78E-06 8.28E-06 2.00E-05 2.07E-05 2.16E-05 2.24E-05

7.97E+02 1.99E-07 2.90E-05 9.76E-06 8.26E-06 2.00E-05 2.06E-05 2.13E-05 2.24E-05

8.44E+02 1.99E-07 2.79E-05 9.71E-06 8.24E-06 1.99E-05 2.07E-05 2.12E-05 2.22E-05

8.93E+02 1.98E-07 2.69E-05 9.67E-06 8.17E-06 1.99E-05 2.06E-05 2.14E-05 2.21E-05

9.45E+02 1.98E-07 2.59E-05 9.65E-06 8.15E-06 1.98E-05 2.06E-05 2.13E-05 2.21E-05

1.00E+03 1.98E-07 2.51E-05 9.62E-06 8.10E-06 1.97E-05 2.04E-05 2.10E-05 2.21E-05

Probabilistic results summary : RESRAD Default Parameters

File : C:\USERS\DNF\DOCUMENTS\FT CALHOUN\RESRAD INPUT FILES\BP INSITU UA\FCS BURIED PIPE INSITU UA CM-243.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	1.53E-06	6.01E-01	1.27E-02	6.50E-03	1.65E-02	3.20E-02	6.84E-02	1.74E-01
1.00E+00	1.58E-06	4.07E-01	1.10E-02	6.32E-03	1.49E-02	2.57E-02	5.56E-02	1.44E-01
1.06E+00	1.59E-06	4.20E-01	1.09E-02	6.31E-03	1.48E-02	2.55E-02	5.48E-02	1.34E-01
1.12E+00	1.59E-06	4.32E-01	1.09E-02	6.30E-03	1.48E-02	2.53E-02	5.39E-02	1.34E-01
1.19E+00	1.59E-06	4.46E-01	1.09E-02	6.29E-03	1.47E-02	2.51E-02	5.31E-02	1.34E-01
1.25E+00	1.60E-06	4.60E-01	1.09E-02	6.28E-03	1.47E-02	2.49E-02	5.22E-02	1.34E-01
1.33E+00	1.60E-06	4.75E-01	1.08E-02	6.27E-03	1.46E-02	2.46E-02	5.12E-02	1.34E-01
1.40E+00	1.61E-06	4.90E-01	1.08E-02	6.26E-03	1.46E-02	2.38E-02	5.03E-02	1.34E-01
1.49E+00	1.61E-06	5.06E-01	1.08E-02	6.25E-03	1.45E-02	2.29E-02	4.93E-02	1.34E-01
1.57E+00	1.61E-06	5.23E-01	1.08E-02	6.24E-03	1.46E-02	2.20E-02	4.82E-02	1.34E-01
1.66E+00	1.62E-06	5.41E-01	1.07E-02	6.22E-03	1.47E-02	2.15E-02	4.72E-02	1.34E-01
1.76E+00	1.62E-06	5.59E-01	1.07E-02	6.20E-03	1.46E-02	2.16E-02	4.50E-02	1.34E-01
1.86E+00	1.63E-06	5.78E-01	1.07E-02	6.18E-03	1.44E-02	2.16E-02	4.10E-02	1.35E-01
1.97E+00	1.64E-06	5.97E-01	1.07E-02	6.16E-03	1.43E-02	2.16E-02	3.76E-02	1.35E-01
2.09E+00	1.64E-06	6.17E-01	1.07E-02	6.14E-03	1.42E-02	2.10E-02	3.69E-02	1.35E-01
2.21E+00	1.65E-06	6.38E-01	1.07E-02	6.13E-03	1.41E-02	2.02E-02	3.61E-02	1.35E-01
2.34E+00	1.66E-06	6.60E-01	1.07E-02	6.11E-03	1.40E-02	1.99E-02	3.55E-02	1.35E-01
2.47E+00	1.66E-06	6.83E-01	1.07E-02	6.09E-03	1.39E-02	1.91E-02	3.55E-02	1.35E-01
2.62E+00	1.67E-06	7.06E-01	1.07E-02	6.06E-03	1.37E-02	1.86E-02	3.55E-02	1.34E-01
2.77E+00	1.68E-06	7.29E-01	1.07E-02	6.04E-03	1.34E-02	1.83E-02	3.55E-02	1.30E-01
2.93E+00	1.69E-06	7.51E-01	1.07E-02	6.02E-03	1.33E-02	1.80E-02	3.55E-02	1.26E-01
3.00E+00	1.69E-06	7.59E-01	1.07E-02	6.01E-03	1.32E-02	1.79E-02	3.55E-02	1.25E-01
3.10E+00	1.70E-06	7.67E-01	1.06E-02	5.99E-03	1.31E-02	1.81E-02	3.55E-02	1.22E-01
3.28E+00	1.71E-06	7.75E-01	1.06E-02	5.94E-03	1.29E-02	1.85E-02	3.55E-02	1.18E-01
3.48E+00	1.72E-06	7.74E-01	1.05E-02	5.91E-03	1.28E-02	1.86E-02	3.55E-02	1.14E-01
3.68E+00	1.73E-06	7.62E-01	1.04E-02	5.89E-03	1.25E-02	1.81E-02	3.55E-02	1.10E-01
3.89E+00	1.74E-06	7.40E-01	1.02E-02	5.85E-03	1.24E-02	1.76E-02	3.54E-02	1.06E-01
4.12E+00	1.75E-06	7.16E-01	1.01E-02	5.82E-03	1.24E-02	1.71E-02	3.54E-02	1.02E-01
4.36E+00	1.76E-06	6.91E-01	9.89E-03	5.79E-03	1.23E-02	1.66E-02	3.47E-02	9.74E-02
4.61E+00	1.78E-06	6.65E-01	9.72E-03	5.74E-03	1.22E-02	1.64E-02	3.40E-02	9.30E-02
4.88E+00	1.79E-06	6.39E-01	9.55E-03	5.70E-03	1.22E-02	1.63E-02	3.32E-02	8.86E-02
5.17E+00	1.81E-06	6.13E-01	9.39E-03	5.66E-03	1.19E-02	1.65E-02	3.24E-02	8.41E-02
5.47E+00	1.82E-06	5.86E-01	9.25E-03	5.62E-03	1.19E-02	1.63E-02	3.35E-02	7.96E-02
5.78E+00	1.84E-06	5.59E-01	9.13E-03	5.56E-03	1.18E-02	1.61E-02	3.38E-02	7.52E-02
6.12E+00	1.86E-06	5.32E-01	9.00E-03	5.50E-03	1.17E-02	1.59E-02	3.25E-02	7.09E-02
6.48E+00	1.88E-06	5.04E-01	8.84E-03	5.44E-03	1.16E-02	1.57E-02	3.13E-02	7.44E-02
6.86E+00	1.90E-06	4.77E-01	8.65E-03	5.40E-03	1.12E-02	1.55E-02	3.00E-02	7.11E-02
7.26E+00	1.92E-06	4.49E-01	8.46E-03	5.32E-03	1.13E-02	1.53E-02	2.87E-02	6.76E-02
7.68E+00	1.94E-06	4.22E-01	8.30E-03	5.21E-03	1.10E-02	1.63E-02	2.76E-02	6.42E-02
8.13E+00	1.96E-06	3.95E-01	8.20E-03	5.15E-03	1.10E-02	1.61E-02	2.94E-02	6.08E-02
8.60E+00	1.99E-06	3.68E-01	8.10E-03	5.07E-03	1.10E-02	1.58E-02	2.87E-02	8.94E-02
9.10E+00	2.01E-06	3.42E-01	7.91E-03	5.00E-03	1.07E-02	1.56E-02	2.79E-02	9.56E-02
9.63E+00	2.04E-06	3.16E-01	7.71E-03	4.93E-03	1.05E-02	1.58E-02	2.70E-02	9.31E-02
1.00E+01	2.06E-06	2.99E-01	7.58E-03	4.88E-03	1.04E-02	1.68E-02	2.69E-02	9.15E-02
1.02E+01	2.07E-06	2.91E-01	7.52E-03	4.86E-03	1.03E-02	1.67E-02	2.70E-02	9.06E-02
1.08E+01	2.10E-06	2.66E-01	7.38E-03	4.79E-03	1.02E-02	1.66E-02	3.09E-02	8.80E-02
1.14E+01	2.13E-06	2.42E-01	7.25E-03	4.69E-03	1.00E-02	1.66E-02	2.96E-02	8.55E-02
1.21E+01	2.17E-06	2.20E-01	7.04E-03	4.62E-03	9.85E-03	1.61E-02	2.83E-02	8.27E-02
1.28E+01	2.20E-06	1.98E-01	6.82E-03	4.52E-03	9.68E-03	1.51E-02	2.84E-02	7.98E-02
1.35E+01	2.24E-06	1.77E-01	6.60E-03	4.40E-03	9.50E-03	1.36E-02	2.69E-02	7.67E-02
1.43E+01	2.28E-06	1.58E-01	6.38E-03	4.31E-03	9.32E-03	1.28E-02	2.54E-02	7.36E-02
1.51E+01	2.32E-06	1.39E-01	6.17E-03	4.19E-03	9.23E-03	1.24E-02	2.39E-02	7.03E-02
1.60E+01	2.36E-06	1.35E-01	5.98E-03	4.03E-03	9.06E-03	1.22E-02	2.23E-02	6.70E-02
1.70E+01	2.41E-06	1.34E-01	5.83E-03	3.94E-03	8.63E-03	1.20E-02	3.00E-02	6.36E-02
1.80E+01	2.46E-06	1.33E-01	5.65E-03	3.84E-03	8.43E-03	1.15E-02	3.05E-02	6.01E-02
1.90E+01	2.51E-06	1.32E-01	5.45E-03	3.72E-03	8.21E-03	1.18E-02	2.80E-02	5.65E-02

2.01E+01 2.57E-06 1.31E-01 5.27E-03 3.61E-03 7.99E-03 1.09E-02 2.56E-02 5.28E-02

2.13E+01 2.62E-06 1.29E-01 5.19E-03 3.51E-03 7.72E-03 1.05E-02 2.76E-02 5.60E-02

2.25E+01 2.68E-06 1.27E-01 4.99E-03 3.39E-03 7.40E-03 1.02E-02 2.58E-02 4.66E-02

2.38E+01 2.74E-06 1.25E-01 4.76E-03 3.27E-03 7.12E-03 9.85E-03 2.39E-02 4.18E-02

2.52E+01 2.81E-06 1.23E-01 4.53E-03 3.08E-03 6.99E-03 9.28E-03 2.17E-02 4.14E-02

2.67E+01 2.88E-06 1.21E-01 4.32E-03 2.94E-03 6.65E-03 9.14E-03 2.09E-02 4.01E-02

2.82E+01 2.95E-06 1.18E-01 4.20E-03 2.83E-03 6.40E-03 8.78E-03 2.08E-02 4.20E-02

2.99E+01 3.03E-06 1.15E-01 3.95E-03 2.72E-03 6.15E-03 8.41E-03 1.74E-02 4.21E-02

3.00E+01 3.03E-06 1.15E-01 3.94E-03 2.71E-03 6.13E-03 8.38E-03 1.73E-02 4.20E-02

3.16E+01 3.11E-06 1.12E-01 3.67E-03 2.60E-03 5.87E-03 7.20E-03 1.49E-02 3.67E-02

3.35E+01 1.49E-07 1.09E-01 3.43E-03 2.48E-03 5.20E-03 6.50E-03 1.11E-02 3.54E-02

3.54E+01 1.48E-07 1.06E-01 3.27E-03 2.36E-03 5.05E-03 6.19E-03 1.12E-02 3.41E-02

3.75E+01 1.47E-07 1.02E-01 3.16E-03 2.24E-03 4.68E-03 5.80E-03 1.11E-02 3.50E-02

3.97E+01 1.46E-07 9.83E-02 2.88E-03 2.08E-03 4.33E-03 5.47E-03 1.00E-02 3.13E-02

4.20E+01 1.45E-07 9.44E-02 2.75E-03 1.95E-03 4.09E-03 4.95E-03 9.65E-03 2.99E-02

4.44E+01 1.44E-07 9.02E-02 2.60E-03 1.83E-03 3.86E-03 4.64E-03 9.28E-03 2.83E-02

4.70E+01 1.44E-07 8.59E-02 2.44E-03 1.71E-03 3.68E-03 4.62E-03 8.88E-03 2.68E-02

4.97E+01 1.43E-07 8.15E-02 2.29E-03 1.60E-03 3.39E-03 4.32E-03 8.48E-03 2.52E-02

5.26E+01 1.42E-07 7.70E-02 2.14E-03 1.48E-03 3.16E-03 4.02E-03 8.06E-03 2.36E-02

5.57E+01 1.41E-07 7.23E-02 2.01E-03 1.36E-03 3.00E-03 3.82E-03 7.63E-03 2.20E-02

5.90E+01 1.40E-07 6.77E-02 1.91E-03 1.25E-03 2.97E-03 3.76E-03 7.57E-03 2.04E-02

6.24E+01 1.39E-07 6.30E-02 1.80E-03 1.15E-03 2.74E-03 3.66E-03 8.01E-03 1.89E-02

6.60E+01 1.38E-07 5.83E-02 1.65E-03 1.05E-03 2.56E-03 3.35E-03 7.99E-03 1.73E-02

6.99E+01 1.37E-07 5.36E-02 1.54E-03 9.61E-04 2.33E-03 3.05E-03 6.76E-03 2.25E-02

7.39E+01 1.37E-07 4.91E-02 1.38E-03 8.73E-04 2.11E-03 2.77E-03 5.89E-03 2.04E-02

7.82E+01 1.36E-07 4.46E-02 1.24E-03 7.86E-04 1.85E-03 2.48E-03 5.23E-03 1.83E-02

8.28E+01 1.35E-07 4.02E-02 1.11E-03 7.01E-04 1.65E-03 2.24E-03 4.57E-03 1.64E-02

8.76E+01 1.35E-07 3.59E-02 9.92E-04 6.21E-04 1.54E-03 1.99E-03 3.98E-03 1.46E-02

9.27E+01 1.34E-07 2.75E-02 8.70E-04 5.50E-04 1.39E-03 1.85E-03 3.45E-03 1.25E-02

9.81E+01 1.33E-07 2.07E-02 7.59E-04 4.80E-04 1.24E-03 1.77E-03 3.46E-03 1.05E-02

1.00E+02 1.33E-07 1.88E-02 7.25E-04 4.59E-04 1.18E-03 1.71E-03 3.77E-03 9.89E-03

1.04E+02 1.33E-07 1.54E-02 6.58E-04 4.18E-04 1.08E-03 1.60E-03 3.52E-03 8.73E-03

1.10E+02 1.32E-07 1.12E-02 5.59E-04 3.61E-04 9.88E-04 1.48E-03 2.26E-03 7.19E-03

1.16E+02 1.32E-07 8.02E-03 4.72E-04 3.09E-04 8.29E-04 1.24E-03 2.22E-03 5.85E-03

1.23E+02 1.31E-07 6.19E-03 4.13E-04 2.63E-04 7.28E-04 1.11E-03 2.29E-03 4.70E-03

1.30E+02 1.31E-07 5.20E-03 3.42E-04 2.22E-04 6.10E-04 9.32E-04 1.72E-03 3.88E-03

1.38E+02 1.31E-07 4.33E-03 2.82E-04 1.86E-04 5.04E-04 7.54E-04 1.61E-03 3.07E-03

1.46E+02 1.30E-07 3.57E-03 2.38E-04 1.55E-04 4.11E-04 6.16E-04 1.27E-03 2.92E-03

1.54E+02 1.30E-07 2.90E-03 1.85E-04 1.28E-04 3.35E-04 4.95E-04 8.25E-04 2.06E-03

1.63E+02 1.30E-07 2.33E-03 1.51E-04 1.06E-04 2.75E-04 3.96E-04 6.72E-04 1.66E-03

1.73E+02 1.30E-07 1.86E-03 1.23E-04 8.67E-05 2.31E-04 3.17E-04 4.85E-04 1.32E-03

1.83E+02 1.30E-07 1.46E-03 9.97E-05 7.06E-05 2.08E-04 2.61E-04 3.78E-04 1.04E-03

1.94E+02 1.29E-07 1.13E-03 8.02E-05 5.66E-05 1.67E-04 2.07E-04 2.80E-04 8.03E-04

2.05E+02 1.29E-07 8.62E-04 6.60E-05 4.62E-05 1.36E-04 1.94E-04 2.47E-04 6.16E-04

2.17E+02 1.29E-07 6.49E-04 5.48E-05 3.78E-05 1.08E-04 1.56E-04 2.43E-04 4.66E-04

2.29E+02 1.29E-07 4.82E-04 4.74E-05 3.10E-05 9.09E-05 1.38E-04 2.90E-04 3.91E-04

2.43E+02 1.29E-07 3.53E-04 3.98E-05 2.64E-05 7.41E-05 1.26E-04 2.17E-04 3.17E-04

2.57E+02 1.29E-07 2.56E-04 3.14E-05 2.10E-05 5.94E-05 9.71E-05 1.83E-04 2.35E-04

2.72E+02 1.29E-07 1.83E-04 2.41E-05 1.81E-05 4.57E-05 7.03E-05 9.62E-05 1.48E-04

2.88E+02 1.29E-07 1.37E-04 1.95E-05 1.51E-05 3.48E-05 5.60E-05 7.59E-05 1.06E-04

3.00E+02 1.29E-07 1.25E-04 1.81E-05 1.39E-05 3.18E-05 5.01E-05 8.14E-05 1.01E-04

3.05E+02 1.29E-07 1.12E-04 1.76E-05 1.34E-05 3.11E-05 4.63E-05 7.33E-05 8.91E-05

3.22E+02 1.29E-07 8.22E-05 1.54E-05 1.20E-05 2.86E-05 4.31E-05 5.42E-05 6.35E-05

3.41E+02 1.28E-07 6.34E-05 1.37E-05 1.08E-05 2.42E-05 3.21E-05 3.94E-05 4.78E-05

3.61E+02 1.28E-07 5.09E-05 1.25E-05 1.06E-05 2.26E-05 2.62E-05 3.25E-05 4.21E-05

3.82E+02 1.28E-07 4.46E-05 1.20E-05 1.04E-05 2.18E-05 2.54E-05 2.92E-05 4.09E-05

4.04E+02 1.28E-07 4.51E-05 1.16E-05 9.90E-06 2.13E-05 2.32E-05 2.86E-05 3.93E-05

4.28E+02 1.28E-07 6.17E-05 1.14E-05 9.60E-06 2.09E-05 2.28E-05 2.96E-05 4.33E-05

4.53E+02 1.28E-07 5.97E-05 1.12E-05 9.43E-06 2.07E-05 2.20E-05 2.92E-05 4.18E-05

4.79E+02 1.28E-07 5.80E-05 1.10E-05 9.24E-06 2.06E-05 2.19E-05 2.75E-05 3.21E-05

5.07E+02 1.28E-07 5.64E-05 1.09E-05 9.16E-06 2.05E-05 2.19E-05 2.86E-05 3.48E-05

5.36E+02 1.28E-07 5.50E-05 1.08E-05 9.10E-06 2.05E-05 2.19E-05 2.82E-05 3.39E-05

5.68E+02	1.28E-07	5.41E-05	1.08E-05	9.08E-06	2.04E-05	2.19E-05	2.74E-05	3.36E-05
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6.01E+02 1.27E-07 3.73E-05 1.04E-05 8.93E-06 2.03E-05 2.14E-05 2.43E-05 2.87E-05

6.36E+02 1.27E-07 3.61E-05 1.04E-05 8.81E-06 2.03E-05 2.14E-05 2.40E-05 2.84E-05

6.73E+02 1.27E-07 3.50E-05 1.03E-05 8.75E-06 2.03E-05 2.14E-05 2.43E-05 2.84E-05

7.12E+02 1.27E-07 3.42E-05 1.03E-05 8.67E-06 2.03E-05 2.13E-05 2.38E-05 2.83E-05

7.53E+02 1.27E-07 2.83E-05 1.01E-05 8.57E-06 2.01E-05 2.10E-05 2.27E-05 2.45E-05

7.97E+02 1.27E-07 2.82E-05 1.01E-05 8.56E-06 2.00E-05 2.09E-05 2.23E-05 2.39E-05

8.44E+02 1.27E-07 2.82E-05 1.00E-05 8.48E-06 2.00E-05 2.11E-05 2.21E-05 2.32E-05

8.93E+02 1.26E-07 2.82E-05 9.96E-06 8.37E-06 1.99E-05 2.10E-05 2.20E-05 2.45E-05

9.45E+02 1.26E-07 2.81E-05 9.91E-06 8.34E-06 1.99E-05 2.10E-05 2.18E-05 2.37E-05

1.00E+03 1.26E-07 2.81E-05 9.81E-06 8.30E-06 1.98E-05 2.08E-05 2.14E-05 2.23E-05

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	4.63E-08	4.83E-01	1.21E-02	6.83E-03	1.44E-02	3.50E-02	6.52E-02	1.19E-01
1.00E+00	9.58E-08	2.61E-01	9.97E-03	6.57E-03	1.39E-02	2.72E-02	5.81E-02	9.72E-02
1.06E+00	9.87E-08	2.52E-01	9.89E-03	6.56E-03	1.39E-02	2.71E-02	5.78E-02	9.61E-02
1.12E+00	1.02E-07	2.43E-01	9.81E-03	6.55E-03	1.38E-02	2.69E-02	5.74E-02	9.50E-02
1.19E+00	1.05E-07	2.34E-01	9.72E-03	6.54E-03	1.38E-02	2.68E-02	5.70E-02	9.37E-02
1.25E+00	1.08E-07	2.24E-01	9.64E-03	6.52E-03	1.37E-02	2.66E-02	5.65E-02	9.25E-02
1.33E+00	1.12E-07	2.15E-01	9.55E-03	6.51E-03	1.37E-02	2.64E-02	5.60E-02	9.11E-02
1.40E+00	1.16E-07	2.06E-01	9.46E-03	6.49E-03	1.37E-02	2.63E-02	5.55E-02	8.97E-02
1.49E+00	1.20E-07	1.96E-01	9.37E-03	6.48E-03	1.36E-02	2.61E-02	5.47E-02	8.46E-02
1.57E+00	1.24E-07	1.87E-01	9.28E-03	6.43E-03	1.36E-02	2.60E-02	5.36E-02	7.90E-02
1.66E+00	1.28E-07	1.77E-01	9.18E-03	6.41E-03	1.35E-02	2.58E-02	5.24E-02	7.35E-02
1.76E+00	1.33E-07	1.68E-01	9.09E-03	6.39E-03	1.35E-02	2.57E-02	5.13E-02	6.80E-02
1.86E+00	1.38E-07	1.59E-01	8.99E-03	6.38E-03	1.34E-02	2.55E-02	5.01E-02	6.70E-02
1.97E+00	1.43E-07	1.50E-01	8.89E-03	6.36E-03	1.34E-02	2.53E-02	4.91E-02	6.64E-02
2.09E+00	1.48E-07	1.41E-01	8.80E-03	6.34E-03	1.33E-02	2.52E-02	4.85E-02	6.59E-02
2.21E+00	1.54E-07	1.32E-01	8.70E-03	6.32E-03	1.33E-02	2.50E-02	4.75E-02	6.53E-02
2.34E+00	1.60E-07	1.24E-01	8.60E-03	6.29E-03	1.28E-02	2.48E-02	4.48E-02	6.47E-02
2.47E+00	1.67E-07	1.16E-01	8.50E-03	6.26E-03	1.27E-02	2.46E-02	4.33E-02	6.41E-02
2.62E+00	1.74E-07	1.08E-01	8.40E-03	6.24E-03	1.27E-02	2.44E-02	4.19E-02	6.35E-02
2.77E+00	1.81E-07	1.00E-01	8.29E-03	6.21E-03	1.26E-02	2.42E-02	4.04E-02	6.28E-02
2.93E+00	1.88E-07	9.33E-02	8.19E-03	6.18E-03	1.25E-02	2.39E-02	3.94E-02	6.21E-02
3.00E+00	1.92E-07	9.05E-02	8.15E-03	6.17E-03	1.25E-02	2.38E-02	3.91E-02	6.18E-02
3.310E+00	1.96E-07	8.65E-02	8.09E-03	6.15E-03	1.24E-02	2.36E-02	3.86E-02	6.14E-02
3.328E+00	2.05E-07	8.02E-02	7.99E-03	6.12E-03	1.24E-02	2.30E-02	3.77E-02	6.06E-02
3.48E+00	2.14E-07	7.42E-02	7.89E-03	6.09E-03	1.22E-02	2.28E-02	3.69E-02	5.96E-02
3.68E+00	2.23E-07	6.87E-02	7.79E-03	6.06E-03	1.21E-02	2.26E-02	3.60E-02	5.82E-02
3.89E+00	2.33E-07	6.37E-02	7.69E-03	6.01E-03	1.20E-02	2.25E-02	3.52E-02	5.80E-02
4.12E+00	2.43E-07	5.90E-02	7.59E-03	5.98E-03	1.19E-02	2.20E-02	3.44E-02	5.71E-02
4.36E+00	2.54E-07	5.79E-02	7.50E-03	5.98E-03	1.18E-02	2.11E-02	3.35E-02	5.48E-02
4.61E+00	2.66E-07	5.78E-02	7.43E-03	5.98E-03	1.17E-02	2.04E-02	3.29E-02	5.10E-02
4.88E+00	2.78E-07	5.77E-02	7.37E-03	5.94E-03	1.19E-02	2.01E-02	3.24E-02	4.76E-02
5.17E+00	2.91E-07	5.75E-02	7.35E-03	5.88E-03	1.19E-02	2.01E-02	3.46E-02	4.51E-02
5.47E+00	3.04E-07	6.28E-02	7.35E-03	5.84E-03	1.18E-02	2.05E-02	3.59E-02	5.19E-02
5.578E+00	3.18E-07	8.63E-02	7.32E-03	5.78E-03	1.17E-02	2.01E-02	3.45E-02	5.07E-02
6.12E+00	3.33E-07	9.66E-02	7.25E-03	5.70E-03	1.16E-02	1.97E-02	3.31E-02	4.95E-02
6.48E+00	3.48E-07	9.26E-02	7.14E-03	5.63E-03	1.16E-02	1.93E-02	3.17E-02	4.83E-02
6.86E+00	3.65E-07	8.84E-02	7.03E-03	5.56E-03	1.14E-02	1.89E-02	3.03E-02	4.71E-02
7.26E+00	3.82E-07	8.40E-02	6.95E-03	5.49E-03	1.13E-02	1.97E-02	2.89E-02	4.57E-02
7.68E+00	4.00E-07	7.94E-02	6.91E-03	5.43E-03	1.10E-02	1.93E-02	3.04E-02	5.37E-02
8.13E+00	4.18E-07	7.45E-02	6.80E-03	5.38E-03	1.09E-02	1.81E-02	2.97E-02	4.58E-02
8.60E+00	4.38E-07	6.94E-02	6.64E-03	5.30E-03	1.06E-02	1.78E-02	2.97E-02	4.16E-02
9.10E+00	4.59E-07	6.38E-02	6.53E-03	5.20E-03	1.05E-02	1.74E-02	3.16E-02	4.03E-02
9.63E+00	4.80E-07	6.44E-02	6.49E-03	5.12E-03	1.02E-02	1.71E-02	3.09E-02	5.44E-02
1.00E+01	4.95E-07	5.42E-02	6.36E-03	5.08E-03	1.01E-02	1.67E-02	3.05E-02	5.15E-02
1.02E+01	5.03E-07	5.40E-02	6.29E-03	5.05E-03	1.00E-02	1.62E-02	3.03E-02	4.67E-02
1.08E+01	5.26E-07	5.68E-02	6.04E-03	4.89E-03	9.82E-03	1.53E-02	2.64E-02	4.33E-02
1.14E+01	5.51E-07	8.60E-02	5.99E-03	4.80E-03	9.65E-03	1.50E-02	2.58E-02	3.60E-02
1.21E+01	5.48E-07	5.24E-02	5.73E-03	4.73E-03	9.46E-03	1.46E-02	2.51E-02	3.26E-02
1.28E+01	5.42E-07	5.18E-02	5.45E-03	4.65E-03	9.20E-03	1.34E-02	1.84E-02	2.90E-02
1.35E+01	7.63E-08	5.11E-02	5.30E-03	4.52E-03	9.04E-03	1.26E-02	1.70E-02	2.82E-02
1.43E+01	7.55E-08	5.04E-02	5.15E-03	4.38E-03	8.81E-03	1.30E-02	1.67E-02	2.74E-02
1.51E+01	7.46E-08	4.96E-02	5.02E-03	4.27E-03	8.64E-03	1.23E-02	1.68E-02	2.63E-02
1.60E+01	7.38E-08	4.88E-02	4.92E-03	4.19E-03	8.52E-03	1.16E-02	1.91E-02	2.47E-02
1.70E+01	7.29E-08	4.79E-02	4.87E-03	4.05E-03	8.27E-03	1.09E-02	1.86E-02	2.50E-02
1.80E+01	7.19E-08	8.31E-02	4.86E-03	3.95E-03	8.07E-03	1.02E-02	1.80E-02	2.42E-02
1.90E+01	7.10E-08	8.14E-02	4.75E-03	3.86E-03	7.88E-03	1.10E-02	1.79E-02	2.35E-02

2.01E+01 7.00E-08 7.93E-02 4.70E-03 3.75E-03 7.74E-03 1.01E-02 1.72E-02 4.47E-02

2.13E+01 6.89E-08 7.70E-02 4.65E-03 3.68E-03 7.54E-03 1.01E-02 1.64E-02 4.36E-02

2.25E+01 6.79E-08 7.47E-02 4.50E-03 3.57E-03 7.35E-03 9.46E-03 1.53E-02 4.24E-02

2.38E+01 6.68E-08 7.24E-02 4.37E-03 3.44E-03 7.07E-03 8.84E-03 1.49E-02 4.12E-02

2.52E+01 6.57E-08 7.00E-02 4.30E-03 3.29E-03 6.84E-03 8.63E-03 1.40E-02 4.87E-02

2.67E+01 6.46E-08 6.75E-02 4.18E-03 3.14E-03 6.60E-03 8.37E-03 1.33E-02 5.92E-02

2.82E+01 6.34E-08 6.50E-02 3.99E-03 3.01E-03 6.35E-03 7.90E-03 1.30E-02 5.31E-02

2.99E+01 6.23E-08 6.24E-02 3.80E-03 2.85E-03 6.10E-03 7.44E-03 1.26E-02 4.69E-02

3.00E+01 6.22E-08 6.23E-02 3.79E-03 2.84E-03 6.09E-03 7.42E-03 1.26E-02 4.65E-02

3.16E+01 6.11E-08 5.98E-02 3.61E-03 2.72E-03 5.82E-03 7.21E-03 1.24E-02 4.08E-02

3.35E+01 5.99E-08 5.72E-02 3.43E-03 2.61E-03 5.58E-03 6.98E-03 1.29E-02 3.45E-02

3.54E+01 5.87E-08 5.46E-02 3.26E-03 2.49E-03 5.34E-03 6.51E-03 1.32E-02 3.17E-02

3.75E+01 5.74E-08 5.19E-02 3.15E-03 2.35E-03 5.10E-03 6.14E-03 1.26E-02 3.87E-02

3.97E+01 5.62E-08 4.92E-02 3.00E-03 2.22E-03 4.84E-03 5.92E-03 1.32E-02 4.25E-02

4.20E+01 5.50E-08 4.65E-02 2.83E-03 2.07E-03 4.55E-03 5.76E-03 1.15E-02 3.01E-02

4.44E+01 5.37E-08 4.38E-02 2.60E-03 1.93E-03 4.25E-03 5.41E-03 1.13E-02 2.81E-02

4.70E+01 5.25E-08 4.11E-02 2.38E-03 1.78E-03 3.98E-03 4.85E-03 9.29E-03 2.40E-02

4.97E+01 5.13E-08 3.85E-02 2.23E-03 1.67E-03 3.73E-03 4.45E-03 8.94E-03 2.25E-02

5.26E+01 5.01E-08 4.58E-02 2.14E-03 1.55E-03 3.48E-03 3.97E-03 7.52E-03 3.28E-02

5.57E+01 4.89E-08 3.54E-02 1.95E-03 1.45E-03 3.21E-03 3.58E-03 6.68E-03 3.03E-02

5.90E+01 4.77E-08 3.07E-02 1.78E-03 1.34E-03 3.00E-03 3.41E-03 6.23E-03 2.46E-02

6.24E+01 4.66E-08 2.82E-02 1.61E-03 1.22E-03 2.76E-03 3.34E-03 5.80E-03 1.66E-02

6.60E+01 4.55E-08 2.59E-02 1.44E-03 1.11E-03 2.54E-03 3.05E-03 4.42E-03 1.51E-02

6.99E+01 4.44E-08 2.35E-02 1.34E-03 1.01E-03 2.33E-03 3.08E-03 4.95E-03 1.38E-02

7.39E+01 4.34E-08 2.13E-02 1.22E-03 9.06E-04 2.15E-03 2.91E-03 5.12E-03 1.25E-02

7.82E+01 4.24E-08 1.92E-02 1.13E-03 8.08E-04 1.94E-03 2.62E-03 5.35E-03 1.13E-02

8.28E+01 4.15E-08 1.72E-02 1.04E-03 7.20E-04 1.75E-03 2.35E-03 4.80E-03 1.40E-02

8.76E+01 4.06E-08 1.53E-02 8.75E-04 6.37E-04 1.55E-03 2.01E-03 4.14E-03 8.98E-03

9.27E+01 3.98E-08 1.35E-02 7.52E-04 5.51E-04 1.36E-03 1.78E-03 3.16E-03 7.91E-03

9.81E+01 3.90E-08 1.18E-02 6.70E-04 4.81E-04 1.20E-03 1.62E-03 2.82E-03 6.96E-03

1.00E+02 3.88E-08 1.13E-02 6.43E-04 4.58E-04 1.14E-03 1.54E-03 2.71E-03 6.66E-03

1.04E+02 3.83E-08 1.03E-02 5.96E-04 4.16E-04 1.04E-03 1.41E-03 2.50E-03 8.47E-03

1.10E+02 3.76E-08 8.87E-03 5.23E-04 3.56E-04 9.06E-04 1.22E-03 2.20E-03 7.75E-03

1.16E+02 3.70E-08 7.59E-03 4.47E-04 3.05E-04 7.78E-04 1.04E-03 1.91E-03 5.83E-03

1.23E+02 3.65E-08 6.43E-03 3.76E-04 2.59E-04 6.74E-04 1.04E-03 1.65E-03 3.80E-03

1.30E+02 3.60E-08 5.40E-03 3.16E-04 2.21E-04 5.71E-04 8.56E-04 1.41E-03 3.19E-03

1.38E+02 3.56E-08 4.49E-03 2.68E-04 1.85E-04 4.72E-04 6.49E-04 1.15E-03 3.55E-03

1.46E+02 3.52E-08 3.69E-03 2.18E-04 1.55E-04 3.99E-04 5.53E-04 9.22E-04 2.18E-03

1.54E+02 3.49E-08 3.00E-03 1.76E-04 1.26E-04 3.26E-04 4.39E-04 6.67E-04 1.78E-03

1.63E+02 3.46E-08 2.41E-03 1.44E-04 1.05E-04 2.64E-04 3.77E-04 5.45E-04 1.43E-03

1.73E+02 3.44E-08 1.92E-03 1.21E-04 8.58E-05 2.20E-04 3.28E-04 4.94E-04 1.14E-03

1.83E+02 3.42E-08 1.50E-03 9.89E-05 6.99E-05 1.79E-04 2.62E-04 3.91E-04 1.23E-03

1.94E+02 3.40E-08 1.16E-03 7.85E-05 5.77E-05 1.44E-04 2.07E-04 2.73E-04 9.45E-04

2.05E+02 3.39E-08 8.83E-04 6.37E-05 4.66E-05 1.18E-04 1.71E-04 2.18E-04 7.14E-04

2.17E+02 3.38E-08 6.62E-04 5.40E-05 3.69E-05 1.04E-04 1.37E-04 2.21E-04 5.30E-04

2.29E+02 3.37E-08 4.89E-04 4.64E-05 3.03E-05 8.75E-05 1.36E-04 2.46E-04 3.93E-04

2.43E+02 3.36E-08 3.56E-04 3.69E-05 2.46E-05 6.69E-05 1.17E-04 1.92E-04 2.98E-04

2.57E+02 3.35E-08 2.82E-04 3.07E-05 2.08E-05 5.29E-05 1.02E-04 1.68E-04 2.47E-04

2.72E+02 3.35E-08 2.06E-04 2.53E-05 1.78E-05 4.15E-05 8.40E-05 1.34E-04 1.79E-04

2.88E+02 3.34E-08 1.55E-04 2.06E-05 1.53E-05 3.54E-05 5.58E-05 9.77E-05 1.25E-04

3.00E+02	3.34E-08	1.13E-04	1.78E-05	1.35E-05	3.19E-05	4.75E-05	7.64E-05	9.46E-05
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3.05E+02 3.34E-08 1.04E-04 1.72E-05 1.32E-05 3.10E-05 4.71E-05 6.82E-05 8.56E-05

3.22E+02 3.34E-08 7.72E-05 1.52E-05 1.20E-05 2.62E-05 3.87E-05 5.74E-05 6.86E-05

3.41E+02 3.33E-08 5.55E-05 1.34E-05 1.10E-05 2.44E-05 3.05E-05 3.73E-05 4.29E-05

3.61E+02 3.33E-08 4.23E-05 1.23E-05 1.01E-05 2.24E-05 2.73E-05 3.26E-05 3.45E-05

3.82E+02 3.33E-08 3.44E-05 1.16E-05 9.82E-06 2.10E-05 2.39E-05 2.79E-05 3.14E-05

4.04E+02 3.33E-08 3.33E-05 1.11E-05 9.50E-06 2.07E-05 2.28E-05 2.55E-05 2.88E-05

4.28E+02 3.32E-08 3.24E-05 1.08E-05 9.13E-06 2.05E-05 2.25E-05 2.41E-05 2.85E-05

4.53E+02 3.32E-08 5.28E-05 1.08E-05 9.12E-06 2.06E-05 2.24E-05 2.41E-05 2.96E-05

4.79E+02 3.32E-08 3.21E-05 1.05E-05 8.82E-06 2.05E-05 2.20E-05 2.36E-05 2.96E-05

5.07E+02 3.32E-08 3.18E-05 1.03E-05 8.64E-06 2.03E-05 2.19E-05 2.35E-05 3.00E-05

5.36E+02 3.31E-08 3.17E-05 1.02E-05 8.56E-06 2.03E-05 2.16E-05 2.33E-05 2.78E-05

5.68E+02 3.31E-08 2.99E-05 1.02E-05 8.57E-06 2.02E-05 2.14E-05 2.28E-05 2.76E-05

6.01E+02 3.31E-08 2.90E-05 1.01E-05 8.60E-06 2.01E-05 2.10E-05 2.27E-05 2.46E-05

6.36E+02 3.30E-08 4.76E-05 1.01E-05 8.53E-06 2.01E-05 2.10E-05 2.27E-05 2.74E-05

6.73E+02 3.30E-08 4.66E-05 1.01E-05 8.50E-06 2.01E-05 2.09E-05 2.26E-05 2.72E-05

7.12E+02 3.30E-08 4.56E-05 1.00E-05 8.45E-06 2.01E-05 2.10E-05 2.26E-05 2.71E-05

7.53E+02 3.29E-08 4.46E-05 9.99E-06 8.44E-06 2.00E-05 2.09E-05 2.25E-05 2.70E-05

7.97E+02 3.29E-08 4.35E-05 9.92E-06 8.33E-06 2.00E-05 2.09E-05 2.25E-05 2.69E-05

8.44E+02 3.29E-08 4.24E-05 9.89E-06 8.31E-06 2.00E-05 2.09E-05 2.24E-05 2.67E-05

8.93E+02 3.28E-08 4.82E-05 9.92E-06 8.30E-06 2.00E-05 2.08E-05 2.25E-05 2.82E-05

9.45E+02 3.28E-08 4.72E-05 9.84E-06 8.28E-06 1.99E-05 2.07E-05 2.18E-05 2.65E-05

1.00E+03 3.27E-08 3.02E-05 9.68E-06 8.20E-06 1.99E-05 2.06E-05 2.14E-05 2.35E-05

Probabilistic results summary : RESRAD Default Parameters

File : C:\USERS\DNF\DOCUMENTS\FT CALHOUN\RESRAD INPUT FILES\BP INSITU UA\FCS BURIED PIPE INSITU UA CM-243.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	1.348E-02	
2	0.000E+00	1.266E-02	
3	0.000E+00	1.211E-02	

Title : RESRAD Default Parameters
Input File : FCS BURIED PIPE INSITU UA CM-243.RAD

Coefficients for peak All Pathways Dose

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

Description of Probabilistic Variable	Sig Coeff	Sig Coeff	Sig Coeff	Sig Coeff
Contaminated zone erosion rate	4 0.07	4 0.07	15 0.02	15 0.01
Contaminated zone b parameter	6 -0.06	5 -0.06	18 -0.01	18 -0.01
Evapotranspiration coefficient	8 0.05	8 0.05	13 0.02	13 0.02
Wind Speed	12 -0.03	12 -0.03	17 0.01	17 0.01
Runoff coefficient	18 0.00	18 0.00	16 -0.02	16 -0.01
b Parameter of Unsaturated zone 1	9 -0.05	9 -0.05	9 0.06	9 0.05
Mass loading for inhalation	10 0.04	10 0.04	4 0.11	5 0.09
Indoor dust filtration factor	16 -0.02	16 -0.02	14 -0.02	14 -0.02
Depth of soil mixing layer	3 0.08	3 0.08	12 -0.03	12 -0.02
Depth of roots	11 -0.03	11 -0.03	5 0.11	4 0.09
Wet weight crop yield of fruit, grain and non-leafy vegetables	17 -0.01	17 -0.01	8 -0.08	8 -0.06
Weathering removal constant of all vegetation	5 -0.06	6 -0.06	10 -0.06	10 -0.05
Wet foliar interception fraction of leafy vegetables	13 0.03	13 0.03	3 -0.12	3 -0.10
Humidity in air	14 0.02	15 0.02	6 -0.10	6 -0.08
Cover erosion rate	1 0.23	1 0.23	7 0.09	7 0.07
Kd of Cm-243 in Contaminated Zone	7 -0.06	7 -0.05	1 -0.53	1 -0.51
Kd of Cm-243 in Saturated Zone	15 -0.02	14 -0.02	11 0.04	11 0.03
Well pump intake depth	2 -0.13	2 -0.12	2 -0.23	2 -0.19
R-SQUARE	0.10	0.10	0.34	0.34

-Rank is set to zero if the dose is zero or the correlation matrix is singular.

-R-SQUARE varies between 0 and 1 and is called the coefficient of determination; it provides a measure of the variation in the dependent variable (Dose) explained by regression on the independent variables.

Title : RESRAD Default Parameters

Input File : FCS BURIED PIPE INSITU UA CM-243.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	13	-0.02	13	-0.02	6	-0.07	6	-0.06
Contaminated zone b parameter	5	0.05	5	0.05	8	-0.06	8	-0.05
Evapotranspiration coefficient	10	0.03	10	0.03	10	-0.05	10	-0.05
Wind Speed	2	0.10	2	0.10	7	0.07	7	0.06
Runoff coefficient	11	0.03	11	0.02	14	0.03	14	0.03
b Parameter of Unsaturated zone 1	18	0.00	18	0.00	15	0.03	15	0.02
Mass loading for inhalation	17	0.01	17	0.00	9	-0.06	9	-0.05
Indoor dust filtration factor	7	0.04	7	0.04	16	-0.02	16	-0.02
Depth of soil mixing layer	8	0.04	8	0.04	5	0.08	5	0.07
Depth of roots	9	-0.04	9	-0.04	4	0.08	4	0.07
Wet weight crop yield of fruit, grain and non-leafy vegetables	14	-0.01	14	-0.01	12	-0.05	12	-0.04
Weathering removal constant of all vegetation	4	0.06	4	0.06	13	0.04	13	0.04
Wet foliar interception fraction of leafy vegetables	12	-0.02	12	-0.02	18	0.00	18	0.00
Humidity in air	6	0.04	6	0.04	17	0.00	17	0.00
Cover erosion rate	1	0.35	1	0.35	2	0.16	2	0.14
Kd of Cm-243 in Contaminated Zone	15	-0.01	15	-0.01	1	-0.48	1	-0.47
Kd of Cm-243 in Saturated Zone	16	-0.01	16	-0.01	11	-0.05	11	-0.04
Well pump intake depth	3	-0.09	3	-0.08	3	-0.16	3	-0.14

R-SQUARE	0.15	0.15	0.27	0.27
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-Rank is set to zero if the dose is zero or the correlation matrix is singular.

-R-SQUARE varies between 0 and 1 and is called the coefficient of determination; it provides a measure of the variation in the dependent variable (Dose) explained by regression on the independent variables.

Title : RESRAD Default Parameters

Input File : FCS BURIED PIPE INSITU UA CM-243.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	11	-0.03	10	-0.03	4	0.09	4	0.07
Contaminated zone b parameter	7	-0.04	7	-0.04	9	-0.04	9	-0.03
Evapotranspiration coefficient	9	-0.04	9	-0.04	15	-0.01	15	-0.01
Wind Speed	3	-0.11	3	-0.11	6	-0.07	6	-0.06
Runoff coefficient	10	0.03	11	0.03	7	-0.06	7	-0.05
b Parameter of Unsaturated zone 1	14	-0.02	14	-0.02	17	0.01	17	0.01
Mass loading for inhalation	17	0.01	17	0.01	14	0.02	14	0.01
Indoor dust filtration factor	6	-0.05	6	-0.04	18	-0.01	18	0.00
Depth of soil mixing layer	4	-0.11	4	-0.10	5	-0.08	5	-0.07
Depth of roots	5	-0.05	5	-0.05	10	-0.03	10	-0.03
Wet weight crop yield of fruit, grain and non-leafy vegetables	12	-0.03	12	-0.03	11	-0.03	11	-0.02
Weathering removal constant of all vegetation	8	-0.04	8	-0.04	12	-0.02	12	-0.02
Wet foliar interception fraction of leafy vegetables	18	0.01	18	0.01	8	0.05	8	0.04
Humidity in air	16	0.01	16	0.01	16	0.01	16	0.01
Cover erosion rate	1	0.26	1	0.27	2	0.29	2	0.25
Kd of Cm-243 in Contaminated Zone	15	-0.02	15	-0.02	1	-0.49	1	-0.46
Kd of Cm-243 in Saturated Zone	13	-0.03	13	-0.02	13	0.02	13	0.01
Well pump intake depth	2	-0.15	2	-0.14	3	-0.23	3	-0.20

R-SQUARE	0.12	0.12	0.33	0.33
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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.