

Probabilistic results summary : RESRAD Default Parameters

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Probabilistic Input

Number of Sample Runs: 900

Number	Name	Distribution	Parameters																	
1	VCZ	CONTINUOUS LOGARITHMIC4	5.E-8	0	.0007	.22	.005	.95	.2	1										
2	BCZ	BOUNDED LOGNORMAL-N	1.28	.334	1.28	10.1														
3	EVAPTR	UNIFORM	.5	.99																
4	WIND	UNIFORM	2.8	4.7																
5	RUNOFF	UNIFORM	.1	.8																
6	BUZ(1)	BOUNDED LOGNORMAL-N	1.28	.334	1.28	10.1														
7	MLINH	CONTINUOUS LINEAR	8	0	0	.000008	.0151	.000016	.1365	.00003	.8119	.00004	.9495	.00006	.9937	.000076	.9983	.0001	1	
8	SHF3	UNIFORM	.15	.95																
9	DM	TRIANGULAR	0	.15	.6															
10	DROOT	UNIFORM	.3	4																
11	YV(1)	TRUNCATED LOGNORMAL-N	.56	.48	.001	.999														
12	WLAM	TRIANGULAR	5.1	18	84															
13	RWET(2)	TRIANGULAR	.06	.67	.95															
14	HUMID	TRUNCATED LOGNORMAL-N	1.98	.334	.001	.999														
15	VCV	CONTINUOUS LOGARITHMIC4	5.E-8	0	.0007	.22	.005	.95	.2	1										
16	DCACTC(1)	LOGNORMAL-N	6.91	1.95																
17	DCACTS(1)	LOGNORMAL-N	6.91	1.95																
18	DWIBWT	CONTINUOUS LINEAR	6	5	0	24	.29	43	.66	53	.68	76	.95	89	1					

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Probabilistic Total Dose Summary

Nuclide (j)	Peak Time	Peak Dose	DOSE(j,t), mrem/yr								
			t= 0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03	
Am-241											
Min	0.00E+00	3.27E-05	1.12E-06	1.29E-06	1.63E-06	2.85E-06	2.67E-06	2.99E-12	1.31E-12	7.52E-14	
Max	1.00E+03	8.79E-01	6.62E-01	3.69E-01	5.01E-01	7.18E-01	3.24E-01	3.41E-01	6.08E-02	1.00E-02	
Avg	8.73E+01	2.68E-02	1.89E-02	1.73E-02	1.58E-02	1.42E-02	1.23E-02	1.10E-02	6.48E-03	9.46E-04	
Std	1.51E+02	5.39E-02	4.21E-02	3.06E-02	2.61E-02	2.87E-02	1.97E-02	2.10E-02	7.67E-03	1.41E-03	
ALL											
Min	0.00E+00	3.27E-05	1.12E-06	1.29E-06	1.63E-06	2.85E-06	2.67E-06	2.99E-12	1.31E-12	7.52E-14	
Max	1.00E+03	8.79E-01	6.62E-01	3.69E-01	5.01E-01	7.18E-01	3.24E-01	3.41E-01	6.08E-02	1.00E-02	
Avg	8.73E+01	2.68E-02	1.89E-02	1.73E-02	1.58E-02	1.42E-02	1.23E-02	1.10E-02	6.48E-03	9.46E-04	
Std	1.51E+02	5.39E-02	4.21E-02	3.06E-02	2.61E-02	2.87E-02	1.97E-02	2.10E-02	7.67E-03	1.41E-03	

ALL is total dose summed for all nuclides.

Probabilistic results summary : RESRAD Default Parameters

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Probabilistic Risk Summary

Nuclide	RISK(j,t)							
	t= 0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
Am-241								
Min	9.06E-13	1.04E-12	1.32E-12	2.31E-12	2.29E-12	2.25E-17	9.70E-18	3.01E-19
Max	8.43E-07	3.95E-07	3.93E-07	6.65E-07	2.96E-07	3.13E-07	1.99E-07	6.04E-08
Avg	1.96E-08	1.75E-08	1.57E-08	1.51E-08	1.37E-08	1.20E-08	9.71E-09	2.31E-09
Std	4.71E-08	3.06E-08	2.32E-08	3.05E-08	2.52E-08	2.58E-08	2.29E-08	7.77E-09
ALL								
Min	9.06E-13	1.04E-12	1.32E-12	2.31E-12	2.29E-12	2.25E-17	9.70E-18	3.01E-19
Max	8.43E-07	3.95E-07	3.93E-07	6.65E-07	2.96E-07	3.13E-07	1.99E-07	6.04E-08
Avg	1.96E-08	1.75E-08	1.57E-08	1.51E-08	1.37E-08	1.20E-08	9.71E-09	2.31E-09
Std	4.71E-08	3.06E-08	2.32E-08	3.05E-08	2.52E-08	2.58E-08	2.29E-08	7.77E-09

ALL is total risk summed for all nuclides.

Probabilistic results summary : RESRAD Default Parameters

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Probabilistic Dose vs Pathway(i): Ground External

Nuclide	DOSE(i,j,t), mrem/yr							
	t= 0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
Am-241								
Min	3.72E-17	3.91E-17	1.17E-17	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	8.32E-16	3.92E-14	5.96E-11	1.45E-02	1.43E-02	1.29E-02	9.29E-03	3.02E-03
Avg	9.19E-17	4.01E-16	1.10E-13	5.77E-05	8.02E-05	7.62E-05	1.87E-04	7.76E-05
Std	4.70E-17	1.87E-15	2.13E-12	7.46E-04	9.17E-04	9.07E-04	1.08E-03	3.79E-04
ALL								
Min	3.72E-17	3.91E-17	1.17E-17	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	8.32E-16	3.92E-14	5.96E-11	1.45E-02	1.43E-02	1.29E-02	9.29E-03	3.02E-03
Avg	9.19E-17	4.01E-16	1.10E-13	5.77E-05	8.02E-05	7.62E-05	1.87E-04	7.76E-05
Std	4.70E-17	1.87E-15	2.13E-12	7.46E-04	9.17E-04	9.07E-04	1.08E-03	3.79E-04

ALL is total pathway dose summed for all nuclides.

Probabilistic results summary : RESRAD Default Parameters

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

Nuclide	DOSE(i,j,t), mrem/yr							
	t= 0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
Am-241								
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	9.62E-04	4.71E-04	8.56E-04	8.27E-04	3.34E-04
Avg	0.00E+00	0.00E+00	0.00E+00	3.82E-06	2.48E-06	2.73E-06	1.41E-05	3.48E-06
Std	0.00E+00	0.00E+00	0.00E+00	4.88E-05	2.89E-05	3.55E-05	6.19E-05	1.86E-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	0.00E+00	9.62E-04	4.71E-04	8.56E-04	8.27E-04	3.34E-04
Avg	0.00E+00	0.00E+00	0.00E+00	3.82E-06	2.48E-06	2.73E-06	1.41E-05	3.48E-06
Std	0.00E+00	0.00E+00	0.00E+00	4.88E-05	2.89E-05	3.55E-05	6.19E-05	1.86E-05

ALL is total pathway dose summed for all nuclides.

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

Nuclide	DOSE(i,j,t), mrem/yr							
	(j) t= 0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
<hr/>								
Am-241								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
<hr/>								
ALL								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
<hr/>								

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

Nuclide	DOSE(i,j,t), mrem/yr							
	t= 0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
Am-241								
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	1.99E-02	1.98E-02	1.97E-02	6.94E-02	2.65E-02	3.39E-02	3.14E-02	8.64E-03
Avg	7.71E-03	7.56E-03	7.31E-03	6.81E-03	5.72E-03	4.42E-03	2.56E-03	2.68E-04
Std	5.26E-03	5.19E-03	5.11E-03	5.39E-03	4.77E-03	4.71E-03	4.04E-03	7.76E-04
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	1.99E-02	1.98E-02	1.97E-02	6.94E-02	2.65E-02	3.39E-02	3.14E-02	8.64E-03
Avg	7.71E-03	7.56E-03	7.31E-03	6.81E-03	5.72E-03	4.42E-03	2.56E-03	2.68E-04
Std	5.26E-03	5.19E-03	5.11E-03	5.39E-03	4.77E-03	4.71E-03	4.04E-03	7.76E-04

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

Nuclide	DOSE(i,j,t), mrem/yr							
	t= 0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
Am-241								
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	1.64E-06	1.64E-06	1.63E-06	1.82E-04	9.42E-05	1.23E-04	1.28E-04	5.33E-05
Avg	6.40E-07	6.27E-07	6.06E-07	1.40E-06	1.05E-06	1.05E-06	3.71E-06	9.41E-07
Std	4.36E-07	4.31E-07	4.24E-07	9.42E-06	6.23E-06	7.48E-06	1.37E-05	4.11E-06
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	1.64E-06	1.64E-06	1.63E-06	1.82E-04	9.42E-05	1.23E-04	1.28E-04	5.33E-05
Avg	6.40E-07	6.27E-07	6.06E-07	1.40E-06	1.05E-06	1.05E-06	3.71E-06	9.41E-07
Std	4.36E-07	4.31E-07	4.24E-07	9.42E-06	6.23E-06	7.48E-06	1.37E-05	4.11E-06

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

Nuclide	DOSE(i,j,t), mrem/yr							
	t= 0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
Am-241								
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	7.80E-07	7.78E-07	7.73E-07	4.00E-05	1.93E-05	2.59E-05	2.60E-05	1.09E-05
Avg	3.03E-07	2.97E-07	2.87E-07	4.38E-07	3.41E-07	3.13E-07	8.11E-07	1.97E-07
Std	2.06E-07	2.04E-07	2.01E-07	1.99E-06	1.29E-06	1.55E-06	2.83E-06	8.44E-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	7.80E-07	7.78E-07	7.73E-07	4.00E-05	1.93E-05	2.59E-05	2.60E-05	1.09E-05
Avg	3.03E-07	2.97E-07	2.87E-07	4.38E-07	3.41E-07	3.13E-07	8.11E-07	1.97E-07
Std	2.06E-07	2.04E-07	2.01E-07	1.99E-06	1.29E-06	1.55E-06	2.83E-06	8.44E-07

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Probabilistic Dose vs Pathway(i): Soil Ingestion

Nuclide	DOSE(i,j,t), mrem/yr							
	t= 0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
Am-241								
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	9.79E-03	4.68E-03	6.03E-03	6.37E-03	2.67E-03
Avg	0.00E+00	0.00E+00	0.00E+00	4.20E-05	2.87E-05	3.42E-05	1.75E-04	4.60E-05
Std	0.00E+00	0.00E+00	0.00E+00	4.77E-04	3.09E-04	3.70E-04	6.80E-04	2.04E-04
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	9.79E-03	4.68E-03	6.03E-03	6.37E-03	2.67E-03
Avg	0.00E+00	0.00E+00	0.00E+00	4.20E-05	2.87E-05	3.42E-05	1.75E-04	4.60E-05
Std	0.00E+00	0.00E+00	0.00E+00	4.77E-04	3.09E-04	3.70E-04	6.80E-04	2.04E-04

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Probabilistic Dose vs Pathway(i): Water Ingestion

Nuclide	DOSE(i,j,t), mrem/yr							
	t= 0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
Am-241								
Min	1.04E-06	1.20E-06	1.52E-06	2.65E-06	2.29E-06	2.87E-12	1.20E-12	6.93E-14
Max	6.35E-01	3.03E-01	4.62E-01	6.62E-01	2.45E-01	2.59E-01	5.30E-02	5.49E-03
Avg	1.03E-02	8.87E-03	7.70E-03	6.66E-03	5.88E-03	5.82E-03	3.24E-03	5.04E-04
Std	3.84E-02	2.76E-02	2.36E-02	2.60E-02	1.72E-02	1.82E-02	6.04E-03	7.82E-04
ALL								
Min	1.04E-06	1.20E-06	1.52E-06	2.65E-06	2.29E-06	2.87E-12	1.20E-12	6.93E-14
Max	6.35E-01	3.03E-01	4.62E-01	6.62E-01	2.45E-01	2.59E-01	5.30E-02	5.49E-03
Avg	1.03E-02	8.87E-03	7.70E-03	6.66E-03	5.88E-03	5.82E-03	3.24E-03	5.04E-04
Std	3.84E-02	2.76E-02	2.36E-02	2.60E-02	1.72E-02	1.82E-02	6.04E-03	7.82E-04

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Probabilistic Dose vs Pathway(i): Fish Ingestion

Nuclide	DOSE(i,j,t), mrem/yr							
	t= 0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
Am-241								
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\BFM INSITU UNCERTAINTY ANALYSIS\FCS BURIED PIPE INSITU UA AM-241.RAD

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

Nuclide	DOSE(i,j,t), mrem/yr							
	(j) t= 0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
Am-241								
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\BFM INSITU UNCERTAINTY ANALYSIS\FCS BURIED PIPE INSITU UA AM-241.RAD

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

Nuclide	DOSE(i,j,t), mrem/yr							
	t= 0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
Am-241								
Min	7.69E-08	8.85E-08	1.06E-07	1.17E-07	1.54E-07	1.07E-13	5.25E-14	2.83E-15
Max	8.04E-02	5.62E-02	5.65E-02	6.41E-02	7.70E-02	8.16E-02	7.80E-03	7.72E-04
Avg	9.63E-04	8.46E-04	7.46E-04	6.53E-04	5.87E-04	5.96E-04	2.96E-04	4.57E-05
Std	4.23E-03	3.43E-03	3.00E-03	3.14E-03	3.01E-03	3.25E-03	6.82E-04	8.51E-05
ALL								
Min	7.69E-08	8.85E-08	1.06E-07	1.17E-07	1.54E-07	1.07E-13	5.25E-14	2.83E-15
Max	8.04E-02	5.62E-02	5.65E-02	6.41E-02	7.70E-02	8.16E-02	7.80E-03	7.72E-04
Avg	9.63E-04	8.46E-04	7.46E-04	6.53E-04	5.87E-04	5.96E-04	2.96E-04	4.57E-05
Std	4.23E-03	3.43E-03	3.00E-03	3.14E-03	3.01E-03	3.25E-03	6.82E-04	8.51E-05

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\BFM INSITU UNCERTAINTY ANALYSIS\FCS BURIED PIPE INSITU UA AM-241.RAD

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

Nuclide	DOSE(i,j,t), mrem/yr							
	t= 0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
Am-241								
Min	7.87E-11	1.21E-10	2.13E-10	5.92E-10	6.07E-10	1.13E-15	4.23E-16	7.64E-18
Max	3.95E-05	2.31E-05	2.86E-05	4.23E-05	2.05E-05	2.18E-05	3.82E-06	3.86E-07
Avg	7.02E-07	6.04E-07	5.22E-07	4.51E-07	4.05E-07	4.11E-07	2.26E-07	3.54E-08
Std	2.63E-06	1.91E-06	1.59E-06	1.72E-06	1.24E-06	1.35E-06	4.17E-07	5.35E-08
ALL								
Min	7.87E-11	1.21E-10	2.13E-10	5.92E-10	6.07E-10	1.13E-15	4.23E-16	7.64E-18
Max	3.95E-05	2.31E-05	2.86E-05	4.23E-05	2.05E-05	2.18E-05	3.82E-06	3.86E-07
Avg	7.02E-07	6.04E-07	5.22E-07	4.51E-07	4.05E-07	4.11E-07	2.26E-07	3.54E-08
Std	2.63E-06	1.91E-06	1.59E-06	1.72E-06	1.24E-06	1.35E-06	4.17E-07	5.35E-08

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\BFM INSITU UNCERTAINTY ANALYSIS\FCS BURIED PIPE INSITU UA AM-241.RAD

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

Nuclide	DOSE(i,j,t), mrem/yr							
	t= 0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
Am-241								
Min	2.16E-11	2.63E-11	3.62E-11	7.40E-11	8.38E-11	1.13E-14	4.04E-15	2.13E-18
Max	1.17E-05	7.73E-06	9.09E-06	1.33E-05	7.27E-06	7.70E-06	1.28E-06	1.27E-07
Avg	2.27E-07	1.95E-07	1.69E-07	1.46E-07	1.31E-07	1.32E-07	7.15E-08	1.11E-08
Std	8.43E-07	6.19E-07	5.17E-07	5.55E-07	4.17E-07	4.59E-07	1.38E-07	1.75E-08
ALL								
Min	2.16E-11	2.63E-11	3.62E-11	7.40E-11	8.38E-11	1.13E-14	4.04E-15	2.13E-18
Max	1.17E-05	7.73E-06	9.09E-06	1.33E-05	7.27E-06	7.70E-06	1.28E-06	1.27E-07
Avg	2.27E-07	1.95E-07	1.69E-07	1.46E-07	1.31E-07	1.32E-07	7.15E-08	1.11E-08
Std	8.43E-07	6.19E-07	5.17E-07	5.55E-07	4.17E-07	4.59E-07	1.38E-07	1.75E-08

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\BFM INSITU UNCERTAINTY ANALYSIS\FCS BURIED PIPE INSITU UA AM-241.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	1.35E-04	1.40E-04	1.43E-04	1.54E-04	1.49E-04	1.01E-04	1.72E-05	7.87E-13
0.050	3.38E-04	3.53E-04	3.59E-04	3.93E-04	3.68E-04	2.28E-04	5.13E-05	1.59E-12
0.075	7.32E-04	7.35E-04	7.43E-04	8.17E-04	6.77E-04	3.96E-04	1.18E-04	2.48E-11
0.100	1.11E-03	1.16E-03	1.24E-03	1.33E-03	1.08E-03	6.28E-04	1.74E-04	7.74E-07
0.125	1.94E-03	1.96E-03	2.12E-03	2.27E-03	1.81E-03	9.44E-04	2.73E-04	4.21E-06
0.150	3.50E-03	3.64E-03	3.64E-03	3.98E-03	2.62E-03	1.47E-03	3.96E-04	1.04E-05
0.175	5.96E-03	5.94E-03	5.91E-03	5.73E-03	3.39E-03	1.96E-03	6.41E-04	1.65E-05
0.200	6.41E-03	6.42E-03	6.35E-03	6.24E-03	4.72E-03	2.46E-03	8.15E-04	2.22E-05
0.225	6.77E-03	6.78E-03	6.74E-03	6.62E-03	5.56E-03	2.94E-03	1.02E-03	3.15E-05
0.250	7.12E-03	7.10E-03	7.08E-03	6.87E-03	6.00E-03	3.43E-03	1.24E-03	4.61E-05
0.275	7.43E-03	7.42E-03	7.39E-03	7.20E-03	6.37E-03	4.10E-03	1.48E-03	6.16E-05
0.300	7.68E-03	7.68E-03	7.62E-03	7.39E-03	6.58E-03	4.58E-03	1.72E-03	8.05E-05
0.325	8.08E-03	8.07E-03	8.03E-03	7.72E-03	6.81E-03	4.98E-03	1.89E-03	9.90E-05
0.350	8.46E-03	8.49E-03	8.43E-03	8.03E-03	7.05E-03	5.24E-03	2.17E-03	1.20E-04
0.375	8.83E-03	8.83E-03	8.77E-03	8.44E-03	7.28E-03	5.63E-03	2.54E-03	1.52E-04
0.400	9.23E-03	9.21E-03	9.17E-03	8.84E-03	7.56E-03	5.88E-03	2.80E-03	1.80E-04
0.425	9.62E-03	9.61E-03	9.57E-03	9.20E-03	7.92E-03	6.13E-03	3.25E-03	2.12E-04
0.450	1.01E-02	1.01E-02	1.00E-02	9.54E-03	8.33E-03	6.33E-03	3.61E-03	2.50E-04
0.475	1.05E-02	1.05E-02	1.04E-02	9.97E-03	8.64E-03	6.62E-03	3.96E-03	3.06E-04
0.500	1.10E-02	1.10E-02	1.08E-02	1.03E-02	8.97E-03	6.94E-03	4.29E-03	3.70E-04
0.525	1.15E-02	1.15E-02	1.12E-02	1.07E-02	9.49E-03	7.20E-03	4.53E-03	4.13E-04
0.550	1.19E-02	1.19E-02	1.18E-02	1.10E-02	9.75E-03	7.53E-03	4.84E-03	4.65E-04
0.575	1.25E-02	1.24E-02	1.22E-02	1.16E-02	1.00E-02	7.90E-03	5.30E-03	5.47E-04
0.600	1.31E-02	1.29E-02	1.28E-02	1.20E-02	1.04E-02	8.37E-03	5.65E-03	5.95E-04
0.625	1.36E-02	1.33E-02	1.33E-02	1.25E-02	1.10E-02	8.85E-03	6.05E-03	6.76E-04
0.650	1.42E-02	1.41E-02	1.39E-02	1.30E-02	1.12E-02	9.21E-03	6.45E-03	7.84E-04
0.675	1.48E-02	1.48E-02	1.46E-02	1.36E-02	1.17E-02	9.80E-03	6.82E-03	8.99E-04
0.700	1.58E-02	1.57E-02	1.55E-02	1.41E-02	1.23E-02	1.02E-02	7.33E-03	9.95E-04
0.725	1.66E-02	1.65E-02	1.62E-02	1.48E-02	1.30E-02	1.08E-02	7.92E-03	1.10E-03
0.750	1.74E-02	1.73E-02	1.70E-02	1.54E-02	1.37E-02	1.16E-02	8.52E-03	1.26E-03
0.775	1.82E-02	1.80E-02	1.78E-02	1.62E-02	1.44E-02	1.26E-02	9.20E-03	1.41E-03
0.800	1.94E-02	1.92E-02	1.87E-02	1.70E-02	1.52E-02	1.37E-02	9.92E-03	1.58E-03
0.825	2.03E-02	2.00E-02	1.98E-02	1.80E-02	1.64E-02	1.48E-02	1.10E-02	1.86E-03
0.850	2.26E-02	2.22E-02	2.13E-02	1.90E-02	1.73E-02	1.53E-02	1.24E-02	2.11E-03
0.875	2.54E-02	2.46E-02	2.34E-02	2.05E-02	1.84E-02	1.64E-02	1.37E-02	2.35E-03
0.900	3.07E-02	2.85E-02	2.67E-02	2.31E-02	2.02E-02	1.96E-02	1.60E-02	2.66E-03
0.925	3.66E-02	3.49E-02	3.30E-02	2.83E-02	2.39E-02	2.28E-02	1.83E-02	3.32E-03
0.950	5.54E-02	4.80E-02	4.33E-02	3.39E-02	2.88E-02	2.85E-02	2.18E-02	3.96E-03
0.975	9.52E-02	7.83E-02	6.85E-02	4.93E-02	4.08E-02	4.96E-02	2.94E-02	5.16E-03
1.000	6.62E-01	3.69E-01	5.01E-01	7.18E-01	3.24E-01	3.41E-01	6.08E-02	1.00E-02

Probabilistic results summary : RESRAD Default Parameters

File : C:\USERS\DNF\DOCUMENTS\FT CALHOUN\RESRAD INPUT FILES\BFM INSITU UNCERTAINTY ANALYSIS\FCS BURIED PIPE INSITU UA AM-241.RAD

Summary of dose at graphical times, reptition 1

Time Years	Dose statistics at graphical times, mrem/yr							
	Minimum	Maximum	Mean	Median	90%	95%	97.5%	99%
0.00E+00	8.52E-06	4.28E-01	1.95E-02	1.08E-02	3.19E-02	5.82E-02	1.20E-01	2.84E-01
1.00E+00	8.55E-06	3.14E-01	1.79E-02	1.08E-02	3.18E-02	5.37E-02	8.05E-02	2.19E-01
1.06E+00	8.56E-06	3.09E-01	1.78E-02	1.08E-02	3.16E-02	5.32E-02	7.93E-02	2.16E-01
1.12E+00	8.56E-06	3.03E-01	1.77E-02	1.08E-02	3.13E-02	5.27E-02	7.82E-02	2.13E-01
1.19E+00	8.56E-06	2.97E-01	1.76E-02	1.08E-02	3.11E-02	5.22E-02	7.71E-02	2.09E-01
1.25E+00	8.56E-06	2.90E-01	1.76E-02	1.08E-02	3.08E-02	5.16E-02	7.60E-02	2.05E-01
1.33E+00	8.57E-06	2.84E-01	1.75E-02	1.08E-02	3.07E-02	5.12E-02	7.47E-02	2.02E-01
1.40E+00	8.57E-06	2.77E-01	1.74E-02	1.08E-02	3.10E-02	5.10E-02	7.34E-02	1.98E-01
1.49E+00	8.57E-06	2.71E-01	1.73E-02	1.08E-02	3.14E-02	5.08E-02	7.21E-02	1.93E-01
1.57E+00	8.58E-06	2.63E-01	1.72E-02	1.08E-02	3.17E-02	5.05E-02	7.09E-02	1.89E-01
1.66E+00	8.58E-06	2.56E-01	1.71E-02	1.08E-02	3.16E-02	5.03E-02	7.05E-02	1.85E-01
1.76E+00	8.58E-06	2.49E-01	1.70E-02	1.08E-02	3.16E-02	5.01E-02	7.02E-02	1.80E-01
1.86E+00	8.59E-06	2.41E-01	1.69E-02	1.08E-02	3.15E-02	5.11E-02	7.01E-02	1.76E-01
1.97E+00	8.59E-06	2.39E-01	1.68E-02	1.08E-02	3.15E-02	5.23E-02	7.00E-02	1.71E-01
2.09E+00	8.60E-06	2.38E-01	1.67E-02	1.08E-02	3.14E-02	5.03E-02	6.99E-02	1.66E-01
2.21E+00	8.60E-06	2.36E-01	1.65E-02	1.08E-02	3.13E-02	5.00E-02	6.97E-02	1.61E-01
2.24E+00	8.61E-06	2.34E-01	1.64E-02	1.08E-02	3.12E-02	4.98E-02	6.96E-02	1.58E-01
2.27E+00	8.61E-06	2.32E-01	1.63E-02	1.08E-02	3.13E-02	4.79E-02	6.95E-02	1.56E-01
2.26E+00	8.62E-06	2.30E-01	1.62E-02	1.08E-02	3.12E-02	4.74E-02	6.93E-02	1.55E-01
2.27E+00	8.62E-06	2.28E-01	1.61E-02	1.08E-02	3.11E-02	4.69E-02	6.92E-02	1.53E-01
2.29E+00	8.63E-06	2.26E-01	1.60E-02	1.08E-02	3.10E-02	4.65E-02	6.90E-02	1.52E-01
3.00E+00	8.63E-06	2.25E-01	1.59E-02	1.08E-02	3.10E-02	4.63E-02	6.90E-02	1.51E-01
3.310E+00	8.64E-06	2.23E-01	1.58E-02	1.08E-02	3.09E-02	4.60E-02	6.97E-02	1.50E-01
3.328E+00	8.65E-06	2.21E-01	1.57E-02	1.08E-02	3.08E-02	4.55E-02	7.01E-02	1.48E-01
3.48E+00	8.66E-06	2.18E-01	1.56E-02	1.08E-02	3.09E-02	4.52E-02	6.96E-02	1.46E-01
3.68E+00	8.66E-06	2.16E-01	1.55E-02	1.08E-02	3.06E-02	4.94E-02	7.08E-02	1.40E-01
3.89E+00	8.67E-06	2.13E-01	1.54E-02	1.08E-02	3.03E-02	4.94E-02	7.16E-02	1.31E-01
4.12E+00	8.68E-06	2.10E-01	1.53E-02	1.08E-02	3.03E-02	4.90E-02	7.09E-02	1.23E-01
4.36E+00	8.69E-06	2.07E-01	1.52E-02	1.07E-02	2.98E-02	4.47E-02	7.47E-02	1.15E-01
4.61E+00	8.71E-06	2.04E-01	1.51E-02	1.07E-02	2.93E-02	4.23E-02	7.60E-02	1.07E-01
4.88E+00	8.72E-06	2.01E-01	1.50E-02	1.07E-02	2.89E-02	4.16E-02	7.67E-02	9.90E-02
5.17E+00	8.73E-06	1.97E-01	1.49E-02	1.07E-02	2.85E-02	4.16E-02	7.45E-02	9.21E-02
5.47E+00	8.74E-06	1.94E-01	1.48E-02	1.07E-02	2.81E-02	4.23E-02	7.20E-02	9.50E-02
5.57E+00	8.76E-06	1.90E-01	1.47E-02	1.07E-02	2.77E-02	4.31E-02	6.94E-02	9.82E-02
6.12E+00	8.77E-06	1.86E-01	1.46E-02	1.06E-02	2.71E-02	4.40E-02	6.49E-02	1.02E-01
6.48E+00	8.79E-06	1.82E-01	1.45E-02	1.05E-02	2.68E-02	4.50E-02	5.96E-02	1.05E-01
6.86E+00	8.81E-06	1.78E-01	1.44E-02	1.05E-02	2.63E-02	4.46E-02	5.62E-02	1.09E-01
7.26E+00	8.83E-06	1.74E-01	1.43E-02	1.05E-02	2.59E-02	4.38E-02	5.28E-02	1.12E-01
7.68E+00	8.84E-06	1.69E-01	1.42E-02	1.04E-02	2.56E-02	4.11E-02	5.49E-02	1.09E-01
8.13E+00	8.86E-06	1.65E-01	1.41E-02	1.04E-02	2.52E-02	4.19E-02	5.56E-02	1.09E-01
8.60E+00	8.89E-06	1.60E-01	1.40E-02	1.04E-02	2.51E-02	3.82E-02	5.64E-02	1.12E-01
9.10E+00	8.91E-06	1.56E-01	1.39E-02	1.04E-02	2.44E-02	3.45E-02	5.72E-02	1.16E-01
9.63E+00	8.93E-06	1.51E-01	1.38E-02	1.03E-02	2.48E-02	3.39E-02	5.80E-02	1.19E-01
1.00E+01	8.95E-06	1.47E-01	1.38E-02	1.02E-02	2.43E-02	3.38E-02	5.86E-02	1.21E-01
1.02E+01	8.96E-06	1.46E-01	1.38E-02	1.02E-02	2.45E-02	3.72E-02	5.88E-02	1.22E-01
1.08E+01	8.98E-06	1.42E-01	1.37E-02	1.02E-02	2.39E-02	3.88E-02	5.94E-02	1.26E-01
1.14E+01	9.01E-06	1.47E-01	1.36E-02	1.02E-02	2.26E-02	3.76E-02	6.00E-02	1.29E-01
1.21E+01	9.04E-06	1.52E-01	1.36E-02	1.01E-02	2.27E-02	3.64E-02	6.05E-02	1.30E-01
1.28E+01	9.07E-06	1.57E-01	1.35E-02	1.01E-02	2.30E-02	3.51E-02	6.09E-02	1.25E-01
1.35E+01	9.11E-06	1.62E-01	1.34E-02	9.98E-03	2.34E-02	3.25E-02	6.19E-02	1.19E-01
1.43E+01	9.14E-06	1.67E-01	1.33E-02	9.90E-03	2.22E-02	3.23E-02	6.23E-02	1.14E-01
1.51E+01	9.18E-06	1.72E-01	1.32E-02	9.81E-03	2.22E-02	3.18E-02	6.15E-02	1.09E-01
1.60E+01	9.22E-06	1.78E-01	1.31E-02	9.80E-03	2.19E-02	3.16E-02	6.07E-02	1.03E-01
1.70E+01	9.26E-06	1.83E-01	1.30E-02	9.78E-03	2.22E-02	3.03E-02	5.98E-02	9.80E-02
1.80E+01	9.31E-06	1.89E-01	1.30E-02	9.70E-03	2.23E-02	3.06E-02	5.87E-02	9.27E-02
1.90E+01	9.35E-06	1.94E-01	1.29E-02	9.68E-03	2.28E-02	3.07E-02	5.62E-02	8.74E-02

2.01E+01 9.40E-06 1.99E-01 1.28E-02 9.69E-03 2.24E-02 3.02E-02 5.37E-02 8.98E-02

2.13E+01 9.45E-06 2.05E-01 1.27E-02 9.66E-03 2.24E-02 2.95E-02 5.28E-02 9.28E-02

2.25E+01 9.51E-06 2.10E-01 1.26E-02 9.51E-03 2.20E-02 2.95E-02 5.26E-02 9.58E-02

2.38E+01 9.56E-06 2.16E-01 1.26E-02 9.43E-03 2.14E-02 2.93E-02 5.24E-02 9.89E-02

2.52E+01 9.62E-06 2.21E-01 1.25E-02 9.27E-03 2.13E-02 2.90E-02 5.22E-02 1.02E-01

2.67E+01 9.69E-06 2.26E-01 1.25E-02 9.12E-03 2.13E-02 2.93E-02 5.08E-02 1.05E-01

2.82E+01 9.76E-06 2.31E-01 1.24E-02 8.98E-03 2.13E-02 2.95E-02 4.85E-02 1.08E-01

2.99E+01 9.83E-06 2.36E-01 1.23E-02 8.98E-03 2.13E-02 2.96E-02 4.63E-02 1.11E-01

3.00E+01 9.83E-06 2.36E-01 1.23E-02 8.97E-03 2.13E-02 2.96E-02 4.61E-02 1.12E-01

3.16E+01 2.73E-06 2.41E-01 1.23E-02 8.91E-03 2.12E-02 2.96E-02 4.42E-02 1.14E-01

3.35E+01 2.73E-06 2.45E-01 1.22E-02 8.86E-03 2.04E-02 2.95E-02 4.20E-02 1.18E-01

3.54E+01 2.72E-06 2.50E-01 1.22E-02 8.80E-03 1.98E-02 2.87E-02 3.99E-02 1.21E-01

3.75E+01 2.72E-06 2.54E-01 1.22E-02 8.69E-03 2.01E-02 2.88E-02 3.98E-02 1.24E-01

3.97E+01 2.72E-06 2.57E-01 1.21E-02 8.67E-03 1.98E-02 2.90E-02 3.98E-02 1.17E-01

4.20E+01 2.71E-06 2.61E-01 1.21E-02 8.61E-03 2.05E-02 2.88E-02 3.99E-02 1.09E-01

4.44E+01 2.71E-06 2.64E-01 1.20E-02 8.58E-03 2.04E-02 2.85E-02 4.04E-02 1.07E-01

4.70E+01 2.71E-06 2.67E-01 1.19E-02 8.49E-03 2.02E-02 2.84E-02 4.09E-02 1.10E-01

4.97E+01 2.70E-06 2.69E-01 1.18E-02 8.39E-03 2.00E-02 2.82E-02 4.14E-02 1.13E-01

5.26E+01 2.70E-06 2.72E-01 1.17E-02 8.17E-03 1.92E-02 2.80E-02 4.20E-02 1.17E-01

5.57E+01 2.69E-06 2.73E-01 1.16E-02 8.06E-03 1.91E-02 2.78E-02 4.30E-02 1.20E-01

5.90E+01 2.69E-06 2.75E-01 1.16E-02 7.97E-03 1.91E-02 2.77E-02 4.41E-02 1.24E-01

6.24E+01 2.68E-06 2.76E-01 1.16E-02 7.79E-03 1.90E-02 2.76E-02 4.52E-02 1.27E-01

6.60E+01 2.68E-06 2.77E-01 1.15E-02 7.68E-03 1.89E-02 2.78E-02 4.63E-02 1.31E-01

99E+01 2.65E-06 2.77E-01 1.14E-02 7.60E-03 1.85E-02 2.79E-02 4.41E-02 1.34E-01

7.39E+01 2.53E-06 2.77E-01 1.14E-02 7.59E-03 1.88E-02 2.80E-02 4.26E-02 1.38E-01

7.82E+01 2.37E-06 2.77E-01 1.13E-02 7.47E-03 1.85E-02 2.71E-02 4.32E-02 1.41E-01

8.28E+01 3.47E-08 2.76E-01 1.12E-02 7.30E-03 1.83E-02 2.64E-02 4.37E-02 1.44E-01

8.76E+01 3.10E-12 2.75E-01 1.11E-02 7.20E-03 1.83E-02 2.61E-02 4.42E-02 1.47E-01

9.27E+01 3.05E-12 2.74E-01 1.11E-02 7.14E-03 1.85E-02 2.54E-02 4.46E-02 1.51E-01

9.81E+01 3.01E-12 2.72E-01 1.10E-02 7.05E-03 1.93E-02 2.57E-02 4.50E-02 1.54E-01

1.00E+02 2.99E-12 2.72E-01 1.10E-02 7.02E-03 1.87E-02 2.58E-02 4.52E-02 1.54E-01

1.04E+02 2.96E-12 2.70E-01 1.09E-02 6.96E-03 1.88E-02 2.56E-02 4.57E-02 1.56E-01

1.10E+02 2.91E-12 2.68E-01 1.08E-02 6.89E-03 1.88E-02 2.58E-02 4.64E-02 1.59E-01

1.16E+02 2.86E-12 2.11E-01 1.05E-02 6.86E-03 1.84E-02 2.59E-02 4.71E-02 1.61E-01

1.23E+02 2.80E-12 1.73E-01 1.02E-02 6.75E-03 1.86E-02 2.60E-02 4.77E-02 1.53E-01

1.30E+02 2.74E-12 1.71E-01 9.93E-03 6.57E-03 1.87E-02 2.59E-02 4.82E-02 1.09E-01

1.38E+02 2.68E-12 1.60E-01 9.66E-03 6.58E-03 1.86E-02 2.62E-02 4.87E-02 7.85E-02

1.46E+02 2.62E-12 1.35E-01 9.24E-03 6.47E-03 1.87E-02 2.63E-02 4.89E-02 7.73E-02

1.54E+02 2.55E-12 1.21E-01 8.91E-03 6.15E-03 1.89E-02 2.62E-02 4.47E-02 5.14E-02

1.63E+02 2.48E-12 1.09E-01 8.64E-03 6.06E-03 1.86E-02 2.45E-02 3.59E-02 5.08E-02

1.73E+02 2.40E-12 9.66E-02 8.39E-03 6.09E-03 1.71E-02 2.42E-02 3.55E-02 5.11E-02

1.83E+02 2.32E-12 8.52E-02 8.26E-03 6.03E-03 1.72E-02 2.44E-02 3.54E-02 4.85E-02

1.94E+02 2.24E-12 7.47E-02 8.24E-03 5.84E-03 1.79E-02 2.56E-02 3.78E-02 4.82E-02

2.05E+02 2.16E-12 7.05E-02 8.07E-03 5.72E-03 1.77E-02 2.52E-02 3.71E-02 4.79E-02

2.17E+02 2.07E-12 6.92E-02 8.08E-03 5.74E-03 1.84E-02 2.65E-02 3.64E-02 4.75E-02

2.29E+02 1.97E-12 6.79E-02 7.87E-03 5.61E-03 1.80E-02 2.59E-02 3.73E-02 4.70E-02

2.43E+02 1.87E-12 6.64E-02 7.78E-03 5.50E-03 1.85E-02 2.52E-02 3.64E-02 4.05E-02

2.57E+02 1.77E-12 6.50E-02 7.36E-03 5.04E-03 1.79E-02 2.43E-02 3.45E-02 3.85E-02

2.72E+02 1.66E-12 6.35E-02 7.14E-03 4.76E-03 1.75E-02 2.35E-02 3.13E-02 3.98E-02

2.88E+02 1.55E-12 6.20E-02 6.92E-03 4.55E-03 1.72E-02 2.27E-02 3.04E-02 3.68E-02

3.00E+02 1.47E-12 6.08E-02 6.70E-03 4.38E-03 1.68E-02 2.20E-02 2.99E-02 3.87E-02

3.05E+02 1.44E-12 6.04E-02 6.57E-03 4.37E-03 1.66E-02 2.19E-02 2.83E-02 3.58E-02

3.22E+02 1.32E-12 5.88E-02 6.20E-03 4.17E-03 1.60E-02 2.04E-02 2.47E-02 3.49E-02

3.41E+02 1.20E-12 5.72E-02 5.75E-03 3.89E-03 1.54E-02 1.93E-02 2.32E-02 3.05E-02

3.61E+02 1.07E-12 5.56E-02 5.42E-03 3.66E-03 1.44E-02 1.89E-02 2.26E-02 2.94E-02

3.82E+02 9.41E-13 3.18E-02 5.05E-03 3.50E-03 1.39E-02 1.75E-02 2.16E-02 2.55E-02

4.04E+02 8.07E-13 3.07E-02 4.62E-03 3.10E-03 1.28E-02 1.66E-02 2.04E-02 2.53E-02

4.28E+02 6.70E-13 2.95E-02 4.39E-03 2.86E-03 1.23E-02 1.66E-02 1.86E-02 2.45E-02

4.53E+02 5.31E-13 2.84E-02 3.99E-03 2.57E-03 1.06E-02 1.47E-02 1.74E-02 2.15E-02

4.79E+02 3.90E-13 2.72E-02 3.73E-03 2.18E-03 9.70E-03 1.44E-02 1.71E-02 2.19E-02

5.07E+02 2.47E-13 2.79E-02 3.43E-03 1.87E-03 9.11E-03 1.34E-02 1.68E-02 1.93E-02

5.36E+02 1.24E-13 2.66E-02 3.21E-03 1.66E-03 8.67E-03 1.28E-02 1.63E-02 1.83E-02

5.68E+02 1.20E-13 2.52E-02 3.03E-03 1.56E-03 8.02E-03 1.20E-02 1.53E-02 1.75E-02

01E+02 1.17E-13 2.39E-02 2.78E-03 1.47E-03 7.39E-03 1.16E-02 1.43E-02 1.66E-02

6.36E+02 1.13E-13 2.27E-02 2.51E-03 1.32E-03 6.76E-03 1.09E-02 1.37E-02 1.54E-02

6.73E+02 1.09E-13 3.36E-02 2.35E-03 1.18E-03 6.04E-03 9.69E-03 1.29E-02 1.49E-02

7.12E+02 1.05E-13 1.58E-02 1.99E-03 9.84E-04 5.17E-03 7.73E-03 1.05E-02 1.34E-02

7.53E+02 1.01E-13 1.51E-02 1.77E-03 8.25E-04 4.78E-03 6.74E-03 9.78E-03 1.31E-02

7.97E+02 9.70E-14 1.40E-02 1.59E-03 6.35E-04 4.04E-03 6.09E-03 9.07E-03 1.15E-02

8.44E+02 9.27E-14 1.29E-02 1.41E-03 5.51E-04 3.73E-03 5.61E-03 7.61E-03 1.06E-02

9.93E+02 8.83E-14 1.18E-02 1.25E-03 4.93E-04 3.69E-03 4.99E-03 6.32E-03 9.74E-03

9.45E+02 8.38E-14 1.07E-02 1.10E-03 4.31E-04 3.12E-03 4.58E-03 5.14E-03 8.88E-03

1.00E+03 7.92E-14 9.75E-03 9.71E-04 3.90E-04 2.49E-03 3.98E-03 5.44E-03 8.05E-03

Probabilistic results summary : RESRAD Default Parameters

File : C:\USERS\DNF\DOCUMENTS\FT CALHOUN\RESRAD INPUT FILES\BFM INSITU UNCERTAINTY ANALYSIS\FCS BURIED PIPE INSITU UA AM-241.RAD

Summary of dose at graphical times, reptition 2

Time Years	Dose statistics at graphical times, mrem/yr							
	Minimum	Maximum	Mean	Median	90%	95%	97.5%	99%
0.00E+00	2.85E-05	6.62E-01	1.89E-02	1.07E-02	2.88E-02	5.19E-02	9.66E-02	2.25E-01
1.00E+00	2.85E-05	2.88E-01	1.73E-02	1.07E-02	2.84E-02	4.47E-02	7.54E-02	2.31E-01
1.06E+00	2.85E-05	2.75E-01	1.72E-02	1.07E-02	2.84E-02	4.43E-02	7.46E-02	2.31E-01
1.12E+00	2.85E-05	2.83E-01	1.72E-02	1.07E-02	2.84E-02	4.39E-02	7.38E-02	2.31E-01
1.19E+00	2.85E-05	2.91E-01	1.71E-02	1.07E-02	2.86E-02	4.30E-02	7.30E-02	2.32E-01
1.25E+00	2.85E-05	3.00E-01	1.71E-02	1.07E-02	2.87E-02	4.20E-02	7.21E-02	2.32E-01
1.33E+00	2.85E-05	3.09E-01	1.70E-02	1.07E-02	2.85E-02	4.11E-02	7.21E-02	2.19E-01
1.40E+00	2.85E-05	3.19E-01	1.70E-02	1.07E-02	2.84E-02	4.11E-02	7.21E-02	2.05E-01
1.49E+00	2.85E-05	3.29E-01	1.69E-02	1.07E-02	2.84E-02	4.09E-02	7.21E-02	1.93E-01
1.57E+00	2.85E-05	3.40E-01	1.69E-02	1.07E-02	2.84E-02	4.08E-02	7.21E-02	1.91E-01
1.66E+00	2.85E-05	3.51E-01	1.68E-02	1.07E-02	2.84E-02	4.08E-02	7.22E-02	1.89E-01
1.76E+00	2.85E-05	3.63E-01	1.68E-02	1.07E-02	2.84E-02	4.08E-02	7.22E-02	1.87E-01
1.86E+00	2.85E-05	3.75E-01	1.67E-02	1.07E-02	2.84E-02	4.15E-02	7.22E-02	1.85E-01
1.97E+00	2.85E-05	3.88E-01	1.67E-02	1.07E-02	2.83E-02	4.13E-02	7.23E-02	1.83E-01
2.09E+00	2.85E-05	4.01E-01	1.67E-02	1.07E-02	2.81E-02	4.07E-02	7.22E-02	1.81E-01
2.21E+00	2.85E-05	4.15E-01	1.66E-02	1.06E-02	2.78E-02	4.05E-02	7.22E-02	1.78E-01
2.24E+00	2.86E-05	4.30E-01	1.66E-02	1.06E-02	2.76E-02	4.04E-02	7.22E-02	1.76E-01
2.27E+00	2.86E-05	4.45E-01	1.65E-02	1.06E-02	2.74E-02	4.03E-02	7.21E-02	1.73E-01
2.26E+00	2.86E-05	4.61E-01	1.65E-02	1.06E-02	2.71E-02	4.02E-02	7.15E-02	1.71E-01
2.27E+00	2.86E-05	4.77E-01	1.65E-02	1.06E-02	2.68E-02	4.01E-02	6.67E-02	1.68E-01
2.29E+00	2.86E-05	4.94E-01	1.65E-02	1.06E-02	2.64E-02	4.00E-02	6.19E-02	1.65E-01
3.00E+00	2.86E-05	5.01E-01	1.65E-02	1.06E-02	2.62E-02	3.99E-02	6.04E-02	1.64E-01
3.31E+00	2.86E-05	5.12E-01	1.64E-02	1.06E-02	2.60E-02	3.99E-02	6.01E-02	1.62E-01
3.32E+00	2.86E-05	5.30E-01	1.64E-02	1.06E-02	2.56E-02	3.91E-02	5.95E-02	1.59E-01
3.48E+00	2.86E-05	5.50E-01	1.64E-02	1.06E-02	2.53E-02	3.67E-02	5.88E-02	1.56E-01
3.68E+00	2.86E-05	5.69E-01	1.64E-02	1.06E-02	2.51E-02	3.53E-02	5.87E-02	1.52E-01
3.89E+00	2.86E-05	5.90E-01	1.64E-02	1.06E-02	2.48E-02	3.44E-02	5.90E-02	1.49E-01
4.12E+00	2.86E-05	6.11E-01	1.64E-02	1.05E-02	2.45E-02	3.42E-02	5.93E-02	1.45E-01
4.36E+00	2.87E-05	6.33E-01	1.64E-02	1.05E-02	2.44E-02	3.41E-02	5.96E-02	1.42E-01
4.61E+00	2.87E-05	6.55E-01	1.64E-02	1.05E-02	2.42E-02	3.39E-02	5.98E-02	1.38E-01
4.88E+00	2.87E-05	6.79E-01	1.64E-02	1.05E-02	2.42E-02	3.37E-02	6.00E-02	1.34E-01
5.17E+00	2.87E-05	7.02E-01	1.64E-02	1.04E-02	2.41E-02	3.36E-02	6.03E-02	1.30E-01
5.47E+00	2.87E-05	7.27E-01	1.64E-02	1.04E-02	2.39E-02	3.34E-02	5.97E-02	1.26E-01
5.57E+00	2.87E-05	7.51E-01	1.65E-02	1.04E-02	2.38E-02	3.32E-02	5.82E-02	1.22E-01
6.12E+00	2.88E-05	7.77E-01	1.65E-02	1.04E-02	2.36E-02	3.30E-02	5.75E-02	1.18E-01
6.48E+00	2.88E-05	8.02E-01	1.65E-02	1.04E-02	2.34E-02	3.27E-02	5.70E-02	1.13E-01
6.86E+00	2.88E-05	8.29E-01	1.65E-02	1.04E-02	2.33E-02	3.25E-02	5.65E-02	1.09E-01
7.26E+00	2.88E-05	8.55E-01	1.66E-02	1.03E-02	2.32E-02	3.23E-02	5.60E-02	1.05E-01
7.68E+00	2.89E-05	8.77E-01	1.66E-02	1.02E-02	2.32E-02	3.20E-02	5.55E-02	1.00E-01
8.13E+00	2.89E-05	8.73E-01	1.65E-02	1.02E-02	2.29E-02	3.18E-02	5.50E-02	1.01E-01
8.60E+00	2.89E-05	8.37E-01	1.63E-02	1.01E-02	2.32E-02	3.15E-02	5.44E-02	1.03E-01
9.10E+00	2.89E-05	7.92E-01	1.61E-02	1.01E-02	2.26E-02	3.12E-02	5.43E-02	1.04E-01
9.63E+00	2.90E-05	7.48E-01	1.59E-02	1.01E-02	2.26E-02	3.13E-02	5.34E-02	1.06E-01
1.00E+01	2.90E-05	7.18E-01	1.58E-02	1.00E-02	2.25E-02	3.18E-02	5.28E-02	1.07E-01
1.02E+01	2.90E-05	7.03E-01	1.57E-02	1.00E-02	2.25E-02	3.20E-02	5.24E-02	1.07E-01
1.08E+01	2.91E-05	6.59E-01	1.55E-02	1.00E-02	2.24E-02	3.28E-02	5.23E-02	1.09E-01
1.14E+01	2.91E-05	6.16E-01	1.53E-02	9.95E-03	2.23E-02	3.28E-02	5.33E-02	1.11E-01
1.21E+01	2.91E-05	5.73E-01	1.51E-02	9.93E-03	2.23E-02	3.21E-02	5.43E-02	1.12E-01
1.28E+01	2.92E-05	5.30E-01	1.49E-02	9.91E-03	2.22E-02	3.06E-02	5.37E-02	1.15E-01
1.35E+01	2.92E-05	4.89E-01	1.47E-02	9.90E-03	2.21E-02	3.10E-02	5.19E-02	1.19E-01
1.43E+01	2.93E-05	4.49E-01	1.45E-02	9.82E-03	2.21E-02	3.15E-02	5.01E-02	1.24E-01
1.51E+01	2.93E-05	4.10E-01	1.44E-02	9.62E-03	2.20E-02	3.10E-02	4.83E-02	1.28E-01
1.60E+01	2.94E-05	3.72E-01	1.42E-02	9.44E-03	2.20E-02	2.93E-02	4.65E-02	1.33E-01
1.70E+01	2.95E-05	3.36E-01	1.40E-02	9.38E-03	2.10E-02	2.92E-02	4.57E-02	1.38E-01
1.80E+01	2.95E-05	3.02E-01	1.39E-02	9.39E-03	2.08E-02	2.88E-02	4.61E-02	1.43E-01
1.90E+01	2.96E-05	3.01E-01	1.37E-02	9.33E-03	2.11E-02	2.85E-02	4.69E-02	1.49E-01

2.01E+01 2.97E-05 3.04E-01 1.36E-02 9.26E-03 2.04E-02 2.85E-02 4.77E-02 1.54E-01

2.13E+01 2.97E-05 3.07E-01 1.35E-02 9.25E-03 2.11E-02 2.71E-02 4.86E-02 1.60E-01

2.25E+01 2.98E-05 3.09E-01 1.34E-02 9.23E-03 2.07E-02 2.71E-02 4.94E-02 1.66E-01

2.38E+01 2.99E-05 3.12E-01 1.33E-02 9.12E-03 2.02E-02 2.74E-02 5.02E-02 1.59E-01

2.52E+01 3.00E-05 3.15E-01 1.31E-02 8.99E-03 1.98E-02 2.77E-02 5.11E-02 1.37E-01

2.67E+01 3.01E-05 3.18E-01 1.30E-02 8.95E-03 1.94E-02 2.79E-02 5.20E-02 1.31E-01

2.82E+01 3.02E-05 3.21E-01 1.30E-02 8.89E-03 1.93E-02 2.77E-02 5.28E-02 1.31E-01

2.99E+01 3.03E-05 3.24E-01 1.29E-02 8.82E-03 1.91E-02 2.74E-02 5.37E-02 1.32E-01

3.00E+01 3.03E-05 3.24E-01 1.29E-02 8.82E-03 1.92E-02 2.74E-02 5.37E-02 1.32E-01

3.16E+01 3.04E-05 3.26E-01 1.28E-02 8.76E-03 1.90E-02 2.71E-02 5.45E-02 1.32E-01

3.35E+01 3.48E-06 3.29E-01 1.27E-02 8.59E-03 1.89E-02 2.69E-02 5.47E-02 1.33E-01

3.54E+01 3.48E-06 3.31E-01 1.27E-02 8.49E-03 1.91E-02 2.67E-02 4.93E-02 1.33E-01

3.75E+01 3.47E-06 3.34E-01 1.26E-02 8.27E-03 1.90E-02 2.65E-02 4.93E-02 1.33E-01

3.97E+01 3.46E-06 3.36E-01 1.25E-02 8.10E-03 1.86E-02 2.65E-02 4.99E-02 1.33E-01

4.20E+01 3.45E-06 3.38E-01 1.25E-02 8.02E-03 1.85E-02 2.60E-02 5.06E-02 1.33E-01

4.44E+01 3.44E-06 3.40E-01 1.24E-02 7.94E-03 1.82E-02 2.56E-02 5.13E-02 1.33E-01

4.70E+01 3.44E-06 3.42E-01 1.24E-02 7.82E-03 1.86E-02 2.56E-02 5.20E-02 1.33E-01

4.97E+01 3.43E-06 3.43E-01 1.24E-02 7.71E-03 1.85E-02 2.57E-02 5.27E-02 1.33E-01

5.26E+01 3.42E-06 3.45E-01 1.23E-02 7.59E-03 1.85E-02 2.59E-02 5.34E-02 1.33E-01

5.57E+01 3.40E-06 3.46E-01 1.24E-02 7.56E-03 1.87E-02 2.61E-02 5.41E-02 1.32E-01

5.90E+01 3.39E-06 3.47E-01 1.25E-02 7.50E-03 1.91E-02 2.81E-02 5.48E-02 1.32E-01

6.24E+01 3.38E-06 3.47E-01 1.25E-02 7.53E-03 1.94E-02 2.75E-02 5.54E-02 1.32E-01

6.0E+01 3.37E-06 3.48E-01 1.25E-02 7.41E-03 1.98E-02 2.72E-02 5.60E-02 1.34E-01

99E+01 3.33E-06 3.48E-01 1.25E-02 7.35E-03 2.07E-02 2.79E-02 5.67E-02 1.36E-01

7.39E+01 3.23E-06 3.47E-01 1.25E-02 7.29E-03 2.09E-02 2.84E-02 5.73E-02 1.38E-01

7.82E+01 3.07E-06 3.47E-01 1.24E-02 7.08E-03 2.07E-02 2.94E-02 5.79E-02 1.39E-01

8.28E+01 2.83E-06 3.46E-01 1.23E-02 6.90E-03 2.06E-02 2.99E-02 5.92E-02 1.41E-01

8.76E+01 2.54E-06 3.45E-01 1.22E-02 6.87E-03 2.07E-02 2.97E-02 6.10E-02 1.42E-01

9.27E+01 2.24E-06 3.43E-01 1.21E-02 6.79E-03 2.04E-02 2.95E-02 6.28E-02 1.43E-01

9.81E+01 2.08E-06 3.42E-01 1.20E-02 6.65E-03 2.08E-02 3.22E-02 6.46E-02 1.44E-01

1.00E+02 2.07E-06 3.41E-01 1.19E-02 6.62E-03 2.07E-02 3.31E-02 6.52E-02 1.44E-01

1.04E+02 2.06E-06 3.08E-01 1.17E-02 6.53E-03 2.06E-02 3.28E-02 6.65E-02 1.45E-01

1.10E+02 2.04E-06 2.49E-01 1.14E-02 6.40E-03 2.07E-02 3.20E-02 6.83E-02 1.45E-01

1.16E+02 2.02E-06 2.00E-01 1.11E-02 6.29E-03 2.05E-02 3.07E-02 7.02E-02 1.35E-01

1.23E+02 2.00E-06 1.58E-01 1.09E-02 6.26E-03 2.09E-02 2.99E-02 6.92E-02 1.19E-01

1.30E+02 1.46E-06 1.45E-01 1.07E-02 6.21E-03 2.12E-02 3.06E-02 6.73E-02 1.18E-01

1.38E+02 6.38E-07 1.45E-01 1.04E-02 6.04E-03 2.12E-02 3.12E-02 6.54E-02 9.44E-02

1.46E+02 2.68E-07 1.45E-01 1.02E-02 5.92E-03 2.09E-02 3.19E-02 6.31E-02 8.10E-02

1.54E+02 1.06E-07 1.43E-01 9.80E-03 5.89E-03 2.08E-02 3.22E-02 5.37E-02 8.30E-02

1.63E+02 3.99E-08 1.42E-01 9.58E-03 5.82E-03 2.00E-02 3.27E-02 4.63E-02 8.52E-02

1.73E+02 1.41E-08 1.40E-01 9.44E-03 5.76E-03 2.05E-02 2.98E-02 4.28E-02 8.49E-02

1.83E+02 4.72E-09 1.39E-01 9.22E-03 5.71E-03 1.97E-02 2.83E-02 4.15E-02 8.02E-02

1.94E+02 1.48E-09 1.37E-01 8.97E-03 5.64E-03 1.94E-02 2.55E-02 4.08E-02 7.54E-02

2.05E+02 4.33E-10 1.06E-01 8.68E-03 5.58E-03 1.82E-02 2.52E-02 4.01E-02 7.07E-02

2.17E+02 1.19E-10 9.57E-02 8.41E-03 5.52E-03 1.86E-02 2.48E-02 3.93E-02 6.61E-02

2.29E+02 3.13E-11 6.22E-02 7.98E-03 5.40E-03 1.82E-02 2.43E-02 3.69E-02 4.90E-02

2.43E+02 8.51E-12 6.04E-02 7.74E-03 5.42E-03 1.80E-02 2.35E-02 3.70E-02 4.38E-02

2.57E+02 3.01E-12 5.49E-02 7.44E-03 4.85E-03 1.79E-02 2.50E-02 3.51E-02 4.06E-02

2.72E+02 1.74E-12 4.93E-02 6.98E-03 4.60E-03 1.68E-02 2.31E-02 3.48E-02 3.96E-02

2.88E+02 1.41E-12 4.37E-02 6.50E-03 4.27E-03 1.54E-02 2.24E-02 3.28E-02 3.86E-02

3.00E+02 1.31E-12 3.96E-02 6.39E-03 4.18E-03 1.59E-02 2.12E-02 3.15E-02 3.77E-02

3.05E+02 1.28E-12 3.81E-02 6.32E-03 4.13E-03 1.58E-02 2.05E-02 3.10E-02 3.71E-02

3.22E+02 1.19E-12 3.66E-02 6.01E-03 3.96E-03 1.46E-02 1.88E-02 2.92E-02 3.47E-02

3.41E+02 1.09E-12 3.55E-02 5.57E-03 3.54E-03 1.32E-02 1.84E-02 2.72E-02 3.37E-02

3.61E+02 1.01E-12 3.44E-02 5.18E-03 3.25E-03 1.19E-02 1.72E-02 2.49E-02 3.31E-02

3.82E+02 9.13E-13 3.34E-02 4.90E-03 2.98E-03 1.20E-02 1.79E-02 2.31E-02 3.25E-02

4.04E+02 8.12E-13 3.26E-02 4.62E-03 2.82E-03 1.08E-02 1.59E-02 2.14E-02 3.18E-02

4.28E+02 7.10E-13 3.47E-02 4.45E-03 2.54E-03 1.12E-02 1.73E-02 2.00E-02 3.09E-02

4.53E+02 6.04E-13 3.33E-02 4.17E-03 2.38E-03 1.05E-02 1.69E-02 2.05E-02 2.97E-02

4.79E+02 4.98E-13 3.18E-02 3.82E-03 2.04E-03 9.35E-03 1.58E-02 1.82E-02 2.93E-02

5.07E+02 3.92E-13 3.04E-02 3.52E-03 1.75E-03 8.64E-03 1.41E-02 1.71E-02 2.71E-02

5.36E+02 2.63E-13 2.90E-02 3.25E-03 1.56E-03 7.96E-03 1.25E-02 1.63E-02 2.29E-02

5.68E+02 1.90E-13 2.94E-02 3.04E-03 1.40E-03 7.56E-03 1.21E-02 1.59E-02 1.84E-02

01E+02 1.47E-13 1.54E-02 2.61E-03 1.28E-03 7.19E-03 9.74E-03 1.25E-02 1.45E-02

6.36E+02 1.23E-13 1.48E-02 2.36E-03 1.12E-03 6.58E-03 9.52E-03 1.15E-02 1.27E-02

6.73E+02 1.09E-13 1.36E-02 2.15E-03 9.75E-04 6.18E-03 8.68E-03 1.02E-02 1.18E-02

7.12E+02 1.01E-13 1.28E-02 1.94E-03 8.57E-04 5.77E-03 7.97E-03 9.65E-03 1.09E-02

7.53E+02 9.54E-14 1.43E-02 1.72E-03 7.70E-04 5.08E-03 7.12E-03 8.66E-03 1.00E-02

7.97E+02 9.09E-14 1.31E-02 1.56E-03 6.85E-04 4.56E-03 6.37E-03 7.68E-03 9.19E-03

8.44E+02 8.70E-14 1.20E-02 1.40E-03 5.41E-04 4.13E-03 5.64E-03 7.10E-03 8.60E-03

93E+02 8.27E-14 1.22E-02 1.25E-03 4.58E-04 3.81E-03 4.96E-03 6.14E-03 7.57E-03

9.45E+02 7.89E-14 1.10E-02 1.08E-03 3.73E-04 3.25E-03 4.46E-03 5.72E-03 6.69E-03

1.00E+03 7.52E-14 1.00E-02 9.40E-04 3.25E-04 2.82E-03 3.96E-03 4.92E-03 6.00E-03

Probabilistic results summary : RESRAD Default Parameters

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Summary of dose at graphical times, reptition 3

Time Years	Dose statistics at graphical times, mrem/yr							
	Minimum	Maximum	Mean	Median	90%	95%	97.5%	99%
0.00E+00	1.12E-06	5.28E-01	1.85E-02	1.13E-02	2.82E-02	6.01E-02	9.16E-02	1.87E-01
1.00E+00	1.29E-06	3.69E-01	1.67E-02	1.12E-02	2.63E-02	5.13E-02	8.19E-02	1.56E-01
1.06E+00	1.30E-06	3.62E-01	1.66E-02	1.12E-02	2.62E-02	5.12E-02	8.18E-02	1.54E-01
1.12E+00	1.31E-06	3.54E-01	1.65E-02	1.12E-02	2.62E-02	5.12E-02	8.17E-02	1.52E-01
1.19E+00	1.32E-06	3.46E-01	1.65E-02	1.12E-02	2.62E-02	5.11E-02	8.16E-02	1.50E-01
1.25E+00	1.33E-06	3.38E-01	1.64E-02	1.12E-02	2.62E-02	5.10E-02	8.15E-02	1.48E-01
1.33E+00	1.34E-06	3.30E-01	1.63E-02	1.12E-02	2.59E-02	5.09E-02	8.14E-02	1.46E-01
1.40E+00	1.36E-06	3.22E-01	1.62E-02	1.12E-02	2.58E-02	5.09E-02	8.07E-02	1.44E-01
1.49E+00	1.37E-06	3.13E-01	1.61E-02	1.11E-02	2.57E-02	5.08E-02	7.97E-02	1.42E-01
1.57E+00	1.39E-06	3.04E-01	1.60E-02	1.11E-02	2.56E-02	5.07E-02	7.87E-02	1.36E-01
1.66E+00	1.40E-06	2.95E-01	1.59E-02	1.11E-02	2.56E-02	5.06E-02	7.76E-02	1.30E-01
1.76E+00	1.42E-06	2.86E-01	1.58E-02	1.11E-02	2.55E-02	5.04E-02	7.65E-02	1.25E-01
1.86E+00	1.44E-06	2.77E-01	1.58E-02	1.11E-02	2.51E-02	5.03E-02	7.59E-02	1.19E-01
1.97E+00	1.45E-06	2.68E-01	1.57E-02	1.11E-02	2.48E-02	5.00E-02	7.55E-02	1.13E-01
2.09E+00	1.47E-06	2.58E-01	1.56E-02	1.11E-02	2.47E-02	4.95E-02	7.50E-02	1.07E-01
2.21E+00	1.49E-06	2.49E-01	1.55E-02	1.11E-02	2.42E-02	4.89E-02	7.46E-02	1.02E-01
2.24E+00	1.52E-06	2.40E-01	1.54E-02	1.11E-02	2.36E-02	4.83E-02	7.41E-02	9.81E-02
2.27E+00	1.54E-06	2.30E-01	1.53E-02	1.11E-02	2.33E-02	4.76E-02	7.36E-02	9.74E-02
2.26E+00	1.56E-06	2.21E-01	1.51E-02	1.11E-02	2.34E-02	4.70E-02	7.30E-02	9.67E-02
2.27E+00	1.59E-06	2.12E-01	1.50E-02	1.11E-02	2.34E-02	4.63E-02	7.25E-02	9.60E-02
2.29E+00	1.62E-06	2.02E-01	1.49E-02	1.11E-02	2.36E-02	4.60E-02	7.18E-02	9.52E-02
3.00E+00	1.63E-06	1.99E-01	1.49E-02	1.11E-02	2.38E-02	4.59E-02	7.05E-02	9.49E-02
3.31E+00	1.65E-06	1.93E-01	1.48E-02	1.11E-02	2.42E-02	4.57E-02	6.86E-02	9.44E-02
3.32E+00	1.68E-06	1.85E-01	1.47E-02	1.11E-02	2.44E-02	4.55E-02	6.55E-02	9.36E-02
3.48E+00	1.71E-06	1.76E-01	1.46E-02	1.11E-02	2.45E-02	4.53E-02	6.31E-02	9.27E-02
3.68E+00	1.75E-06	1.68E-01	1.45E-02	1.11E-02	2.44E-02	4.51E-02	6.20E-02	9.17E-02
3.89E+00	1.78E-06	1.60E-01	1.44E-02	1.11E-02	2.43E-02	4.48E-02	6.14E-02	9.08E-02
4.12E+00	1.82E-06	1.52E-01	1.43E-02	1.10E-02	2.42E-02	4.29E-02	6.07E-02	8.97E-02
4.36E+00	1.86E-06	1.44E-01	1.42E-02	1.10E-02	2.41E-02	4.16E-02	6.01E-02	8.86E-02
4.61E+00	1.91E-06	1.37E-01	1.41E-02	1.11E-02	2.40E-02	3.95E-02	5.94E-02	8.75E-02
4.88E+00	1.95E-06	1.31E-01	1.41E-02	1.11E-02	2.39E-02	3.79E-02	5.87E-02	8.64E-02
5.17E+00	2.00E-06	1.25E-01	1.40E-02	1.11E-02	2.41E-02	3.69E-02	5.80E-02	8.51E-02
5.47E+00	2.06E-06	1.19E-01	1.39E-02	1.10E-02	2.37E-02	4.01E-02	5.72E-02	8.39E-02
5.57E+00	2.11E-06	1.13E-01	1.38E-02	1.10E-02	2.36E-02	3.97E-02	5.64E-02	8.32E-02
6.12E+00	2.17E-06	1.09E-01	1.37E-02	1.10E-02	2.36E-02	3.92E-02	5.56E-02	8.28E-02
6.48E+00	2.23E-06	1.04E-01	1.36E-02	1.09E-02	2.36E-02	3.88E-02	5.48E-02	8.23E-02
6.86E+00	2.30E-06	1.00E-01	1.35E-02	1.09E-02	2.34E-02	3.85E-02	5.39E-02	8.18E-02
7.26E+00	2.37E-06	9.65E-02	1.34E-02	1.09E-02	2.25E-02	3.78E-02	5.20E-02	8.13E-02
7.68E+00	2.44E-06	9.70E-02	1.34E-02	1.08E-02	2.28E-02	3.75E-02	4.99E-02	8.09E-02
8.13E+00	2.52E-06	9.76E-02	1.33E-02	1.08E-02	2.25E-02	3.75E-02	4.75E-02	8.04E-02
8.60E+00	2.60E-06	9.83E-02	1.33E-02	1.08E-02	2.29E-02	4.01E-02	5.01E-02	7.99E-02
9.10E+00	2.69E-06	9.89E-02	1.33E-02	1.07E-02	2.27E-02	3.88E-02	4.90E-02	7.95E-02
9.63E+00	2.78E-06	9.95E-02	1.32E-02	1.07E-02	2.25E-02	3.73E-02	5.02E-02	7.90E-02
1.00E+01	2.85E-06	1.00E-01	1.31E-02	1.07E-02	2.24E-02	3.54E-02	4.77E-02	7.88E-02
1.02E+01	2.88E-06	1.00E-01	1.31E-02	1.07E-02	2.24E-02	3.47E-02	4.79E-02	7.86E-02
1.08E+01	2.99E-06	1.01E-01	1.29E-02	1.06E-02	2.21E-02	3.40E-02	4.85E-02	7.82E-02
1.14E+01	3.10E-06	1.01E-01	1.28E-02	1.05E-02	2.13E-02	3.28E-02	4.91E-02	7.93E-02
1.21E+01	3.22E-06	1.02E-01	1.26E-02	1.04E-02	2.12E-02	3.13E-02	4.76E-02	7.72E-02
1.28E+01	3.34E-06	1.03E-01	1.25E-02	1.03E-02	2.09E-02	2.97E-02	4.81E-02	7.67E-02
1.35E+01	2.74E-06	1.03E-01	1.24E-02	1.03E-02	2.09E-02	3.07E-02	4.86E-02	7.63E-02
1.43E+01	2.73E-06	1.04E-01	1.23E-02	1.02E-02	2.08E-02	3.06E-02	4.76E-02	7.59E-02
1.51E+01	2.73E-06	1.04E-01	1.23E-02	1.01E-02	2.07E-02	2.99E-02	4.66E-02	7.56E-02
1.60E+01	2.73E-06	1.05E-01	1.22E-02	1.01E-02	2.06E-02	2.92E-02	4.55E-02	7.53E-02
1.70E+01	2.72E-06	1.05E-01	1.22E-02	1.00E-02	2.06E-02	2.92E-02	4.43E-02	7.49E-02
1.80E+01	2.72E-06	1.06E-01	1.22E-02	9.99E-03	2.05E-02	2.97E-02	4.30E-02	7.46E-02
1.90E+01	2.72E-06	1.06E-01	1.21E-02	9.95E-03	2.03E-02	2.95E-02	4.14E-02	7.43E-02

2.01E+01 2.71E-06 1.07E-01 1.21E-02 9.85E-03 2.03E-02 3.04E-02 3.98E-02 7.66E-02

2.13E+01 2.71E-06 1.07E-01 1.21E-02 9.71E-03 2.07E-02 3.03E-02 3.94E-02 7.64E-02

2.25E+01 2.70E-06 1.07E-01 1.20E-02 9.68E-03 2.13E-02 3.06E-02 3.87E-02 7.62E-02

2.38E+01 2.70E-06 1.08E-01 1.20E-02 9.58E-03 2.16E-02 3.09E-02 3.79E-02 7.60E-02

2.52E+01 2.69E-06 1.08E-01 1.19E-02 9.58E-03 2.18E-02 3.07E-02 3.70E-02 7.59E-02

2.67E+01 2.69E-06 1.08E-01 1.19E-02 9.50E-03 2.12E-02 3.11E-02 3.66E-02 7.57E-02

2.82E+01 2.68E-06 1.08E-01 1.18E-02 9.40E-03 2.13E-02 3.15E-02 3.71E-02 7.55E-02

2.99E+01 2.67E-06 1.08E-01 1.17E-02 9.28E-03 2.19E-02 3.16E-02 3.76E-02 7.53E-02

3.00E+01 2.67E-06 1.08E-01 1.17E-02 9.28E-03 2.19E-02 3.16E-02 3.77E-02 7.53E-02

3.16E+01 2.67E-06 1.08E-01 1.16E-02 9.22E-03 2.21E-02 3.05E-02 3.82E-02 7.51E-02

3.35E+01 2.66E-06 1.08E-01 1.16E-02 9.05E-03 2.14E-02 2.94E-02 3.87E-02 7.49E-02

3.54E+01 2.65E-06 1.08E-01 1.15E-02 8.96E-03 2.16E-02 2.92E-02 3.92E-02 7.47E-02

3.75E+01 2.65E-06 1.08E-01 1.14E-02 8.87E-03 2.16E-02 2.92E-02 4.08E-02 7.45E-02

3.97E+01 2.64E-06 1.08E-01 1.14E-02 8.72E-03 2.20E-02 2.93E-02 4.31E-02 7.42E-02

4.20E+01 2.63E-06 1.08E-01 1.13E-02 8.63E-03 2.18E-02 2.93E-02 4.54E-02 7.40E-02

4.44E+01 2.62E-06 1.08E-01 1.11E-02 8.56E-03 2.07E-02 2.90E-02 4.76E-02 7.37E-02

4.70E+01 2.61E-06 1.07E-01 1.10E-02 8.48E-03 2.00E-02 2.81E-02 4.99E-02 7.35E-02

4.97E+01 2.60E-06 1.07E-01 1.09E-02 8.40E-03 2.00E-02 2.80E-02 5.21E-02 7.33E-02

5.26E+01 2.59E-06 1.45E-01 1.11E-02 8.21E-03 1.97E-02 2.87E-02 5.43E-02 7.54E-02

5.57E+01 2.58E-06 1.28E-01 1.10E-02 8.09E-03 1.89E-02 2.89E-02 5.51E-02 7.83E-02

5.90E+01 2.57E-06 1.09E-01 1.09E-02 8.06E-03 1.95E-02 2.88E-02 5.56E-02 8.13E-02

6.24E+01 2.56E-06 1.05E-01 1.08E-02 7.94E-03 2.04E-02 2.88E-02 5.61E-02 8.44E-02

6.0E+01 2.54E-06 1.04E-01 1.07E-02 7.98E-03 2.03E-02 2.87E-02 5.66E-02 7.24E-02

99E+01 2.51E-06 1.04E-01 1.07E-02 7.92E-03 2.06E-02 3.26E-02 5.12E-02 7.07E-02

7.39E+01 2.42E-06 1.03E-01 1.06E-02 7.79E-03 2.06E-02 3.35E-02 4.96E-02 7.02E-02

7.82E+01 2.30E-06 1.03E-01 1.05E-02 7.70E-03 2.06E-02 2.98E-02 4.98E-02 6.98E-02

8.28E+01 2.25E-06 1.02E-01 1.04E-02 7.57E-03 2.02E-02 3.03E-02 5.03E-02 6.93E-02

8.76E+01 2.23E-06 1.01E-01 1.01E-02 7.34E-03 1.99E-02 3.09E-02 5.08E-02 6.88E-02

9.27E+01 2.21E-06 1.00E-01 1.00E-02 7.24E-03 1.99E-02 3.15E-02 5.12E-02 6.83E-02

9.81E+01 2.19E-06 9.93E-02 1.00E-02 7.19E-03 2.02E-02 3.21E-02 5.16E-02 6.89E-02

1.00E+02 2.19E-06 9.90E-02 9.96E-03 7.13E-03 2.02E-02 3.23E-02 5.17E-02 6.94E-02

1.04E+02 2.17E-06 9.84E-02 9.91E-03 7.07E-03 2.02E-02 3.25E-02 5.23E-02 6.95E-02

1.10E+02 2.15E-06 9.75E-02 9.83E-03 6.89E-03 2.02E-02 3.29E-02 5.23E-02 7.02E-02

1.16E+02 1.60E-06 9.65E-02 9.74E-03 6.79E-03 2.02E-02 3.15E-02 5.26E-02 7.08E-02

1.23E+02 5.88E-07 9.54E-02 9.59E-03 6.61E-03 2.02E-02 3.10E-02 5.29E-02 6.72E-02

1.30E+02 5.42E-08 9.43E-02 9.42E-03 6.56E-03 1.95E-02 3.05E-02 5.16E-02 6.52E-02

1.38E+02 2.33E-11 9.32E-02 9.28E-03 6.40E-03 1.92E-02 3.00E-02 4.92E-02 6.40E-02

1.46E+02 2.28E-11 9.20E-02 9.13E-03 6.32E-03 1.89E-02 2.96E-02 4.59E-02 6.57E-02

1.54E+02 2.24E-11 9.08E-02 8.95E-03 6.11E-03 1.88E-02 2.91E-02 4.27E-02 6.28E-02

1.63E+02 2.20E-11 8.95E-02 8.80E-03 6.00E-03 1.83E-02 2.86E-02 3.99E-02 6.09E-02

1.73E+02 2.15E-11 8.42E-02 8.79E-03 5.88E-03 1.89E-02 3.31E-02 3.91E-02 6.00E-02

1.83E+02 2.10E-11 6.43E-02 8.45E-03 5.77E-03 1.83E-02 2.97E-02 3.87E-02 5.67E-02

1.94E+02 2.04E-11 6.09E-02 8.20E-03 5.65E-03 1.81E-02 2.69E-02 3.87E-02 5.59E-02

2.05E+02 1.98E-11 5.75E-02 7.99E-03 5.55E-03 1.77E-02 2.64E-02 3.69E-02 5.52E-02

2.17E+02 1.92E-11 5.62E-02 7.80E-03 5.41E-03 1.73E-02 2.58E-02 3.54E-02 5.31E-02

2.29E+02 1.86E-11 5.52E-02 7.69E-03 5.28E-03 1.70E-02 2.57E-02 3.38E-02 5.06E-02

2.43E+02 1.79E-11 5.42E-02 7.48E-03 5.10E-03 1.73E-02 2.56E-02 3.26E-02 4.72E-02

2.57E+02 1.72E-11 5.32E-02 7.25E-03 4.91E-03 1.68E-02 2.55E-02 3.19E-02 4.42E-02

2.72E+02 1.64E-11 5.22E-02 7.09E-03 4.66E-03 1.68E-02 2.62E-02 3.16E-02 4.88E-02

2.88E+02 1.56E-11 4.98E-02 6.73E-03 4.55E-03 1.55E-02 2.63E-02 3.09E-02 4.09E-02

3.00E+02 1.50E-11 4.89E-02 6.35E-03 4.20E-03 1.52E-02 2.23E-02 2.92E-02 3.77E-02

3.05E+02 1.47E-11 4.85E-02 6.25E-03 4.08E-03 1.45E-02 2.17E-02 2.89E-02 3.69E-02

3.22E+02 1.38E-11 4.72E-02 6.00E-03 3.87E-03 1.45E-02 2.26E-02 2.79E-02 3.40E-02

3.41E+02 1.29E-11 4.58E-02 5.68E-03 3.72E-03 1.40E-02 2.00E-02 2.69E-02 3.11E-02

3.61E+02 1.18E-11 4.44E-02 5.36E-03 3.34E-03 1.31E-02 1.84E-02 2.54E-02 2.93E-02

3.82E+02 1.08E-11 4.29E-02 4.99E-03 3.11E-03 1.22E-02 1.69E-02 2.38E-02 2.83E-02

4.04E+02 9.62E-12 4.14E-02 4.70E-03 2.86E-03 1.13E-02 1.65E-02 2.14E-02 2.72E-02

4.28E+02 8.40E-12 3.99E-02 4.35E-03 2.64E-03 1.08E-02 1.41E-02 1.93E-02 2.59E-02

4.53E+02 2.71E-12 3.83E-02 4.26E-03 2.53E-03 1.07E-02 1.57E-02 1.89E-02 3.10E-02

4.79E+02 1.97E-12 2.98E-02 3.78E-03 2.21E-03 9.88E-03 1.37E-02 1.61E-02 2.21E-02

5.07E+02 1.44E-12 2.84E-02 3.48E-03 2.05E-03 9.17E-03 1.22E-02 1.59E-02 2.12E-02

5.36E+02 1.11E-12 2.70E-02 3.20E-03 1.79E-03 8.43E-03 1.15E-02 1.42E-02 1.97E-02

5.68E+02 9.32E-13 2.84E-02 2.97E-03 1.64E-03 7.91E-03 1.10E-02 1.29E-02 1.53E-02

01E+02 8.25E-13 2.86E-02 2.67E-03 1.34E-03 7.02E-03 9.01E-03 1.19E-02 1.43E-02

6.36E+02 7.56E-13 2.78E-02 2.45E-03 1.16E-03 6.57E-03 7.81E-03 1.10E-02 1.69E-02

6.73E+02 4.01E-13 1.63E-02 2.16E-03 1.01E-03 5.62E-03 7.83E-03 1.04E-02 1.24E-02

7.12E+02 3.83E-13 1.53E-02 1.96E-03 8.94E-04 5.30E-03 6.82E-03 9.90E-03 1.14E-02

7.53E+02 2.85E-13 1.36E-02 1.75E-03 8.14E-04 4.61E-03 6.37E-03 8.92E-03 1.16E-02

7.97E+02 2.35E-13 1.25E-02 1.55E-03 7.15E-04 4.25E-03 5.95E-03 8.19E-03 9.54E-03

8.44E+02 2.18E-13 1.15E-02 1.38E-03 6.10E-04 4.02E-03 5.52E-03 7.19E-03 8.66E-03

93E+02 2.11E-13 1.26E-02 1.24E-03 5.14E-04 3.53E-03 5.02E-03 6.81E-03 7.82E-03

9.45E+02 1.98E-13 1.19E-02 1.08E-03 4.56E-04 3.07E-03 4.46E-03 6.17E-03 7.27E-03

1.00E+03 1.85E-13 8.34E-03 9.26E-04 3.71E-04 2.67E-03 4.14E-03 5.41E-03 6.21E-03

Probabilistic results summary : RESRAD Default Parameters

File : C:\USERS\DNF\DOCUMENTS\FT CALHOUN\RESRAD INPUT FILES\BFM INSITU UNCERTAINTY ANALYSIS\FCS BURIED PIPE INSITU UA AM-241.RAD

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

Repetition	Time of peak mean dose Years	Peak mean dose mrem/yr
1	0.000E+00	1.949E-02
2	0.000E+00	1.887E-02
3	0.000E+00	1.846E-02

Title : RESRAD Default Parameters
 Input File : FCS BURIED PIPE INSITU UA AM-241.RAD

Coefficients for peak All Pathways Dose

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

Description of Probabilistic Variable

	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Contaminated zone erosion rate	12	0.04	12	0.04	15	-0.04	15	-0.03
Contaminated zone b parameter	2	-0.10	2	-0.10	9	-0.10	9	-0.07
Evapotranspiration coefficient	15	0.02	15	0.02	12	0.06	12	0.04
Wind Speed	16	-0.01	16	-0.01	17	0.01	17	0.01
Runoff coefficient	10	-0.05	11	-0.05	13	-0.05	13	-0.03
b Parameter of Unsaturated zone 1	8	-0.06	8	-0.06	16	0.02	16	0.01
Mass loading for inhalation	6	0.07	6	0.07	7	0.12	7	0.09
Indoor dust filtration factor	17	-0.01	17	-0.01	14	0.04	14	0.03
Depth of soil mixing layer	11	0.05	10	0.05	10	-0.09	10	-0.07
Depth of roots	7	-0.07	7	-0.07	4	-0.24	4	-0.19
Wet weight crop yield of fruit, grain and non-leafy vegetables	14	-0.02	14	-0.02	11	-0.07	11	-0.06
Weathering removal constant of all vegetation	4	-0.09	4	-0.08	6	-0.13	6	-0.10
Wet foliar interception fraction of leafy vegetables	13	0.04	13	0.03	18	-0.01	18	-0.01
Humidity in air	18	-0.01	18	-0.01	8	-0.10	8	-0.08
Cover erosion rate	5	0.09	5	0.08	2	0.37	2	0.31
Kd of Am-241 in Contaminated Zone	3	-0.09	3	-0.09	1	-0.46	1	-0.40
Kd of Am-241 in Saturated Zone	9	-0.06	9	-0.06	5	-0.16	5	-0.13
Well pump intake depth	1	-0.22	1	-0.21	3	-0.34	3	-0.27

R-SQUARE 0.10 0.10 0.42 0.42

-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 AM-241.RAD

Coefficients for peak All Pathways Dose

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

Description of Probabilistic Variable

	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Contaminated zone erosion rate	12	-0.03	12	-0.03	13	-0.05	13	-0.04
Contaminated zone b parameter	6	0.05	6	0.05	8	-0.08	9	-0.06
Evapotranspiration coefficient	16	0.01	16	0.01	7	0.08	7	0.06
Wind Speed	3	0.10	3	0.09	10	0.08	10	0.05
Runoff coefficient	11	0.03	11	0.03	14	0.05	14	0.03
b Parameter of Unsaturated zone 1	18	-0.01	18	-0.01	9	0.08	8	0.06
Mass loading for inhalation	10	0.03	10	0.03	6	-0.13	6	-0.09
Indoor dust filtration factor	5	0.06	5	0.06	16	-0.02	16	-0.02
Depth of soil mixing layer	9	0.03	9	0.03	17	-0.02	17	-0.01
Depth of roots	4	-0.07	4	-0.07	5	-0.27	5	-0.20
Wet weight crop yield of fruit, grain and non-leafy vegetables	15	-0.01	15	-0.01	18	-0.02	18	-0.01
Weathering removal constant of all vegetation	8	0.04	8	0.04	11	0.05	11	0.04
Wet foliar interception fraction of leafy vegetables	17	0.01	17	0.01	15	0.04	15	0.03
Humidity in air	13	0.02	13	0.02	12	-0.05	12	-0.04
Cover erosion rate	1	0.22	1	0.22	2	0.46	2	0.37
Kd of Am-241 in Contaminated Zone	7	-0.05	7	-0.05	1	-0.50	1	-0.41
Kd of Am-241 in Saturated Zone	14	-0.02	14	-0.02	4	-0.32	4	-0.24
Well pump intake depth	2	-0.16	2	-0.16	3	-0.41	3	-0.32

R-SQUARE 0.10 0.10 0.51 0.51

-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 AM-241.RAD

Coefficients for peak All Pathways Dose

Coefficient =	PCC	SRC	PRCC	SRRC
Repetition =	3	3	3	3

Description of Probabilistic Variable

	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Contaminated zone erosion rate	13	-0.02	12	-0.02	9	0.04	9	0.03
Contaminated zone b parameter	12	-0.02	13	-0.02	12	0.02	12	0.02
Evapotranspiration coefficient	6	-0.06	6	-0.06	16	0.01	16	0.01
Wind Speed	3	-0.11	3	-0.11	7	-0.06	7	-0.05
Runoff coefficient	10	0.03	10	0.03	17	-0.01	17	-0.01
b Parameter of Unsaturated zone 1	11	-0.03	11	-0.02	14	-0.02	14	-0.01
Mass loading for inhalation	16	0.01	16	0.01	8	0.05	8	0.04
Indoor dust filtration factor	8	-0.03	8	-0.03	11	0.03	11	0.02
Depth of soil mixing layer	2	-0.12	2	-0.11	6	-0.10	6	-0.07
Depth of roots	4	-0.10	4	-0.10	4	-0.28	4	-0.22
Wet weight crop yield of fruit, grain and non-leafy vegetables	15	-0.01	15	-0.01	13	-0.02	13	-0.02
Weathering removal constant of all vegetation	9	-0.03	9	-0.03	15	0.02	15	0.01
Wet foliar interception fraction of leafy vegetables	18	0.00	18	0.00	18	0.00	18	0.00
Humidity in air	17	-0.01	17	-0.01	10	-0.04	10	-0.03
Cover erosion rate	5	0.08	5	0.08	1	0.47	1	0.40
Kd of Am-241 in Contaminated Zone	14	-0.02	14	-0.01	2	-0.45	2	-0.38
Kd of Am-241 in Saturated Zone	7	-0.05	7	-0.05	5	-0.22	5	-0.17
Well pump intake depth	1	-0.24	1	-0.23	3	-0.35	3	-0.28

R-SQUARE 0.10 0.10 0.45 0.45

-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.