

Probabilistic results summary : RESRAD Default Parameters

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Probabilistic Input

Number of Sample Runs: 1500

Number	Name	Distribution	Parameters																	
1	VCZ	CONTINUOUS LOGARITHMIC4	5.E-8	0	.0007	.22	.005	.95	.2	1										
2	BCZ	BOUNDED LOGNORMAL-N	1.28	.334	1.28	10.1														
3	EVAPTR	UNIFORM	.5	.99																
4	WIND	UNIFORM	2.8	4.7																
5	RUNOFF	UNIFORM	.1	.8																
6	BUZ(1)	BOUNDED LOGNORMAL-N	1.28	.334	1.28	10.1														
7	MLINH	CONTINUOUS LINEAR	8	0	0	.000008	.0151	.000016	.1365	.00003	.8119	.00004	.9495	.00006	.9937	.000076	.9983	.0001	1	
8	SHF3	UNIFORM	.15	.95																
9	DM	TRIANGULAR	0	.15	.6															
10	DROOT	UNIFORM	.3	4																
11	YV(1)	TRUNCATED LOGNORMAL-N	.56	.48	.001	.999														
12	WLAM	TRIANGULAR	5.1	18	84															
13	RWET(2)	TRIANGULAR	.06	.67	.95															
14	HUMID	TRUNCATED LOGNORMAL-N	1.98	.334	.001	.999														
15	VCV	CONTINUOUS LOGARITHMIC4	5.E-8	0	.0007	.22	.005	.95	.2	1										
16	DCACTC(1)	LOGNORMAL-N	4.87	2.3																
17	DCACTS(1)	LOGNORMAL-N	4.87	2.3																
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
Ni-63										
Min	0.00E+00	5.88E-09	1.71E-09	1.80E-09	1.98E-09	2.55E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	8.81E+02	1.46E-03	1.09E-03	1.10E-03	1.28E-03	3.72E-04	3.36E-04	1.42E-04	7.72E-05	4.83E-07
Avg	1.61E+01	1.09E-04	9.59E-05	8.61E-05	7.92E-05	6.31E-05	4.13E-05	1.68E-05	2.58E-06	4.88E-09
Std	6.86E+01	8.30E-05	6.90E-05	6.65E-05	7.22E-05	5.56E-05	4.28E-05	2.37E-05	5.73E-06	2.59E-08
ALL										
Min	0.00E+00	5.88E-09	1.71E-09	1.80E-09	1.98E-09	2.55E-09	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	8.81E+02	1.46E-03	1.09E-03	1.10E-03	1.28E-03	3.72E-04	3.36E-04	1.42E-04	7.72E-05	4.83E-07
Avg	1.61E+01	1.09E-04	9.59E-05	8.61E-05	7.92E-05	6.31E-05	4.13E-05	1.68E-05	2.58E-06	4.88E-09
Std	6.86E+01	8.30E-05	6.90E-05	6.65E-05	7.22E-05	5.56E-05	4.28E-05	2.37E-05	5.73E-06	2.59E-08

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
Ni-63								
Min	6.25E-14	6.59E-14	7.25E-14	9.40E-14	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	8.01E-08	3.54E-08	5.86E-08	1.47E-08	1.67E-08	7.02E-09	3.83E-09	2.40E-11
Avg	5.22E-09	4.25E-09	3.84E-09	3.03E-09	1.98E-09	8.11E-10	1.25E-10	2.38E-13
Std	5.18E-09	2.99E-09	3.29E-09	2.65E-09	2.10E-09	1.18E-09	2.84E-10	1.28E-12
ALL								
Min	6.25E-14	6.59E-14	7.25E-14	9.40E-14	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	8.01E-08	3.54E-08	5.86E-08	1.47E-08	1.67E-08	7.02E-09	3.83E-09	2.40E-11
Avg	5.22E-09	4.25E-09	3.84E-09	3.03E-09	1.98E-09	8.11E-10	1.25E-10	2.38E-13
Std	5.18E-09	2.99E-09	3.29E-09	2.65E-09	2.10E-09	1.18E-09	2.84E-10	1.28E-12

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
Ni-63								
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.

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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
Ni-63								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	9.17E-12	9.93E-09	8.05E-09	8.12E-09	1.87E-09	1.25E-11
Avg	0.00E+00	0.00E+00	6.11E-15	3.19E-11	2.24E-11	1.61E-11	1.52E-11	7.74E-14
Std	0.00E+00	0.00E+00	2.37E-13	3.91E-10	3.45E-10	2.77E-10	1.03E-10	6.32E-13
ALL								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	9.17E-12	9.93E-09	8.05E-09	8.12E-09	1.87E-09	1.25E-11
Avg	0.00E+00	0.00E+00	6.11E-15	3.19E-11	2.24E-11	1.61E-11	1.52E-11	7.74E-14
Std	0.00E+00	0.00E+00	2.37E-13	3.91E-10	3.45E-10	2.77E-10	1.03E-10	6.32E-13

ALL is total pathway dose summed for all nuclides.

Probabilistic results summary : RESRAD Default Parameters

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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/>								
Ni-63								
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
Ni-63								
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	1.58E-04	1.56E-04	1.97E-04	1.73E-04	2.08E-04	1.01E-04	5.03E-05	3.32E-07
Avg	5.72E-05	5.20E-05	4.66E-05	3.63E-05	2.41E-05	1.03E-05	1.60E-06	2.83E-09
Std	4.01E-05	3.97E-05	3.93E-05	3.63E-05	3.03E-05	1.70E-05	3.90E-06	1.61E-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	1.58E-04	1.56E-04	1.97E-04	1.73E-04	2.08E-04	1.01E-04	5.03E-05	3.32E-07
Avg	5.72E-05	5.20E-05	4.66E-05	3.63E-05	2.41E-05	1.03E-05	1.60E-06	2.83E-09
Std	4.01E-05	3.97E-05	3.93E-05	3.63E-05	3.03E-05	1.70E-05	3.90E-06	1.61E-08

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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
Ni-63								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	2.10E-06	2.09E-06	2.63E-06	6.29E-06	6.09E-06	2.45E-06	1.18E-06	1.66E-08
Avg	7.77E-07	7.01E-07	6.26E-07	5.02E-07	3.34E-07	1.43E-07	2.85E-08	7.86E-11
Std	5.37E-07	5.30E-07	5.25E-07	5.25E-07	4.59E-07	2.47E-07	8.19E-08	5.77E-10
ALL								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	2.10E-06	2.09E-06	2.63E-06	6.29E-06	6.09E-06	2.45E-06	1.18E-06	1.66E-08
Avg	7.77E-07	7.01E-07	6.26E-07	5.02E-07	3.34E-07	1.43E-07	2.85E-08	7.86E-11
Std	5.37E-07	5.30E-07	5.25E-07	5.25E-07	4.59E-07	2.47E-07	8.19E-08	5.77E-10

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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
Ni-63								
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	6.06E-05	6.00E-05	7.55E-05	1.15E-04	1.21E-04	4.49E-05	2.56E-05	2.41E-07
Avg	2.22E-05	2.01E-05	1.80E-05	1.42E-05	9.40E-06	4.01E-06	7.03E-07	1.59E-09
Std	1.54E-05	1.52E-05	1.51E-05	1.43E-05	1.21E-05	6.67E-06	1.80E-06	9.98E-09
ALL								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	6.06E-05	6.00E-05	7.55E-05	1.15E-04	1.21E-04	4.49E-05	2.56E-05	2.41E-07
Avg	2.22E-05	2.01E-05	1.80E-05	1.42E-05	9.40E-06	4.01E-06	7.03E-07	1.59E-09
Std	1.54E-05	1.52E-05	1.51E-05	1.43E-05	1.21E-05	6.67E-06	1.80E-06	9.98E-09

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Probabilistic Dose vs Pathway(i): Soil Ingestion

Nuclide	DOSE(i,j,t), mrem/yr							
	t= 0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
Ni-63								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	1.46E-09	1.23E-06	1.03E-06	6.65E-07	2.38E-07	4.46E-09
Avg	0.00E+00	0.00E+00	9.71E-13	4.80E-09	3.83E-09	1.73E-09	2.23E-09	1.27E-11
Std	0.00E+00	0.00E+00	3.76E-11	4.96E-08	5.20E-08	2.61E-08	1.40E-08	1.38E-10
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	1.46E-09	1.23E-06	1.03E-06	6.65E-07	2.38E-07	4.46E-09
Avg	0.00E+00	0.00E+00	9.71E-13	4.80E-09	3.83E-09	1.73E-09	2.23E-09	1.27E-11
Std	0.00E+00	0.00E+00	3.76E-11	4.96E-08	5.20E-08	2.61E-08	1.40E-08	1.38E-10

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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
Ni-63								
Min	6.37E-10	6.52E-10	6.80E-10	7.72E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	8.58E-04	7.74E-04	9.15E-04	2.92E-04	1.28E-04	2.30E-05	1.87E-06	3.63E-09
Avg	1.19E-05	1.01E-05	1.06E-05	9.23E-06	5.69E-06	1.83E-06	1.85E-07	2.83E-10
Std	3.62E-05	3.29E-05	4.08E-05	2.52E-05	1.18E-05	2.80E-06	2.70E-07	5.18E-10
ALL								
Min	6.37E-10	6.52E-10	6.80E-10	7.72E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	8.58E-04	7.74E-04	9.15E-04	2.92E-04	1.28E-04	2.30E-05	1.87E-06	3.63E-09
Avg	1.19E-05	1.01E-05	1.06E-05	9.23E-06	5.69E-06	1.83E-06	1.85E-07	2.83E-10
Std	3.62E-05	3.29E-05	4.08E-05	2.52E-05	1.18E-05	2.80E-06	2.70E-07	5.18E-10

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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
Ni-63								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ALL								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

ALL is total pathway dose summed for all nuclides.

Probabilistic results summary : RESRAD Default Parameters

File : C:\USERS\DNF\DOCUMENTS\FT CALHOUN\RESRAD INPUT FILES\BP INSITU UA\FCS BURIED PIPE INSITU UA NI-63.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
Ni-63								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ALL								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

ALL is total pathway dose summed for all nuclides.

Probabilistic results summary : RESRAD Default Parameters

File : C:\USERS\DNF\DOCUMENTS\FT CALHOUN\RESRAD INPUT FILES\BP INSITU UA\FCS BURIED PIPE INSITU UA NI-63.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
Ni-63								
Min	7.92E-11	8.34E-11	9.15E-11	1.03E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	4.42E-05	8.23E-05	9.84E-05	4.09E-05	1.48E-05	5.35E-06	3.42E-07	7.08E-10
Avg	1.05E-06	9.20E-07	9.74E-07	8.43E-07	5.21E-07	1.77E-07	1.79E-08	2.60E-11
Std	2.84E-06	3.21E-06	4.01E-06	2.50E-06	1.14E-06	3.47E-07	3.23E-08	5.63E-11
ALL								
Min	7.92E-11	8.34E-11	9.15E-11	1.03E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	4.42E-05	8.23E-05	9.84E-05	4.09E-05	1.48E-05	5.35E-06	3.42E-07	7.08E-10
Avg	1.05E-06	9.20E-07	9.74E-07	8.43E-07	5.21E-07	1.77E-07	1.79E-08	2.60E-11
Std	2.84E-06	3.21E-06	4.01E-06	2.50E-06	1.14E-06	3.47E-07	3.23E-08	5.63E-11

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 NI-63.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
Ni-63								
Min	9.07E-12	9.28E-12	9.69E-12	1.10E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	8.53E-06	8.75E-06	1.12E-05	3.32E-06	1.47E-06	2.51E-07	2.27E-08	4.34E-11
Avg	1.34E-07	1.09E-07	1.16E-07	1.01E-07	6.20E-08	2.01E-08	2.03E-09	3.09E-12
Std	3.96E-07	3.56E-07	4.56E-07	2.78E-07	1.28E-07	3.09E-08	3.02E-09	5.73E-12
ALL								
Min	9.07E-12	9.28E-12	9.69E-12	1.10E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	8.53E-06	8.75E-06	1.12E-05	3.32E-06	1.47E-06	2.51E-07	2.27E-08	4.34E-11
Avg	1.34E-07	1.09E-07	1.16E-07	1.01E-07	6.20E-08	2.01E-08	2.03E-09	3.09E-12
Std	3.96E-07	3.56E-07	4.56E-07	2.78E-07	1.28E-07	3.09E-08	3.02E-09	5.73E-12

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 NI-63.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
Ni-63								
Min	1.99E-10	2.03E-10	2.12E-10	2.41E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	1.46E-04	1.81E-04	2.26E-04	7.05E-05	2.97E-05	4.94E-06	4.79E-07	9.46E-10
Avg	2.59E-06	2.15E-06	2.28E-06	1.98E-06	1.22E-06	3.98E-07	4.03E-08	6.09E-11
Std	7.42E-06	7.16E-06	9.08E-06	5.52E-06	2.53E-06	6.20E-07	6.09E-08	1.15E-10
ALL								
Min	1.99E-10	2.03E-10	2.12E-10	2.41E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	1.46E-04	1.81E-04	2.26E-04	7.05E-05	2.97E-05	4.94E-06	4.79E-07	9.46E-10
Avg	2.59E-06	2.15E-06	2.28E-06	1.98E-06	1.22E-06	3.98E-07	4.03E-08	6.09E-11
Std	7.42E-06	7.16E-06	9.08E-06	5.52E-06	2.53E-06	6.20E-07	6.09E-08	1.15E-10

ALL is total pathway dose summed for all nuclides.

Probabilistic results summary : RESRAD Default Parameters

File : C:\USERS\DNF\DOCUMENTS\FT CALHOUN\RESRAD INPUT FILES\BP INSITU UA\FCS BURIED PIPE INSITU UA NI-63.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	1.09E-07	1.32E-07	1.30E-07	1.30E-07	6.34E-08	4.53E-19	0.00E+00	0.00E+00
0.050	4.07E-07	5.33E-07	4.26E-07	3.41E-07	2.04E-07	1.34E-09	0.00E+00	0.00E+00
0.075	1.02E-06	1.12E-06	1.05E-06	6.80E-07	3.63E-07	2.60E-08	1.87E-27	0.00E+00
0.100	1.92E-06	2.15E-06	1.74E-06	1.13E-06	5.43E-07	6.32E-08	1.09E-16	0.00E+00
0.125	4.62E-06	4.18E-06	3.38E-06	1.73E-06	8.53E-07	1.22E-07	1.29E-12	0.00E+00
0.150	8.69E-06	6.92E-06	5.04E-06	2.62E-06	1.21E-06	1.84E-07	8.51E-10	0.00E+00
0.175	2.11E-05	1.19E-05	7.87E-06	3.76E-06	1.67E-06	2.84E-07	3.45E-09	0.00E+00
0.200	4.52E-05	1.78E-05	1.18E-05	5.69E-06	2.20E-06	4.22E-07	7.43E-09	0.00E+00
0.225	6.35E-05	3.34E-05	1.66E-05	8.44E-06	2.93E-06	5.62E-07	1.40E-08	0.00E+00
0.250	6.61E-05	4.95E-05	2.42E-05	1.09E-05	4.06E-06	7.18E-07	2.49E-08	0.00E+00
0.275	6.83E-05	6.02E-05	3.53E-05	1.44E-05	5.03E-06	9.25E-07	3.46E-08	0.00E+00
0.300	7.04E-05	6.28E-05	4.48E-05	1.86E-05	6.85E-06	1.19E-06	4.52E-08	0.00E+00
0.325	7.25E-05	6.48E-05	5.29E-05	2.43E-05	8.36E-06	1.47E-06	6.71E-08	0.00E+00
0.350	7.48E-05	6.75E-05	5.95E-05	3.01E-05	9.90E-06	1.84E-06	8.94E-08	1.23E-23
0.375	7.71E-05	6.95E-05	6.22E-05	3.74E-05	1.24E-05	2.18E-06	1.09E-07	3.01E-18
0.400	7.97E-05	7.13E-05	6.45E-05	4.48E-05	1.44E-05	2.67E-06	1.34E-07	1.09E-14
0.425	8.20E-05	7.36E-05	6.65E-05	4.97E-05	1.72E-05	3.25E-06	1.65E-07	6.77E-13
0.450	8.42E-05	7.58E-05	6.88E-05	5.39E-05	2.11E-05	3.91E-06	1.96E-07	7.68E-12
0.475	8.72E-05	7.92E-05	7.04E-05	5.79E-05	2.56E-05	4.74E-06	2.32E-07	2.14E-11
0.500	8.97E-05	8.16E-05	7.31E-05	6.01E-05	3.05E-05	5.27E-06	2.76E-07	4.46E-11
0.525	9.30E-05	8.40E-05	7.65E-05	6.24E-05	3.57E-05	6.46E-06	3.24E-07	7.38E-11
0.550	9.66E-05	8.71E-05	7.95E-05	6.51E-05	3.90E-05	7.29E-06	3.77E-07	1.18E-10
0.575	9.97E-05	8.99E-05	8.23E-05	6.75E-05	4.32E-05	8.75E-06	4.47E-07	1.75E-10
0.600	1.03E-04	9.35E-05	8.53E-05	6.99E-05	4.77E-05	1.04E-05	5.35E-07	2.14E-10
0.625	1.07E-04	9.74E-05	8.91E-05	7.32E-05	5.00E-05	1.20E-05	6.43E-07	2.72E-10
0.650	1.11E-04	1.01E-04	9.20E-05	7.66E-05	5.23E-05	1.54E-05	7.72E-07	3.39E-10
0.675	1.15E-04	1.05E-04	9.58E-05	7.90E-05	5.48E-05	1.80E-05	9.02E-07	4.33E-10
0.700	1.21E-04	1.09E-04	9.89E-05	8.35E-05	5.78E-05	2.14E-05	1.14E-06	5.51E-10
0.725	1.26E-04	1.14E-04	1.03E-04	8.78E-05	6.16E-05	2.39E-05	1.41E-06	6.72E-10
0.750	1.32E-04	1.19E-04	1.08E-04	9.23E-05	6.50E-05	2.72E-05	1.80E-06	8.14E-10
0.775	1.37E-04	1.25E-04	1.15E-04	9.74E-05	6.87E-05	2.93E-05	2.55E-06	9.68E-10
0.800	1.43E-04	1.31E-04	1.22E-04	1.03E-04	7.34E-05	3.13E-05	3.65E-06	1.11E-09
0.825	1.51E-04	1.38E-04	1.30E-04	1.11E-04	7.82E-05	3.33E-05	4.71E-06	1.33E-09
0.850	1.58E-04	1.45E-04	1.37E-04	1.17E-04	8.53E-05	3.66E-05	5.53E-06	1.67E-09
0.875	1.66E-04	1.54E-04	1.48E-04	1.29E-04	9.15E-05	4.06E-05	6.91E-06	2.24E-09
0.900	1.76E-04	1.64E-04	1.58E-04	1.40E-04	1.00E-04	4.95E-05	8.70E-06	3.75E-09
0.925	1.86E-04	1.74E-04	1.71E-04	1.52E-04	1.12E-04	5.90E-05	1.04E-05	8.42E-09
0.950	2.01E-04	1.90E-04	1.86E-04	1.66E-04	1.27E-04	6.85E-05	1.37E-05	1.93E-08
0.975	2.18E-04	2.09E-04	2.05E-04	1.91E-04	1.45E-04	8.47E-05	1.97E-05	5.37E-08
1.000	1.09E-03	1.10E-03	1.28E-03	3.72E-04	3.36E-04	1.42E-04	7.72E-05	4.83E-07

Probabilistic results summary : RESRAD Default Parameters

File : C:\USERS\DNF\DOCUMENTS\FT CALHOUN\RESRAD INPUT FILES\BP INSITU UA\FCS BURIED PIPE INSITU UA NI-63.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	2.54E-09	4.54E-04	9.53E-05	8.79E-05	1.75E-04	2.04E-04	2.23E-04	2.70E-04
1.00E+00	2.73E-09	5.18E-04	8.59E-05	8.06E-05	1.68E-04	1.92E-04	2.14E-04	2.92E-04
1.06E+00	2.74E-09	5.28E-04	8.56E-05	8.03E-05	1.67E-04	1.92E-04	2.14E-04	2.98E-04
1.12E+00	2.75E-09	5.39E-04	8.53E-05	7.99E-05	1.66E-04	1.91E-04	2.14E-04	3.01E-04
1.19E+00	2.76E-09	5.51E-04	8.51E-05	7.95E-05	1.65E-04	1.91E-04	2.14E-04	3.05E-04
1.25E+00	2.77E-09	5.63E-04	8.48E-05	7.92E-05	1.65E-04	1.91E-04	2.13E-04	3.08E-04
1.33E+00	2.79E-09	5.75E-04	8.44E-05	7.90E-05	1.65E-04	1.91E-04	2.13E-04	3.12E-04
1.40E+00	2.80E-09	5.87E-04	8.41E-05	7.88E-05	1.65E-04	1.91E-04	2.13E-04	3.15E-04
1.49E+00	2.82E-09	6.00E-04	8.38E-05	7.87E-05	1.64E-04	1.91E-04	2.12E-04	3.19E-04
1.57E+00	2.83E-09	6.14E-04	8.35E-05	7.79E-05	1.64E-04	1.91E-04	2.12E-04	3.23E-04
1.66E+00	2.85E-09	6.27E-04	8.32E-05	7.75E-05	1.63E-04	1.90E-04	2.11E-04	3.27E-04
1.76E+00	2.87E-09	6.41E-04	8.28E-05	7.73E-05	1.63E-04	1.90E-04	2.11E-04	3.31E-04
1.86E+00	2.89E-09	6.56E-04	8.25E-05	7.72E-05	1.63E-04	1.89E-04	2.12E-04	3.28E-04
1.97E+00	2.91E-09	6.70E-04	8.21E-05	7.71E-05	1.63E-04	1.89E-04	2.13E-04	3.23E-04
2.09E+00	2.93E-09	6.85E-04	8.17E-05	7.59E-05	1.63E-04	1.88E-04	2.13E-04	3.16E-04
2.21E+00	2.95E-09	7.00E-04	8.13E-05	7.54E-05	1.63E-04	1.88E-04	2.12E-04	3.08E-04
2.24E+00	2.98E-09	7.16E-04	8.09E-05	7.46E-05	1.63E-04	1.88E-04	2.12E-04	3.00E-04
2.27E+00	3.00E-09	7.31E-04	8.05E-05	7.43E-05	1.63E-04	1.87E-04	2.12E-04	2.91E-04
2.26E+00	3.03E-09	7.47E-04	8.01E-05	7.38E-05	1.63E-04	1.87E-04	2.11E-04	2.83E-04
2.27E+00	3.06E-09	7.63E-04	7.96E-05	7.28E-05	1.63E-04	1.87E-04	2.11E-04	2.83E-04
2.29E+00	3.09E-09	7.78E-04	7.92E-05	7.23E-05	1.63E-04	1.87E-04	2.11E-04	2.83E-04
3.00E+00	3.10E-09	7.85E-04	7.90E-05	7.18E-05	1.63E-04	1.88E-04	2.10E-04	2.83E-04
3.31E+00	3.12E-09	7.92E-04	7.87E-05	7.15E-05	1.62E-04	1.88E-04	2.08E-04	2.83E-04
3.32E+00	3.15E-09	8.02E-04	7.84E-05	7.10E-05	1.64E-04	1.87E-04	2.08E-04	2.83E-04
3.48E+00	3.19E-09	7.93E-04	7.81E-05	7.05E-05	1.64E-04	1.89E-04	2.09E-04	2.83E-04
3.68E+00	3.22E-09	7.73E-04	7.78E-05	7.00E-05	1.63E-04	1.88E-04	2.10E-04	3.49E-04
3.89E+00	3.26E-09	7.39E-04	7.74E-05	6.97E-05	1.63E-04	1.85E-04	2.09E-04	3.80E-04
4.12E+00	3.30E-09	6.90E-04	7.70E-05	6.88E-05	1.62E-04	1.85E-04	2.08E-04	3.81E-04
4.36E+00	3.35E-09	6.38E-04	7.63E-05	6.83E-05	1.61E-04	1.85E-04	2.07E-04	3.81E-04
4.61E+00	3.39E-09	6.18E-04	7.57E-05	6.78E-05	1.61E-04	1.84E-04	2.06E-04	3.81E-04
4.88E+00	3.44E-09	6.21E-04	7.50E-05	6.74E-05	1.60E-04	1.84E-04	2.06E-04	3.81E-04
5.17E+00	3.49E-09	6.11E-04	7.42E-05	6.67E-05	1.60E-04	1.83E-04	2.05E-04	3.81E-04
5.47E+00	3.54E-09	5.91E-04	7.34E-05	6.61E-05	1.58E-04	1.81E-04	2.04E-04	3.80E-04
5.78E+00	3.60E-09	5.64E-04	7.26E-05	6.55E-05	1.58E-04	1.79E-04	2.04E-04	3.80E-04
6.12E+00	3.66E-09	5.32E-04	7.18E-05	6.49E-05	1.57E-04	1.78E-04	2.03E-04	3.57E-04
6.48E+00	3.72E-09	4.99E-04	7.09E-05	6.45E-05	1.56E-04	1.76E-04	2.02E-04	3.18E-04
6.86E+00	3.78E-09	4.64E-04	7.00E-05	6.33E-05	1.54E-04	1.76E-04	2.03E-04	2.81E-04
7.26E+00	3.85E-09	4.29E-04	6.90E-05	6.26E-05	1.53E-04	1.75E-04	2.03E-04	2.80E-04
7.68E+00	3.93E-09	3.93E-04	6.80E-05	6.22E-05	1.52E-04	1.74E-04	2.02E-04	2.79E-04
8.13E+00	4.00E-09	3.76E-04	6.71E-05	6.14E-05	1.51E-04	1.73E-04	2.00E-04	2.49E-04
8.60E+00	4.08E-09	3.75E-04	6.61E-05	6.06E-05	1.50E-04	1.70E-04	1.99E-04	2.28E-04
9.10E+00	4.17E-09	3.74E-04	6.51E-05	6.00E-05	1.48E-04	1.70E-04	1.94E-04	2.27E-04
9.63E+00	4.25E-09	3.73E-04	6.41E-05	5.92E-05	1.45E-04	1.70E-04	1.92E-04	2.26E-04
1.00E+01	4.31E-09	3.72E-04	6.34E-05	5.81E-05	1.44E-04	1.70E-04	1.92E-04	2.18E-04
1.02E+01	4.35E-09	3.72E-04	6.31E-05	5.77E-05	1.43E-04	1.68E-04	1.92E-04	2.12E-04
1.08E+01	4.44E-09	3.72E-04	6.21E-05	5.71E-05	1.43E-04	1.66E-04	1.89E-04	2.12E-04
1.14E+01	4.54E-09	3.71E-04	6.11E-05	5.58E-05	1.42E-04	1.64E-04	1.89E-04	2.12E-04
1.21E+01	4.65E-09	3.70E-04	6.01E-05	5.37E-05	1.39E-04	1.64E-04	1.88E-04	2.12E-04
1.28E+01	4.76E-09	3.63E-04	5.91E-05	5.19E-05	1.38E-04	1.64E-04	1.87E-04	2.12E-04
1.35E+01	4.88E-09	3.61E-04	5.78E-05	4.98E-05	1.37E-04	1.66E-04	1.86E-04	2.11E-04
1.43E+01	5.00E-09	3.59E-04	5.63E-05	4.85E-05	1.36E-04	1.62E-04	1.83E-04	2.00E-04
1.51E+01	5.13E-09	3.57E-04	5.54E-05	4.79E-05	1.34E-04	1.59E-04	1.81E-04	1.99E-04
1.60E+01	5.26E-09	3.55E-04	5.43E-05	4.65E-05	1.31E-04	1.58E-04	1.77E-04	1.97E-04
1.70E+01	1.07E-10	3.52E-04	5.33E-05	4.54E-05	1.29E-04	1.55E-04	1.75E-04	1.91E-04
1.80E+01	1.01E-12	2.72E-04	5.21E-05	4.38E-05	1.27E-04	1.53E-04	1.73E-04	1.84E-04
1.90E+01	7.35E-15	2.58E-04	5.08E-05	4.17E-05	1.25E-04	1.51E-04	1.70E-04	1.82E-04

2.01E+01 4.00E-17 2.56E-04 4.96E-05 4.09E-05 1.22E-04 1.50E-04 1.68E-04 1.80E-04

2.13E+01 1.61E-19 2.52E-04 4.85E-05 3.88E-05 1.20E-04 1.47E-04 1.65E-04 1.78E-04

2.25E+01 4.68E-22 2.07E-04 4.72E-05 3.66E-05 1.18E-04 1.43E-04 1.60E-04 1.75E-04

2.38E+01 9.70E-25 2.05E-04 4.60E-05 3.64E-05 1.14E-04 1.37E-04 1.55E-04 1.73E-04

2.52E+01 1.40E-27 2.03E-04 4.49E-05 3.47E-05 1.11E-04 1.35E-04 1.53E-04 1.71E-04

2.67E+01 1.01E-30 1.83E-04 4.39E-05 3.27E-05 1.09E-04 1.33E-04 1.50E-04 1.68E-04

2.82E+01 0.00E+00 1.80E-04 4.29E-05 3.20E-05 1.08E-04 1.31E-04 1.48E-04 1.66E-04

2.99E+01 0.00E+00 1.78E-04 4.17E-05 3.01E-05 1.05E-04 1.29E-04 1.45E-04 1.62E-04

3.00E+01 0.00E+00 1.78E-04 4.16E-05 2.99E-05 1.05E-04 1.29E-04 1.45E-04 1.62E-04

3.16E+01 0.00E+00 1.76E-04 4.05E-05 2.69E-05 1.04E-04 1.30E-04 1.43E-04 1.61E-04

3.35E+01 0.00E+00 1.90E-04 3.94E-05 2.50E-05 1.02E-04 1.28E-04 1.44E-04 1.59E-04

3.54E+01 0.00E+00 1.87E-04 3.79E-05 2.37E-05 9.82E-05 1.25E-04 1.44E-04 1.57E-04

3.75E+01 0.00E+00 1.84E-04 3.66E-05 2.23E-05 9.63E-05 1.26E-04 1.41E-04 1.55E-04

3.97E+01 0.00E+00 1.81E-04 3.54E-05 2.06E-05 9.36E-05 1.23E-04 1.38E-04 1.53E-04

4.20E+01 0.00E+00 1.78E-04 3.43E-05 1.91E-05 9.06E-05 1.21E-04 1.34E-04 1.54E-04

4.44E+01 0.00E+00 1.74E-04 3.31E-05 1.74E-05 8.76E-05 1.16E-04 1.30E-04 1.60E-04

4.70E+01 0.00E+00 1.71E-04 3.19E-05 1.62E-05 8.45E-05 1.12E-04 1.27E-04 1.57E-04

4.97E+01 0.00E+00 1.67E-04 3.08E-05 1.48E-05 8.13E-05 1.09E-04 1.23E-04 1.53E-04

5.26E+01 0.00E+00 1.63E-04 2.96E-05 1.37E-05 7.91E-05 1.05E-04 1.20E-04 1.50E-04

5.57E+01 0.00E+00 1.59E-04 2.86E-05 1.26E-05 7.76E-05 1.03E-04 1.17E-04 1.47E-04

5.90E+01 0.00E+00 1.55E-04 2.75E-05 1.19E-05 7.74E-05 1.01E-04 1.14E-04 1.43E-04

6.24E+01 0.00E+00 1.51E-04 2.65E-05 1.10E-05 7.42E-05 9.89E-05 1.15E-04 1.44E-04

60E+01 0.00E+00 1.53E-04 2.54E-05 1.06E-05 7.15E-05 9.46E-05 1.11E-04 1.40E-04

6.99E+01 0.00E+00 1.49E-04 2.43E-05 1.03E-05 6.93E-05 9.11E-05 1.07E-04 1.36E-04

7.39E+01 0.00E+00 1.44E-04 2.33E-05 9.76E-06 6.76E-05 8.83E-05 1.05E-04 1.32E-04

7.82E+01 0.00E+00 1.66E-04 2.23E-05 8.89E-06 6.50E-05 8.49E-05 1.01E-04 1.28E-04

0.28E+01 0.00E+00 1.61E-04 2.13E-05 8.01E-06 6.27E-05 8.16E-05 9.71E-05 1.24E-04

8.76E+01 0.00E+00 1.55E-04 2.04E-05 7.42E-06 6.03E-05 8.15E-05 9.54E-05 1.23E-04

9.27E+01 0.00E+00 1.49E-04 1.93E-05 6.69E-06 5.75E-05 7.98E-05 9.13E-05 1.18E-04

9.81E+01 0.00E+00 1.43E-04 1.82E-05 5.98E-06 5.53E-05 7.60E-05 8.73E-05 1.13E-04

1.00E+02 0.00E+00 1.42E-04 1.78E-05 5.65E-06 5.39E-05 7.47E-05 8.56E-05 1.11E-04

1.04E+02 0.00E+00 1.38E-04 1.70E-05 5.21E-06 5.13E-05 7.15E-05 8.26E-05 1.08E-04

1.10E+02 0.00E+00 1.32E-04 1.61E-05 4.69E-06 5.00E-05 6.83E-05 7.89E-05 1.06E-04

1.16E+02 0.00E+00 1.26E-04 1.50E-05 4.48E-06 4.58E-05 6.44E-05 7.49E-05 1.01E-04

1.23E+02 0.00E+00 1.20E-04 1.40E-05 3.84E-06 4.27E-05 6.06E-05 7.10E-05 9.60E-05

1.30E+02 0.00E+00 1.13E-04 1.30E-05 3.38E-06 4.15E-05 5.68E-05 6.72E-05 9.00E-05

1.38E+02 0.00E+00 1.07E-04 1.21E-05 2.99E-06 3.88E-05 5.18E-05 6.33E-05 8.51E-05

1.46E+02 0.00E+00 1.01E-04 1.11E-05 2.73E-06 3.61E-05 4.81E-05 5.92E-05 8.01E-05

1.54E+02 0.00E+00 9.51E-05 1.02E-05 2.45E-06 3.34E-05 4.47E-05 5.53E-05 7.51E-05

1.63E+02 0.00E+00 8.91E-05 9.26E-06 2.11E-06 3.03E-05 4.12E-05 5.14E-05 7.02E-05

1.73E+02 0.00E+00 8.31E-05 8.39E-06 1.80E-06 2.74E-05 3.81E-05 4.77E-05 6.54E-05

1.83E+02 0.00E+00 7.72E-05 7.59E-06 1.63E-06 2.51E-05 3.49E-05 4.42E-05 6.06E-05

1.94E+02 0.00E+00 7.14E-05 6.98E-06 1.40E-06 2.28E-05 3.20E-05 4.18E-05 5.72E-05

2.05E+02 0.00E+00 9.27E-05 6.34E-06 1.11E-06 2.05E-05 2.90E-05 3.84E-05 5.27E-05

2.17E+02 0.00E+00 8.25E-05 5.65E-06 8.82E-07 1.81E-05 2.62E-05 3.45E-05 4.83E-05

2.29E+02 0.00E+00 7.62E-05 5.23E-06 7.87E-07 1.71E-05 2.42E-05 3.56E-05 4.86E-05

2.43E+02 0.00E+00 7.65E-05 4.73E-06 6.52E-07 1.55E-05 2.29E-05 3.40E-05 4.21E-05

2.57E+02 0.00E+00 6.83E-05 4.11E-06 5.40E-07 1.36E-05 1.93E-05 2.88E-05 3.85E-05

2.72E+02 0.00E+00 6.06E-05 3.56E-06 4.35E-07 1.16E-05 1.68E-05 2.76E-05 3.56E-05

2.88E+02 0.00E+00 5.35E-05 3.04E-06 3.58E-07 9.95E-06 1.49E-05 2.39E-05 3.11E-05

3.00E+02 0.00E+00 5.13E-05 2.73E-06 3.12E-07 9.16E-06 1.36E-05 2.22E-05 2.80E-05

3.05E+02 0.00E+00 4.95E-05 2.63E-06 2.87E-07 8.75E-06 1.32E-05 2.15E-05 2.70E-05

3.22E+02 0.00E+00 5.71E-05 2.26E-06 2.24E-07 7.51E-06 1.15E-05 1.90E-05 2.32E-05

3.41E+02 0.00E+00 4.95E-05 1.92E-06 1.78E-07 6.45E-06 9.76E-06 1.64E-05 2.01E-05

3.61E+02 0.00E+00 4.26E-05 1.54E-06 1.35E-07 5.16E-06 7.89E-06 1.31E-05 1.68E-05

3.82E+02 0.00E+00 3.64E-05 1.26E-06 1.08E-07 4.24E-06 6.56E-06 1.09E-05 1.44E-05

4.04E+02 0.00E+00 3.07E-05 9.78E-07 7.93E-08 3.38E-06 5.34E-06 8.84E-06 1.16E-05

4.28E+02 0.00E+00 2.87E-05 8.20E-07 6.12E-08 2.72E-06 4.68E-06 7.44E-06 1.18E-05

4.53E+02 0.00E+00 2.38E-05 6.43E-07 4.67E-08 2.09E-06 3.70E-06 5.60E-06 9.78E-06

4.79E+02 0.00E+00 1.26E-05 4.64E-07 3.14E-08 1.46E-06 2.94E-06 4.45E-06 6.81E-06

5.07E+02 0.00E+00 1.02E-05 3.30E-07 2.32E-08 9.16E-07 2.14E-06 2.77E-06 5.18E-06

5.36E+02 0.00E+00 6.00E-06 2.48E-07 1.36E-08 7.41E-07 1.64E-06 2.34E-06 3.96E-06

5.68E+02 0.00E+00 4.60E-06 1.81E-07 9.48E-09 4.56E-07 1.30E-06 1.76E-06 3.09E-06

0.01E+02 0.00E+00 3.48E-06 1.37E-07 6.06E-09 3.84E-07 1.01E-06 1.38E-06 2.33E-06

6.36E+02 0.00E+00 2.58E-06 1.01E-07 4.02E-09 2.72E-07 7.53E-07 1.07E-06 1.62E-06

6.73E+02 0.00E+00 1.93E-06 7.14E-08 2.82E-09 1.69E-07 5.34E-07 7.97E-07 1.24E-06

7.12E+02 0.00E+00 1.44E-06 4.87E-08 1.92E-09 1.10E-07 3.65E-07 5.76E-07 9.13E-07

7.53E+02 0.00E+00 1.06E-06 3.35E-08 1.16E-09 7.31E-08 2.14E-07 4.12E-07 6.71E-07

7.97E+02 0.00E+00 1.23E-06 2.74E-08 7.81E-10 5.24E-08 2.09E-07 2.99E-07 5.81E-07

8.44E+02 0.00E+00 9.01E-07 1.82E-08 4.84E-10 3.14E-08 1.06E-07 2.12E-07 4.13E-07

9.93E+02 0.00E+00 6.20E-07 1.24E-08 2.56E-10 1.98E-08 8.23E-08 1.47E-07 2.88E-07

9.45E+02 0.00E+00 4.17E-07 7.98E-09 1.08E-10 1.09E-08 4.68E-08 9.40E-08 1.97E-07

1.00E+03 0.00E+00 2.75E-07 4.89E-09 6.02E-11 5.19E-09 2.40E-08 5.60E-08 1.36E-07

Probabilistic results summary : RESRAD Default Parameters

File : C:\USERS\DNF\DOCUMENTS\FT CALHOUN\RESRAD INPUT FILES\BP INSITU UA\FCS BURIED PIPE INSITU UA NI-63.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	7.76E-09	6.41E-04	9.51E-05	9.00E-05	1.72E-04	2.01E-04	2.15E-04	2.52E-04
1.00E+00	7.87E-09	1.10E-03	8.62E-05	8.20E-05	1.63E-04	1.92E-04	2.09E-04	2.28E-04
1.06E+00	7.87E-09	1.13E-03	8.60E-05	8.19E-05	1.63E-04	1.92E-04	2.09E-04	2.27E-04
1.12E+00	7.88E-09	1.15E-03	8.58E-05	8.17E-05	1.63E-04	1.92E-04	2.09E-04	2.25E-04
1.19E+00	7.88E-09	1.17E-03	8.56E-05	8.18E-05	1.63E-04	1.92E-04	2.09E-04	2.24E-04
1.25E+00	7.89E-09	1.20E-03	8.54E-05	8.16E-05	1.63E-04	1.92E-04	2.09E-04	2.23E-04
1.33E+00	7.90E-09	1.22E-03	8.52E-05	8.16E-05	1.62E-04	1.92E-04	2.09E-04	2.26E-04
1.40E+00	7.91E-09	1.25E-03	8.49E-05	8.14E-05	1.62E-04	1.90E-04	2.08E-04	2.28E-04
1.49E+00	7.92E-09	1.28E-03	8.47E-05	8.10E-05	1.62E-04	1.88E-04	2.07E-04	2.28E-04
1.57E+00	7.92E-09	1.30E-03	8.45E-05	8.04E-05	1.63E-04	1.87E-04	2.06E-04	2.28E-04
1.66E+00	7.93E-09	1.33E-03	8.42E-05	8.01E-05	1.63E-04	1.89E-04	2.05E-04	2.27E-04
1.76E+00	7.94E-09	1.36E-03	8.40E-05	7.95E-05	1.62E-04	1.89E-04	2.08E-04	2.27E-04
1.86E+00	7.95E-09	1.39E-03	8.38E-05	7.87E-05	1.61E-04	1.91E-04	2.08E-04	2.37E-04
1.97E+00	7.96E-09	1.42E-03	8.35E-05	7.82E-05	1.62E-04	1.91E-04	2.07E-04	2.37E-04
2.09E+00	7.98E-09	1.44E-03	8.31E-05	7.77E-05	1.61E-04	1.90E-04	2.07E-04	2.37E-04
2.21E+00	7.99E-09	1.46E-03	8.28E-05	7.70E-05	1.61E-04	1.90E-04	2.07E-04	2.37E-04
2.24E+00	8.00E-09	1.46E-03	8.23E-05	7.63E-05	1.60E-04	1.88E-04	2.07E-04	2.37E-04
2.27E+00	8.01E-09	1.44E-03	8.19E-05	7.57E-05	1.59E-04	1.86E-04	2.07E-04	2.37E-04
2.26E+00	8.03E-09	1.42E-03	8.14E-05	7.47E-05	1.58E-04	1.86E-04	2.06E-04	2.37E-04
2.27E+00	8.04E-09	1.37E-03	8.08E-05	7.40E-05	1.58E-04	1.87E-04	2.06E-04	2.37E-04
2.29E+00	8.06E-09	1.31E-03	8.02E-05	7.38E-05	1.58E-04	1.87E-04	2.06E-04	2.40E-04
3.00E+00	8.07E-09	1.28E-03	8.00E-05	7.37E-05	1.58E-04	1.87E-04	2.06E-04	2.42E-04
3.10E+00	8.08E-09	1.24E-03	7.96E-05	7.35E-05	1.57E-04	1.89E-04	2.05E-04	2.46E-04
3.28E+00	8.09E-09	1.16E-03	7.89E-05	7.34E-05	1.56E-04	1.89E-04	2.05E-04	2.54E-04
3.48E+00	8.11E-09	1.09E-03	7.83E-05	7.33E-05	1.56E-04	1.89E-04	2.05E-04	2.61E-04
3.68E+00	8.13E-09	1.02E-03	7.77E-05	7.29E-05	1.55E-04	1.89E-04	2.04E-04	2.69E-04
3.89E+00	8.15E-09	9.49E-04	7.70E-05	7.26E-05	1.54E-04	1.88E-04	2.04E-04	2.72E-04
4.12E+00	8.18E-09	8.79E-04	7.64E-05	7.18E-05	1.54E-04	1.88E-04	2.05E-04	2.72E-04
4.36E+00	8.20E-09	8.11E-04	7.58E-05	7.10E-05	1.53E-04	1.87E-04	2.05E-04	2.73E-04
4.61E+00	8.22E-09	7.45E-04	7.51E-05	7.07E-05	1.52E-04	1.87E-04	2.06E-04	2.78E-04
4.88E+00	8.25E-09	6.80E-04	7.44E-05	7.06E-05	1.50E-04	1.86E-04	2.06E-04	2.83E-04
5.17E+00	8.28E-09	6.18E-04	7.38E-05	7.02E-05	1.49E-04	1.86E-04	2.06E-04	2.88E-04
5.47E+00	8.31E-09	5.59E-04	7.31E-05	6.91E-05	1.47E-04	1.86E-04	2.05E-04	2.87E-04
5.78E+00	8.34E-09	5.02E-04	7.24E-05	6.86E-05	1.46E-04	1.85E-04	2.05E-04	2.86E-04
6.12E+00	8.37E-09	4.48E-04	7.17E-05	6.78E-05	1.46E-04	1.85E-04	2.04E-04	2.85E-04
6.48E+00	8.40E-09	3.98E-04	7.09E-05	6.77E-05	1.47E-04	1.83E-04	2.04E-04	2.84E-04
6.86E+00	8.43E-09	3.50E-04	7.00E-05	6.77E-05	1.45E-04	1.82E-04	2.05E-04	2.83E-04
7.26E+00	8.47E-09	3.23E-04	6.91E-05	6.65E-05	1.45E-04	1.81E-04	2.03E-04	2.74E-04
7.68E+00	8.51E-09	3.11E-04	6.82E-05	6.58E-05	1.44E-04	1.80E-04	2.03E-04	2.57E-04
8.13E+00	8.55E-09	2.99E-04	6.73E-05	6.49E-05	1.43E-04	1.79E-04	2.01E-04	2.42E-04
8.60E+00	8.59E-09	2.86E-04	6.64E-05	6.43E-05	1.42E-04	1.78E-04	1.99E-04	2.28E-04
9.10E+00	8.64E-09	2.74E-04	6.54E-05	6.33E-05	1.42E-04	1.75E-04	1.97E-04	2.27E-04
9.63E+00	8.68E-09	2.63E-04	6.44E-05	6.25E-05	1.40E-04	1.73E-04	1.95E-04	2.26E-04
1.00E+01	8.71E-09	2.57E-04	6.37E-05	6.21E-05	1.40E-04	1.67E-04	1.94E-04	2.26E-04
1.02E+01	8.73E-09	2.58E-04	6.34E-05	6.16E-05	1.40E-04	1.68E-04	1.94E-04	2.23E-04
1.08E+01	8.78E-09	2.62E-04	6.24E-05	6.07E-05	1.38E-04	1.65E-04	1.92E-04	2.14E-04
1.14E+01	8.83E-09	2.66E-04	6.13E-05	5.96E-05	1.35E-04	1.64E-04	1.89E-04	2.07E-04
1.21E+01	8.89E-09	2.70E-04	6.01E-05	5.85E-05	1.32E-04	1.60E-04	1.87E-04	2.00E-04
1.28E+01	8.95E-09	2.74E-04	5.89E-05	5.70E-05	1.28E-04	1.58E-04	1.85E-04	1.98E-04
1.35E+01	9.01E-09	2.77E-04	5.81E-05	5.59E-05	1.29E-04	1.58E-04	1.83E-04	1.98E-04
1.43E+01	9.07E-09	3.43E-04	5.72E-05	5.46E-05	1.27E-04	1.57E-04	1.79E-04	1.95E-04
1.51E+01	9.14E-09	3.40E-04	5.61E-05	5.33E-05	1.24E-04	1.56E-04	1.78E-04	1.93E-04
1.60E+01	9.20E-09	3.37E-04	5.52E-05	5.16E-05	1.23E-04	1.51E-04	1.76E-04	1.91E-04
1.70E+01	9.28E-09	3.34E-04	5.42E-05	5.02E-05	1.22E-04	1.54E-04	1.77E-04	1.96E-04
1.80E+01	9.35E-09	3.30E-04	5.30E-05	4.87E-05	1.20E-04	1.48E-04	1.76E-04	1.93E-04
1.90E+01	6.94E-09	3.27E-04	5.17E-05	4.75E-05	1.17E-04	1.47E-04	1.74E-04	1.90E-04

2.01E+01 1.47E-09 3.23E-04 5.05E-05 4.57E-05 1.16E-04 1.45E-04 1.72E-04 1.86E-04

2.13E+01 2.83E-10 3.19E-04 4.93E-05 4.33E-05 1.13E-04 1.43E-04 1.70E-04 1.81E-04

2.25E+01 4.96E-11 3.15E-04 4.81E-05 4.18E-05 1.11E-04 1.42E-04 1.67E-04 1.78E-04

2.38E+01 7.86E-12 3.11E-04 4.69E-05 4.05E-05 1.09E-04 1.40E-04 1.66E-04 1.76E-04

2.52E+01 1.12E-12 3.06E-04 4.57E-05 3.89E-05 1.07E-04 1.37E-04 1.64E-04 1.74E-04

2.67E+01 1.42E-13 3.18E-04 4.45E-05 3.74E-05 1.05E-04 1.33E-04 1.62E-04 1.72E-04

2.82E+01 1.60E-14 3.43E-04 4.38E-05 3.61E-05 1.03E-04 1.33E-04 1.60E-04 1.70E-04

2.99E+01 1.59E-15 3.37E-04 4.26E-05 3.42E-05 1.00E-04 1.31E-04 1.57E-04 1.68E-04

3.00E+01 1.34E-15 3.36E-04 4.26E-05 3.40E-05 1.00E-04 1.29E-04 1.57E-04 1.68E-04

3.16E+01 1.38E-16 2.97E-04 4.13E-05 3.19E-05 9.86E-05 1.24E-04 1.52E-04 1.65E-04

3.35E+01 1.03E-17 2.50E-04 3.99E-05 3.00E-05 9.68E-05 1.22E-04 1.49E-04 1.63E-04

3.54E+01 6.69E-19 2.43E-04 3.84E-05 2.74E-05 9.40E-05 1.19E-04 1.48E-04 1.60E-04

3.75E+01 3.69E-20 2.41E-04 3.70E-05 2.60E-05 9.10E-05 1.17E-04 1.44E-04 1.57E-04

3.97E+01 1.72E-21 2.29E-04 3.55E-05 2.36E-05 8.87E-05 1.14E-04 1.41E-04 1.54E-04

4.20E+01 6.68E-23 2.17E-04 3.42E-05 2.19E-05 8.59E-05 1.12E-04 1.38E-04 1.51E-04

4.44E+01 2.15E-24 2.05E-04 3.29E-05 2.01E-05 8.28E-05 1.09E-04 1.34E-04 1.48E-04

4.70E+01 5.69E-26 1.90E-04 3.16E-05 1.90E-05 7.89E-05 1.07E-04 1.31E-04 1.46E-04

4.97E+01 1.21E-27 1.82E-04 3.00E-05 1.73E-05 7.59E-05 1.04E-04 1.23E-04 1.42E-04

5.26E+01 1.98E-29 1.79E-04 2.87E-05 1.56E-05 7.30E-05 1.02E-04 1.20E-04 1.39E-04

5.57E+01 0.00E+00 1.94E-04 2.77E-05 1.48E-05 7.09E-05 9.88E-05 1.16E-04 1.35E-04

5.90E+01 0.00E+00 1.88E-04 2.66E-05 1.39E-05 6.82E-05 9.59E-05 1.15E-04 1.32E-04

6.24E+01 0.00E+00 1.82E-04 2.54E-05 1.30E-05 6.60E-05 9.26E-05 1.14E-04 1.28E-04

6.0E+01 0.00E+00 1.76E-04 2.43E-05 1.15E-05 6.29E-05 8.99E-05 1.10E-04 1.26E-04

99E+01 0.00E+00 1.61E-04 2.32E-05 1.08E-05 6.00E-05 8.68E-05 1.06E-04 1.23E-04

7.39E+01 0.00E+00 1.52E-04 2.21E-05 9.80E-06 5.81E-05 8.36E-05 1.02E-04 1.19E-04

7.82E+01 0.00E+00 1.47E-04 2.11E-05 8.61E-06 5.70E-05 8.39E-05 1.01E-04 1.16E-04

8.28E+01 0.00E+00 1.42E-04 1.99E-05 7.67E-06 5.43E-05 8.10E-05 9.43E-05 1.12E-04

8.76E+01 0.00E+00 1.36E-04 1.86E-05 7.06E-06 5.23E-05 7.38E-05 9.07E-05 1.08E-04

9.27E+01 0.00E+00 1.31E-04 1.75E-05 6.00E-06 4.95E-05 7.04E-05 8.70E-05 1.04E-04

9.81E+01 0.00E+00 1.25E-04 1.64E-05 5.37E-06 4.74E-05 6.70E-05 8.33E-05 9.98E-05

1.00E+02 0.00E+00 1.23E-04 1.60E-05 5.22E-06 4.61E-05 6.59E-05 8.20E-05 9.84E-05

1.04E+02 0.00E+00 1.19E-04 1.53E-05 4.92E-06 4.39E-05 6.37E-05 7.95E-05 9.57E-05

1.10E+02 0.00E+00 1.14E-04 1.44E-05 4.37E-06 4.30E-05 6.09E-05 7.67E-05 9.15E-05

1.16E+02 0.00E+00 1.28E-04 1.34E-05 3.96E-06 3.94E-05 5.69E-05 7.28E-05 8.95E-05

1.23E+02 0.00E+00 1.20E-04 1.25E-05 3.53E-06 3.61E-05 5.35E-05 6.88E-05 8.30E-05

1.30E+02 0.00E+00 1.13E-04 1.15E-05 3.02E-06 3.36E-05 5.05E-05 6.49E-05 7.87E-05

1.38E+02 0.00E+00 1.41E-04 1.10E-05 2.81E-06 3.31E-05 4.83E-05 6.42E-05 7.86E-05

1.46E+02 0.00E+00 1.31E-04 1.02E-05 2.62E-06 3.19E-05 4.54E-05 6.35E-05 7.56E-05

1.54E+02 0.00E+00 1.20E-04 9.52E-06 2.38E-06 2.90E-05 4.32E-05 5.91E-05 7.69E-05

1.63E+02 0.00E+00 1.96E-04 9.26E-06 2.16E-06 2.83E-05 4.35E-05 5.57E-05 7.31E-05

1.73E+02 0.00E+00 1.82E-04 8.71E-06 1.82E-06 2.65E-05 4.10E-05 5.50E-05 7.59E-05

1.83E+02 0.00E+00 1.69E-04 7.95E-06 1.58E-06 2.44E-05 3.79E-05 5.06E-05 7.24E-05

1.94E+02 0.00E+00 1.57E-04 7.36E-06 1.44E-06 2.23E-05 3.61E-05 4.73E-05 6.63E-05

2.05E+02 0.00E+00 1.44E-04 6.65E-06 1.24E-06 2.10E-05 3.32E-05 4.32E-05 6.02E-05

2.17E+02 0.00E+00 1.45E-04 6.00E-06 1.02E-06 1.88E-05 3.05E-05 4.11E-05 5.45E-05

2.29E+02 0.00E+00 1.32E-04 5.35E-06 8.55E-07 1.66E-05 2.86E-05 3.73E-05 4.76E-05

2.43E+02 0.00E+00 1.20E-04 4.71E-06 6.89E-07 1.41E-05 2.55E-05 3.36E-05 4.50E-05

2.57E+02 0.00E+00 1.07E-04 4.10E-06 5.62E-07 1.24E-05 2.31E-05 3.01E-05 3.95E-05

2.72E+02 0.00E+00 9.58E-05 3.50E-06 4.16E-07 1.04E-05 1.99E-05 2.58E-05 3.43E-05

2.88E+02 0.00E+00 8.48E-05 2.87E-06 3.22E-07 8.58E-06 1.59E-05 2.06E-05 3.00E-05

3.00E+02 0.00E+00 7.72E-05 2.55E-06 2.51E-07 7.56E-06 1.51E-05 1.98E-05 2.70E-05

3.05E+02 0.00E+00 7.46E-05 2.46E-06 2.43E-07 7.23E-06 1.45E-05 1.91E-05 2.60E-05

3.22E+02 0.00E+00 6.51E-05 2.06E-06 1.97E-07 6.14E-06 1.13E-05 1.58E-05 2.18E-05

3.41E+02 0.00E+00 5.63E-05 1.71E-06 1.58E-07 5.23E-06 9.46E-06 1.36E-05 1.89E-05

3.61E+02 0.00E+00 4.83E-05 1.44E-06 1.16E-07 4.05E-06 8.34E-06 1.23E-05 1.63E-05

3.82E+02 0.00E+00 4.11E-05 1.20E-06 9.07E-08 3.28E-06 7.06E-06 1.04E-05 1.39E-05

4.04E+02 0.00E+00 3.46E-05 9.89E-07 6.16E-08 2.70E-06 5.69E-06 8.67E-06 1.18E-05

4.28E+02 0.00E+00 2.89E-05 7.93E-07 4.63E-08 2.11E-06 4.85E-06 7.37E-06 9.85E-06

4.53E+02 0.00E+00 2.39E-05 6.10E-07 3.32E-08 1.66E-06 3.60E-06 5.94E-06 8.17E-06

4.79E+02 0.00E+00 1.95E-05 4.57E-07 2.32E-08 1.14E-06 2.52E-06 4.52E-06 6.70E-06

5.07E+02 0.00E+00 1.57E-05 3.50E-07 1.78E-08 8.50E-07 2.02E-06 3.54E-06 5.09E-06

5.36E+02 0.00E+00 1.25E-05 2.68E-07 1.24E-08 6.34E-07 1.60E-06 2.73E-06 4.04E-06

5.68E+02 0.00E+00 9.82E-06 2.02E-07 7.59E-09 4.15E-07 1.19E-06 2.20E-06 3.22E-06

0.01E+02 0.00E+00 8.30E-06 1.62E-07 5.31E-09 3.13E-07 9.22E-07 1.75E-06 2.54E-06

6.36E+02 0.00E+00 6.40E-06 1.28E-07 3.53E-09 2.42E-07 7.97E-07 1.35E-06 2.33E-06

6.73E+02 0.00E+00 4.86E-06 9.70E-08 2.15E-09 1.70E-07 6.08E-07 1.03E-06 1.77E-06

7.12E+02 0.00E+00 3.64E-06 6.65E-08 1.48E-09 1.23E-07 3.83E-07 7.47E-07 1.16E-06

7.53E+02 0.00E+00 2.67E-06 4.76E-08 8.54E-10 6.86E-08 2.83E-07 5.41E-07 8.39E-07

7.97E+02 0.00E+00 1.93E-06 3.41E-08 5.25E-10 4.83E-08 2.12E-07 3.95E-07 6.17E-07

8.44E+02 0.00E+00 1.52E-06 2.50E-08 2.89E-10 2.87E-08 1.45E-07 2.74E-07 5.07E-07

8.93E+02 0.00E+00 1.06E-06 1.62E-08 1.49E-10 1.26E-08 8.98E-08 1.82E-07 3.43E-07

9.45E+02 0.00E+00 7.23E-07 1.06E-08 7.45E-11 6.91E-09 3.96E-08 1.22E-07 2.40E-07

1.00E+03 0.00E+00 4.83E-07 6.57E-09 3.69E-11 3.15E-09 2.27E-08 7.28E-08 1.47E-07

Probabilistic results summary : RESRAD Default Parameters

File : C:\USERS\DNF\DOCUMENTS\FT CALHOUN\RESRAD INPUT FILES\BP INSITU UA\FCS BURIED PIPE INSITU UA NI-63.RAD

Summary of dose at graphical times, reptition 3

Time Years	Dose statistics at graphical times, mrem/yr							
	Minimum	Maximum	Mean	Median	90%	95%	97.5%	99%
0.00E+00	1.71E-09	1.09E-03	9.72E-05	9.11E-05	1.78E-04	1.97E-04	2.13E-04	2.55E-04
1.00E+00	1.80E-09	5.67E-04	8.60E-05	8.22E-05	1.63E-04	1.87E-04	2.09E-04	2.44E-04
1.06E+00	1.81E-09	5.73E-04	8.57E-05	8.18E-05	1.62E-04	1.87E-04	2.09E-04	2.47E-04
1.12E+00	1.81E-09	5.80E-04	8.54E-05	8.16E-05	1.62E-04	1.86E-04	2.07E-04	2.52E-04
1.19E+00	1.82E-09	5.86E-04	8.51E-05	8.12E-05	1.62E-04	1.86E-04	2.07E-04	2.56E-04
1.25E+00	1.82E-09	5.92E-04	8.47E-05	8.06E-05	1.62E-04	1.85E-04	2.06E-04	2.60E-04
1.33E+00	1.83E-09	5.99E-04	8.44E-05	8.02E-05	1.61E-04	1.85E-04	2.06E-04	2.65E-04
1.40E+00	1.84E-09	6.05E-04	8.41E-05	7.96E-05	1.61E-04	1.84E-04	2.06E-04	2.70E-04
1.49E+00	1.84E-09	6.12E-04	8.38E-05	7.92E-05	1.61E-04	1.84E-04	2.06E-04	2.75E-04
1.57E+00	1.85E-09	6.18E-04	8.35E-05	7.90E-05	1.61E-04	1.85E-04	2.07E-04	2.81E-04
1.66E+00	1.86E-09	6.25E-04	8.31E-05	7.83E-05	1.61E-04	1.85E-04	2.08E-04	2.87E-04
1.76E+00	1.87E-09	6.31E-04	8.28E-05	7.73E-05	1.60E-04	1.85E-04	2.07E-04	2.91E-04
1.86E+00	1.88E-09	6.37E-04	8.25E-05	7.68E-05	1.60E-04	1.84E-04	2.06E-04	2.88E-04
1.97E+00	1.89E-09	6.43E-04	8.21E-05	7.60E-05	1.60E-04	1.84E-04	2.05E-04	2.85E-04
2.09E+00	1.90E-09	6.49E-04	8.17E-05	7.59E-05	1.59E-04	1.85E-04	2.05E-04	2.82E-04
2.21E+00	1.91E-09	6.54E-04	8.13E-05	7.49E-05	1.59E-04	1.85E-04	2.04E-04	2.79E-04
2.24E+00	1.92E-09	6.60E-04	8.08E-05	7.43E-05	1.59E-04	1.84E-04	2.03E-04	2.76E-04
2.27E+00	1.93E-09	6.65E-04	8.04E-05	7.42E-05	1.59E-04	1.83E-04	2.02E-04	2.74E-04
2.26E+00	1.94E-09	6.69E-04	7.99E-05	7.41E-05	1.58E-04	1.86E-04	2.02E-04	2.71E-04
2.27E+00	1.96E-09	6.74E-04	7.94E-05	7.36E-05	1.58E-04	1.84E-04	2.01E-04	2.69E-04
2.29E+00	1.97E-09	6.78E-04	7.89E-05	7.31E-05	1.57E-04	1.82E-04	2.01E-04	2.67E-04
3.00E+00	1.98E-09	6.80E-04	7.87E-05	7.27E-05	1.57E-04	1.82E-04	2.00E-04	2.66E-04
3.310E+00	1.98E-09	6.82E-04	7.83E-05	7.22E-05	1.57E-04	1.82E-04	2.00E-04	2.64E-04
3.328E+00	2.00E-09	6.85E-04	7.78E-05	7.20E-05	1.56E-04	1.81E-04	2.02E-04	2.63E-04
3.48E+00	2.02E-09	6.88E-04	7.72E-05	7.18E-05	1.55E-04	1.81E-04	2.02E-04	2.61E-04
3.68E+00	2.03E-09	6.91E-04	7.67E-05	7.15E-05	1.54E-04	1.80E-04	2.01E-04	2.59E-04
3.89E+00	2.05E-09	6.93E-04	7.61E-05	7.12E-05	1.54E-04	1.80E-04	2.00E-04	2.57E-04
4.12E+00	2.07E-09	6.95E-04	7.54E-05	7.10E-05	1.53E-04	1.79E-04	1.99E-04	2.57E-04
4.36E+00	2.09E-09	6.97E-04	7.48E-05	7.03E-05	1.51E-04	1.79E-04	1.99E-04	2.55E-04
4.61E+00	2.11E-09	6.98E-04	7.41E-05	6.96E-05	1.49E-04	1.78E-04	2.00E-04	2.53E-04
4.88E+00	2.14E-09	6.99E-04	7.34E-05	6.86E-05	1.48E-04	1.78E-04	1.95E-04	2.52E-04
5.17E+00	2.16E-09	6.99E-04	7.27E-05	6.78E-05	1.47E-04	1.75E-04	1.93E-04	2.54E-04
5.47E+00	2.18E-09	6.99E-04	7.20E-05	6.74E-05	1.46E-04	1.73E-04	1.92E-04	2.53E-04
5.57E+00	2.21E-09	6.99E-04	7.13E-05	6.67E-05	1.46E-04	1.72E-04	1.91E-04	2.52E-04
6.12E+00	2.24E-09	6.99E-04	7.05E-05	6.63E-05	1.49E-04	1.70E-04	1.90E-04	2.52E-04
6.48E+00	2.27E-09	6.98E-04	6.97E-05	6.59E-05	1.50E-04	1.70E-04	1.89E-04	2.51E-04
6.86E+00	2.30E-09	6.97E-04	6.89E-05	6.50E-05	1.47E-04	1.72E-04	1.89E-04	2.50E-04
7.26E+00	2.33E-09	6.95E-04	6.81E-05	6.39E-05	1.43E-04	1.71E-04	1.88E-04	2.49E-04
7.68E+00	2.36E-09	6.94E-04	6.72E-05	6.29E-05	1.42E-04	1.70E-04	1.87E-04	2.48E-04
8.13E+00	2.40E-09	6.90E-04	6.64E-05	6.22E-05	1.41E-04	1.69E-04	1.86E-04	2.51E-04
8.60E+00	2.44E-09	6.30E-04	6.54E-05	6.16E-05	1.39E-04	1.69E-04	1.85E-04	2.76E-04
9.10E+00	2.48E-09	4.85E-04	6.43E-05	6.13E-05	1.39E-04	1.68E-04	1.84E-04	2.98E-04
9.63E+00	2.52E-09	3.51E-04	6.30E-05	6.06E-05	1.37E-04	1.67E-04	1.83E-04	2.97E-04
1.00E+01	2.55E-09	3.41E-04	6.22E-05	6.00E-05	1.36E-04	1.66E-04	1.82E-04	2.56E-04
1.02E+01	2.56E-09	3.36E-04	6.18E-05	5.98E-05	1.36E-04	1.65E-04	1.82E-04	2.40E-04
1.08E+01	2.61E-09	3.20E-04	6.07E-05	5.92E-05	1.34E-04	1.60E-04	1.81E-04	2.39E-04
1.14E+01	2.65E-09	3.05E-04	5.96E-05	5.85E-05	1.31E-04	1.57E-04	1.79E-04	2.38E-04
1.21E+01	2.49E-09	2.90E-04	5.85E-05	5.76E-05	1.30E-04	1.56E-04	1.78E-04	2.37E-04
1.28E+01	2.06E-09	2.88E-04	5.75E-05	5.67E-05	1.30E-04	1.55E-04	1.76E-04	2.26E-04
1.35E+01	1.83E-09	2.86E-04	5.64E-05	5.50E-05	1.29E-04	1.54E-04	1.75E-04	2.10E-04
1.43E+01	1.71E-09	2.83E-04	5.54E-05	5.30E-05	1.28E-04	1.53E-04	1.73E-04	2.02E-04
1.51E+01	1.65E-09	2.81E-04	5.43E-05	5.13E-05	1.26E-04	1.52E-04	1.72E-04	2.01E-04
1.60E+01	1.62E-09	2.78E-04	5.32E-05	4.92E-05	1.25E-04	1.49E-04	1.70E-04	2.00E-04
1.70E+01	1.60E-09	2.76E-04	5.23E-05	4.74E-05	1.24E-04	1.48E-04	1.68E-04	1.94E-04
1.80E+01	1.58E-09	2.85E-04	5.14E-05	4.64E-05	1.23E-04	1.45E-04	1.67E-04	1.93E-04
1.90E+01	1.57E-09	2.84E-04	5.03E-05	4.49E-05	1.20E-04	1.43E-04	1.64E-04	1.91E-04

2.01E+01 1.56E-09 2.82E-04 4.90E-05 4.25E-05 1.19E-04 1.41E-04 1.59E-04 1.89E-04

2.13E+01 1.55E-09 2.79E-04 4.77E-05 4.01E-05 1.17E-04 1.39E-04 1.58E-04 1.88E-04

2.25E+01 1.53E-09 2.76E-04 4.65E-05 3.70E-05 1.13E-04 1.36E-04 1.55E-04 1.86E-04

2.38E+01 6.67E-11 2.74E-04 4.52E-05 3.61E-05 1.10E-04 1.33E-04 1.51E-04 1.84E-04

2.52E+01 2.77E-13 2.71E-04 4.38E-05 3.45E-05 1.04E-04 1.32E-04 1.49E-04 1.82E-04

2.67E+01 8.36E-16 2.68E-04 4.23E-05 3.27E-05 9.80E-05 1.28E-04 1.44E-04 1.76E-04

2.82E+01 1.80E-18 2.64E-04 4.10E-05 3.07E-05 9.62E-05 1.26E-04 1.42E-04 1.74E-04

2.99E+01 2.70E-21 2.61E-04 3.98E-05 2.87E-05 9.37E-05 1.24E-04 1.39E-04 1.72E-04

3.00E+01 1.70E-21 2.61E-04 3.97E-05 2.87E-05 9.35E-05 1.24E-04 1.39E-04 1.72E-04

3.16E+01 2.78E-24 2.61E-04 3.89E-05 2.76E-05 9.18E-05 1.22E-04 1.37E-04 1.72E-04

3.35E+01 1.92E-27 2.54E-04 3.78E-05 2.67E-05 8.98E-05 1.20E-04 1.34E-04 1.70E-04

3.54E+01 0.00E+00 2.50E-04 3.67E-05 2.49E-05 8.71E-05 1.17E-04 1.34E-04 1.73E-04

3.75E+01 0.00E+00 2.46E-04 3.56E-05 2.28E-05 8.66E-05 1.15E-04 1.31E-04 1.70E-04

3.97E+01 0.00E+00 2.42E-04 3.46E-05 2.17E-05 8.48E-05 1.13E-04 1.32E-04 1.67E-04

4.20E+01 0.00E+00 2.38E-04 3.35E-05 1.97E-05 8.35E-05 1.11E-04 1.29E-04 1.64E-04

4.44E+01 0.00E+00 2.33E-04 3.23E-05 1.84E-05 8.27E-05 1.08E-04 1.26E-04 1.61E-04

4.70E+01 0.00E+00 2.28E-04 3.13E-05 1.70E-05 8.08E-05 1.09E-04 1.23E-04 1.58E-04

4.97E+01 0.00E+00 2.25E-04 3.03E-05 1.54E-05 7.79E-05 1.06E-04 1.23E-04 1.55E-04

5.26E+01 0.00E+00 3.22E-04 2.95E-05 1.40E-05 7.62E-05 1.02E-04 1.21E-04 1.52E-04

5.57E+01 0.00E+00 1.84E-04 2.78E-05 1.25E-05 7.39E-05 1.00E-04 1.16E-04 1.44E-04

5.90E+01 0.00E+00 1.77E-04 2.67E-05 1.20E-05 7.00E-05 9.65E-05 1.16E-04 1.38E-04

6.24E+01 0.00E+00 1.71E-04 2.56E-05 1.11E-05 6.76E-05 9.38E-05 1.13E-04 1.35E-04

60E+01 0.00E+00 1.65E-04 2.44E-05 1.05E-05 6.39E-05 9.06E-05 1.11E-04 1.34E-04

99E+01 0.00E+00 1.58E-04 2.33E-05 9.51E-06 6.15E-05 8.72E-05 1.06E-04 1.33E-04

7.39E+01 0.00E+00 1.52E-04 2.22E-05 8.29E-06 6.11E-05 8.42E-05 1.03E-04 1.29E-04

7.82E+01 0.00E+00 1.63E-04 2.12E-05 7.69E-06 5.88E-05 8.34E-05 9.99E-05 1.28E-04

8.28E+01 0.00E+00 1.58E-04 2.00E-05 6.95E-06 5.65E-05 7.85E-05 9.61E-05 1.23E-04

8.76E+01 0.00E+00 1.52E-04 1.89E-05 6.16E-06 5.42E-05 7.55E-05 9.19E-05 1.18E-04

9.27E+01 0.00E+00 1.46E-04 1.80E-05 5.76E-06 5.59E-05 7.26E-05 8.76E-05 1.13E-04

9.81E+01 0.00E+00 1.40E-04 1.71E-05 5.29E-06 5.37E-05 6.93E-05 8.52E-05 1.08E-04

1.00E+02 0.00E+00 1.38E-04 1.68E-05 5.22E-06 5.28E-05 6.80E-05 8.40E-05 1.07E-04

1.04E+02 0.00E+00 1.34E-04 1.62E-05 5.01E-06 5.13E-05 6.55E-05 8.13E-05 1.03E-04

1.10E+02 0.00E+00 1.28E-04 1.53E-05 4.61E-06 4.84E-05 6.29E-05 7.81E-05 1.01E-04

1.16E+02 0.00E+00 1.22E-04 1.44E-05 4.10E-06 4.56E-05 5.98E-05 7.40E-05 9.59E-05

1.23E+02 0.00E+00 1.16E-04 1.35E-05 3.68E-06 4.43E-05 5.66E-05 7.17E-05 9.10E-05

1.30E+02 0.00E+00 1.12E-04 1.28E-05 3.34E-06 4.20E-05 5.38E-05 7.22E-05 8.65E-05

1.38E+02 0.00E+00 1.90E-04 1.19E-05 3.04E-06 3.86E-05 5.05E-05 6.81E-05 8.10E-05

1.46E+02 0.00E+00 1.79E-04 1.10E-05 2.61E-06 3.68E-05 4.71E-05 6.39E-05 7.61E-05

1.54E+02 0.00E+00 1.68E-04 1.02E-05 2.34E-06 3.36E-05 4.44E-05 5.97E-05 7.12E-05

1.63E+02 0.00E+00 1.57E-04 9.53E-06 1.94E-06 3.09E-05 4.30E-05 5.79E-05 7.15E-05

1.73E+02 0.00E+00 1.46E-04 8.71E-06 1.61E-06 2.81E-05 3.96E-05 5.39E-05 6.53E-05

1.83E+02 0.00E+00 1.36E-04 7.88E-06 1.38E-06 2.57E-05 3.57E-05 4.91E-05 6.27E-05

1.94E+02 0.00E+00 1.25E-04 7.07E-06 1.16E-06 2.35E-05 3.25E-05 4.44E-05 5.70E-05

2.05E+02 0.00E+00 1.32E-04 6.41E-06 1.05E-06 2.08E-05 3.08E-05 4.06E-05 5.15E-05

2.17E+02 0.00E+00 1.21E-04 5.82E-06 8.77E-07 1.86E-05 2.92E-05 3.88E-05 4.60E-05

2.29E+02 0.00E+00 5.74E-05 4.98E-06 7.48E-07 1.63E-05 2.59E-05 3.44E-05 4.02E-05

2.43E+02 0.00E+00 5.19E-05 4.36E-06 6.29E-07 1.42E-05 2.22E-05 3.10E-05 3.58E-05

2.57E+02 0.00E+00 4.66E-05 3.77E-06 5.12E-07 1.31E-05 1.94E-05 2.69E-05 3.18E-05

2.72E+02 0.00E+00 4.16E-05 3.29E-06 4.09E-07 1.14E-05 1.78E-05 2.45E-05 2.83E-05

2.88E+02 0.00E+00 3.69E-05 2.75E-06 3.17E-07 9.76E-06 1.54E-05 2.20E-05 2.63E-05

3.00E+02 0.00E+00 3.37E-05 2.45E-06 2.45E-07 8.77E-06 1.36E-05 1.95E-05 2.36E-05

3.05E+02 0.00E+00 3.25E-05 2.35E-06 2.25E-07 8.47E-06 1.29E-05 1.91E-05 2.29E-05

3.22E+02 0.00E+00 2.85E-05 1.97E-06 1.77E-07 7.08E-06 9.74E-06 1.58E-05 1.95E-05

3.41E+02 0.00E+00 2.47E-05 1.59E-06 1.38E-07 5.78E-06 8.45E-06 1.31E-05 1.65E-05

3.61E+02 0.00E+00 2.12E-05 1.27E-06 1.09E-07 4.69E-06 6.54E-06 1.02E-05 1.41E-05

3.82E+02 0.00E+00 1.81E-05 1.01E-06 8.66E-08 3.81E-06 5.17E-06 8.37E-06 1.19E-05

4.04E+02 0.00E+00 1.53E-05 8.16E-07 6.87E-08 2.99E-06 4.23E-06 7.21E-06 1.04E-05

4.28E+02 0.00E+00 1.43E-05 6.72E-07 5.41E-08 2.43E-06 3.43E-06 5.88E-06 8.75E-06

4.53E+02 0.00E+00 1.18E-05 5.34E-07 3.56E-08 1.90E-06 2.76E-06 4.79E-06 6.93E-06

4.79E+02 0.00E+00 9.59E-06 3.96E-07 2.60E-08 1.41E-06 2.09E-06 3.52E-06 5.57E-06

5.07E+02 0.00E+00 7.72E-06 3.04E-07 1.94E-08 1.03E-06 1.67E-06 2.73E-06 4.84E-06

5.36E+02 0.00E+00 6.14E-06 2.15E-07 1.21E-08 6.82E-07 1.25E-06 1.83E-06 3.55E-06

5.68E+02 0.00E+00 4.82E-06 1.67E-07 8.26E-09 5.09E-07 9.48E-07 1.67E-06 2.78E-06

0.01E+02 0.00E+00 3.73E-06 1.27E-07 6.23E-09 3.72E-07 6.94E-07 1.28E-06 2.14E-06

6.36E+02 0.00E+00 2.84E-06 9.18E-08 3.76E-09 2.47E-07 5.08E-07 8.77E-07 1.63E-06

6.73E+02 0.00E+00 2.13E-06 6.80E-08 2.63E-09 1.50E-07 3.80E-07 6.79E-07 1.22E-06

7.12E+02 0.00E+00 1.57E-06 4.86E-08 1.61E-09 1.04E-07 2.68E-07 5.36E-07 9.60E-07

7.53E+02 0.00E+00 1.14E-06 3.24E-08 9.07E-10 5.76E-08 1.73E-07 3.52E-07 7.64E-07

7.97E+02 0.00E+00 8.10E-07 2.11E-08 5.27E-10 3.58E-08 1.14E-07 2.38E-07 5.16E-07

8.44E+02 0.00E+00 5.65E-07 1.33E-08 2.93E-10 2.26E-08 7.36E-08 1.53E-07 2.45E-07

9.93E+02 0.00E+00 5.34E-07 9.29E-09 1.58E-10 1.10E-08 4.87E-08 1.06E-07 1.98E-07

9.45E+02 0.00E+00 2.55E-07 5.80E-09 6.49E-11 7.01E-09 3.14E-08 7.10E-08 1.25E-07

1.00E+03 0.00E+00 1.68E-07 3.18E-09 4.09E-11 3.27E-09 1.85E-08 3.95E-08 7.67E-08

Probabilistic results summary : RESRAD Default Parameters

File : C:\USERS\DNF\DOCUMENTS\FT CALHOUN\RESRAD INPUT FILES\BP INSITU UA\FCS BURIED PIPE INSITU UA NI-63.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	9.530E-05
2	0.000E+00	9.511E-05
3	0.000E+00	9.717E-05

Title : RESRAD Default Parameters
 Input File : FCS BURIED PIPE INSITU UA NI-63.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	2	0.16	2	0.15	4	-0.07	4	-0.07
Contaminated zone b parameter	13	0.03	13	0.03	11	0.03	11	0.03
Evapotranspiration coefficient	7	0.05	7	0.05	8	0.04	8	0.04
Wind Speed	16	-0.01	16	-0.01	18	0.00	18	0.00
Runoff coefficient	14	0.03	14	0.03	17	0.00	17	0.00
b Parameter of Unsaturated zone 1	5	-0.06	5	-0.06	6	-0.07	6	-0.06
Mass loading for inhalation	9	0.04	9	0.04	14	0.01	14	0.01
Indoor dust filtration factor	8	-0.05	8	-0.04	12	-0.02	12	-0.02
Depth of soil mixing layer	6	-0.06	6	-0.05	9	-0.04	9	-0.03
Depth of roots	18	-0.01	18	-0.01	5	-0.07	5	-0.06
Wet weight crop yield of fruit, grain and non-leafy vegetables	15	-0.01	15	-0.01	13	-0.01	13	-0.01
Weathering removal constant of all vegetation	17	-0.01	17	-0.01	15	0.01	15	0.01
Wet foliar interception fraction of leafy vegetables	10	-0.04	10	-0.03	3	-0.07	3	-0.07
Humidity in air	11	0.04	11	0.03	16	-0.01	16	-0.01
Cover erosion rate	1	0.21	1	0.20	2	0.10	2	0.10
Kd of Ni-63 in Contaminated Zone	12	0.03	12	0.03	10	-0.03	10	-0.03
Kd of Ni-63 in Saturated Zone	4	0.07	4	0.06	7	-0.06	7	-0.06
Well pump intake depth	3	-0.15	3	-0.15	1	-0.14	1	-0.14
R-SQUARE		0.11		0.11		0.06		0.06

-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 NI-63.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	10 -0.02	10 -0.02	5 -0.08	5 -0.07
Contaminated zone b parameter	17 0.00	17 0.00	15 0.03	15 0.03
Evapotranspiration coefficient	4 0.07	4 0.07	12 0.05	12 0.05
Wind Speed	12 0.02	12 0.02	16 0.03	16 0.03
Runoff coefficient	3 0.07	3 0.07	8 0.06	8 0.06
b Parameter of Unsaturated zone 1	6 0.04	6 0.04	11 0.05	11 0.05
Mass loading for inhalation	16 0.01	16 0.01	17 0.02	17 0.02
Indoor dust filtration factor	2 -0.10	2 -0.09	9 -0.06	9 -0.05
Depth of soil mixing layer	13 0.01	13 0.01	4 0.08	4 0.08
Depth of roots	14 0.01	14 0.01	7 -0.07	7 -0.07
Wet weight crop yield of fruit, grain and non-leafy vegetables	5 -0.05	5 -0.05	6 -0.07	6 -0.07
Weathering removal constant of all vegetation	8 -0.02	8 -0.02	14 -0.03	14 -0.03
Wet foliar interception fraction of leafy vegetables	9 0.02	9 0.02	10 0.05	10 0.05
Humidity in air	15 -0.01	15 -0.01	18 0.00	18 0.00
Cover erosion rate	7 0.03	7 0.03	3 0.13	3 0.13
Kd of Ni-63 in Contaminated Zone	11 -0.02	11 -0.02	13 -0.04	13 -0.04
Kd of Ni-63 in Saturated Zone	18 0.00	18 0.00	2 -0.15	2 -0.15
Well pump intake depth	1 -0.16	1 -0.16	1 -0.19	1 -0.18
R-SQUARE	0.05	0.05	0.11	0.11

-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 NI-63.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	11	0.03	11	0.03	16	-0.01	16	-0.01
Contaminated zone b parameter	15	-0.01	15	-0.01	7	-0.06	7	-0.05
Evapotranspiration coefficient	1	0.13	1	0.13	1	0.12	1	0.12
Wind Speed	10	0.04	10	0.04	18	0.00	18	0.00
Runoff coefficient	13	0.02	13	0.02	13	-0.01	13	-0.01
b Parameter of Unsaturated zone 1	7	0.04	7	0.04	8	0.05	8	0.05
Mass loading for inhalation	14	-0.01	14	-0.01	11	-0.02	11	-0.02
Indoor dust filtration factor	17	-0.01	17	-0.01	15	0.01	15	0.01
Depth of soil mixing layer	8	-0.04	9	-0.04	10	-0.03	10	-0.03
Depth of roots	18	0.00	18	0.00	6	-0.06	6	-0.06
Wet weight crop yield of fruit, grain and non-leafy vegetables	16	0.01	16	0.01	17	0.00	17	0.00
Weathering removal constant of all vegetation	6	0.04	6	0.04	9	0.04	9	0.04
Wet foliar interception fraction of leafy vegetables	4	-0.06	4	-0.06	14	-0.01	14	-0.01
Humidity in air	12	-0.02	12	-0.02	12	-0.02	12	-0.02
Cover erosion rate	3	0.11	3	0.10	5	0.07	5	0.07
Kd of Ni-63 in Contaminated Zone	5	-0.06	5	-0.05	2	-0.12	2	-0.12
Kd of Ni-63 in Saturated Zone	9	-0.04	8	-0.04	4	-0.08	4	-0.07
Well pump intake depth	2	-0.12	2	-0.11	3	-0.08	3	-0.08
R-SQUARE		0.05		0.05		0.06		0.06

-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.