

Probabilistic results summary : RESRAD Default Parameters

File : C:\USERS\DNF\DOCUMENTS\FT CALHOUN\RESRAD INPUT FILES\BP INSITU UA\FCS BURIED PIPE INSITU UA C0-58.RAD

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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	5.56	2.89																
17	DCACTS(1)	LOGNORMAL-N	5.56	2.89																
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
Co-58										
Min	0.00E+00	7.45E-08	7.45E-08	2.09E-09	2.01E-13	2.39E-25	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	1.77E+00	2.78E-03	2.78E-03	6.93E-05	4.26E-08	6.71E-17	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	2.27E-03	2.09E-04	2.09E-04	5.15E-06	3.80E-09	4.51E-19	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	6.23E-02	1.61E-04	1.61E-04	4.03E-06	3.23E-09	4.37E-18	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ALL										
Min	0.00E+00	7.45E-08	7.45E-08	2.09E-09	2.01E-13	2.39E-25	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	1.77E+00	2.78E-03	2.78E-03	6.93E-05	4.26E-08	6.71E-17	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	2.27E-03	2.09E-04	2.09E-04	5.15E-06	3.80E-09	4.51E-19	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	6.23E-02	1.61E-04	1.61E-04	4.03E-06	3.23E-09	4.37E-18	0.00E+00	0.00E+00	0.00E+00	0.00E+00

ALL is total dose summed for all nuclides.

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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
Co-58								
Min	6.18E-12	1.73E-13	1.96E-17	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	4.00E-07	6.11E-09	4.65E-12	5.63E-21	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	2.86E-08	6.54E-10	4.77E-13	3.79E-23	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	2.78E-08	4.77E-10	3.89E-13	3.52E-22	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ALL								
Min	6.18E-12	1.73E-13	1.96E-17	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	4.00E-07	6.11E-09	4.65E-12	5.63E-21	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	2.86E-08	6.54E-10	4.77E-13	3.79E-23	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	2.78E-08	4.77E-10	3.89E-13	3.52E-22	0.00E+00	0.00E+00	0.00E+00	0.00E+00

ALL is total risk summed for all nuclides.

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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
Co-58								
Min	9.88E-09	2.99E-21	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	1.71E-07	6.17E-08	8.02E-09	6.70E-17	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	7.22E-08	2.17E-09	1.88E-11	4.08E-19	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	1.13E-08	3.03E-09	2.73E-10	4.36E-18	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ALL								
Min	9.88E-09	2.99E-21	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	1.71E-07	6.17E-08	8.02E-09	6.70E-17	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	7.22E-08	2.17E-09	1.88E-11	4.08E-19	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	1.13E-08	3.03E-09	2.73E-10	4.36E-18	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
Co-58								
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	1.15E-17	1.52E-24	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	7.66E-21	5.43E-27	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	2.97E-19	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	1.15E-17	1.52E-24	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	7.66E-21	5.43E-27	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	2.97E-19	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): Radon (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
Co-58								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ALL								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

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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
Co-58								
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	4.27E-04	1.20E-05	1.20E-08	1.53E-19	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	1.60E-04	4.09E-06	2.97E-09	3.45E-20	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	1.10E-04	3.09E-06	2.46E-09	3.28E-20	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	4.27E-04	1.20E-05	1.20E-08	1.53E-19	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	1.60E-04	4.09E-06	2.97E-09	3.45E-20	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	1.10E-04	3.09E-06	2.46E-09	3.28E-20	0.00E+00	0.00E+00	0.00E+00	0.00E+00

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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
Co-58								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	3.68E-05	1.03E-06	1.03E-09	2.71E-20	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	1.39E-05	3.55E-07	2.57E-10	3.04E-21	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	9.50E-06	2.66E-07	2.12E-10	2.95E-21	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	3.68E-05	1.03E-06	1.03E-09	2.71E-20	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	1.39E-05	3.55E-07	2.57E-10	3.04E-21	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	9.50E-06	2.66E-07	2.12E-10	2.95E-21	0.00E+00	0.00E+00	0.00E+00	0.00E+00

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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
Co-58								
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	1.66E-05	4.64E-07	4.65E-10	8.58E-21	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	6.23E-06	1.59E-07	1.15E-10	1.35E-21	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	4.26E-06	1.20E-07	9.51E-11	1.29E-21	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	1.66E-05	4.64E-07	4.65E-10	8.58E-21	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	6.23E-06	1.59E-07	1.15E-10	1.35E-21	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	4.26E-06	1.20E-07	9.51E-11	1.29E-21	0.00E+00	0.00E+00	0.00E+00	0.00E+00

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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
Co-58								
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	6.53E-15	6.74E-22	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	4.36E-18	2.71E-24	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	1.69E-16	2.98E-23	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	6.53E-15	6.74E-22	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	4.36E-18	2.71E-24	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	1.69E-16	2.98E-23	0.00E+00	0.00E+00	0.00E+00	0.00E+00

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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
Co-58								
Min	6.94E-11	1.97E-12	1.58E-15	2.32E-26	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	2.37E-03	5.47E-05	3.42E-08	2.00E-19	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	2.50E-05	4.61E-07	3.71E-10	3.97E-21	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	9.79E-05	2.02E-06	1.69E-09	1.33E-20	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ALL								
Min	6.94E-11	1.97E-12	1.58E-15	2.32E-26	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	2.37E-03	5.47E-05	3.42E-08	2.00E-19	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	2.50E-05	4.61E-07	3.71E-10	3.97E-21	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	9.79E-05	2.02E-06	1.69E-09	1.33E-20	0.00E+00	0.00E+00	0.00E+00	0.00E+00

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Probabilistic Dose vs Pathway(i): Fish Ingestion

Nuclide	DOSE(i,j,t), mrem/yr							
	(j) t= 0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
<hr/>								
Co-58								
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/>								

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 C0-58.RAD

Probabilistic Dose vs Pathway(i): Radon (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
Co-58								
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 C0-58.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
Co-58								
Min	1.12E-11	3.22E-13	2.66E-16	4.04E-27	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	9.25E-05	5.91E-06	3.74E-09	2.75E-20	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	2.18E-06	4.30E-08	3.43E-11	3.72E-22	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	7.16E-06	2.02E-07	1.66E-10	1.38E-21	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ALL								
Min	1.12E-11	3.22E-13	2.66E-16	4.04E-27	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	9.25E-05	5.91E-06	3.74E-09	2.75E-20	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	2.18E-06	4.30E-08	3.43E-11	3.72E-22	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	7.16E-06	2.02E-07	1.66E-10	1.38E-21	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 C0-58.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
Co-58								
Min	6.41E-12	1.82E-13	1.46E-16	2.14E-27	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	1.49E-04	3.96E-06	2.73E-09	1.43E-20	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	1.85E-06	3.24E-08	2.61E-11	2.80E-22	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	7.00E-06	1.41E-07	1.22E-10	9.50E-22	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ALL								
Min	6.41E-12	1.82E-13	1.46E-16	2.14E-27	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	1.49E-04	3.96E-06	2.73E-09	1.43E-20	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	1.85E-06	3.24E-08	2.61E-11	2.80E-22	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	7.00E-06	1.41E-07	1.22E-10	9.50E-22	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 C0-58.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
Co-58								
Min	2.19E-12	6.22E-14	5.00E-17	7.31E-28	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	4.03E-05	1.29E-06	8.59E-10	4.74E-21	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	5.51E-07	9.99E-09	8.03E-12	8.62E-23	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	2.01E-06	4.48E-08	3.79E-11	2.96E-22	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ALL								
Min	2.19E-12	6.22E-14	5.00E-17	7.31E-28	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	4.03E-05	1.29E-06	8.59E-10	4.74E-21	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	5.51E-07	9.99E-09	8.03E-12	8.62E-23	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	2.01E-06	4.48E-08	3.79E-11	2.96E-22	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 C0-58.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	1.19E-07	3.33E-09	2.63E-12	3.72E-23	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.050	2.90E-07	9.29E-09	6.11E-12	6.36E-23	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.075	6.21E-07	1.96E-08	1.52E-11	1.42E-22	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.100	1.42E-06	4.37E-08	2.85E-11	2.41E-22	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.125	4.16E-06	9.73E-08	6.28E-11	4.31E-22	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.150	9.31E-06	2.04E-07	1.10E-10	7.10E-22	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.175	2.93E-05	3.66E-07	1.77E-10	1.15E-21	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.200	8.29E-05	6.95E-07	3.10E-10	1.75E-21	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.225	1.40E-04	1.54E-06	4.88E-10	2.98E-21	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.250	1.44E-04	2.82E-06	9.17E-10	4.39E-21	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.275	1.48E-04	3.58E-06	1.55E-09	6.90E-21	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.300	1.53E-04	3.87E-06	2.21E-09	1.03E-20	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.325	1.57E-04	3.98E-06	2.72E-09	1.63E-20	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.350	1.62E-04	4.09E-06	2.97E-09	2.34E-20	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.375	1.67E-04	4.24E-06	3.06E-09	2.89E-20	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.400	1.72E-04	4.36E-06	3.17E-09	3.44E-20	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.425	1.78E-04	4.48E-06	3.29E-09	3.82E-20	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.450	1.83E-04	4.62E-06	3.37E-09	4.02E-20	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.475	1.89E-04	4.75E-06	3.50E-09	4.19E-20	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.500	1.95E-04	4.94E-06	3.59E-09	4.33E-20	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.525	2.02E-04	5.08E-06	3.73E-09	4.49E-20	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.550	2.09E-04	5.24E-06	3.88E-09	4.64E-20	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.575	2.17E-04	5.44E-06	4.03E-09	4.87E-20	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.600	2.24E-04	5.67E-06	4.17E-09	5.07E-20	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.625	2.32E-04	5.90E-06	4.33E-09	5.29E-20	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.650	2.43E-04	6.11E-06	4.51E-09	5.46E-20	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.675	2.52E-04	6.36E-06	4.69E-09	5.71E-20	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.700	2.63E-04	6.60E-06	4.92E-09	5.93E-20	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.725	2.74E-04	6.90E-06	5.13E-09	6.34E-20	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.750	2.86E-04	7.22E-06	5.40E-09	6.69E-20	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.775	3.02E-04	7.58E-06	5.65E-09	6.99E-20	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.800	3.15E-04	7.88E-06	5.98E-09	7.48E-20	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.825	3.28E-04	8.29E-06	6.36E-09	7.97E-20	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.850	3.46E-04	8.81E-06	6.71E-09	8.55E-20	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.875	3.64E-04	9.39E-06	7.25E-09	9.32E-20	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.900	3.87E-04	1.00E-05	7.74E-09	1.02E-19	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.925	4.10E-04	1.07E-05	8.20E-09	1.10E-19	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.950	4.41E-04	1.15E-05	9.02E-09	1.23E-19	0.00E+00	0.00E+00	0.00E+00	0.00E+00
0.975	4.76E-04	1.27E-05	1.00E-08	1.39E-19	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1.000	2.78E-03	6.93E-05	4.26E-08	6.71E-17	0.00E+00	0.00E+00	0.00E+00	0.00E+00



2.01E+01 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

2.13E+01 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

2.25E+01 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

2.38E+01 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

2.52E+01 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00



2.67E+01 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

2.82E+01 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

2.99E+01 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

3.00E+01 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

3.16E+01 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

3.35E+01 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

3.54E+01 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

3.75E+01 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00



3.97E+01 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

4.20E+01 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

4.44E+01 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

4.70E+01 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

4.97E+01 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

5.26E+01 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

5.57E+01 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

5.90E+01 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00



6.24E+01 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

6.0E+01 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

6.99E+01 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

7.39E+01 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

7.82E+01 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

8.28E+01 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

8.76E+01 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

9.27E+01 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00



9.81E+01 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

1.00E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

1.04E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

1.10E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

1.16E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

1.23E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

1.30E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

1.38E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00



1.46E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

1.54E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

1.63E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

1.73E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

1.83E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

1.94E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

2.05E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

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1.38E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00



1.46E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

1.54E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

1.63E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

1.73E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

1.83E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

1.94E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

2.05E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

2.17E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00



2.29E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

2.43E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

2.57E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

2.72E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

2.88E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

3.00E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

3.05E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

3.22E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00



3.41E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

3.61E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

3.82E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

4.04E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

4.28E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

4.53E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

4.79E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

5.07E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00



5.36E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

5.68E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

0.01E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

6.36E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

6.73E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

7.12E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

7.53E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

7.97E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00



8.44E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

9.93E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

9.45E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

1.00E+03 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

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Probabilistic results summary : RESRAD Default Parameters

File : C:\USERS\DNF\DOCUMENTS\FT CALHOUN\RESRAD INPUT FILES\BP INSITU UA\FCS BURIED PIPE INSITU UA C0-58.RAD

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

Repetition	Time of peak mean dose		Peak mean dose mrem/yr
	Years		
1	0.000E+00	2.077E-04	
2	0.000E+00	2.079E-04	
3	0.000E+00	2.126E-04	

Title : RESRAD Default Parameters  
 Input File : FCS BURIED PIPE INSITU UA C0-58.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	18	0.00	18	0.00	7	-0.05	7	-0.05
Contaminated zone b parameter	9	0.02	9	0.02	10	0.03	10	0.03
Evapotranspiration coefficient	7	0.05	7	0.05	9	0.03	9	0.03
Wind Speed	8	0.04	8	0.04	6	0.05	6	0.05
Runoff coefficient	13	-0.01	13	-0.01	13	-0.01	13	-0.01
b Parameter of Unsaturated zone 1	3	-0.09	3	-0.09	3	-0.08	3	-0.08
Mass loading for inhalation	12	0.01	12	0.01	18	0.00	18	0.00
Indoor dust filtration factor	17	-0.01	17	-0.01	15	-0.01	15	-0.01
Depth of soil mixing layer	11	-0.01	11	-0.01	17	0.00	17	0.00
Depth of roots	1	0.14	1	0.13	4	0.06	4	0.06
Wet weight crop yield of fruit, grain and non-leafy vegetables	15	-0.01	15	-0.01	16	-0.01	16	-0.01
Weathering removal constant of all vegetation	16	-0.01	16	-0.01	11	0.01	11	0.01
Wet foliar interception fraction of leafy vegetables	5	-0.07	5	-0.07	5	-0.06	5	-0.05
Humidity in air	6	0.06	6	0.06	12	0.01	12	0.01
Cover erosion rate	14	0.01	14	0.01	14	0.01	14	0.01
Kd of Co-58 in Contaminated Zone	4	-0.08	4	-0.08	1	-0.15	1	-0.15
Kd of Co-58 in Saturated Zone	10	0.02	10	0.02	8	0.04	8	0.04
Well pump intake depth	2	-0.12	2	-0.11	2	-0.09	2	-0.08

R-SQUARE 0.06 0.06 0.05 0.05

-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 C0-58.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	17 0.00	17 0.00	9 -0.04	9 -0.04
Contaminated zone b parameter	16 0.00	16 0.00	17 -0.01	17 -0.01
Evapotranspiration coefficient	18 0.00	18 0.00	13 -0.02	13 -0.02
Wind Speed	10 -0.03	10 -0.03	16 -0.01	16 -0.01
Runoff coefficient	9 0.03	9 0.03	11 0.04	11 0.04
b Parameter of Unsaturated zone 1	6 0.05	6 0.04	8 0.05	8 0.05
Mass loading for inhalation	14 0.01	14 0.01	18 0.00	18 0.00
Indoor dust filtration factor	3 -0.09	3 -0.09	6 -0.06	6 -0.05
Depth of soil mixing layer	4 0.07	4 0.07	2 0.11	2 0.11
Depth of roots	1 0.15	1 0.15	4 0.08	4 0.08
Wet weight crop yield of fruit, grain and non-leafy vegetables	7 -0.04	7 -0.04	7 -0.05	7 -0.05
Weathering removal constant of all vegetation	15 0.01	15 0.01	10 -0.04	10 -0.04
Wet foliar interception fraction of leafy vegetables	12 0.02	12 0.02	5 0.07	5 0.06
Humidity in air	11 -0.02	11 -0.02	14 -0.02	14 -0.02
Cover erosion rate	5 -0.06	5 -0.06	15 0.01	15 0.01
Kd of Co-58 in Contaminated Zone	13 -0.01	13 -0.01	1 -0.16	1 -0.16
Kd of Co-58 in Saturated Zone	8 0.04	8 0.04	12 -0.03	12 -0.03
Well pump intake depth	2 -0.12	2 -0.12	3 -0.10	3 -0.10
R-SQUARE	0.06	0.06	0.07	0.07

-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 C0-58.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	18	0.00	18	0.00	10	-0.02	10	-0.02
Contaminated zone b parameter	13	0.01	13	0.01	9	-0.03	9	-0.03
Evapotranspiration coefficient	4	0.07	4	0.07	5	0.05	5	0.04
Wind Speed	12	0.01	12	0.01	13	0.01	13	0.01
Runoff coefficient	9	-0.03	9	-0.03	4	-0.06	4	-0.05
b Parameter of Unsaturated zone 1	14	-0.01	14	-0.01	16	0.01	16	0.01
Mass loading for inhalation	10	0.02	10	0.02	18	0.00	18	0.00
Indoor dust filtration factor	11	-0.02	11	-0.02	17	0.00	17	0.00
Depth of soil mixing layer	6	-0.04	6	-0.04	12	-0.01	12	-0.01
Depth of roots	1	0.12	1	0.11	3	0.06	3	0.06
Wet weight crop yield of fruit, grain and non-leafy vegetables	8	0.03	8	0.03	14	0.01	14	0.01
Weathering removal constant of all vegetation	3	0.07	3	0.07	6	0.04	6	0.04
Wet foliar interception fraction of leafy vegetables	7	-0.03	7	-0.03	11	-0.02	11	-0.01
Humidity in air	16	0.01	16	0.01	8	0.04	8	0.04
Cover erosion rate	15	-0.01	15	-0.01	7	-0.04	7	-0.04
Kd of Co-58 in Contaminated Zone	5	-0.04	5	-0.04	1	-0.23	1	-0.23
Kd of Co-58 in Saturated Zone	17	0.00	17	0.00	15	0.01	15	0.01
Well pump intake depth	2	-0.09	2	-0.09	2	-0.06	2	-0.06
R-SQUARE		0.04		0.04		0.07		0.07

-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.