Probabilistic results summary : RESRAD Default Parameters

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Part VI: Uncertainty Analysis

RESRAD Uncertainty Analysis Results

Probabilistic results summary : RESRAD Default Parameters

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Probabilistic Input

Number of Sample Runs: 1500

Number	Name	Distribution	Parameters															
1	VCZ	CONTINUOUS LOGARITHMIC	4	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 LOGARITHMIC	4	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			

Probabilistic results summary : RESRAD Default Parameters

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Probabilistic Total Dose Summary

Nuclide	Peak	Peak	DOSE(j,t), mrem/yr							
(j)	Time	Dose	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.

Probabilistic results summary : RESRAD Default Parameters

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Probabilistic Risk Summary

Nuclide	RISK(j,t)							
(j) t=	0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
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.

Probabilistic results summary : RESRAD Default Parameters

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Probabilistic Dose vs Pathway(i): Ground External

Nuclide	DOSE(i,j,t), mrem/yr							
(j) t=	0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
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.

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): Inhalation (w/o Radon)

Nuclide		DOSE(i,j,t), mrem/yr							
(j)	t= 0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
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.

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
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

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

Nuclide	DOSE(i,j,t), mrem/yr							
(j) t=	0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
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

∑ALL is total pathway dose summed for all nuclides.

Probabilistic results summary : RESRAD Default Parameters

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

Nuclide	DOSE(i,j,t), mrem/yr							
(j) t=	0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
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

∑ALL is total pathway dose summed for all nuclides.

Probabilistic results summary : RESRAD Default Parameters

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

Nuclide	DOSE(i,j,t), mrem/yr							
(j) t=	0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
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

∑ALL is total pathway dose summed for all nuclides.

Probabilistic results summary : RESRAD Default Parameters

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Probabilistic Dose vs Pathway(i): Soil Ingestion

Nuclide	DOSE(i,j,t), mrem/yr							
(j) t=	0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
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

∑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): Water Ingestion

Nuclide	DOSE(i,j,t), mrem/yr							
(j) t=	0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
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

∑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): 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
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): 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
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							
(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
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							
(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
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							
(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
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

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

Summary of dose at graphical times, reptition 1

Time — Dose statistics at graphical times, mrem/yr

Years	Minimum	Maximum	Mean	Median	90%	95%	97.5%	99%
0.00E+00	7.56E-08	1.13E-03	2.08E-04	1.92E-04	3.87E-04	4.46E-04	4.85E-04	6.49E-04
1.00E+00	2.20E-09	2.95E-05	5.13E-06	4.91E-06	1.01E-05	1.17E-05	1.29E-05	1.45E-05
1.06E+00	1.79E-09	2.45E-05	4.15E-06	3.97E-06	8.18E-06	9.48E-06	1.05E-05	1.18E-05
1.12E+00	1.44E-09	2.02E-05	3.32E-06	3.17E-06	6.56E-06	7.60E-06	8.41E-06	9.48E-06
1.19E+00	1.14E-09	1.64E-05	2.62E-06	2.50E-06	5.19E-06	6.02E-06	6.66E-06	7.51E-06
1.25E+00	8.93E-10	1.32E-05	2.04E-06	1.95E-06	4.05E-06	4.71E-06	5.20E-06	5.87E-06
1.33E+00	6.89E-10	1.04E-05	1.57E-06	1.49E-06	3.12E-06	3.64E-06	4.00E-06	4.53E-06
1.40E+00	4.97E-10	8.13E-06	1.19E-06	1.13E-06	2.36E-06	2.79E-06	3.03E-06	3.44E-06
1.49E+00	2.83E-10	6.24E-06	8.84E-07	8.41E-07	1.76E-06	2.08E-06	2.26E-06	2.57E-06
1.57E+00	1.66E-10	4.70E-06	6.47E-07	6.14E-07	1.29E-06	1.53E-06	1.66E-06	1.89E-06
1.66E+00	1.01E-10	3.48E-06	4.65E-07	4.37E-07	9.29E-07	1.10E-06	1.20E-06	1.36E-06
1.76E+00	6.30E-11	2.53E-06	3.27E-07	3.09E-07	6.57E-07	7.76E-07	8.45E-07	9.62E-07
1.86E+00	4.04E-11	1.80E-06	2.26E-07	2.13E-07	4.55E-07	5.38E-07	5.85E-07	6.67E-07
1.97E+00	2.61E-11	1.25E-06	1.53E-07	1.44E-07	3.09E-07	3.64E-07	3.97E-07	4.53E-07
2.09E+00	1.69E-11	8.50E-07	1.01E-07	9.53E-08	2.05E-07	2.42E-07	2.63E-07	3.00E-07
2.21E+00	1.08E-11	5.61E-07	6.52E-08	6.16E-08	1.33E-07	1.56E-07	1.70E-07	1.95E-07
2.34E+00	6.75E-12	3.60E-07	4.10E-08	3.89E-08	8.42E-08	9.86E-08	1.08E-07	1.23E-07
2.47E+00	4.13E-12	2.22E-07	2.51E-08	2.38E-08	5.17E-08	6.05E-08	6.66E-08	7.56E-08
2.62E+00	2.46E-12	1.31E-07	1.50E-08	1.42E-08	3.08E-08	3.60E-08	3.99E-08	4.52E-08
2.77E+00	1.43E-12	7.30E-08	8.64E-09	8.23E-09	1.79E-08	2.07E-08	2.31E-08	2.62E-08
2.93E+00	8.02E-13	3.89E-08	4.83E-09	4.59E-09	1.00E-08	1.17E-08	1.30E-08	1.47E-08
3.00E+00	6.29E-13	2.99E-08	3.79E-09	3.60E-09	7.91E-09	9.25E-09	1.02E-08	1.16E-08
3.10E+00	4.35E-13	2.00E-08	2.62E-09	2.48E-09	5.47E-09	6.45E-09	7.13E-09	8.00E-09
3.28E+00	2.28E-13	9.90E-09	1.37E-09	1.28E-09	2.86E-09	3.37E-09	3.74E-09	5.67E-09
3.48E+00	1.15E-13	5.46E-09	6.93E-10	6.40E-10	1.44E-09	1.70E-09	1.89E-09	2.87E-09
3.68E+00	5.60E-14	4.61E-09	3.39E-10	3.09E-10	6.97E-10	8.22E-10	9.16E-10	1.40E-09
3.89E+00	2.61E-14	3.85E-09	1.60E-10	1.41E-10	3.25E-10	3.86E-10	4.26E-10	6.52E-10
4.12E+00	8.09E-15	3.12E-09	7.40E-11	6.25E-11	1.44E-10	1.69E-10	1.89E-10	3.08E-10
4.36E+00	2.27E-15	2.25E-09	3.32E-11	2.64E-11	6.06E-11	7.17E-11	8.03E-11	1.51E-10
4.61E+00	6.17E-16	1.65E-09	1.50E-11	1.06E-11	2.43E-11	2.89E-11	3.24E-11	5.61E-11
4.88E+00	1.64E-16	1.21E-09	6.96E-12	4.05E-12	9.30E-12	1.10E-11	1.24E-11	2.10E-11
5.17E+00	4.35E-17	8.24E-10	3.34E-12	1.45E-12	3.41E-12	4.02E-12	4.47E-12	7.55E-12
5.47E+00	1.17E-17	4.87E-10	1.59E-12	4.94E-13	1.16E-12	1.37E-12	1.56E-12	2.37E-12
5.78E+00	3.16E-18	2.10E-10	6.41E-13	1.58E-13	3.73E-13	4.38E-13	5.00E-13	7.77E-13
6.12E+00	8.53E-19	6.05E-11	2.03E-13	4.70E-14	1.12E-13	1.31E-13	1.50E-13	2.79E-13
6.48E+00	2.24E-19	1.62E-11	6.40E-14	1.31E-14	3.12E-14	3.64E-14	4.13E-14	1.16E-13
6.86E+00	5.63E-20	4.01E-12	2.04E-14	3.40E-15	8.16E-15	9.43E-15	1.06E-14	4.80E-14
7.26E+00	1.33E-20	9.13E-13	5.92E-15	8.11E-16	1.94E-15	2.25E-15	2.56E-15	1.94E-14
7.68E+00	2.91E-21	2.75E-13	1.48E-15	1.77E-16	4.25E-16	4.96E-16	5.72E-16	7.60E-15
8.13E+00	5.86E-22	5.46E-14	2.97E-16	3.56E-17	8.52E-17	9.98E-17	1.15E-16	2.86E-15
8.60E+00	1.08E-22	9.84E-15	5.57E-17	6.53E-18	1.59E-17	1.83E-17	2.12E-17	1.02E-15
9.10E+00	1.80E-23	1.61E-15	9.82E-18	1.08E-18	2.65E-18	3.09E-18	3.57E-18	3.46E-16
9.63E+00	2.70E-24	2.36E-16	1.56E-18	1.60E-19	3.98E-19	4.63E-19	5.36E-19	8.59E-17
1.00E+01	7.19E-25	6.16E-17	4.39E-19	4.24E-20	1.06E-19	1.23E-19	1.42E-19	2.13E-17
1.02E+01	3.64E-25	3.09E-17	2.28E-19	2.14E-20	5.36E-20	6.33E-20	7.20E-20	1.04E-17
1.08E+01	4.36E-26	3.59E-18	2.67E-20	2.53E-21	6.36E-21	7.45E-21	8.53E-21	1.10E-18
1.14E+01	4.62E-27	3.68E-19	2.79E-21	2.62E-22	6.71E-22	7.87E-22	9.10E-22	1.10E-19
1.21E+01	4.30E-28	3.30E-20	2.70E-22	2.43E-23	6.21E-23	7.30E-23	8.44E-23	9.00E-21
1.28E+01	3.46E-30	2.58E-21	2.28E-23	1.94E-24	5.01E-24	5.74E-24	6.82E-24	7.44E-22
1.35E+01	0.00E+00	1.72E-22	1.28E-24	1.35E-25	3.46E-25	4.00E-25	4.75E-25	3.20E-23
1.43E+01	0.00E+00	1.35E-23	8.49E-26	7.89E-27	2.05E-26	2.38E-26	2.79E-26	1.51E-24
1.51E+01	0.00E+00	6.75E-25	4.21E-27	3.97E-28	1.03E-27	1.20E-27	1.40E-27	1.39E-25
1.60E+01	0.00E+00	2.79E-26	1.81E-28	1.56E-29	4.34E-29	5.07E-29	5.81E-29	8.99E-27
1.70E+01	0.00E+00	9.52E-28	6.61E-30	0.00E+00	1.35E-30	1.60E-30	1.87E-30	2.96E-28
1.80E+01	0.00E+00	2.67E-29	1.70E-31	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.23E-30
1.90E+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

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

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

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

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

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

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

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

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

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

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

6.60E+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

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

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

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

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

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

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

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

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

6.01E+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

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

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

8.93E+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

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

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

Summary of dose at graphical times, reptition 2

Time — Dose statistics at graphical times, mrem/yr

Time Years	Minimum	Maximum	Mean	Median	90%	95%	97.5%	99%
0.00E+00	7.60E-08	1.53E-03	2.08E-04	1.96E-04	3.88E-04	4.30E-04	4.70E-04	6.17E-04
1.00E+00	2.11E-09	6.93E-05	5.17E-06	4.91E-06	1.00E-05	1.16E-05	1.26E-05	1.33E-05
1.06E+00	1.30E-09	5.76E-05	4.19E-06	3.98E-06	8.12E-06	9.43E-06	1.02E-05	1.08E-05
1.12E+00	8.21E-10	4.74E-05	3.35E-06	3.20E-06	6.51E-06	7.56E-06	8.14E-06	8.69E-06
1.19E+00	5.32E-10	3.85E-05	2.65E-06	2.52E-06	5.17E-06	5.99E-06	6.43E-06	6.88E-06
1.25E+00	3.56E-10	3.08E-05	2.06E-06	1.95E-06	4.04E-06	4.68E-06	5.02E-06	5.38E-06
1.33E+00	2.45E-10	2.42E-05	1.59E-06	1.50E-06	3.11E-06	3.61E-06	3.86E-06	4.14E-06
1.40E+00	1.72E-10	1.88E-05	1.20E-06	1.14E-06	2.35E-06	2.73E-06	2.93E-06	3.14E-06
1.49E+00	1.22E-10	1.43E-05	8.95E-07	8.46E-07	1.75E-06	2.04E-06	2.19E-06	2.34E-06
1.57E+00	8.73E-11	1.07E-05	6.55E-07	6.17E-07	1.28E-06	1.51E-06	1.60E-06	1.72E-06
1.66E+00	6.19E-11	7.83E-06	4.71E-07	4.44E-07	9.24E-07	1.09E-06	1.16E-06	1.24E-06
1.76E+00	4.34E-11	5.57E-06	3.33E-07	3.13E-07	6.55E-07	7.67E-07	8.17E-07	8.77E-07
1.86E+00	2.99E-11	3.86E-06	2.30E-07	2.15E-07	4.57E-07	5.36E-07	5.66E-07	6.07E-07
1.97E+00	2.03E-11	2.58E-06	1.56E-07	1.46E-07	3.09E-07	3.60E-07	3.86E-07	4.37E-07
2.09E+00	1.34E-11	1.65E-06	1.03E-07	9.65E-08	2.04E-07	2.37E-07	2.56E-07	2.90E-07
2.21E+00	8.69E-12	1.01E-06	6.61E-08	6.23E-08	1.32E-07	1.53E-07	1.66E-07	1.88E-07
2.34E+00	5.49E-12	6.05E-07	4.15E-08	3.91E-08	8.32E-08	9.70E-08	1.05E-07	1.19E-07
2.47E+00	3.37E-12	3.50E-07	2.54E-08	2.39E-08	5.07E-08	5.97E-08	6.42E-08	7.30E-08
2.62E+00	2.02E-12	1.97E-07	1.51E-08	1.42E-08	3.03E-08	3.58E-08	3.83E-08	4.36E-08
2.77E+00	1.17E-12	1.07E-07	8.70E-09	8.27E-09	1.75E-08	2.06E-08	2.22E-08	2.53E-08
2.93E+00	6.58E-13	5.58E-08	4.86E-09	4.59E-09	9.83E-09	1.16E-08	1.25E-08	1.42E-08
3.00E+00	5.17E-13	4.26E-08	3.81E-09	3.59E-09	7.72E-09	9.08E-09	9.83E-09	1.12E-08
3.10E+00	3.58E-13	2.82E-08	2.63E-09	2.48E-09	5.34E-09	6.27E-09	6.85E-09	7.72E-09
3.28E+00	1.88E-13	1.36E-08	1.37E-09	1.30E-09	2.81E-09	3.32E-09	3.65E-09	4.05E-09
3.48E+00	9.49E-14	6.34E-09	6.92E-10	6.52E-10	1.41E-09	1.67E-09	1.86E-09	2.50E-09
3.68E+00	4.61E-14	2.81E-09	3.36E-10	3.16E-10	6.85E-10	8.12E-10	9.02E-10	1.29E-09
3.89E+00	2.14E-14	1.37E-09	1.57E-10	1.46E-10	3.18E-10	3.78E-10	4.19E-10	6.06E-10
4.12E+00	9.43E-15	9.92E-10	7.11E-11	6.51E-11	1.42E-10	1.70E-10	1.87E-10	2.63E-10
4.36E+00	3.99E-15	7.15E-10	3.12E-11	2.76E-11	5.97E-11	7.19E-11	7.91E-11	1.09E-10
4.61E+00	1.61E-15	5.11E-10	1.34E-11	1.12E-11	2.40E-11	2.90E-11	3.19E-11	5.84E-11
4.88E+00	6.16E-16	3.61E-10	5.77E-12	4.26E-12	9.19E-12	1.11E-11	1.21E-11	2.25E-11
5.17E+00	2.23E-16	2.52E-10	2.56E-12	1.54E-12	3.32E-12	4.00E-12	4.38E-12	7.21E-12
5.47E+00	7.61E-17	1.73E-10	1.21E-12	5.22E-13	1.13E-12	1.36E-12	1.49E-12	2.16E-12
5.78E+00	2.44E-17	1.09E-10	5.99E-13	1.66E-13	3.62E-13	4.37E-13	4.77E-13	6.03E-13
6.12E+00	7.32E-18	5.76E-11	2.82E-13	4.96E-14	1.09E-13	1.31E-13	1.43E-13	1.64E-13
6.48E+00	2.05E-18	2.04E-11	9.98E-14	1.37E-14	3.05E-14	3.71E-14	3.99E-14	6.04E-14
6.86E+00	5.33E-19	5.20E-12	2.67E-14	3.54E-15	7.88E-15	9.52E-15	1.04E-14	2.32E-14
7.26E+00	1.24E-19	1.22E-12	6.91E-15	8.48E-16	1.87E-15	2.28E-15	2.50E-15	8.68E-15
7.68E+00	1.77E-20	2.64E-13	1.74E-15	1.86E-16	4.11E-16	5.04E-16	5.47E-16	3.16E-15
8.13E+00	2.40E-21	5.22E-14	3.89E-16	3.73E-17	8.26E-17	1.03E-16	1.12E-16	1.11E-15
8.60E+00	3.17E-22	9.38E-15	7.75E-17	6.79E-18	1.51E-17	1.89E-17	2.07E-17	3.72E-16
9.10E+00	4.09E-23	1.74E-15	1.40E-17	1.12E-18	2.51E-18	3.14E-18	3.42E-18	1.18E-16
9.63E+00	5.17E-24	2.56E-16	2.10E-18	1.68E-19	3.75E-19	4.72E-19	5.14E-19	3.53E-17
1.00E+01	1.27E-24	6.71E-17	5.65E-19	4.40E-20	9.94E-20	1.26E-19	1.37E-19	1.53E-17
1.02E+01	6.27E-25	3.37E-17	2.90E-19	2.22E-20	5.02E-20	6.37E-20	6.95E-20	9.90E-18
1.08E+01	7.08E-26	3.95E-18	3.71E-20	2.62E-21	5.93E-21	7.62E-21	8.35E-21	2.30E-18
1.14E+01	7.27E-27	4.08E-19	4.11E-21	2.76E-22	6.30E-22	8.07E-22	8.84E-22	2.63E-19
1.21E+01	6.64E-28	3.84E-20	4.07E-22	2.55E-23	5.85E-23	7.48E-23	8.24E-23	2.88E-20
1.28E+01	5.23E-29	2.89E-21	3.18E-23	2.04E-24	4.70E-24	6.04E-24	6.64E-24	2.20E-21
1.35E+01	3.19E-30	1.96E-22	2.17E-24	1.42E-25	3.28E-25	4.20E-25	4.60E-25	1.44E-22
1.43E+01	0.00E+00	1.13E-23	1.33E-25	8.45E-27	1.95E-26	2.52E-26	2.76E-26	8.17E-24
1.51E+01	0.00E+00	6.83E-25	6.70E-27	4.23E-28	9.84E-28	1.28E-27	1.40E-27	3.77E-25
1.60E+01	0.00E+00	2.89E-26	2.68E-28	1.70E-29	4.19E-29	5.35E-29	5.96E-29	1.38E-26
1.70E+01	0.00E+00	1.02E-27	8.70E-30	0.00E+00	1.31E-30	1.70E-30	1.89E-30	4.26E-28
1.80E+01	0.00E+00	2.96E-29	2.23E-31	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.08E-29
1.90E+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

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

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

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

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

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

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

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

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

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

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

6.60E+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

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

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

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

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

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

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

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

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

6.01E+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

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

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

8.93E+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

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

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

Summary of dose at graphical times, reptition 3

Time — Dose statistics at graphical times, mrem/yr

Years	Minimum	Maximum	Mean	Median	90%	95%	97.5%	99%
0.00E+00	7.45E-08	2.78E-03	2.13E-04	1.98E-04	3.87E-04	4.43E-04	4.85E-04	6.94E-04
1.00E+00	2.09E-09	3.26E-05	5.15E-06	4.99E-06	1.01E-05	1.14E-05	1.27E-05	1.33E-05
1.06E+00	1.70E-09	2.69E-05	4.17E-06	4.04E-06	8.18E-06	9.29E-06	1.03E-05	1.08E-05
1.12E+00	1.36E-09	2.19E-05	3.33E-06	3.24E-06	6.52E-06	7.44E-06	8.25E-06	8.67E-06
1.19E+00	1.08E-09	1.76E-05	2.63E-06	2.54E-06	5.20E-06	5.89E-06	6.51E-06	6.92E-06
1.25E+00	8.42E-10	1.40E-05	2.05E-06	1.99E-06	4.04E-06	4.60E-06	5.08E-06	5.40E-06
1.33E+00	6.48E-10	1.09E-05	1.57E-06	1.52E-06	3.11E-06	3.54E-06	3.94E-06	4.15E-06
1.40E+00	4.92E-10	8.39E-06	1.19E-06	1.15E-06	2.35E-06	2.71E-06	3.00E-06	3.14E-06
1.49E+00	3.67E-10	6.35E-06	8.84E-07	8.53E-07	1.74E-06	2.02E-06	2.24E-06	2.34E-06
1.57E+00	2.69E-10	4.73E-06	6.47E-07	6.23E-07	1.28E-06	1.48E-06	1.65E-06	1.73E-06
1.66E+00	1.94E-10	3.45E-06	4.65E-07	4.46E-07	9.22E-07	1.07E-06	1.19E-06	1.27E-06
1.76E+00	9.17E-11	2.47E-06	3.28E-07	3.13E-07	6.49E-07	7.61E-07	8.44E-07	9.37E-07
1.86E+00	4.11E-11	1.74E-06	2.27E-07	2.17E-07	4.49E-07	5.24E-07	5.85E-07	6.51E-07
1.97E+00	1.88E-11	1.19E-06	1.53E-07	1.47E-07	3.03E-07	3.55E-07	3.97E-07	4.52E-07
2.09E+00	9.07E-12	7.99E-07	1.01E-07	9.67E-08	2.02E-07	2.35E-07	2.63E-07	3.06E-07
2.21E+00	4.66E-12	5.23E-07	6.55E-08	6.25E-08	1.31E-07	1.52E-07	1.71E-07	2.05E-07
2.34E+00	2.53E-12	3.34E-07	4.12E-08	3.94E-08	8.30E-08	9.61E-08	1.08E-07	1.37E-07
2.47E+00	1.43E-12	2.07E-07	2.52E-08	2.41E-08	5.09E-08	5.90E-08	6.63E-08	8.42E-08
2.62E+00	8.15E-13	1.25E-07	1.50E-08	1.42E-08	3.03E-08	3.53E-08	3.95E-08	5.07E-08
2.77E+00	4.62E-13	7.31E-08	8.65E-09	8.19E-09	1.76E-08	2.04E-08	2.28E-08	3.02E-08
2.93E+00	2.57E-13	4.14E-08	4.84E-09	4.58E-09	9.85E-09	1.15E-08	1.28E-08	1.65E-08
3.00E+00	2.01E-13	3.26E-08	3.79E-09	3.56E-09	7.72E-09	9.00E-09	1.00E-08	1.29E-08
3.10E+00	1.39E-13	2.27E-08	2.62E-09	2.46E-09	5.33E-09	6.20E-09	6.93E-09	8.96E-09
3.28E+00	7.28E-14	1.20E-08	1.37E-09	1.29E-09	2.80E-09	3.25E-09	3.62E-09	4.71E-09
3.48E+00	3.67E-14	6.07E-09	6.88E-10	6.48E-10	1.40E-09	1.64E-09	1.83E-09	2.39E-09
3.68E+00	1.78E-14	2.96E-09	3.33E-10	3.13E-10	6.79E-10	8.06E-10	8.86E-10	1.17E-09
3.89E+00	8.29E-15	1.85E-09	1.56E-10	1.45E-10	3.16E-10	3.70E-10	4.10E-10	5.52E-10
4.12E+00	3.69E-15	1.25E-09	6.99E-11	6.44E-11	1.40E-10	1.65E-10	1.82E-10	2.76E-10
4.36E+00	1.57E-15	8.57E-10	3.03E-11	2.72E-11	5.89E-11	6.97E-11	7.70E-11	1.22E-10
4.61E+00	6.35E-16	5.98E-10	1.28E-11	1.09E-11	2.37E-11	2.81E-11	3.11E-11	4.82E-11
4.88E+00	2.43E-16	4.18E-10	5.34E-12	4.17E-12	9.05E-12	1.08E-11	1.19E-11	1.85E-11
5.17E+00	8.78E-17	2.91E-10	2.26E-12	1.50E-12	3.27E-12	3.91E-12	4.30E-12	7.26E-12
5.47E+00	2.97E-17	1.89E-10	9.88E-13	5.08E-13	1.11E-12	1.33E-12	1.46E-12	2.79E-12
5.78E+00	9.48E-18	1.06E-10	4.30E-13	1.62E-13	3.55E-13	4.24E-13	4.68E-13	1.06E-12
6.12E+00	2.84E-18	4.34E-11	1.67E-13	4.82E-14	1.07E-13	1.27E-13	1.41E-13	4.04E-13
6.48E+00	7.95E-19	1.17E-11	5.41E-14	1.35E-14	3.00E-14	3.55E-14	3.92E-14	1.06E-13
6.86E+00	2.06E-19	2.91E-12	1.76E-14	3.49E-15	7.75E-15	9.20E-15	1.03E-14	2.08E-14
7.26E+00	4.95E-20	8.06E-13	5.09E-15	8.35E-16	1.87E-15	2.20E-15	2.46E-15	3.96E-15
7.68E+00	1.09E-20	2.15E-13	1.26E-15	1.84E-16	4.11E-16	5.01E-16	5.49E-16	1.30E-15
8.13E+00	1.69E-21	4.06E-14	2.47E-16	3.68E-17	8.29E-17	9.95E-17	1.10E-16	4.18E-16
8.60E+00	1.71E-22	6.81E-15	4.46E-17	6.75E-18	1.52E-17	1.83E-17	2.06E-17	1.30E-16
9.10E+00	1.56E-23	1.02E-15	7.48E-18	1.12E-18	2.51E-18	3.05E-18	3.43E-18	3.81E-17
9.63E+00	1.30E-24	1.43E-16	1.20E-18	1.67E-19	3.75E-19	4.58E-19	5.30E-19	1.06E-17
1.00E+01	2.39E-25	5.21E-17	3.50E-19	4.42E-20	1.01E-19	1.22E-19	1.40E-19	4.34E-18
1.02E+01	1.02E-25	3.20E-17	1.86E-19	2.23E-20	5.11E-20	6.15E-20	7.03E-20	2.75E-18
1.08E+01	7.94E-27	4.22E-18	2.27E-20	2.63E-21	5.94E-21	7.27E-21	8.30E-21	6.64E-19
1.14E+01	6.25E-28	4.46E-19	2.44E-21	2.77E-22	6.42E-22	7.69E-22	8.78E-22	1.01E-19
1.21E+01	4.78E-29	4.14E-20	2.23E-22	2.54E-23	5.89E-23	7.13E-23	8.11E-23	4.54E-21
1.28E+01	3.13E-30	3.34E-21	1.76E-23	2.04E-24	4.77E-24	5.76E-24	6.58E-24	7.23E-22
1.35E+01	0.00E+00	2.33E-22	1.32E-24	1.41E-25	3.28E-25	3.99E-25	4.58E-25	6.24E-23
1.43E+01	0.00E+00	1.39E-23	8.62E-26	8.38E-27	1.96E-26	2.36E-26	2.74E-26	3.43E-24
1.51E+01	0.00E+00	7.04E-25	4.37E-27	4.18E-28	9.87E-28	1.19E-27	1.39E-27	1.59E-25
1.60E+01	0.00E+00	3.00E-26	1.92E-28	1.67E-29	4.02E-29	4.95E-29	5.92E-29	6.98E-27
1.70E+01	0.00E+00	1.06E-27	7.20E-30	0.00E+00	1.23E-30	1.55E-30	1.87E-30	2.16E-28
1.80E+01	0.00E+00	3.09E-29	2.14E-31	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.41E-30
1.90E+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

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

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

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

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

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

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

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

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

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

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

6.60E+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

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

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

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

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

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

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

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

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

6.01E+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

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

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

8.93E+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

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

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
	Years	mrem/yr
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.