

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	2.83	1.79																
17	DCACTS(1)	LOGNORMAL-N	2.83	1.79																
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
Sb-125										
Min	0.00E+00	4.54E-06	4.07E-06	4.48E-06	3.03E-06	2.12E-15	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	1.77E+01	6.16E-02	5.55E-03	6.89E-03	2.78E-03	2.05E-02	7.98E-05	8.10E-13	0.00E+00	0.00E+00
Avg	3.09E-01	7.50E-04	5.58E-04	4.66E-04	2.51E-04	9.38E-05	2.37E-07	1.92E-15	0.00E+00	0.00E+00
Std	1.16E+00	2.53E-03	4.41E-04	4.49E-04	2.58E-04	1.02E-03	2.43E-06	2.23E-14	0.00E+00	0.00E+00
ALL										
Min	0.00E+00	4.54E-06	4.07E-06	4.48E-06	3.03E-06	2.12E-15	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	1.77E+01	6.16E-02	5.55E-03	6.89E-03	2.78E-03	2.05E-02	7.98E-05	8.10E-13	0.00E+00	0.00E+00
Avg	3.09E-01	7.50E-04	5.58E-04	4.66E-04	2.51E-04	9.38E-05	2.37E-07	1.92E-15	0.00E+00	0.00E+00
Std	1.16E+00	2.53E-03	4.41E-04	4.49E-04	2.58E-04	1.02E-03	2.43E-06	2.23E-14	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)							
	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/>								
Sb-125								
Min	1.30E-11	1.73E-10	1.21E-10	3.82E-19	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	4.65E-07	3.29E-07	1.55E-07	5.32E-07	2.03E-09	2.10E-17	0.00E+00	0.00E+00
Avg	1.77E-08	2.35E-08	1.28E-08	3.02E-09	8.66E-12	7.30E-20	0.00E+00	0.00E+00
Std	3.48E-08	2.17E-08	1.43E-08	2.46E-08	6.08E-11	5.83E-19	0.00E+00	0.00E+00
<hr/>								
ALL								
Min	1.30E-11	1.73E-10	1.21E-10	3.82E-19	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	4.65E-07	3.29E-07	1.55E-07	5.32E-07	2.03E-09	2.10E-17	0.00E+00	0.00E+00
Avg	1.77E-08	2.35E-08	1.28E-08	3.02E-09	8.66E-12	7.30E-20	0.00E+00	0.00E+00
Std	3.48E-08	2.17E-08	1.43E-08	2.46E-08	6.08E-11	5.83E-19	0.00E+00	0.00E+00
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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
Sb-125								
Min	1.33E-09	2.46E-20	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	1.25E-07	1.25E-06	1.23E-04	2.04E-02	7.94E-05	8.08E-13	0.00E+00	0.00E+00
Avg	2.42E-08	1.97E-08	2.83E-07	6.41E-05	1.26E-07	8.49E-16	0.00E+00	0.00E+00
Std	9.00E-09	5.98E-08	5.10E-06	1.02E-03	2.42E-06	2.22E-14	0.00E+00	0.00E+00
ALL								
Min	1.33E-09	2.46E-20	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	1.25E-07	1.25E-06	1.23E-04	2.04E-02	7.94E-05	8.08E-13	0.00E+00	0.00E+00
Avg	2.42E-08	1.97E-08	2.83E-07	6.41E-05	1.26E-07	8.49E-16	0.00E+00	0.00E+00
Std	9.00E-09	5.98E-08	5.10E-06	1.02E-03	2.42E-06	2.22E-14	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): 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
Sb-125								
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	9.73E-13	1.32E-09	5.03E-12	2.82E-20	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	6.49E-16	2.17E-12	6.70E-15	4.63E-23	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	2.51E-14	4.09E-11	1.50E-13	9.61E-22	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	9.73E-13	1.32E-09	5.03E-12	2.82E-20	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	6.49E-16	2.17E-12	6.70E-15	4.63E-23	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	2.51E-14	4.09E-11	1.50E-13	9.61E-22	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
<hr/>								
Sb-125								
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
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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
Sb-125								
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	1.04E-03	1.04E-03	7.67E-04	1.11E-04	8.40E-07	1.75E-14	0.00E+00	0.00E+00
Avg	3.42E-04	2.77E-04	1.27E-04	1.36E-05	5.04E-08	5.61E-16	0.00E+00	0.00E+00
Std	2.52E-04	2.47E-04	1.43E-04	2.10E-05	1.09E-07	1.86E-15	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	1.04E-03	1.04E-03	7.67E-04	1.11E-04	8.40E-07	1.75E-14	0.00E+00	0.00E+00
Avg	3.42E-04	2.77E-04	1.27E-04	1.36E-05	5.04E-08	5.61E-16	0.00E+00	0.00E+00
Std	2.52E-04	2.47E-04	1.43E-04	2.10E-05	1.09E-07	1.86E-15	0.00E+00	0.00E+00

ALL is total pathway dose summed for all nuclides.



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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
Sb-125								
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	4.90E-06	5.56E-06	4.11E-06	1.02E-06	4.49E-09	9.32E-17	0.00E+00	0.00E+00
Avg	1.66E-06	1.52E-06	6.91E-07	7.40E-08	2.73E-10	3.02E-18	0.00E+00	0.00E+00
Std	1.19E-06	1.32E-06	7.67E-07	1.15E-07	5.94E-10	9.97E-18	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	4.90E-06	5.56E-06	4.11E-06	1.02E-06	4.49E-09	9.32E-17	0.00E+00	0.00E+00
Avg	1.66E-06	1.52E-06	6.91E-07	7.40E-08	2.73E-10	3.02E-18	0.00E+00	0.00E+00
Std	1.19E-06	1.32E-06	7.67E-07	1.15E-07	5.94E-10	9.97E-18	0.00E+00	0.00E+00

ALL is total pathway dose summed for all nuclides.

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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
Sb-125								
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	3.70E-06	4.02E-06	2.97E-06	5.21E-07	3.25E-09	6.74E-17	0.00E+00	0.00E+00
Avg	1.24E-06	1.09E-06	4.98E-07	5.30E-08	1.96E-10	2.17E-18	0.00E+00	0.00E+00
Std	8.98E-07	9.57E-07	5.55E-07	8.20E-08	4.25E-10	7.21E-18	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	3.70E-06	4.02E-06	2.97E-06	5.21E-07	3.25E-09	6.74E-17	0.00E+00	0.00E+00
Avg	1.24E-06	1.09E-06	4.98E-07	5.30E-08	1.96E-10	2.17E-18	0.00E+00	0.00E+00
Std	8.98E-07	9.57E-07	5.55E-07	8.20E-08	4.25E-10	7.21E-18	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
<hr/>								
Sb-125								
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	4.54E-10	4.74E-07	1.80E-09	1.29E-17	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	3.03E-13	9.69E-10	3.07E-12	1.82E-20	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	1.17E-11	1.52E-08	6.08E-11	4.01E-19	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	4.54E-10	4.74E-07	1.80E-09	1.29E-17	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	3.03E-13	9.69E-10	3.07E-12	1.82E-20	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	1.17E-11	1.52E-08	6.08E-11	4.01E-19	0.00E+00	0.00E+00
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ALL is total pathway dose summed for all nuclides.

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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
Sb-125								
Min	2.63E-06	2.68E-06	1.68E-06	2.00E-15	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	4.71E-03	6.06E-03	2.53E-03	1.51E-04	3.88E-07	3.37E-15	0.00E+00	0.00E+00
Avg	1.95E-04	1.70E-04	1.12E-04	1.46E-05	5.44E-08	4.59E-16	0.00E+00	0.00E+00
Std	3.66E-04	3.80E-04	2.22E-04	2.00E-05	6.13E-08	6.02E-16	0.00E+00	0.00E+00
TOTAL								
Min	2.63E-06	2.68E-06	1.68E-06	2.00E-15	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	4.71E-03	6.06E-03	2.53E-03	1.51E-04	3.88E-07	3.37E-15	0.00E+00	0.00E+00
Avg	1.95E-04	1.70E-04	1.12E-04	1.46E-05	5.44E-08	4.59E-16	0.00E+00	0.00E+00
Std	3.66E-04	3.80E-04	2.22E-04	2.00E-05	6.13E-08	6.02E-16	0.00E+00	0.00E+00

TOTAL is total pathway dose summed for all nuclides.

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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
<hr/>								
Sb-125								
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
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ALL is total pathway dose summed for all nuclides.

Probabilistic results summary : RESRAD Default Parameters

File : C:\USERS\DNF\DOCUMENTS\FT CALHOUN\RESRAD INPUT FILES\BP INSITU UA\FCS BURIED PIPE INSITU UA SB-125.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
<hr/>								
Sb-125								
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 SB-125.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
Sb-125								
Min	1.32E-07	1.36E-07	8.70E-08	1.05E-16	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	4.95E-04	6.43E-04	3.08E-04	2.46E-05	1.09E-07	8.89E-16	0.00E+00	0.00E+00
Avg	1.77E-05	1.56E-05	1.03E-05	1.37E-06	5.28E-09	4.47E-17	0.00E+00	0.00E+00
Std	3.47E-05	3.71E-05	2.23E-05	2.14E-06	8.03E-09	7.49E-17	0.00E+00	0.00E+00
ALL								
Min	1.32E-07	1.36E-07	8.70E-08	1.05E-16	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	4.95E-04	6.43E-04	3.08E-04	2.46E-05	1.09E-07	8.89E-16	0.00E+00	0.00E+00
Avg	1.77E-05	1.56E-05	1.03E-05	1.37E-06	5.28E-09	4.47E-17	0.00E+00	0.00E+00
Std	3.47E-05	3.71E-05	2.23E-05	2.14E-06	8.03E-09	7.49E-17	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 SB-125.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
Sb-125								
Min	1.18E-08	1.28E-08	7.92E-09	1.07E-17	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	1.22E-05	1.70E-05	7.17E-06	4.44E-07	1.39E-09	1.36E-17	0.00E+00	0.00E+00
Avg	5.21E-07	4.69E-07	3.13E-07	4.22E-08	1.67E-10	1.59E-18	0.00E+00	0.00E+00
Std	9.22E-07	9.88E-07	5.99E-07	5.37E-08	1.78E-10	2.04E-18	0.00E+00	0.00E+00
ALL								
Min	1.18E-08	1.28E-08	7.92E-09	1.07E-17	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	1.22E-05	1.70E-05	7.17E-06	4.44E-07	1.39E-09	1.36E-17	0.00E+00	0.00E+00
Avg	5.21E-07	4.69E-07	3.13E-07	4.22E-08	1.67E-10	1.59E-18	0.00E+00	0.00E+00
Std	9.22E-07	9.88E-07	5.99E-07	5.37E-08	1.78E-10	2.04E-18	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 SB-125.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
Sb-125								
Min	5.27E-09	5.61E-09	3.46E-09	3.79E-18	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	4.85E-06	6.71E-06	2.92E-06	1.84E-07	6.09E-10	6.17E-18	0.00E+00	0.00E+00
Avg	1.97E-07	1.82E-07	1.21E-07	1.65E-08	6.67E-11	6.64E-19	0.00E+00	0.00E+00
Std	3.45E-07	3.79E-07	2.28E-07	2.06E-08	7.07E-11	8.62E-19	0.00E+00	0.00E+00
ALL								
Min	5.27E-09	5.61E-09	3.46E-09	3.79E-18	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	4.85E-06	6.71E-06	2.92E-06	1.84E-07	6.09E-10	6.17E-18	0.00E+00	0.00E+00
Avg	1.97E-07	1.82E-07	1.21E-07	1.65E-08	6.67E-11	6.64E-19	0.00E+00	0.00E+00
Std	3.45E-07	3.79E-07	2.28E-07	2.06E-08	7.07E-11	8.62E-19	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 SB-125.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	1.32E-05	1.31E-05	8.10E-06	8.04E-07	2.07E-23	0.00E+00	0.00E+00	0.00E+00
0.050	2.79E-05	2.42E-05	1.31E-05	1.39E-06	1.89E-14	0.00E+00	0.00E+00	0.00E+00
0.075	4.87E-05	3.70E-05	1.80E-05	1.94E-06	4.09E-11	0.00E+00	0.00E+00	0.00E+00
0.100	8.39E-05	5.34E-05	2.56E-05	2.61E-06	2.04E-09	0.00E+00	0.00E+00	0.00E+00
0.125	1.24E-04	7.38E-05	3.27E-05	3.21E-06	7.00E-09	0.00E+00	0.00E+00	0.00E+00
0.150	1.81E-04	8.84E-05	3.95E-05	4.15E-06	9.36E-09	0.00E+00	0.00E+00	0.00E+00
0.175	2.61E-04	1.15E-04	4.77E-05	4.81E-06	1.22E-08	1.11E-26	0.00E+00	0.00E+00
0.200	3.10E-04	1.50E-04	5.77E-05	5.65E-06	1.52E-08	1.64E-24	0.00E+00	0.00E+00
0.225	3.26E-04	1.83E-04	6.99E-05	6.51E-06	1.81E-08	1.49E-22	0.00E+00	0.00E+00
0.250	3.40E-04	2.14E-04	8.07E-05	7.58E-06	2.05E-08	1.05E-20	0.00E+00	0.00E+00
0.275	3.56E-04	2.47E-04	9.64E-05	8.28E-06	2.49E-08	1.41E-19	0.00E+00	0.00E+00
0.300	3.69E-04	2.74E-04	1.09E-04	9.50E-06	2.89E-08	1.40E-18	0.00E+00	0.00E+00
0.325	3.84E-04	2.98E-04	1.19E-04	1.11E-05	3.29E-08	9.73E-18	0.00E+00	0.00E+00
0.350	3.98E-04	3.13E-04	1.34E-04	1.22E-05	3.67E-08	4.17E-17	0.00E+00	0.00E+00
0.375	4.12E-04	3.25E-04	1.47E-04	1.39E-05	4.13E-08	8.71E-17	0.00E+00	0.00E+00
0.400	4.23E-04	3.39E-04	1.58E-04	1.55E-05	4.51E-08	1.52E-16	0.00E+00	0.00E+00
0.425	4.35E-04	3.57E-04	1.77E-04	1.71E-05	5.07E-08	2.11E-16	0.00E+00	0.00E+00
0.450	4.52E-04	3.70E-04	1.86E-04	1.88E-05	5.53E-08	2.76E-16	0.00E+00	0.00E+00
0.475	4.73E-04	3.82E-04	1.93E-04	2.07E-05	6.09E-08	3.14E-16	0.00E+00	0.00E+00
0.500	4.88E-04	3.98E-04	2.02E-04	2.28E-05	6.72E-08	3.88E-16	0.00E+00	0.00E+00
0.525	5.09E-04	4.10E-04	2.11E-04	2.52E-05	7.40E-08	4.41E-16	0.00E+00	0.00E+00
0.550	5.28E-04	4.24E-04	2.21E-04	2.71E-05	7.98E-08	4.90E-16	0.00E+00	0.00E+00
0.575	5.52E-04	4.39E-04	2.31E-04	2.88E-05	8.52E-08	5.38E-16	0.00E+00	0.00E+00
0.600	5.68E-04	4.60E-04	2.43E-04	3.10E-05	9.29E-08	6.02E-16	0.00E+00	0.00E+00
0.625	5.84E-04	4.77E-04	2.53E-04	3.26E-05	1.01E-07	6.83E-16	0.00E+00	0.00E+00
0.650	6.11E-04	4.98E-04	2.63E-04	3.43E-05	1.11E-07	7.62E-16	0.00E+00	0.00E+00
0.675	6.37E-04	5.23E-04	2.76E-04	3.59E-05	1.23E-07	8.55E-16	0.00E+00	0.00E+00
0.700	6.58E-04	5.41E-04	2.93E-04	3.79E-05	1.34E-07	9.70E-16	0.00E+00	0.00E+00
0.725	6.84E-04	5.69E-04	3.06E-04	4.07E-05	1.49E-07	1.07E-15	0.00E+00	0.00E+00
0.750	7.18E-04	6.03E-04	3.28E-04	4.34E-05	1.64E-07	1.15E-15	0.00E+00	0.00E+00
0.775	7.51E-04	6.38E-04	3.52E-04	4.65E-05	1.78E-07	1.32E-15	0.00E+00	0.00E+00
0.800	7.79E-04	6.74E-04	3.75E-04	5.11E-05	1.96E-07	1.47E-15	0.00E+00	0.00E+00
0.825	8.16E-04	7.12E-04	4.03E-04	5.45E-05	2.19E-07	1.66E-15	0.00E+00	0.00E+00
0.850	8.56E-04	7.56E-04	4.41E-04	6.06E-05	2.37E-07	1.97E-15	0.00E+00	0.00E+00
0.875	9.01E-04	8.08E-04	4.69E-04	6.57E-05	2.64E-07	2.36E-15	0.00E+00	0.00E+00
0.900	9.64E-04	8.61E-04	5.03E-04	7.25E-05	2.91E-07	3.04E-15	0.00E+00	0.00E+00
0.925	1.03E-03	9.19E-04	5.56E-04	7.98E-05	3.31E-07	3.70E-15	0.00E+00	0.00E+00
0.950	1.16E-03	1.03E-03	6.35E-04	9.00E-05	3.82E-07	5.31E-15	0.00E+00	0.00E+00
0.975	1.49E-03	1.47E-03	8.99E-04	1.09E-04	4.90E-07	7.45E-15	0.00E+00	0.00E+00
1.000	5.55E-03	6.89E-03	2.78E-03	2.05E-02	7.98E-05	8.10E-13	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 SB-125.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	4.54E-06	3.73E-03	5.59E-04	4.76E-04	1.00E-03	1.19E-03	1.47E-03	2.46E-03
1.00E+00	4.48E-06	4.40E-03	4.68E-04	3.93E-04	8.81E-04	1.07E-03	1.54E-03	2.53E-03
1.06E+00	4.44E-06	4.38E-03	4.60E-04	3.84E-04	8.65E-04	1.05E-03	1.52E-03	2.50E-03
1.12E+00	4.39E-06	4.35E-03	4.51E-04	3.74E-04	8.48E-04	1.04E-03	1.51E-03	2.46E-03
1.19E+00	4.33E-06	4.32E-03	4.42E-04	3.65E-04	8.31E-04	1.02E-03	1.50E-03	2.43E-03
1.25E+00	4.28E-06	4.29E-03	4.33E-04	3.56E-04	8.16E-04	1.00E-03	1.50E-03	2.39E-03
1.33E+00	4.22E-06	4.25E-03	4.23E-04	3.49E-04	8.02E-04	9.82E-04	1.50E-03	2.35E-03
1.40E+00	4.15E-06	4.20E-03	4.13E-04	3.37E-04	7.87E-04	9.61E-04	1.49E-03	2.31E-03
1.49E+00	4.09E-06	4.15E-03	4.03E-04	3.28E-04	7.69E-04	9.40E-04	1.48E-03	2.27E-03
1.57E+00	4.02E-06	4.09E-03	3.92E-04	3.21E-04	7.53E-04	9.18E-04	1.47E-03	2.22E-03
1.66E+00	3.95E-06	3.99E-03	3.81E-04	3.10E-04	7.36E-04	8.95E-04	1.42E-03	2.17E-03
1.76E+00	3.88E-06	3.87E-03	3.70E-04	2.99E-04	7.18E-04	8.72E-04	1.39E-03	2.15E-03
1.86E+00	3.80E-06	3.69E-03	3.58E-04	2.90E-04	6.96E-04	8.59E-04	1.37E-03	2.11E-03
1.97E+00	3.72E-06	3.48E-03	3.46E-04	2.80E-04	6.67E-04	8.43E-04	1.30E-03	2.05E-03
2.09E+00	3.63E-06	3.22E-03	3.34E-04	2.70E-04	6.46E-04	8.09E-04	1.24E-03	1.98E-03
2.21E+00	3.55E-06	2.92E-03	3.21E-04	2.61E-04	6.28E-04	7.89E-04	1.20E-03	1.91E-03
2.24E+00	3.46E-06	2.57E-03	3.09E-04	2.51E-04	6.02E-04	7.66E-04	1.17E-03	1.85E-03
2.27E+00	3.37E-06	2.20E-03	2.96E-04	2.41E-04	5.85E-04	7.21E-04	1.15E-03	1.78E-03
2.26E+00	3.27E-06	2.11E-03	2.82E-04	2.30E-04	5.64E-04	6.66E-04	1.12E-03	1.72E-03
2.27E+00	3.17E-06	2.03E-03	2.69E-04	2.19E-04	5.38E-04	6.40E-04	1.10E-03	1.66E-03
2.29E+00	3.07E-06	1.95E-03	2.56E-04	2.09E-04	5.11E-04	6.13E-04	1.06E-03	1.40E-03
3.00E+00	3.03E-06	1.92E-03	2.50E-04	2.03E-04	5.02E-04	5.94E-04	1.02E-03	1.38E-03
3.10E+00	2.97E-06	1.87E-03	2.43E-04	1.97E-04	4.89E-04	5.77E-04	9.63E-04	1.33E-03
3.28E+00	2.86E-06	1.79E-03	2.30E-04	1.86E-04	4.67E-04	5.51E-04	9.21E-04	1.16E-03
3.48E+00	2.75E-06	1.70E-03	2.17E-04	1.76E-04	4.41E-04	5.26E-04	8.40E-04	1.10E-03
3.68E+00	2.64E-06	1.62E-03	2.05E-04	1.65E-04	4.16E-04	5.01E-04	8.16E-04	1.07E-03
3.89E+00	2.53E-06	1.54E-03	1.93E-04	1.55E-04	3.93E-04	4.72E-04	7.67E-04	1.10E-03
4.12E+00	2.41E-06	2.26E-03	1.82E-04	1.44E-04	3.72E-04	4.41E-04	7.18E-04	1.04E-03
4.36E+00	2.30E-06	3.38E-03	1.73E-04	1.34E-04	3.48E-04	4.21E-04	6.70E-04	9.83E-04
4.61E+00	2.18E-06	5.54E-03	1.65E-04	1.24E-04	3.26E-04	3.96E-04	6.23E-04	9.23E-04
4.88E+00	1.83E-06	9.69E-03	1.62E-04	1.15E-04	3.05E-04	3.66E-04	5.76E-04	8.33E-04
5.17E+00	8.00E-07	1.36E-02	1.58E-04	1.05E-04	2.80E-04	3.35E-04	5.22E-04	8.04E-04
5.47E+00	3.33E-07	1.59E-02	1.53E-04	9.44E-05	2.57E-04	3.11E-04	4.58E-04	7.45E-04
5.78E+00	1.32E-07	1.53E-02	1.43E-04	8.63E-05	2.37E-04	2.87E-04	3.94E-04	6.88E-04
6.12E+00	4.95E-08	1.25E-02	1.31E-04	7.86E-05	2.11E-04	2.63E-04	3.58E-04	5.65E-04
6.48E+00	1.76E-08	1.01E-02	1.24E-04	7.08E-05	1.93E-04	2.41E-04	2.92E-04	5.17E-04
6.86E+00	4.16E-09	1.65E-02	1.26E-04	6.14E-05	1.72E-04	2.18E-04	2.66E-04	4.34E-04
7.26E+00	6.91E-10	2.28E-02	1.26E-04	5.45E-05	1.55E-04	1.92E-04	2.27E-04	3.28E-04
7.68E+00	1.04E-10	2.39E-02	1.18E-04	4.87E-05	1.36E-04	1.70E-04	1.99E-04	2.87E-04
8.13E+00	1.39E-11	2.02E-02	1.00E-04	4.28E-05	1.21E-04	1.44E-04	1.78E-04	2.50E-04
8.60E+00	1.67E-12	1.69E-02	8.51E-05	3.67E-05	1.05E-04	1.27E-04	1.52E-04	2.21E-04
9.10E+00	1.77E-13	1.40E-02	7.19E-05	2.99E-05	9.24E-05	1.13E-04	1.34E-04	1.64E-04
9.63E+00	1.64E-14	1.14E-02	6.10E-05	2.48E-05	7.95E-05	9.71E-05	1.14E-04	1.54E-04
1.00E+01	3.11E-15	9.93E-03	5.49E-05	2.23E-05	7.24E-05	8.78E-05	1.04E-04	1.92E-04
1.02E+01	1.32E-15	9.23E-03	5.22E-05	2.10E-05	6.90E-05	8.37E-05	9.83E-05	2.17E-04
1.08E+01	9.06E-17	7.35E-03	4.59E-05	1.74E-05	5.86E-05	7.15E-05	8.41E-05	3.29E-04
1.14E+01	5.40E-18	5.77E-03	4.34E-05	1.42E-05	4.91E-05	6.07E-05	7.18E-05	2.35E-04
1.21E+01	2.73E-19	9.32E-03	4.62E-05	1.15E-05	3.95E-05	5.15E-05	6.03E-05	1.48E-04
1.28E+01	1.16E-20	6.17E-03	3.59E-05	9.30E-06	3.33E-05	4.27E-05	5.16E-05	8.85E-05
1.35E+01	4.10E-22	2.90E-03	2.22E-05	7.37E-06	2.64E-05	3.38E-05	4.11E-05	5.39E-05
1.43E+01	1.20E-23	3.61E-03	1.98E-05	5.81E-06	2.14E-05	2.74E-05	3.14E-05	3.98E-05
1.51E+01	2.83E-25	2.71E-03	1.54E-05	4.66E-06	1.69E-05	2.15E-05	2.51E-05	3.22E-05
1.60E+01	5.40E-27	1.99E-03	1.19E-05	3.71E-06	1.34E-05	1.68E-05	1.98E-05	2.44E-05
1.70E+01	7.97E-29	1.44E-03	9.12E-06	2.91E-06	1.04E-05	1.29E-05	1.55E-05	1.92E-05
1.80E+01	0.00E+00	1.01E-03	6.64E-06	2.21E-06	7.95E-06	9.82E-06	1.19E-05	1.49E-05
1.90E+01	0.00E+00	6.99E-04	4.89E-06	1.60E-06	6.00E-06	7.44E-06	9.03E-06	1.15E-05

2.01E+01 0.00E+00 4.70E-04 3.76E-06 1.18E-06 4.46E-06 5.41E-06 6.84E-06 8.64E-06

2.13E+01 0.00E+00 5.44E-04 3.15E-06 8.64E-07 3.25E-06 3.91E-06 5.00E-06 6.42E-06

2.25E+01 0.00E+00 3.81E-04 2.13E-06 5.96E-07 2.31E-06 2.77E-06 3.58E-06 4.68E-06

2.38E+01 0.00E+00 2.38E-04 1.36E-06 4.05E-07 1.63E-06 1.94E-06 2.42E-06 3.12E-06

2.52E+01 0.00E+00 1.43E-04 8.53E-07 2.75E-07 1.12E-06 1.38E-06 1.79E-06 2.20E-06



2.67E+01 0.00E+00 8.21E-05 5.24E-07 1.79E-07 7.60E-07 9.29E-07 1.14E-06 1.52E-06

2.82E+01 0.00E+00 4.33E-05 3.15E-07 1.16E-07 5.13E-07 6.27E-07 7.22E-07 1.02E-06

2.99E+01 0.00E+00 2.09E-05 1.85E-07 7.28E-08 3.31E-07 4.01E-07 5.00E-07 6.75E-07

3.00E+01 0.00E+00 1.97E-05 1.79E-07 7.03E-08 3.22E-07 3.88E-07 4.85E-07 6.55E-07

3.16E+01 0.00E+00 8.63E-06 1.04E-07 4.38E-08 2.05E-07 2.57E-07 3.19E-07 4.50E-07

3.35E+01 0.00E+00 2.18E-06 5.39E-08 2.52E-08 1.23E-07 1.56E-07 2.05E-07 2.89E-07

3.54E+01 0.00E+00 5.80E-07 2.75E-08 1.43E-08 7.26E-08 9.31E-08 1.23E-07 1.46E-07

3.75E+01 0.00E+00 2.20E-07 1.55E-08 8.17E-09 4.10E-08 5.35E-08 7.22E-08 8.67E-08



3.97E+01 0.00E+00 7.19E-08 8.56E-09 4.38E-09 2.32E-08 2.92E-08 4.11E-08 5.12E-08

4.20E+01 0.00E+00 3.58E-08 4.58E-09 2.36E-09 1.25E-08 1.58E-08 2.17E-08 2.78E-08

4.44E+01 0.00E+00 1.93E-08 2.37E-09 1.21E-09 6.51E-09 8.12E-09 1.14E-08 1.50E-08

4.70E+01 0.00E+00 1.00E-08 1.19E-09 5.89E-10 3.26E-09 4.13E-09 5.76E-09 7.81E-09

4.97E+01 0.00E+00 5.00E-09 5.75E-10 2.80E-10 1.56E-09 2.01E-09 2.84E-09 3.91E-09

5.26E+01 0.00E+00 2.40E-09 2.68E-10 1.29E-10 7.48E-10 9.24E-10 1.42E-09 1.88E-09

5.57E+01 0.00E+00 1.13E-09 1.20E-10 5.81E-11 3.42E-10 4.30E-10 6.32E-10 9.81E-10

5.90E+01 0.00E+00 7.79E-10 5.21E-11 2.32E-11 1.45E-10 1.88E-10 2.93E-10 4.32E-10



24E+01 0.00E+00 5.61E-10 2.16E-11 9.06E-12 5.71E-11 7.85E-11 1.19E-10 1.82E-10

60E+01 0.00E+00 4.16E-10 8.58E-12 3.37E-12 2.19E-11 3.03E-11 4.57E-11 7.22E-11

99E+01 0.00E+00 3.13E-10 3.44E-12 1.19E-12 8.00E-12 1.14E-11 1.67E-11 2.73E-11

7.39E+01 0.00E+00 2.35E-10 1.45E-12 4.01E-13 2.69E-12 4.09E-12 6.25E-12 9.81E-12

7.82E+01 0.00E+00 1.75E-10 6.70E-13 1.21E-13 9.03E-13 1.37E-12 2.02E-12 3.28E-12

8.28E+01 0.00E+00 1.30E-10 3.58E-13 3.82E-14 2.75E-13 4.42E-13 6.20E-13 1.03E-12

8.76E+01 0.00E+00 3.28E-11 9.37E-14 1.06E-14 7.91E-14 1.30E-13 1.81E-13 3.04E-13

9.27E+01 0.00E+00 7.45E-12 2.24E-14 2.70E-15 2.05E-14 3.46E-14 5.79E-14 8.36E-14



9.81E+01 0.00E+00 1.46E-12 4.80E-15 6.40E-16 5.00E-15 8.52E-15 1.47E-14 2.37E-14

1.00E+02 0.00E+00 8.10E-13 2.78E-15 3.87E-16 3.13E-15 5.30E-15 9.16E-15 1.48E-14

1.04E+02 0.00E+00 2.31E-13 9.00E-16 1.38E-16 1.17E-15 1.99E-15 3.45E-15 5.58E-15

1.10E+02 0.00E+00 2.37E-14 1.43E-16 2.68E-17 2.30E-16 4.15E-16 7.45E-16 1.21E-15

1.16E+02 0.00E+00 1.82E-15 2.02E-17 4.95E-18 4.27E-17 7.90E-17 1.28E-16 2.14E-16

1.23E+02 0.00E+00 6.83E-16 4.20E-18 7.44E-19 7.24E-18 1.41E-17 2.32E-17 3.85E-17

1.30E+02 0.00E+00 2.43E-16 9.36E-19 1.08E-19 1.09E-18 2.17E-18 3.79E-18 6.40E-18

1.38E+02 0.00E+00 5.86E-17 1.82E-19 1.40E-20 1.57E-19 3.10E-19 5.57E-19 9.75E-19



1.46E+02 0.00E+00 7.07E-18 2.25E-20 1.74E-21 2.07E-20 4.02E-20 7.33E-20 1.34E-19

1.54E+02 0.00E+00 7.55E-19 2.48E-21 1.73E-22 2.40E-21 4.72E-21 8.57E-21 1.56E-20

1.63E+02 0.00E+00 7.07E-20 2.41E-22 1.22E-23 2.32E-22 5.02E-22 9.69E-22 1.60E-21

1.73E+02 0.00E+00 5.77E-21 2.09E-23 8.32E-25 1.96E-23 4.37E-23 1.06E-22 1.52E-22

1.83E+02 0.00E+00 4.07E-22 1.61E-24 1.98E-26 1.58E-24 3.44E-24 8.97E-24 1.79E-23

1.94E+02 0.00E+00 2.46E-23 1.14E-25 7.06E-28 1.02E-25 2.39E-25 5.98E-25 1.66E-24

2.05E+02 0.00E+00 1.26E-24 7.54E-27 1.33E-29 5.43E-27 1.47E-26 4.10E-26 1.81E-25

2.17E+02 0.00E+00 5.45E-26 4.91E-28 0.00E+00 2.71E-28 7.20E-28 2.02E-27 1.77E-26



2.29E+02 0.00E+00 3.04E-27 3.10E-29 0.00E+00 6.16E-30 2.88E-29 8.62E-29 1.62E-27

2.43E+02 0.00E+00 2.34E-28 1.83E-30 0.00E+00 0.00E+00 0.00E+00 2.89E-30 5.75E-29

2.57E+02 0.00E+00 1.29E-29 7.45E-32 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 1.30E-30

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 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 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 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

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 SB-125.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	4.46E-06	5.55E-03	5.55E-04	4.87E-04	9.64E-04	1.19E-03	1.59E-03	2.11E-03
1.00E+00	4.77E-06	6.89E-03	4.70E-04	4.05E-04	8.49E-04	1.02E-03	1.60E-03	2.02E-03
1.06E+00	4.73E-06	6.88E-03	4.62E-04	3.95E-04	8.37E-04	1.01E-03	1.58E-03	2.02E-03
1.12E+00	4.69E-06	6.86E-03	4.54E-04	3.86E-04	8.32E-04	9.89E-04	1.56E-03	2.02E-03
1.19E+00	4.65E-06	6.82E-03	4.45E-04	3.77E-04	8.21E-04	9.71E-04	1.55E-03	2.01E-03
1.25E+00	4.61E-06	6.75E-03	4.36E-04	3.64E-04	8.08E-04	9.54E-04	1.53E-03	2.00E-03
1.33E+00	4.56E-06	6.68E-03	4.26E-04	3.56E-04	7.85E-04	9.37E-04	1.51E-03	1.98E-03
1.40E+00	4.51E-06	6.54E-03	4.17E-04	3.42E-04	7.71E-04	9.23E-04	1.49E-03	1.97E-03
1.49E+00	4.45E-06	6.36E-03	4.06E-04	3.33E-04	7.53E-04	8.98E-04	1.46E-03	1.95E-03
1.57E+00	4.39E-06	6.14E-03	3.96E-04	3.21E-04	7.36E-04	8.84E-04	1.43E-03	1.92E-03
1.66E+00	4.33E-06	5.86E-03	3.85E-04	3.10E-04	7.22E-04	8.63E-04	1.40E-03	1.90E-03
1.76E+00	4.27E-06	5.55E-03	3.74E-04	2.98E-04	7.03E-04	8.47E-04	1.36E-03	1.87E-03
1.86E+00	4.20E-06	5.16E-03	3.62E-04	2.88E-04	6.83E-04	8.26E-04	1.32E-03	1.84E-03
1.97E+00	4.11E-06	4.74E-03	3.50E-04	2.79E-04	6.64E-04	8.11E-04	1.27E-03	1.80E-03
2.09E+00	4.02E-06	4.27E-03	3.37E-04	2.69E-04	6.43E-04	7.98E-04	1.22E-03	1.77E-03
2.21E+00	3.92E-06	3.74E-03	3.24E-04	2.59E-04	6.21E-04	7.74E-04	1.18E-03	1.73E-03
2.24E+00	3.82E-06	3.25E-03	3.11E-04	2.48E-04	6.05E-04	7.56E-04	1.13E-03	1.68E-03
2.27E+00	3.72E-06	2.79E-03	2.98E-04	2.37E-04	5.82E-04	7.24E-04	1.09E-03	1.64E-03
2.26E+00	3.61E-06	2.49E-03	2.85E-04	2.25E-04	5.63E-04	6.99E-04	1.06E-03	1.58E-03
2.27E+00	3.50E-06	2.37E-03	2.72E-04	2.15E-04	5.41E-04	6.73E-04	1.02E-03	1.47E-03
2.29E+00	3.39E-06	2.21E-03	2.59E-04	2.07E-04	5.20E-04	6.53E-04	9.50E-04	1.38E-03
3.00E+00	3.34E-06	2.14E-03	2.53E-04	2.03E-04	5.11E-04	6.45E-04	9.39E-04	1.33E-03
3.31E+00	3.27E-06	2.01E-03	2.45E-04	1.97E-04	4.97E-04	6.34E-04	9.21E-04	1.30E-03
3.32E+00	3.15E-06	1.79E-03	2.32E-04	1.88E-04	4.68E-04	6.10E-04	8.67E-04	1.20E-03
3.48E+00	3.03E-06	1.53E-03	2.19E-04	1.78E-04	4.69E-04	5.86E-04	7.79E-04	1.15E-03
3.68E+00	2.91E-06	1.47E-03	2.07E-04	1.67E-04	4.29E-04	5.81E-04	7.02E-04	1.04E-03
3.89E+00	2.78E-06	1.41E-03	1.95E-04	1.57E-04	4.06E-04	5.39E-04	7.13E-04	1.01E-03
4.12E+00	2.66E-06	1.56E-03	1.84E-04	1.47E-04	3.80E-04	4.81E-04	6.83E-04	9.97E-04
4.36E+00	2.53E-06	2.54E-03	1.75E-04	1.38E-04	3.48E-04	4.53E-04	5.96E-04	9.43E-04
4.61E+00	2.40E-06	4.37E-03	1.70E-04	1.26E-04	3.24E-04	4.15E-04	5.71E-04	8.69E-04
4.88E+00	2.27E-06	7.88E-03	1.71E-04	1.16E-04	3.03E-04	3.78E-04	5.26E-04	7.83E-04
5.17E+00	2.14E-06	1.48E-02	1.87E-04	1.07E-04	2.82E-04	3.53E-04	4.89E-04	7.22E-04
5.47E+00	2.01E-06	2.95E-02	2.34E-04	9.68E-05	2.61E-04	3.31E-04	4.63E-04	6.96E-04
5.57E+00	1.37E-06	4.57E-02	2.92E-04	8.64E-05	2.34E-04	3.06E-04	4.22E-04	7.24E-04
6.12E+00	2.62E-07	5.85E-02	3.32E-04	7.95E-05	2.15E-04	2.82E-04	3.82E-04	6.21E-04
6.48E+00	4.59E-08	5.98E-02	3.26E-04	7.18E-05	1.95E-04	2.51E-04	3.52E-04	5.70E-04
6.86E+00	7.32E-09	5.32E-02	2.98E-04	6.50E-05	1.78E-04	2.25E-04	3.24E-04	5.19E-04
7.26E+00	1.05E-09	4.70E-02	2.76E-04	5.82E-05	1.61E-04	2.04E-04	2.88E-04	4.55E-04
7.68E+00	1.36E-10	4.12E-02	2.57E-04	5.11E-05	1.42E-04	1.83E-04	2.58E-04	3.87E-04
8.13E+00	1.57E-11	3.58E-02	2.44E-04	4.45E-05	1.28E-04	1.65E-04	2.24E-04	3.42E-04
8.60E+00	1.63E-12	3.08E-02	2.32E-04	3.90E-05	1.11E-04	1.45E-04	2.14E-04	3.14E-04
9.10E+00	1.50E-13	2.72E-02	2.08E-04	3.31E-05	9.74E-05	1.25E-04	1.71E-04	4.95E-04
9.63E+00	1.21E-14	2.30E-02	1.77E-04	2.83E-05	8.43E-05	1.07E-04	1.40E-04	8.20E-04
1.00E+01	2.12E-15	2.05E-02	1.59E-04	2.53E-05	7.65E-05	9.64E-05	1.29E-04	1.17E-03
1.02E+01	8.67E-16	1.94E-02	1.50E-04	2.39E-05	7.30E-05	9.19E-05	1.22E-04	1.41E-03
1.08E+01	5.44E-17	1.61E-02	1.28E-04	1.99E-05	6.20E-05	7.78E-05	9.97E-05	2.53E-03
1.14E+01	2.95E-18	1.32E-02	1.09E-04	1.59E-05	5.24E-05	6.35E-05	8.22E-05	1.87E-03
1.21E+01	1.38E-19	1.07E-02	9.11E-05	1.27E-05	4.35E-05	4.99E-05	6.34E-05	1.34E-03
1.28E+01	5.52E-21	8.59E-03	7.22E-05	9.70E-06	3.46E-05	4.17E-05	5.21E-05	9.46E-04
1.35E+01	1.86E-22	6.78E-03	5.70E-05	8.01E-06	2.77E-05	3.43E-05	4.23E-05	1.43E-03
1.43E+01	5.24E-24	5.28E-03	4.56E-05	6.39E-06	2.20E-05	2.72E-05	3.48E-05	1.74E-03
1.51E+01	1.22E-25	4.03E-03	3.43E-05	5.11E-06	1.74E-05	2.19E-05	2.75E-05	1.08E-03
1.60E+01	2.29E-27	3.03E-03	2.49E-05	3.85E-06	1.37E-05	1.72E-05	2.19E-05	6.09E-04
1.70E+01	3.21E-29	2.23E-03	1.76E-05	2.98E-06	1.06E-05	1.36E-05	1.77E-05	2.80E-04
1.80E+01	0.00E+00	1.60E-03	1.20E-05	2.19E-06	8.12E-06	1.05E-05	1.29E-05	5.48E-05
1.90E+01	0.00E+00	1.11E-03	7.97E-06	1.59E-06	6.00E-06	7.94E-06	9.44E-06	2.78E-05

2.01E+01 0.00E+00 7.47E-04 5.11E-06 1.15E-06 4.43E-06 5.93E-06 7.04E-06 1.29E-05



2.13E+01 0.00E+00 4.87E-04 3.09E-06 8.27E-07 3.24E-06 4.25E-06 4.99E-06 1.05E-05

2.25E+01 0.00E+00 3.04E-04 1.84E-06 5.86E-07 2.23E-06 3.01E-06 3.48E-06 4.43E-06

2.38E+01 0.00E+00 1.81E-04 1.20E-06 3.98E-07 1.52E-06 2.10E-06 2.43E-06 3.18E-06

2.52E+01 0.00E+00 9.93E-05 7.70E-07 2.60E-07 1.06E-06 1.39E-06 1.68E-06 2.20E-06

2.67E+01 0.00E+00 4.67E-05 4.84E-07 1.76E-07 6.92E-07 9.27E-07 1.13E-06 1.49E-06

2.82E+01 0.00E+00 2.57E-05 3.08E-07 1.15E-07 4.46E-07 6.03E-07 7.57E-07 9.84E-07

2.99E+01 0.00E+00 3.55E-05 2.14E-07 7.15E-08 2.91E-07 3.94E-07 4.92E-07 6.37E-07

3.00E+01 0.00E+00 3.66E-05 2.11E-07 6.86E-08 2.82E-07 3.82E-07 4.77E-07 6.17E-07



3.16E+01 0.00E+00 3.35E-05 1.53E-07 4.21E-08 1.80E-07 2.48E-07 3.03E-07 4.04E-07

3.35E+01 0.00E+00 1.63E-05 8.38E-08 2.57E-08 1.11E-07 1.48E-07 1.88E-07 2.50E-07

3.54E+01 0.00E+00 6.80E-06 4.31E-08 1.50E-08 6.62E-08 8.80E-08 1.14E-07 1.52E-07

3.75E+01 0.00E+00 2.08E-06 2.08E-08 8.47E-09 3.87E-08 5.20E-08 6.61E-08 9.06E-08

3.97E+01 0.00E+00 5.46E-07 9.17E-09 4.41E-09 2.23E-08 2.98E-08 3.68E-08 4.85E-08

4.20E+01 0.00E+00 2.50E-07 4.83E-09 2.28E-09 1.23E-08 1.63E-08 2.02E-08 2.68E-08

4.44E+01 0.00E+00 1.10E-07 2.46E-09 1.15E-09 6.32E-09 8.50E-09 1.11E-08 1.43E-08

4.70E+01 0.00E+00 4.58E-08 1.23E-09 5.43E-10 3.28E-09 4.28E-09 5.73E-09 8.19E-09



4.97E+01 0.00E+00 1.82E-08 5.86E-10 2.57E-10 1.61E-09 2.12E-09 2.80E-09 3.67E-09

5.26E+01 0.00E+00 6.82E-09 2.71E-10 1.19E-10 7.21E-10 1.00E-09 1.33E-09 1.76E-09

5.57E+01 0.00E+00 4.69E-09 1.24E-10 5.12E-11 3.19E-10 4.74E-10 6.12E-10 8.87E-10

5.90E+01 0.00E+00 3.85E-09 5.60E-11 2.13E-11 1.30E-10 1.99E-10 2.70E-10 3.60E-10

6.24E+01 0.00E+00 3.26E-09 2.60E-11 8.72E-12 5.42E-11 7.94E-11 1.12E-10 1.52E-10

6.60E+01 0.00E+00 2.79E-09 1.30E-11 3.25E-12 2.05E-11 3.34E-11 4.53E-11 6.10E-11

99E+01 0.00E+00 1.61E-09 5.93E-12 1.12E-12 7.75E-12 1.27E-11 1.74E-11 2.29E-11

7.39E+01 0.00E+00 4.88E-10 1.90E-12 3.73E-13 2.63E-12 4.39E-12 5.97E-12 8.36E-12



7.82E+01 0.00E+00 1.36E-10 5.69E-13 1.21E-13 8.32E-13 1.35E-12 1.99E-12 2.84E-12

8.28E+01 0.00E+00 3.45E-11 1.58E-13 3.56E-14 2.43E-13 4.27E-13 5.95E-13 8.92E-13

8.76E+01 0.00E+00 7.64E-12 4.06E-14 9.86E-15 6.87E-14 1.20E-13 1.72E-13 2.61E-13

9.27E+01 0.00E+00 1.46E-12 9.60E-15 2.63E-15 1.84E-14 3.14E-14 4.71E-14 7.06E-14

81E+01 0.00E+00 2.20E-13 2.09E-15 6.13E-16 4.42E-15 7.81E-15 1.19E-14 1.76E-14

1.00E+02 0.00E+00 1.05E-13 1.22E-15 3.72E-16 2.74E-15 4.83E-15 7.36E-15 1.09E-14

1.04E+02 0.00E+00 1.58E-14 4.04E-16 1.26E-16 1.02E-15 1.83E-15 2.73E-15 4.06E-15

1.10E+02 0.00E+00 1.34E-15 7.76E-17 2.49E-17 2.13E-16 3.84E-16 5.67E-16 7.69E-16



1.16E+02 0.00E+00 2.69E-16 1.49E-17 4.75E-18 3.87E-17 7.63E-17 1.12E-16 1.50E-16

1.23E+02 0.00E+00 4.92E-17 2.58E-18 8.04E-19 6.60E-18 1.33E-17 2.00E-17 2.66E-17

1.30E+02 0.00E+00 8.15E-18 4.08E-19 1.12E-19 1.03E-18 2.12E-18 3.25E-18 4.27E-18

1.38E+02 0.00E+00 1.21E-18 5.80E-20 1.24E-20 1.44E-19 2.96E-19 4.75E-19 6.17E-19

1.46E+02 0.00E+00 1.62E-19 7.56E-21 1.26E-21 1.85E-20 4.15E-20 6.16E-20 7.96E-20

1.54E+02 0.00E+00 2.16E-20 9.01E-22 1.13E-22 2.12E-21 4.67E-21 7.85E-21 1.08E-20

1.63E+02 0.00E+00 7.28E-21 1.03E-22 5.86E-24 2.06E-22 4.63E-22 8.90E-22 1.09E-21

1.73E+02 0.00E+00 8.48E-22 9.83E-24 1.46E-25 1.89E-23 4.01E-23 8.00E-23 1.30E-22



1.83E+02 0.00E+00 9.74E-23 8.69E-25 2.69E-27 1.47E-24 3.02E-24 6.09E-24 1.15E-23

1.94E+02 0.00E+00 1.11E-23 7.37E-26 9.16E-29 9.92E-26 2.00E-25 4.07E-25 7.65E-25

2.05E+02 0.00E+00 1.22E-24 6.22E-27 0.00E+00 5.76E-27 1.12E-26 2.31E-26 4.36E-26

2.17E+02 0.00E+00 1.26E-25 5.25E-28 0.00E+00 3.00E-28 5.41E-28 1.12E-27 2.44E-27

2.29E+02 0.00E+00 1.18E-26 4.21E-29 0.00E+00 5.60E-30 2.36E-29 5.42E-29 1.40E-28

2.43E+02 0.00E+00 7.97E-28 2.70E-30 0.00E+00 0.00E+00 0.00E+00 1.58E-30 7.23E-30

2.57E+02 0.00E+00 3.03E-29 1.05E-31 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 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 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

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

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 SB-125.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	4.07E-06	4.69E-03	5.59E-04	4.99E-04	9.44E-04	1.12E-03	1.52E-03	2.17E-03
1.00E+00	5.45E-06	4.54E-03	4.60E-04	3.93E-04	8.48E-04	1.05E-03	1.28E-03	2.13E-03
1.06E+00	5.38E-06	4.48E-03	4.52E-04	3.86E-04	8.38E-04	1.03E-03	1.27E-03	2.15E-03
1.12E+00	5.31E-06	4.42E-03	4.43E-04	3.72E-04	8.22E-04	1.02E-03	1.27E-03	2.16E-03
1.19E+00	5.24E-06	4.35E-03	4.34E-04	3.64E-04	8.09E-04	1.00E-03	1.27E-03	2.17E-03
1.25E+00	5.16E-06	4.29E-03	4.25E-04	3.59E-04	7.98E-04	9.93E-04	1.26E-03	2.18E-03
1.33E+00	5.08E-06	4.21E-03	4.16E-04	3.48E-04	7.81E-04	9.71E-04	1.25E-03	2.19E-03
1.40E+00	5.00E-06	4.14E-03	4.06E-04	3.40E-04	7.71E-04	9.52E-04	1.25E-03	2.19E-03
1.49E+00	4.91E-06	4.05E-03	3.96E-04	3.29E-04	7.54E-04	9.34E-04	1.24E-03	2.15E-03
1.57E+00	4.82E-06	3.97E-03	3.86E-04	3.18E-04	7.36E-04	9.15E-04	1.22E-03	2.10E-03
1.66E+00	4.72E-06	3.88E-03	3.75E-04	3.07E-04	7.19E-04	9.05E-04	1.20E-03	2.05E-03
1.76E+00	4.62E-06	3.79E-03	3.65E-04	3.00E-04	7.00E-04	8.85E-04	1.17E-03	2.00E-03
1.86E+00	4.52E-06	3.70E-03	3.54E-04	2.87E-04	6.80E-04	8.61E-04	1.11E-03	1.94E-03
1.97E+00	4.41E-06	3.60E-03	3.42E-04	2.77E-04	6.62E-04	8.35E-04	1.04E-03	1.89E-03
2.09E+00	4.30E-06	3.54E-03	3.30E-04	2.69E-04	6.44E-04	8.08E-04	1.01E-03	1.83E-03
2.21E+00	4.19E-06	3.43E-03	3.18E-04	2.60E-04	6.25E-04	7.86E-04	9.34E-04	1.78E-03
2.24E+00	4.07E-06	3.29E-03	3.06E-04	2.49E-04	6.11E-04	7.59E-04	8.86E-04	1.72E-03
2.27E+00	3.95E-06	3.18E-03	2.93E-04	2.37E-04	5.86E-04	7.22E-04	8.57E-04	1.66E-03
2.26E+00	3.83E-06	3.06E-03	2.81E-04	2.26E-04	5.57E-04	7.05E-04	8.28E-04	1.60E-03
2.27E+00	3.70E-06	2.95E-03	2.68E-04	2.14E-04	5.29E-04	6.79E-04	8.03E-04	1.54E-03
2.93E+00	3.57E-06	2.83E-03	2.55E-04	2.04E-04	5.04E-04	6.48E-04	7.81E-04	1.48E-03
3.00E+00	3.52E-06	2.78E-03	2.49E-04	2.00E-04	4.98E-04	6.39E-04	7.69E-04	1.45E-03
3.310E+00	3.44E-06	2.70E-03	2.42E-04	1.92E-04	4.89E-04	6.26E-04	7.48E-04	1.42E-03
3.328E+00	3.30E-06	2.46E-03	2.28E-04	1.82E-04	4.75E-04	6.03E-04	7.20E-04	1.35E-03
3.348E+00	3.11E-06	2.11E-03	2.15E-04	1.71E-04	4.46E-04	5.74E-04	6.90E-04	1.29E-03
3.368E+00	2.93E-06	1.69E-03	2.02E-04	1.61E-04	4.27E-04	5.36E-04	6.59E-04	1.23E-03
3.389E+00	2.75E-06	1.55E-03	1.88E-04	1.49E-04	4.04E-04	5.10E-04	6.18E-04	1.16E-03
4.12E+00	2.59E-06	1.38E-03	1.75E-04	1.41E-04	3.78E-04	4.85E-04	5.93E-04	8.55E-04
4.36E+00	2.43E-06	1.19E-03	1.63E-04	1.31E-04	3.47E-04	4.55E-04	5.58E-04	8.06E-04
4.61E+00	2.28E-06	1.01E-03	1.51E-04	1.21E-04	3.21E-04	4.24E-04	5.27E-04	7.28E-04
4.88E+00	2.13E-06	9.10E-04	1.39E-04	1.11E-04	3.00E-04	4.01E-04	5.03E-04	6.71E-04
5.17E+00	1.98E-06	8.70E-04	1.29E-04	1.03E-04	2.81E-04	3.73E-04	4.64E-04	6.25E-04
5.547E+00	1.09E-06	1.16E-03	1.19E-04	9.39E-05	2.62E-04	3.46E-04	4.41E-04	5.80E-04
5.578E+00	5.53E-07	1.29E-03	1.10E-04	8.34E-05	2.43E-04	3.10E-04	3.96E-04	5.36E-04
6.12E+00	2.71E-07	1.32E-03	1.00E-04	7.47E-05	2.24E-04	2.84E-04	3.55E-04	4.93E-04
6.48E+00	1.27E-07	2.25E-03	9.20E-05	6.56E-05	2.00E-04	2.58E-04	3.21E-04	4.74E-04
6.86E+00	5.69E-08	3.97E-03	8.61E-05	5.76E-05	1.80E-04	2.34E-04	2.95E-04	4.32E-04
7.26E+00	2.44E-08	5.27E-03	8.01E-05	5.11E-05	1.55E-04	2.11E-04	2.60E-04	3.90E-04
7.68E+00	9.95E-09	5.16E-03	7.23E-05	4.50E-05	1.33E-04	1.83E-04	2.24E-04	2.87E-04
8.13E+00	3.75E-09	3.82E-03	6.37E-05	3.93E-05	1.17E-04	1.58E-04	1.89E-04	2.41E-04
8.60E+00	3.25E-10	4.18E-03	5.82E-05	3.38E-05	1.02E-04	1.33E-04	1.63E-04	2.15E-04
9.10E+00	3.04E-11	7.79E-03	5.75E-05	2.90E-05	8.80E-05	1.14E-04	1.41E-04	1.79E-04
9.63E+00	2.69E-12	1.48E-02	6.48E-05	2.50E-05	7.48E-05	9.62E-05	1.22E-04	1.58E-04
1.00E+01	5.02E-13	1.83E-02	6.79E-05	2.20E-05	6.72E-05	8.76E-05	1.11E-04	1.45E-04
1.02E+01	2.12E-13	1.91E-02	6.76E-05	2.07E-05	6.40E-05	8.45E-05	1.06E-04	1.36E-04
1.08E+01	1.43E-14	1.68E-02	5.80E-05	1.74E-05	5.50E-05	6.88E-05	9.30E-05	1.13E-04
1.14E+01	8.24E-16	1.41E-02	4.84E-05	1.41E-05	4.59E-05	5.81E-05	8.08E-05	1.03E-04
1.21E+01	4.06E-17	1.17E-02	4.00E-05	1.13E-05	3.86E-05	4.86E-05	6.84E-05	8.20E-05
1.28E+01	1.68E-18	9.65E-03	3.30E-05	8.97E-06	3.12E-05	4.07E-05	5.63E-05	6.83E-05
1.35E+01	5.79E-20	7.84E-03	2.71E-05	7.13E-06	2.56E-05	3.34E-05	4.46E-05	5.23E-05
1.43E+01	1.64E-21	6.29E-03	2.19E-05	5.81E-06	2.08E-05	2.68E-05	3.42E-05	4.20E-05
1.51E+01	3.76E-23	4.99E-03	1.74E-05	4.55E-06	1.64E-05	2.12E-05	2.66E-05	3.39E-05
1.60E+01	6.94E-25	3.90E-03	1.38E-05	3.55E-06	1.26E-05	1.67E-05	2.10E-05	2.76E-05
1.70E+01	1.01E-26	3.01E-03	1.11E-05	2.66E-06	9.82E-06	1.31E-05	1.65E-05	2.19E-05
1.80E+01	1.15E-28	2.29E-03	8.49E-06	2.03E-06	7.41E-06	1.00E-05	1.28E-05	1.95E-05
1.90E+01	0.00E+00	1.71E-03	6.40E-06	1.51E-06	5.63E-06	7.58E-06	9.69E-06	1.49E-05

2.01E+01 0.00E+00 1.26E-03 4.87E-06 1.07E-06 4.22E-06 5.58E-06 7.06E-06 1.12E-05

2.13E+01 0.00E+00 9.06E-04 3.84E-06 7.64E-07 3.13E-06 4.07E-06 4.95E-06 8.30E-06

2.25E+01 0.00E+00 6.41E-04 2.75E-06 5.50E-07 2.14E-06 2.92E-06 3.55E-06 5.38E-06

2.38E+01 0.00E+00 4.45E-04 1.88E-06 3.78E-07 1.48E-06 2.04E-06 2.56E-06 3.38E-06

2.52E+01 0.00E+00 3.03E-04 1.26E-06 2.54E-07 1.02E-06 1.40E-06 1.75E-06 2.37E-06



2.67E+01 0.00E+00 2.01E-04 8.27E-07 1.61E-07 6.95E-07 9.26E-07 1.18E-06 1.63E-06

2.82E+01 0.00E+00 1.30E-04 5.30E-07 1.03E-07 4.52E-07 6.21E-07 8.10E-07 1.10E-06

2.99E+01 0.00E+00 8.24E-05 3.33E-07 6.55E-08 2.97E-07 3.90E-07 5.33E-07 9.65E-07

3.00E+01 0.00E+00 7.98E-05 3.22E-07 6.35E-08 2.88E-07 3.79E-07 5.16E-07 9.73E-07

3.16E+01 0.00E+00 5.08E-05 2.03E-07 4.06E-08 1.91E-07 2.46E-07 3.34E-07 6.88E-07

3.35E+01 0.00E+00 3.04E-05 1.20E-07 2.36E-08 1.12E-07 1.56E-07 2.07E-07 3.71E-07

3.54E+01 0.00E+00 1.77E-05 6.97E-08 1.35E-08 6.74E-08 8.93E-08 1.29E-07 1.78E-07

3.75E+01 0.00E+00 9.95E-06 3.92E-08 7.93E-09 3.93E-08 5.15E-08 7.53E-08 1.05E-07



3.97E+01 0.00E+00 5.42E-06 2.15E-08 4.32E-09 2.22E-08 2.89E-08 4.11E-08 6.04E-08

4.20E+01 0.00E+00 2.85E-06 1.14E-08 2.38E-09 1.21E-08 1.60E-08 2.28E-08 3.36E-08

4.44E+01 0.00E+00 1.44E-06 6.04E-09 1.16E-09 6.49E-09 8.29E-09 1.21E-08 1.66E-08

4.70E+01 0.00E+00 7.01E-07 3.23E-09 5.88E-10 3.21E-09 4.26E-09 6.06E-09 8.57E-09

4.97E+01 0.00E+00 3.27E-07 1.85E-09 2.82E-10 1.57E-09 1.99E-09 3.01E-09 4.26E-09

5.26E+01 0.00E+00 3.39E-07 1.25E-09 1.25E-10 7.28E-10 9.61E-10 1.41E-09 2.03E-09

5.57E+01 0.00E+00 6.21E-08 2.48E-10 5.54E-11 3.31E-10 4.29E-10 6.34E-10 8.65E-10

5.90E+01 0.00E+00 2.52E-08 1.02E-10 2.34E-11 1.47E-10 1.91E-10 2.80E-10 3.79E-10



6.24E+01 0.00E+00 9.67E-09 4.03E-11 9.03E-12 5.93E-11 8.02E-11 1.21E-10 1.58E-10

6.0E+01 0.00E+00 3.51E-09 1.51E-11 3.51E-12 2.28E-11 3.21E-11 4.90E-11 6.68E-11

99E+01 0.00E+00 1.20E-09 5.36E-12 1.16E-12 8.33E-12 1.21E-11 1.87E-11 2.50E-11

7.39E+01 0.00E+00 3.88E-10 1.84E-12 3.82E-13 2.88E-12 4.39E-12 6.61E-12 8.86E-12

7.82E+01 0.00E+00 1.17E-10 6.15E-13 1.23E-13 9.16E-13 1.46E-12 2.34E-12 3.27E-12

8.28E+01 0.00E+00 3.28E-11 1.83E-13 3.67E-14 2.77E-13 4.60E-13 7.34E-13 1.02E-12

8.76E+01 0.00E+00 8.57E-12 4.95E-14 1.08E-14 7.96E-14 1.35E-13 2.13E-13 2.70E-13

9.27E+01 0.00E+00 2.07E-12 1.23E-14 2.65E-15 2.05E-14 3.71E-14 5.22E-14 7.33E-14



9.81E+01 0.00E+00 4.60E-13 2.89E-15 6.40E-16 5.03E-15 9.35E-15 1.26E-14 1.86E-14

1.00E+02 0.00E+00 2.73E-13 1.75E-15 3.92E-16 3.14E-15 5.69E-15 7.73E-15 1.16E-14

1.04E+02 0.00E+00 9.36E-14 6.26E-16 1.36E-16 1.16E-15 2.13E-15 2.86E-15 4.42E-15

1.10E+02 0.00E+00 1.74E-14 1.24E-16 2.53E-17 2.33E-16 4.42E-16 6.08E-16 9.63E-16

1.16E+02 0.00E+00 2.92E-15 2.27E-17 4.34E-18 4.40E-17 8.77E-17 1.19E-16 1.92E-16

1.23E+02 0.00E+00 4.43E-16 3.81E-18 6.44E-19 7.78E-18 1.58E-17 2.60E-17 3.50E-17

1.30E+02 0.00E+00 6.01E-17 5.95E-19 9.00E-20 1.23E-18 2.56E-18 4.91E-18 6.06E-18

1.38E+02 0.00E+00 7.27E-18 8.35E-20 1.14E-20 1.72E-19 3.58E-19 7.09E-19 9.22E-19



1.46E+02 0.00E+00 7.78E-19 1.05E-20 1.18E-21 2.23E-20 4.73E-20 8.64E-20 1.14E-19

1.54E+02 0.00E+00 7.31E-20 1.20E-21 7.18E-23 2.48E-21 5.46E-21 1.02E-20 1.36E-20

1.63E+02 0.00E+00 6.12E-21 1.26E-22 4.22E-24 2.43E-22 5.24E-22 1.02E-21 1.57E-21

1.73E+02 0.00E+00 8.28E-22 1.24E-23 2.29E-25 2.18E-23 4.75E-23 9.64E-23 1.46E-22

1.83E+02 0.00E+00 1.11E-22 1.17E-24 8.62E-27 1.66E-24 3.79E-24 8.92E-24 1.21E-23

1.94E+02 0.00E+00 1.44E-23 1.10E-25 2.42E-28 1.03E-25 2.54E-25 6.51E-25 1.19E-24

2.05E+02 0.00E+00 1.75E-24 1.05E-26 3.35E-30 6.14E-27 1.48E-26 4.30E-26 1.06E-25

2.17E+02 0.00E+00 1.93E-25 1.00E-27 0.00E+00 3.19E-28 7.30E-28 2.23E-27 9.49E-27



2.29E+02 0.00E+00 1.64E-26 5.11E-29 0.00E+00 7.27E-30 2.69E-29 1.25E-28 4.38E-28

2.43E+02 0.00E+00 2.25E-28 1.28E-30 0.00E+00 0.00E+00 0.00E+00 5.96E-30 3.00E-29

2.57E+02 0.00E+00 5.71E-30 2.55E-32 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 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 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 SB-125.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	5.593E-04
2	0.000E+00	5.554E-04
3	0.000E+00	5.586E-04

Title : RESRAD Default Parameters  
 Input File : FCS BURIED PIPE INSITU UA SB-125.RAD

Coefficients for peak All Pathways Dose

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

Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Contaminated zone erosion rate	4	0.08	4	0.06	8	-0.05	8	-0.04
Contaminated zone b parameter	17	0.02	17	0.01	16	-0.02	16	-0.02
Evapotranspiration coefficient	7	0.05	7	0.04	4	0.09	4	0.08
Wind Speed	6	0.05	6	0.04	13	0.03	13	0.02
Runoff coefficient	10	-0.03	10	-0.02	14	0.02	14	0.02
b Parameter of Unsaturated zone 1	8	-0.05	8	-0.04	6	-0.07	6	-0.06
Mass loading for inhalation	13	0.02	13	0.02	15	0.02	15	0.02
Indoor dust filtration factor	12	-0.02	12	-0.02	17	-0.02	17	-0.01
Depth of soil mixing layer	16	0.02	16	0.01	10	-0.04	10	-0.03
Depth of roots	15	-0.02	15	-0.01	5	0.08	5	0.07
Wet weight crop yield of fruit, grain and non-leafy vegetables	5	0.06	5	0.05	11	-0.03	11	-0.03
Weathering removal constant of all vegetation	11	-0.02	11	-0.02	12	-0.03	12	-0.03
Wet foliar interception fraction of leafy vegetables	3	0.09	3	0.06	7	-0.06	7	-0.06
Humidity in air	9	0.04	9	0.03	18	0.00	18	0.00
Cover erosion rate	1	0.64	1	0.63	9	0.05	9	0.04
Kd of Sb-125 in Contaminated Zone	14	-0.02	14	-0.02	3	-0.17	3	-0.16
Kd of Sb-125 in Saturated Zone	18	0.01	18	0.00	2	-0.20	2	-0.19
Well pump intake depth	2	-0.14	2	-0.11	1	-0.30	1	-0.29
R-SQUARE		0.43		0.43		0.17		0.17

-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 SB-125.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	18	0.00	18	0.00	6	-0.10	6	-0.09
Contaminated zone b parameter	7	-0.04	7	-0.02	18	0.00	18	0.00
Evapotranspiration coefficient	5	0.06	5	0.03	7	0.10	7	0.09
Wind Speed	4	-0.06	4	-0.04	17	0.01	17	0.01
Runoff coefficient	2	-0.11	2	-0.07	12	0.05	12	0.04
b Parameter of Unsaturated zone 1	6	-0.05	6	-0.03	8	0.07	8	0.07
Mass loading for inhalation	11	0.03	11	0.02	15	-0.02	15	-0.02
Indoor dust filtration factor	10	0.03	10	0.02	14	-0.05	14	-0.04
Depth of soil mixing layer	8	0.04	8	0.02	5	0.12	5	0.10
Depth of roots	9	0.03	9	0.02	4	0.14	4	0.13
Wet weight crop yield of fruit, grain and non-leafy vegetables	17	-0.01	17	0.00	10	-0.05	10	-0.05
Weathering removal constant of all vegetation	16	0.01	16	0.01	13	-0.05	13	-0.04
Wet foliar interception fraction of leafy vegetables	14	0.02	14	0.01	9	0.06	9	0.05
Humidity in air	15	0.01	15	0.01	16	0.01	16	0.01
Cover erosion rate	1	0.79	1	0.78	11	0.05	11	0.05
Kd of Sb-125 in Contaminated Zone	12	0.03	12	0.02	3	-0.16	3	-0.14
Kd of Sb-125 in Saturated Zone	13	-0.03	13	-0.02	2	-0.27	2	-0.25
Well pump intake depth	3	-0.08	3	-0.05	1	-0.30	1	-0.28
R-SQUARE		0.63		0.63		0.21		0.21

-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 SB-125.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	9	0.04	9	0.04	16	0.00	16	0.00
Contaminated zone b parameter	5	-0.06	5	-0.05	6	-0.05	6	-0.05
Evapotranspiration coefficient	2	0.11	2	0.11	4	0.14	4	0.13
Wind Speed	11	-0.02	11	-0.02	9	0.02	9	0.02
Runoff coefficient	4	0.08	4	0.08	11	0.02	11	0.02
b Parameter of Unsaturated zone 1	17	-0.01	17	-0.01	18	0.00	18	0.00
Mass loading for inhalation	18	0.00	18	0.00	7	-0.03	7	-0.03
Indoor dust filtration factor	14	0.02	14	0.01	14	0.01	14	0.01
Depth of soil mixing layer	8	-0.04	8	-0.04	10	-0.02	10	-0.02
Depth of roots	16	0.01	16	0.01	5	0.06	5	0.05
Wet weight crop yield of fruit, grain and non-leafy vegetables	13	0.02	13	0.02	17	0.00	17	0.00
Weathering removal constant of all vegetation	7	0.04	7	0.04	8	0.03	8	0.02
Wet foliar interception fraction of leafy vegetables	15	0.01	15	0.01	13	-0.01	13	-0.01
Humidity in air	12	-0.02	12	-0.02	12	0.02	12	0.01
Cover erosion rate	1	0.35	1	0.35	15	0.01	15	0.01
Kd of Sb-125 in Contaminated Zone	6	-0.05	6	-0.05	1	-0.27	1	-0.26
Kd of Sb-125 in Saturated Zone	10	-0.02	10	-0.02	3	-0.22	3	-0.20
Well pump intake depth	3	-0.09	3	-0.08	2	-0.25	2	-0.23

R-SQUARE 0.15 0.15 0.19 0.19

-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.