

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	6.72	3.22																
17	DCACTS(1)	LOGNORMAL-N	6.72	3.22																
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	
Eu-155												
Min	0.00E+00	3.37E-11	3.37E-11	2.95E-11	2.27E-11	9.05E-12	3.00E-29	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	7.53E+01	1.84E-02	2.42E-03	1.89E-03	1.40E-03	1.06E-02	6.66E-04	3.61E-08	2.74E-20	0.00E+00	0.00E+00	0.00E+00
Avg	1.15E+00	1.94E-04	2.70E-05	1.75E-05	1.28E-05	8.02E-05	4.28E-06	2.16E-10	5.03E-22	0.00E+00	0.00E+00	0.00E+00
Std	5.70E+00	1.40E-03	9.03E-05	6.08E-05	5.07E-05	8.00E-04	4.28E-05	2.37E-09	3.03E-21	0.00E+00	0.00E+00	0.00E+00
ALL												
Min	0.00E+00	3.37E-11	3.37E-11	2.95E-11	2.27E-11	9.05E-12	3.00E-29	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	7.53E+01	1.84E-02	2.42E-03	1.89E-03	1.40E-03	1.06E-02	6.66E-04	3.61E-08	2.74E-20	0.00E+00	0.00E+00	0.00E+00
Avg	1.15E+00	1.94E-04	2.70E-05	1.75E-05	1.28E-05	8.02E-05	4.28E-06	2.16E-10	5.03E-22	0.00E+00	0.00E+00	0.00E+00
Std	5.70E+00	1.40E-03	9.03E-05	6.08E-05	5.07E-05	8.00E-04	4.28E-05	2.37E-09	3.03E-21	0.00E+00	0.00E+00	0.00E+00

ALL is total dose summed for all nuclides.

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Probabilistic Risk Summary

Nuclide	RISK(j,t)								
	(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/>									
Eu-155									
Min		1.37E-15	1.20E-15	9.26E-16	3.69E-16	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		2.16E-07	6.08E-08	6.60E-08	2.36E-07	1.46E-08	7.91E-13	6.01E-25	0.00E+00
Avg		2.22E-09	8.45E-10	6.07E-10	1.71E-09	9.54E-11	4.96E-15	1.11E-26	0.00E+00
Std		1.15E-08	2.24E-09	2.22E-09	1.66E-08	9.19E-10	5.21E-14	0.00E+00	0.00E+00
<hr/>									
ALL									
Min		1.37E-15	1.20E-15	9.26E-16	3.69E-16	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		2.16E-07	6.08E-08	6.60E-08	2.36E-07	1.46E-08	7.91E-13	6.01E-25	0.00E+00
Avg		2.22E-09	8.45E-10	6.07E-10	1.71E-09	9.54E-11	4.96E-15	1.11E-26	0.00E+00
Std		1.15E-08	2.24E-09	2.22E-09	1.66E-08	9.19E-10	5.21E-14	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
Eu-155								
Min	3.26E-17	3.15E-28	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	3.09E-14	6.36E-12	2.69E-07	1.06E-02	6.66E-04	3.61E-08	2.73E-20	0.00E+00
Avg	8.67E-16	1.33E-14	2.86E-10	7.60E-05	4.09E-06	2.09E-10	4.99E-22	0.00E+00
Std	1.40E-15	2.11E-13	7.34E-09	7.99E-04	4.28E-05	2.37E-09	3.03E-21	0.00E+00
ALL								
Min	3.26E-17	3.15E-28	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	3.09E-14	6.36E-12	2.69E-07	1.06E-02	6.66E-04	3.61E-08	2.73E-20	0.00E+00
Avg	8.67E-16	1.33E-14	2.86E-10	7.60E-05	4.09E-06	2.09E-10	4.99E-22	0.00E+00
Std	1.40E-15	2.11E-13	7.34E-09	7.99E-04	4.28E-05	2.37E-09	3.03E-21	0.00E+00

ALL is total pathway dose summed for all nuclides.

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

Nuclide	DOSE(i,j,t), mrem/yr							
	t= 0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
Eu-155								
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	4.99E-11	2.01E-08	1.00E-09	4.30E-13	2.09E-25	0.00E+00
Avg	0.00E+00	0.00E+00	3.33E-14	7.43E-11	3.97E-12	5.13E-16	1.36E-27	0.00E+00
Std	0.00E+00	0.00E+00	1.29E-12	8.98E-10	5.06E-11	1.15E-14	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	4.99E-11	2.01E-08	1.00E-09	4.30E-13	2.09E-25	0.00E+00
Avg	0.00E+00	0.00E+00	3.33E-14	7.43E-11	3.97E-12	5.13E-16	1.36E-27	0.00E+00
Std	0.00E+00	0.00E+00	1.29E-12	8.98E-10	5.06E-11	1.15E-14	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
Eu-155								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ALL								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

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

Nuclide	DOSE(i,j,t), mrem/yr							
	t= 0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
Eu-155								
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	1.81E-05	1.57E-05	1.68E-05	5.98E-06	6.19E-07	2.36E-11	3.28E-23	0.00E+00
Avg	6.72E-06	5.57E-06	4.03E-06	1.38E-06	7.50E-08	3.69E-12	2.34E-24	0.00E+00
Std	4.67E-06	4.09E-06	3.15E-06	1.19E-06	7.44E-08	4.34E-12	3.87E-24	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	1.81E-05	1.57E-05	1.68E-05	5.98E-06	6.19E-07	2.36E-11	3.28E-23	0.00E+00
Avg	6.72E-06	5.57E-06	4.03E-06	1.38E-06	7.50E-08	3.69E-12	2.34E-24	0.00E+00
Std	4.67E-06	4.09E-06	3.15E-06	1.19E-06	7.44E-08	4.34E-12	3.87E-24	0.00E+00

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

Nuclide	DOSE(i,j,t), mrem/yr							
	t= 0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
Eu-155								
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	1.05E-07	9.12E-08	9.80E-08	1.38E-06	7.64E-08	1.99E-11	9.69E-24	0.00E+00
Avg	3.94E-08	3.24E-08	2.35E-08	1.42E-08	8.24E-10	4.99E-14	1.18E-25	0.00E+00
Std	2.71E-08	2.37E-08	1.83E-08	6.46E-08	4.39E-09	5.47E-13	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	1.05E-07	9.12E-08	9.80E-08	1.38E-06	7.64E-08	1.99E-11	9.69E-24	0.00E+00
Avg	3.94E-08	3.24E-08	2.35E-08	1.42E-08	8.24E-10	4.99E-14	1.18E-25	0.00E+00
Std	2.71E-08	2.37E-08	1.83E-08	6.46E-08	4.39E-09	5.47E-13	0.00E+00	0.00E+00

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

Nuclide	DOSE(i,j,t), mrem/yr							
	t= 0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
Eu-155								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	2.44E-08	2.12E-08	2.31E-08	1.38E-07	7.99E-09	2.00E-12	9.71E-25	0.00E+00
Avg	9.12E-09	7.53E-09	5.45E-09	2.49E-09	1.40E-10	7.82E-15	1.36E-26	0.00E+00
Std	6.29E-09	5.51E-09	4.25E-09	6.73E-09	4.52E-10	5.51E-14	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	2.44E-08	2.12E-08	2.31E-08	1.38E-07	7.99E-09	2.00E-12	9.71E-25	0.00E+00
Avg	9.12E-09	7.53E-09	5.45E-09	2.49E-09	1.40E-10	7.82E-15	1.36E-26	0.00E+00
Std	6.29E-09	5.51E-09	4.25E-09	6.73E-09	4.52E-10	5.51E-14	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
Eu-155								
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	3.20E-09	9.78E-07	5.25E-08	1.42E-11	6.90E-24	0.00E+00
Avg	0.00E+00	0.00E+00	2.13E-12	4.46E-09	2.78E-10	2.03E-14	7.49E-26	0.00E+00
Std	0.00E+00	0.00E+00	8.25E-11	4.58E-08	3.08E-09	3.89E-13	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	3.20E-09	9.78E-07	5.25E-08	1.42E-11	6.90E-24	0.00E+00
Avg	0.00E+00	0.00E+00	2.13E-12	4.46E-09	2.78E-10	2.03E-14	7.49E-26	0.00E+00
Std	0.00E+00	0.00E+00	8.25E-11	4.58E-08	3.08E-09	3.89E-13	0.00E+00	0.00E+00

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Probabilistic Dose vs Pathway(i): Water Ingestion

Nuclide	DOSE(i,j,t), mrem/yr							
	t= 0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
Eu-155								
Min	1.02E-11	8.88E-12	6.77E-12	2.61E-12	2.80E-29	0.00E+00	0.00E+00	0.00E+00
Max	2.32E-03	1.70E-03	1.26E-03	2.39E-04	5.30E-06	1.01E-10	2.24E-23	0.00E+00
Avg	1.86E-05	1.09E-05	8.01E-06	2.57E-06	1.09E-07	3.04E-12	1.14E-24	0.00E+00
Std	8.50E-05	5.54E-05	4.63E-05	1.14E-05	3.76E-07	7.92E-12	2.37E-24	0.00E+00
ALL								
Min	1.02E-11	8.88E-12	6.77E-12	2.61E-12	2.80E-29	0.00E+00	0.00E+00	0.00E+00
Max	2.32E-03	1.70E-03	1.26E-03	2.39E-04	5.30E-06	1.01E-10	2.24E-23	0.00E+00
Avg	1.86E-05	1.09E-05	8.01E-06	2.57E-06	1.09E-07	3.04E-12	1.14E-24	0.00E+00
Std	8.50E-05	5.54E-05	4.63E-05	1.14E-05	3.76E-07	7.92E-12	2.37E-24	0.00E+00

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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
Eu-155								
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 EU-155.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
Eu-155								
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 EU-155.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
Eu-155								
Min	1.71E-12	1.50E-12	1.15E-12	4.60E-13	1.97E-30	0.00E+00	0.00E+00	0.00E+00
Max	9.77E-05	1.76E-04	1.31E-04	2.22E-05	4.47E-07	7.75E-12	3.77E-24	0.00E+00
Avg	1.55E-06	9.70E-07	7.13E-07	2.25E-07	9.63E-09	2.61E-13	1.06E-25	0.00E+00
Std	5.89E-06	5.43E-06	4.48E-06	1.05E-06	3.51E-08	6.79E-13	0.00E+00	0.00E+00
ALL								
Min	1.71E-12	1.50E-12	1.15E-12	4.60E-13	1.97E-30	0.00E+00	0.00E+00	0.00E+00
Max	9.77E-05	1.76E-04	1.31E-04	2.22E-05	4.47E-07	7.75E-12	3.77E-24	0.00E+00
Avg	1.55E-06	9.70E-07	7.13E-07	2.25E-07	9.63E-09	2.61E-13	1.06E-25	0.00E+00
Std	5.89E-06	5.43E-06	4.48E-06	1.05E-06	3.51E-08	6.79E-13	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 EU-155.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
Eu-155								
Min	6.31E-14	5.50E-14	4.19E-14	1.62E-14	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	1.02E-05	8.27E-06	6.61E-06	1.23E-06	2.57E-08	4.32E-13	1.06E-25	0.00E+00
Avg	9.37E-08	5.16E-08	3.80E-08	1.21E-08	5.13E-10	1.42E-14	5.43E-27	0.00E+00
Std	4.09E-07	2.65E-07	2.29E-07	5.48E-08	1.77E-09	3.61E-14	0.00E+00	0.00E+00
ALL								
Min	6.31E-14	5.50E-14	4.19E-14	1.62E-14	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	1.02E-05	8.27E-06	6.61E-06	1.23E-06	2.57E-08	4.32E-13	1.06E-25	0.00E+00
Avg	9.37E-08	5.16E-08	3.80E-08	1.21E-08	5.13E-10	1.42E-14	5.43E-27	0.00E+00
Std	4.09E-07	2.65E-07	2.29E-07	5.48E-08	1.77E-09	3.61E-14	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 EU-155.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
Eu-155								
Min	1.12E-14	9.74E-15	7.42E-15	2.86E-15	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	1.40E-06	1.39E-06	1.08E-06	1.99E-07	4.14E-09	6.53E-14	1.68E-26	0.00E+00
Avg	1.44E-08	8.22E-09	6.05E-09	1.93E-09	8.16E-11	2.25E-15	8.68E-28	0.00E+00
Std	6.02E-08	4.35E-08	3.70E-08	8.76E-09	2.82E-10	5.70E-15	0.00E+00	0.00E+00
ALL								
Min	1.12E-14	9.74E-15	7.42E-15	2.86E-15	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	1.40E-06	1.39E-06	1.08E-06	1.99E-07	4.14E-09	6.53E-14	1.68E-26	0.00E+00
Avg	1.44E-08	8.22E-09	6.05E-09	1.93E-09	8.16E-11	2.25E-15	8.68E-28	0.00E+00
Std	6.02E-08	4.35E-08	3.70E-08	8.76E-09	2.82E-10	5.70E-15	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 EU-155.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	1.37E-08	1.29E-08	7.68E-09	3.20E-09	1.35E-10	6.99E-16	0.00E+00	0.00E+00
0.050	7.15E-08	7.09E-08	5.06E-08	1.39E-08	5.69E-10	1.03E-14	3.91E-30	0.00E+00
0.075	1.96E-07	1.98E-07	1.42E-07	4.31E-08	1.60E-09	3.01E-14	1.41E-27	0.00E+00
0.100	5.42E-07	5.15E-07	3.42E-07	8.58E-08	3.42E-09	5.65E-14	5.79E-27	0.00E+00
0.125	1.88E-06	1.39E-06	9.37E-07	1.85E-07	5.65E-09	1.31E-13	1.66E-26	0.00E+00
0.150	4.18E-06	3.36E-06	1.85E-06	3.52E-07	1.10E-08	2.30E-13	2.82E-26	0.00E+00
0.175	5.43E-06	4.63E-06	3.40E-06	5.84E-07	1.72E-08	3.24E-13	5.13E-26	0.00E+00
0.200	5.76E-06	4.86E-06	3.60E-06	8.34E-07	2.47E-08	4.84E-13	8.65E-26	0.00E+00
0.225	6.02E-06	5.15E-06	3.79E-06	1.29E-06	3.43E-08	7.18E-13	1.26E-25	0.00E+00
0.250	6.33E-06	5.39E-06	3.97E-06	1.35E-06	5.46E-08	1.03E-12	1.85E-25	0.00E+00
0.275	6.70E-06	5.67E-06	4.16E-06	1.42E-06	6.89E-08	1.35E-12	2.67E-25	0.00E+00
0.300	6.98E-06	5.96E-06	4.37E-06	1.48E-06	7.88E-08	1.80E-12	3.87E-25	0.00E+00
0.325	7.21E-06	6.18E-06	4.55E-06	1.55E-06	8.29E-08	2.53E-12	5.63E-25	0.00E+00
0.350	7.59E-06	6.47E-06	4.74E-06	1.62E-06	8.71E-08	3.02E-12	7.28E-25	0.00E+00
0.375	8.01E-06	6.76E-06	4.92E-06	1.68E-06	8.98E-08	3.71E-12	1.04E-24	0.00E+00
0.400	8.36E-06	7.13E-06	5.18E-06	1.73E-06	9.43E-08	4.12E-12	1.38E-24	0.00E+00
0.425	8.75E-06	7.41E-06	5.37E-06	1.80E-06	9.85E-08	4.45E-12	1.79E-24	0.00E+00
0.450	9.11E-06	7.75E-06	5.60E-06	1.90E-06	1.03E-07	4.78E-12	2.24E-24	0.00E+00
0.475	9.55E-06	8.13E-06	5.82E-06	1.99E-06	1.07E-07	4.97E-12	2.68E-24	0.00E+00
0.500	1.00E-05	8.47E-06	6.08E-06	2.06E-06	1.11E-07	5.24E-12	3.04E-24	0.00E+00
0.525	1.05E-05	8.88E-06	6.29E-06	2.17E-06	1.16E-07	5.52E-12	3.33E-24	0.00E+00
0.550	1.10E-05	9.28E-06	6.53E-06	2.24E-06	1.20E-07	5.81E-12	3.56E-24	0.00E+00
0.575	1.16E-05	9.75E-06	6.82E-06	2.36E-06	1.26E-07	6.07E-12	3.81E-24	0.00E+00
0.600	1.22E-05	1.02E-05	7.22E-06	2.47E-06	1.33E-07	6.38E-12	4.08E-24	0.00E+00
0.625	1.31E-05	1.09E-05	7.59E-06	2.63E-06	1.41E-07	6.84E-12	4.37E-24	0.00E+00
0.650	1.37E-05	1.16E-05	8.03E-06	2.76E-06	1.51E-07	7.25E-12	4.74E-24	0.00E+00
0.675	1.45E-05	1.20E-05	8.40E-06	2.90E-06	1.58E-07	7.68E-12	5.04E-24	0.00E+00
0.700	1.54E-05	1.28E-05	8.82E-06	3.05E-06	1.67E-07	8.30E-12	5.54E-24	0.00E+00
0.725	1.64E-05	1.34E-05	9.35E-06	3.21E-06	1.77E-07	8.78E-12	6.13E-24	0.00E+00
0.750	1.72E-05	1.42E-05	9.86E-06	3.39E-06	1.91E-07	9.65E-12	6.88E-24	0.00E+00
0.775	1.83E-05	1.47E-05	1.04E-05	3.57E-06	2.05E-07	1.05E-11	7.71E-24	0.00E+00
0.800	2.01E-05	1.55E-05	1.09E-05	3.80E-06	2.19E-07	1.14E-11	8.52E-24	0.00E+00
0.825	2.36E-05	1.68E-05	1.15E-05	4.03E-06	2.34E-07	1.22E-11	9.74E-24	0.00E+00
0.850	2.77E-05	1.91E-05	1.22E-05	4.34E-06	2.55E-07	1.32E-11	1.17E-23	0.00E+00
0.875	3.87E-05	2.32E-05	1.37E-05	4.62E-06	2.75E-07	1.47E-11	1.35E-23	0.00E+00
0.900	5.09E-05	2.94E-05	1.75E-05	6.01E-06	3.38E-07	1.64E-11	1.87E-23	0.00E+00
0.925	6.88E-05	3.61E-05	2.38E-05	8.54E-06	5.31E-07	1.88E-11	6.94E-23	0.00E+00
0.950	1.05E-04	5.31E-05	3.42E-05	1.76E-05	9.08E-07	2.48E-11	4.95E-22	0.00E+00
0.975	1.78E-04	8.57E-05	5.86E-05	4.74E-05	2.19E-06	4.33E-11	5.04E-21	0.00E+00
1.000	2.42E-03	1.89E-03	1.40E-03	1.06E-02	6.66E-04	3.61E-08	2.74E-20	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 EU-155.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	5.56E-11	8.17E-04	2.58E-05	9.99E-06	5.08E-05	1.08E-04	1.89E-04	3.23E-04
1.00E+00	4.88E-11	5.48E-04	1.74E-05	8.37E-06	2.67E-05	5.73E-05	9.35E-05	2.35E-04
1.06E+00	4.85E-11	5.44E-04	1.72E-05	8.30E-06	2.66E-05	5.80E-05	9.20E-05	2.35E-04
1.12E+00	4.81E-11	5.54E-04	1.71E-05	8.23E-06	2.65E-05	5.85E-05	8.68E-05	2.35E-04
1.19E+00	4.77E-11	5.67E-04	1.69E-05	8.15E-06	2.64E-05	5.64E-05	8.33E-05	2.29E-04
1.25E+00	4.73E-11	5.80E-04	1.67E-05	8.02E-06	2.60E-05	5.42E-05	8.37E-05	2.32E-04
1.33E+00	4.68E-11	5.94E-04	1.65E-05	7.93E-06	2.51E-05	5.20E-05	8.41E-05	2.34E-04
1.40E+00	4.63E-11	6.08E-04	1.63E-05	7.85E-06	2.39E-05	5.26E-05	8.46E-05	2.33E-04
1.49E+00	4.59E-11	6.22E-04	1.61E-05	7.73E-06	2.26E-05	5.23E-05	8.51E-05	2.34E-04
1.57E+00	4.53E-11	6.36E-04	1.59E-05	7.61E-06	2.23E-05	4.95E-05	8.56E-05	2.38E-04
1.66E+00	4.48E-11	6.50E-04	1.57E-05	7.50E-06	2.20E-05	4.67E-05	8.60E-05	2.43E-04
1.76E+00	4.43E-11	6.64E-04	1.55E-05	7.37E-06	2.14E-05	4.21E-05	8.64E-05	2.48E-04
1.86E+00	4.37E-11	6.78E-04	1.53E-05	7.26E-06	2.07E-05	4.11E-05	8.68E-05	2.52E-04
1.97E+00	4.31E-11	6.92E-04	1.51E-05	7.13E-06	2.04E-05	3.99E-05	8.72E-05	2.54E-04
2.09E+00	4.24E-11	7.06E-04	1.49E-05	7.00E-06	2.04E-05	3.90E-05	8.26E-05	2.56E-04
2.21E+00	4.18E-11	7.19E-04	1.47E-05	6.84E-06	2.00E-05	3.80E-05	7.83E-05	2.57E-04
2.24E+00	4.11E-11	7.31E-04	1.45E-05	6.71E-06	1.93E-05	3.69E-05	7.88E-05	2.58E-04
2.27E+00	4.04E-11	7.40E-04	1.43E-05	6.59E-06	1.89E-05	3.72E-05	7.92E-05	2.59E-04
2.26E+00	3.96E-11	7.41E-04	1.40E-05	6.39E-06	1.85E-05	3.56E-05	7.95E-05	2.59E-04
2.27E+00	3.88E-11	7.36E-04	1.37E-05	6.22E-06	1.81E-05	3.38E-05	7.98E-05	2.59E-04
2.29E+00	3.80E-11	7.23E-04	1.34E-05	6.05E-06	1.75E-05	3.26E-05	7.99E-05	2.58E-04
3.00E+00	3.77E-11	7.17E-04	1.33E-05	5.99E-06	1.71E-05	3.20E-05	8.00E-05	2.58E-04
3.310E+00	3.72E-11	7.02E-04	1.31E-05	5.90E-06	1.66E-05	3.14E-05	7.99E-05	2.57E-04
3.328E+00	3.63E-11	6.70E-04	1.28E-05	5.77E-06	1.57E-05	3.04E-05	7.98E-05	2.55E-04
3.48E+00	3.54E-11	6.35E-04	1.25E-05	5.58E-06	1.50E-05	2.96E-05	7.93E-05	2.53E-04
3.68E+00	3.45E-11	5.99E-04	1.21E-05	5.42E-06	1.43E-05	2.88E-05	7.73E-05	2.50E-04
3.89E+00	3.36E-11	5.63E-04	1.18E-05	5.22E-06	1.35E-05	2.79E-05	7.53E-05	2.46E-04
4.12E+00	3.26E-11	5.27E-04	1.16E-05	5.04E-06	1.30E-05	2.71E-05	7.84E-05	2.42E-04
4.36E+00	3.16E-11	4.92E-04	1.18E-05	4.86E-06	1.26E-05	2.68E-05	7.81E-05	2.61E-04
4.61E+00	3.06E-11	1.48E-03	1.35E-05	4.65E-06	1.21E-05	2.65E-05	7.77E-05	2.55E-04
4.88E+00	2.95E-11	5.74E-03	2.16E-05	4.44E-06	1.17E-05	2.56E-05	7.58E-05	2.48E-04
5.17E+00	2.85E-11	1.11E-02	3.20E-05	4.23E-06	1.13E-05	2.51E-05	7.38E-05	2.41E-04
5.47E+00	2.74E-11	1.59E-02	4.15E-05	4.00E-06	1.08E-05	2.53E-05	7.47E-05	2.34E-04
5.78E+00	2.63E-11	1.83E-02	4.69E-05	3.80E-06	1.02E-05	2.48E-05	7.59E-05	2.79E-04
6.12E+00	2.51E-11	1.69E-02	4.89E-05	3.59E-06	9.77E-06	2.43E-05	7.36E-05	2.74E-04
6.48E+00	2.40E-11	1.56E-02	5.82E-05	3.41E-06	9.34E-06	2.33E-05	7.17E-05	2.67E-04
6.86E+00	2.28E-11	1.43E-02	7.37E-05	3.22E-06	8.88E-06	2.31E-05	7.01E-05	2.42E-04
7.26E+00	2.17E-11	1.35E-02	8.40E-05	3.04E-06	8.49E-06	2.25E-05	6.76E-05	2.28E-04
7.68E+00	2.05E-11	1.50E-02	8.56E-05	2.86E-06	8.10E-06	2.35E-05	6.61E-05	2.16E-04
8.13E+00	1.94E-11	1.39E-02	8.03E-05	2.67E-06	7.75E-06	2.20E-05	7.33E-05	2.03E-04
8.60E+00	1.82E-11	1.28E-02	8.03E-05	2.48E-06	7.17E-06	2.06E-05	6.96E-05	3.68E-04
9.10E+00	1.71E-11	1.17E-02	8.21E-05	2.31E-06	6.63E-06	1.93E-05	6.59E-05	1.56E-03
9.63E+00	1.59E-11	1.07E-02	8.44E-05	2.14E-06	6.31E-06	1.83E-05	6.20E-05	6.03E-03
1.00E+01	1.52E-11	1.00E-02	8.42E-05	2.02E-06	6.02E-06	1.78E-05	5.94E-05	5.89E-03
1.02E+01	1.48E-11	9.69E-03	8.32E-05	1.97E-06	5.88E-06	1.75E-05	6.08E-05	5.50E-03
1.08E+01	1.37E-11	8.82E-03	7.40E-05	1.79E-06	5.36E-06	1.68E-05	5.56E-05	4.37E-03
1.14E+01	1.26E-11	7.80E-03	6.59E-05	1.64E-06	5.00E-06	1.60E-05	5.05E-05	3.30E-03
1.21E+01	1.16E-11	6.91E-03	6.35E-05	1.49E-06	4.31E-06	1.52E-05	5.11E-05	3.82E-03
1.28E+01	1.06E-11	6.08E-03	5.49E-05	1.35E-06	3.92E-06	1.39E-05	4.35E-05	3.09E-03
1.35E+01	9.58E-12	5.29E-03	4.39E-05	1.21E-06	3.54E-06	1.35E-05	3.54E-05	2.41E-03
1.43E+01	8.64E-12	5.91E-03	4.31E-05	1.07E-06	3.08E-06	1.12E-05	2.93E-05	1.81E-03
1.51E+01	7.75E-12	5.18E-03	3.68E-05	9.41E-07	2.77E-06	9.99E-06	2.52E-05	1.28E-03
1.60E+01	6.90E-12	4.47E-03	3.32E-05	8.30E-07	2.43E-06	8.80E-06	2.19E-05	1.76E-03
1.70E+01	6.11E-12	3.86E-03	3.15E-05	7.22E-07	2.11E-06	7.64E-06	1.88E-05	1.75E-03
1.80E+01	5.37E-12	3.22E-03	2.49E-05	6.23E-07	1.85E-06	6.32E-06	1.96E-05	1.15E-03
1.90E+01	4.68E-12	2.68E-03	1.94E-05	5.36E-07	1.48E-06	5.09E-06	1.20E-05	5.66E-04

2.01E+01 4.05E-12 2.21E-03 1.53E-05 4.50E-07 1.26E-06 4.22E-06 1.26E-05 5.19E-04

2.13E+01 3.47E-12 1.97E-03 1.46E-05 3.80E-07 1.07E-06 3.38E-06 8.91E-06 8.81E-04

2.25E+01 6.02E-14 1.78E-03 1.11E-05 3.17E-07 8.95E-07 2.57E-06 7.60E-06 4.31E-04

2.38E+01 1.26E-16 1.38E-03 7.73E-06 2.63E-07 7.71E-07 1.95E-06 6.54E-06 1.94E-05

2.52E+01 1.83E-19 1.05E-03 5.71E-06 2.18E-07 6.28E-07 1.61E-06 4.64E-06 3.54E-05

2.67E+01 1.82E-22 7.73E-04 4.37E-06 1.77E-07 5.02E-07 1.25E-06 3.78E-06 1.45E-05

2.82E+01 1.21E-25 5.32E-04 3.41E-06 1.42E-07 3.96E-07 9.99E-07 2.99E-06 5.44E-05

2.99E+01 5.23E-29 3.40E-04 2.72E-06 1.13E-07 3.06E-07 7.66E-07 2.26E-06 1.32E-04

3.00E+01 3.00E-29 3.28E-04 2.71E-06 1.12E-07 3.01E-07 7.50E-07 2.23E-06 1.28E-04

3.16E+01 0.00E+00 4.90E-04 2.48E-06 8.86E-08 2.41E-07 5.78E-07 1.78E-06 8.39E-05

3.35E+01 0.00E+00 3.44E-04 1.72E-06 6.81E-08 1.87E-07 4.43E-07 1.38E-06 6.36E-05

3.54E+01 0.00E+00 2.31E-04 1.02E-06 5.11E-08 1.41E-07 3.14E-07 1.06E-06 8.14E-06

3.75E+01 0.00E+00 1.42E-04 6.57E-07 3.76E-08 1.05E-07 2.33E-07 6.78E-07 6.99E-06

3.97E+01 0.00E+00 7.59E-05 4.52E-07 2.76E-08 7.71E-08 1.49E-07 3.71E-07 1.11E-06

4.20E+01 0.00E+00 1.05E-04 4.21E-07 2.00E-08 5.54E-08 9.31E-08 2.53E-07 8.11E-07

4.44E+01 0.00E+00 6.98E-05 2.43E-07 1.41E-08 3.93E-08 5.65E-08 1.45E-07 4.77E-07

4.70E+01 0.00E+00 4.51E-05 1.56E-07 9.83E-09 2.73E-08 3.72E-08 1.01E-07 3.32E-07

4.97E+01 0.00E+00 2.82E-05 9.75E-08 6.56E-09 1.87E-08 2.54E-08 6.91E-08 1.79E-07

5.26E+01 0.00E+00 1.68E-05 5.87E-08 4.38E-09 1.23E-08 1.76E-08 5.14E-08 1.02E-07

5.57E+01 0.00E+00 9.29E-06 3.34E-08 2.85E-09 7.84E-09 1.19E-08 2.97E-08 6.64E-08

5.90E+01 0.00E+00 4.73E-06 1.88E-08 1.79E-09 4.77E-09 7.31E-09 1.60E-08 4.22E-08

6.24E+01 0.00E+00 2.10E-06 1.28E-08 1.10E-09 3.01E-09 4.52E-09 8.88E-09 2.62E-08

6.0E+01 0.00E+00 1.21E-06 6.01E-09 6.55E-10 1.81E-09 2.79E-09 5.23E-09 1.58E-08

99E+01 0.00E+00 6.07E-07 2.43E-09 3.74E-10 1.06E-09 1.43E-09 2.43E-09 3.97E-09

7.39E+01 0.00E+00 2.86E-07 1.25E-09 2.12E-10 5.86E-10 7.64E-10 1.38E-09 3.31E-09

7.82E+01 0.00E+00 1.43E-07 8.07E-10 1.16E-10 3.20E-10 4.19E-10 6.91E-10 4.79E-09

8.28E+01 0.00E+00 4.17E-07 1.09E-09 5.99E-11 1.67E-10 2.19E-10 3.25E-10 6.48E-10

8.76E+01 0.00E+00 1.94E-07 5.68E-10 3.02E-11 8.60E-11 1.12E-10 1.71E-10 3.31E-10

9.27E+01 0.00E+00 8.41E-08 3.62E-10 1.47E-11 4.21E-11 5.48E-11 9.86E-11 1.83E-10

9.81E+01 0.00E+00 3.41E-08 1.46E-10 6.87E-12 1.97E-11 2.56E-11 4.18E-11 7.65E-11

1.00E+02 0.00E+00 2.50E-08 1.06E-10 5.27E-12 1.52E-11 1.99E-11 3.25E-11 5.89E-11

1.04E+02 0.00E+00 1.31E-08 5.43E-11 3.07E-12 8.86E-12 1.16E-11 2.10E-11 3.45E-11

1.10E+02 0.00E+00 4.28E-09 1.86E-11 1.32E-12 3.80E-12 5.02E-12 8.73E-12 3.03E-11

1.16E+02 0.00E+00 1.33E-09 5.77E-12 5.35E-13 1.55E-12 2.05E-12 3.05E-12 5.96E-12

1.23E+02 0.00E+00 4.84E-10 1.60E-12 2.03E-13 5.98E-13 7.85E-13 1.19E-12 3.50E-12

1.30E+02 0.00E+00 1.90E-10 8.26E-13 7.27E-14 2.19E-13 2.77E-13 4.44E-13 8.51E-13

1.38E+02 0.00E+00 1.91E-10 5.43E-13 2.51E-14 7.61E-14 9.98E-14 1.42E-13 9.08E-13

1.46E+02 0.00E+00 6.23E-11 2.00E-13 8.14E-15 2.48E-14 3.08E-14 4.54E-14 3.80E-13

1.54E+02 0.00E+00 1.90E-11 5.42E-14 2.43E-15 7.50E-15 9.02E-15 1.24E-14 2.46E-14

1.63E+02 0.00E+00 5.40E-12 2.04E-14 6.89E-16 2.13E-15 2.61E-15 3.57E-15 7.12E-15

1.73E+02 0.00E+00 1.43E-12 6.01E-15 1.82E-16 5.61E-16 7.28E-16 1.05E-15 3.16E-15

1.83E+02 0.00E+00 3.50E-13 1.28E-15 4.50E-17 1.40E-16 1.88E-16 3.64E-16 1.27E-15

1.94E+02 0.00E+00 7.88E-14 2.31E-16 1.01E-17 3.47E-17 5.26E-17 1.32E-16 1.05E-15

2.05E+02 0.00E+00 1.63E-14 5.75E-17 2.03E-18 7.42E-18 1.52E-17 8.56E-17 8.32E-16

2.17E+02 0.00E+00 3.07E-15 1.80E-17 3.82E-19 1.46E-18 8.30E-18 7.21E-17 5.36E-16

2.29E+02 0.00E+00 5.25E-16 6.43E-18 6.56E-20 2.66E-19 3.81E-18 5.96E-17 3.88E-16

2.43E+02 0.00E+00 8.10E-17 1.25E-18 9.99E-21 4.20E-20 9.48E-19 1.22E-17 5.08E-17

2.57E+02 0.00E+00 1.12E-17 2.37E-19 1.38E-21 7.72E-21 3.19E-19 3.06E-18 1.07E-17

2.72E+02 0.00E+00 1.38E-18 2.69E-20 1.63E-22 9.50E-22 2.32E-20 3.61E-19 1.30E-18

2.88E+02 0.00E+00 1.51E-19 3.09E-21 1.70E-23 1.22E-22 1.56E-21 3.47E-20 1.43E-19

3.00E+02 0.00E+00 2.73E-20 5.26E-22 2.93E-24 2.14E-23 3.87E-22 6.47E-21 2.64E-20

3.05E+02 0.00E+00 1.45E-20 2.73E-22 1.56E-24 1.31E-23 3.13E-22 2.55E-21 1.36E-20

3.22E+02 0.00E+00 1.21E-21 2.42E-23 1.18E-25 1.57E-24 4.71E-23 3.22E-22 1.14E-21

3.41E+02 0.00E+00 8.80E-23 2.03E-24 7.57E-27 8.12E-26 2.17E-24 3.43E-23 8.19E-23

3.61E+02 0.00E+00 5.48E-24 1.19E-25 4.37E-28 4.54E-27 1.97E-25 1.74E-24 5.07E-24

3.82E+02 0.00E+00 2.90E-25 7.88E-27 2.10E-29 3.00E-28 1.80E-26 1.90E-25 2.67E-25

4.04E+02 0.00E+00 1.31E-26 3.55E-28 0.00E+00 1.37E-29 9.08E-28 7.80E-27 1.26E-26

4.28E+02 0.00E+00 4.86E-28 1.43E-29 0.00E+00 0.00E+00 3.84E-29 2.87E-28 4.67E-28

4.53E+02 0.00E+00 1.49E-29 4.49E-31 0.00E+00 0.00E+00 1.64E-30 8.99E-30 1.43E-29

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

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

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 EU-155.RAD

Summary of dose at graphical times, reptition 2

Time Years	Dose statistics at graphical times, mrem/yr							
	Minimum	Maximum	Mean	Median	90%	95%	97.5%	99%
0.00E+00	2.69E-10	1.06E-03	2.57E-05	1.00E-05	4.87E-05	9.98E-05	1.74E-04	3.29E-04
1.00E+00	2.35E-10	1.89E-03	1.81E-05	8.34E-06	2.90E-05	5.10E-05	7.71E-05	1.16E-04
1.06E+00	2.33E-10	1.92E-03	1.80E-05	8.25E-06	2.86E-05	5.09E-05	7.59E-05	1.12E-04
1.12E+00	2.31E-10	1.96E-03	1.79E-05	8.18E-06	2.79E-05	5.03E-05	7.42E-05	1.14E-04
1.19E+00	2.29E-10	1.99E-03	1.78E-05	8.07E-06	2.73E-05	4.96E-05	7.25E-05	1.16E-04
1.25E+00	2.27E-10	2.02E-03	1.77E-05	7.98E-06	2.69E-05	4.89E-05	7.18E-05	1.19E-04
1.33E+00	2.24E-10	2.05E-03	1.76E-05	7.90E-06	2.61E-05	4.83E-05	7.08E-05	1.22E-04
1.40E+00	2.22E-10	2.08E-03	1.74E-05	7.82E-06	2.46E-05	4.76E-05	6.77E-05	1.25E-04
1.49E+00	2.19E-10	2.11E-03	1.73E-05	7.74E-06	2.34E-05	4.68E-05	6.52E-05	1.27E-04
1.57E+00	2.17E-10	2.12E-03	1.71E-05	7.61E-06	2.31E-05	4.59E-05	6.32E-05	1.30E-04
1.66E+00	2.14E-10	2.11E-03	1.69E-05	7.50E-06	2.27E-05	4.50E-05	6.16E-05	1.33E-04
1.76E+00	2.11E-10	2.10E-03	1.67E-05	7.37E-06	2.21E-05	4.41E-05	6.00E-05	1.36E-04
1.86E+00	2.08E-10	2.08E-03	1.64E-05	7.27E-06	2.17E-05	4.39E-05	5.84E-05	1.39E-04
1.97E+00	2.05E-10	2.03E-03	1.61E-05	7.15E-06	2.10E-05	4.30E-05	5.61E-05	1.42E-04
2.09E+00	2.02E-10	1.98E-03	1.58E-05	7.04E-06	2.06E-05	4.07E-05	5.36E-05	1.46E-04
2.21E+00	1.99E-10	1.90E-03	1.54E-05	6.88E-06	1.98E-05	3.95E-05	5.17E-05	1.49E-04
2.24E+00	1.95E-10	1.82E-03	1.50E-05	6.74E-06	1.93E-05	3.83E-05	5.14E-05	1.52E-04
2.47E+00	1.92E-10	1.72E-03	1.45E-05	6.61E-06	1.89E-05	3.71E-05	5.14E-05	1.55E-04
2.62E+00	1.88E-10	1.63E-03	1.41E-05	6.47E-06	1.86E-05	3.58E-05	5.15E-05	1.58E-04
2.77E+00	1.84E-10	1.53E-03	1.37E-05	6.22E-06	1.80E-05	3.49E-05	5.25E-05	1.61E-04
2.93E+00	1.80E-10	1.44E-03	1.32E-05	6.11E-06	1.76E-05	3.44E-05	5.35E-05	1.63E-04
3.00E+00	1.78E-10	1.40E-03	1.30E-05	6.05E-06	1.74E-05	3.43E-05	5.35E-05	1.64E-04
3.310E+00	1.76E-10	1.34E-03	1.28E-05	5.91E-06	1.72E-05	3.44E-05	5.33E-05	1.66E-04
3.328E+00	1.71E-10	1.25E-03	1.23E-05	5.76E-06	1.64E-05	3.38E-05	5.30E-05	1.68E-04
3.48E+00	1.67E-10	1.16E-03	1.19E-05	5.58E-06	1.57E-05	3.26E-05	5.24E-05	1.65E-04
3.68E+00	1.62E-10	1.07E-03	1.14E-05	5.41E-06	1.51E-05	3.15E-05	5.19E-05	1.58E-04
3.89E+00	1.58E-10	9.85E-04	1.10E-05	5.27E-06	1.45E-05	3.02E-05	4.96E-05	1.52E-04
4.12E+00	1.53E-10	9.01E-04	1.05E-05	5.06E-06	1.39E-05	2.90E-05	4.72E-05	1.45E-04
4.36E+00	1.48E-10	8.20E-04	1.01E-05	4.85E-06	1.36E-05	2.84E-05	4.48E-05	1.38E-04
4.61E+00	1.43E-10	7.42E-04	9.91E-06	4.67E-06	1.28E-05	2.71E-05	5.16E-05	1.32E-04
4.88E+00	1.37E-10	6.67E-04	1.03E-05	4.52E-06	1.25E-05	2.65E-05	5.00E-05	1.75E-04
5.17E+00	1.32E-10	1.23E-03	1.31E-05	4.32E-06	1.20E-05	2.63E-05	4.83E-05	1.66E-04
5.547E+00	1.27E-10	4.77E-03	2.61E-05	4.13E-06	1.15E-05	2.55E-05	4.64E-05	1.58E-04
5.578E+00	1.21E-10	1.10E-02	5.03E-05	3.93E-06	1.10E-05	2.57E-05	4.47E-05	1.49E-04
6.12E+00	1.16E-10	1.62E-02	7.10E-05	3.76E-06	1.06E-05	2.47E-05	5.03E-05	1.40E-04
6.48E+00	1.10E-10	1.77E-02	7.87E-05	3.56E-06	1.02E-05	2.42E-05	4.93E-05	1.69E-04
6.86E+00	1.05E-10	1.66E-02	7.71E-05	3.37E-06	9.97E-06	2.30E-05	5.64E-05	1.61E-04
7.26E+00	9.91E-11	1.55E-02	8.32E-05	3.17E-06	9.41E-06	2.16E-05	5.43E-05	2.43E-04
7.68E+00	9.35E-11	1.43E-02	8.98E-05	2.96E-06	8.42E-06	2.05E-05	5.18E-05	2.21E-04
8.13E+00	8.79E-11	1.37E-02	9.38E-05	2.78E-06	7.85E-06	2.12E-05	4.91E-05	1.86E-04
8.60E+00	8.24E-11	1.25E-02	9.85E-05	2.57E-06	7.54E-06	1.99E-05	5.09E-05	1.54E-04
9.10E+00	7.69E-11	1.23E-02	9.67E-05	2.39E-06	7.16E-06	1.97E-05	4.90E-05	2.21E-04
9.63E+00	7.15E-11	1.13E-02	8.94E-05	2.22E-06	6.67E-06	1.81E-05	4.88E-05	9.05E-04
1.00E+01	6.79E-11	1.06E-02	8.73E-05	2.11E-06	6.12E-06	1.70E-05	4.59E-05	2.54E-03
1.02E+01	6.62E-11	1.03E-02	8.76E-05	2.05E-06	5.93E-06	1.65E-05	4.44E-05	4.00E-03
1.08E+01	6.10E-11	9.30E-03	8.80E-05	1.89E-06	5.54E-06	1.49E-05	4.03E-05	7.35E-03
1.14E+01	5.59E-11	8.35E-03	8.72E-05	1.73E-06	4.96E-06	1.43E-05	3.66E-05	7.09E-03
1.21E+01	5.10E-11	7.76E-03	8.39E-05	1.57E-06	4.48E-06	1.30E-05	3.36E-05	6.29E-03
1.28E+01	4.63E-11	6.61E-03	7.34E-05	1.40E-06	4.40E-06	1.18E-05	2.95E-05	5.45E-03
1.35E+01	4.18E-11	5.80E-03	6.49E-05	1.25E-06	3.96E-06	1.13E-05	2.45E-05	4.62E-03
1.43E+01	3.75E-11	5.05E-03	6.18E-05	1.11E-06	3.68E-06	1.01E-05	2.31E-05	3.99E-03
1.51E+01	3.34E-11	5.31E-03	5.42E-05	9.85E-07	3.36E-06	8.99E-06	1.91E-05	3.26E-03
1.60E+01	2.96E-11	4.68E-03	4.57E-05	8.70E-07	3.08E-06	8.30E-06	1.64E-05	2.54E-03
1.70E+01	2.60E-11	4.09E-03	4.05E-05	7.60E-07	2.73E-06	6.91E-06	1.45E-05	2.03E-03
1.80E+01	2.27E-11	3.55E-03	3.24E-05	6.59E-07	2.29E-06	5.91E-06	1.24E-05	1.51E-03
1.90E+01	1.97E-11	3.05E-03	2.75E-05	5.66E-07	1.89E-06	4.92E-06	1.01E-05	1.67E-03

2.01E+01 1.69E-11 2.60E-03 2.13E-05 4.80E-07 1.64E-06 4.09E-06 8.67E-06 1.08E-03

2.13E+01 1.44E-11 2.20E-03 1.51E-05 4.05E-07 1.40E-06 3.47E-06 7.30E-06 5.62E-04

2.25E+01 1.21E-11 1.84E-03 1.03E-05 3.37E-07 1.13E-06 2.89E-06 6.12E-06 7.74E-05

2.38E+01 1.01E-11 1.52E-03 8.07E-06 2.78E-07 8.69E-07 2.18E-06 4.25E-06 7.27E-05

2.52E+01 8.34E-12 1.25E-03 6.74E-06 2.26E-07 7.30E-07 1.86E-06 3.58E-06 3.21E-04

2.67E+01 6.82E-12 1.01E-03 5.40E-06 1.81E-07 5.93E-07 1.52E-06 2.88E-06 2.62E-04

2.82E+01 5.50E-12 8.08E-04 3.96E-06 1.47E-07 4.98E-07 1.14E-06 2.38E-06 1.12E-04

2.99E+01 4.38E-12 6.37E-04 3.16E-06 1.16E-07 3.95E-07 9.09E-07 1.79E-06 1.58E-04

3.00E+01 4.31E-12 6.27E-04 3.15E-06 1.14E-07 3.88E-07 8.94E-07 1.76E-06 1.51E-04

3.16E+01 3.45E-12 5.01E-04 2.87E-06 8.91E-08 2.95E-07 6.90E-07 1.32E-06 7.26E-05

3.35E+01 1.20E-12 3.80E-04 2.08E-06 6.86E-08 2.26E-07 5.50E-07 9.68E-07 5.36E-05

3.54E+01 1.99E-13 2.87E-04 1.63E-06 5.15E-08 1.70E-07 4.10E-07 7.03E-07 3.98E-05

3.75E+01 2.97E-14 2.13E-04 1.22E-06 3.81E-08 1.28E-07 3.08E-07 5.21E-07 2.39E-05

3.97E+01 3.98E-15 1.56E-04 6.44E-07 2.78E-08 9.22E-08 2.16E-07 3.60E-07 1.73E-06

4.20E+01 4.73E-16 1.12E-04 4.09E-07 2.00E-08 6.31E-08 1.31E-07 2.17E-07 5.69E-07

4.44E+01 4.96E-17 7.83E-05 2.62E-07 1.40E-08 4.43E-08 1.03E-07 1.48E-07 4.02E-07

4.70E+01 4.57E-18 5.39E-05 2.19E-07 9.66E-09 3.06E-08 6.89E-08 1.10E-07 2.30E-07

4.97E+01 3.66E-19 3.63E-05 1.31E-07 6.54E-09 2.09E-08 4.42E-08 6.51E-08 1.68E-07

5.26E+01 2.53E-20 2.38E-05 5.87E-08 4.34E-09 1.36E-08 2.75E-08 4.12E-08 8.20E-08

5.57E+01 1.50E-21 1.53E-05 4.97E-08 2.83E-09 8.82E-09 1.68E-08 2.83E-08 6.36E-08

5.90E+01 7.52E-23 9.56E-06 3.56E-08 1.79E-09 5.60E-09 1.02E-08 1.88E-08 4.13E-08

6.24E+01 3.17E-24 5.81E-06 2.05E-08 1.11E-09 3.50E-09 6.27E-09 1.14E-08 2.75E-08

60E+01 1.11E-25 3.42E-06 1.29E-08 6.51E-10 2.08E-09 3.71E-09 7.51E-09 1.59E-08

99E+01 3.21E-27 2.45E-06 9.53E-09 3.74E-10 1.21E-09 2.08E-09 3.92E-09 7.39E-09

7.39E+01 7.51E-29 1.30E-06 5.33E-09 2.11E-10 6.88E-10 1.16E-09 2.12E-09 4.18E-09

7.82E+01 1.36E-30 6.53E-07 3.30E-09 1.15E-10 3.82E-10 6.55E-10 1.14E-09 2.29E-09

8.28E+01 0.00E+00 3.49E-07 2.01E-09 6.05E-11 1.93E-10 3.42E-10 6.33E-10 1.21E-09

8.76E+01 0.00E+00 1.50E-07 9.09E-10 3.08E-11 9.72E-11 1.63E-10 3.15E-10 1.13E-09

9.27E+01 0.00E+00 6.84E-08 3.76E-10 1.49E-11 4.70E-11 8.10E-11 1.48E-10 4.11E-10

9.81E+01 0.00E+00 3.06E-08 1.44E-10 6.79E-12 2.19E-11 3.62E-11 6.46E-11 1.97E-10

1.00E+02 0.00E+00 2.32E-08 1.04E-10 5.22E-12 1.68E-11 2.66E-11 4.90E-11 2.47E-10

1.04E+02 0.00E+00 1.83E-08 7.28E-11 3.02E-12 9.59E-12 1.53E-11 2.67E-11 5.94E-11

1.10E+02 0.00E+00 5.27E-09 1.44E-11 1.29E-12 4.07E-12 5.96E-12 1.01E-11 1.51E-11

1.16E+02 0.00E+00 2.01E-09 5.69E-12 5.26E-13 1.55E-12 2.36E-12 3.55E-12 5.18E-12

1.23E+02 0.00E+00 7.19E-10 1.98E-12 2.02E-13 6.02E-13 9.16E-13 1.25E-12 2.01E-12

1.30E+02 0.00E+00 2.40E-10 6.37E-13 7.39E-14 2.21E-13 3.32E-13 4.47E-13 7.93E-13

1.38E+02 0.00E+00 7.40E-11 1.88E-13 2.54E-14 7.70E-14 1.11E-13 1.49E-13 2.56E-13

1.46E+02 0.00E+00 2.08E-11 5.53E-14 8.26E-15 2.47E-14 3.43E-14 4.44E-14 7.73E-14

1.54E+02 0.00E+00 5.15E-12 1.86E-14 2.53E-15 7.48E-15 1.02E-14 1.38E-14 2.34E-14

1.63E+02 0.00E+00 1.05E-12 4.34E-15 7.18E-16 2.14E-15 2.99E-15 4.12E-15 6.76E-15

1.73E+02 0.00E+00 1.62E-13 9.13E-16 1.89E-16 5.71E-16 8.82E-16 1.17E-15 1.94E-15

1.83E+02 0.00E+00 3.25E-14 1.96E-16 4.68E-17 1.45E-16 2.20E-16 2.78E-16 1.20E-15

1.94E+02 0.00E+00 2.81E-14 9.11E-17 1.04E-17 3.70E-17 5.50E-17 1.02E-16 9.41E-16

2.05E+02 0.00E+00 1.31E-14 4.01E-17 2.15E-18 7.89E-18 1.99E-17 7.04E-17 8.72E-16

2.17E+02 0.00E+00 2.40E-15 1.45E-17 4.11E-19 1.71E-18 6.20E-18 5.98E-17 1.84E-16

2.29E+02 0.00E+00 4.00E-16 4.53E-18 7.06E-20 3.00E-19 4.03E-18 2.88E-17 1.47E-16

2.43E+02 0.00E+00 8.20E-17 1.09E-18 1.06E-20 4.68E-20 6.86E-19 1.11E-17 5.15E-17

2.57E+02 0.00E+00 1.13E-17 1.96E-19 1.43E-21 6.98E-21 3.01E-19 2.69E-18 8.00E-18

2.72E+02 0.00E+00 1.40E-18 2.55E-20 1.72E-22 8.85E-22 3.96E-20 3.57E-19 1.17E-18

2.88E+02 0.00E+00 1.52E-19 2.38E-21 1.79E-23 7.87E-23 2.48E-21 2.30E-20 1.05E-19

3.00E+02 0.00E+00 2.74E-20 4.96E-22 3.01E-24 1.40E-23 4.93E-22 6.07E-21 1.96E-20

3.05E+02 0.00E+00 1.46E-20 2.83E-22 1.55E-24 7.45E-24 2.48E-22 5.09E-21 1.08E-20

3.22E+02 0.00E+00 1.22E-21 2.47E-23 1.22E-25 7.35E-25 1.84E-23 3.97E-22 9.35E-22

3.41E+02 0.00E+00 8.96E-23 1.86E-24 8.34E-27 5.69E-26 1.36E-24 3.09E-23 7.15E-23

3.61E+02 0.00E+00 5.58E-24 1.16E-25 4.79E-28 4.43E-27 8.03E-26 2.16E-24 4.39E-24

3.82E+02 0.00E+00 2.95E-25 6.30E-27 2.36E-29 2.33E-28 1.06E-26 1.13E-25 2.62E-25

4.04E+02 0.00E+00 1.32E-26 3.23E-28 0.00E+00 1.00E-29 9.54E-28 5.92E-27 1.11E-26

4.28E+02 0.00E+00 4.90E-28 1.28E-29 0.00E+00 0.00E+00 4.25E-29 2.48E-28 4.28E-28

4.53E+02 0.00E+00 1.50E-29 3.38E-31 0.00E+00 0.00E+00 0.00E+00 5.70E-30 1.31E-29

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

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 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

Probabilistic results summary : RESRAD Default Parameters

File : C:\USERS\DNF\DOCUMENTS\FT CALHOUN\RESRAD INPUT FILES\BP INSITU UA\FCS BURIED PIPE INSITU UA EU-155.RAD

Summary of dose at graphical times, reptition 3

Dose statistics at graphical times, mrem/yr								
Time	Minimum	Maximum	Mean	Median	90%	95%	97.5%	99%
Years								
0.00E+00	3.37E-11	2.42E-03	2.95E-05	1.00E-05	5.23E-05	1.07E-04	1.84E-04	3.44E-04
1.00E+00	2.95E-11	5.50E-04	1.70E-05	8.58E-06	3.14E-05	6.06E-05	9.00E-05	1.99E-04
1.06E+00	2.93E-11	5.59E-04	1.68E-05	8.50E-06	3.06E-05	5.86E-05	8.88E-05	1.87E-04
1.12E+00	2.91E-11	5.68E-04	1.65E-05	8.42E-06	3.10E-05	5.71E-05	8.75E-05	1.74E-04
1.19E+00	2.88E-11	5.77E-04	1.63E-05	8.34E-06	2.99E-05	5.56E-05	8.62E-05	1.62E-04
1.25E+00	2.86E-11	5.86E-04	1.60E-05	8.26E-06	2.90E-05	5.60E-05	8.45E-05	1.62E-04
1.33E+00	2.83E-11	5.95E-04	1.58E-05	8.17E-06	2.91E-05	5.69E-05	8.33E-05	1.62E-04
1.40E+00	2.80E-11	6.04E-04	1.55E-05	8.07E-06	2.93E-05	5.62E-05	8.18E-05	1.53E-04
1.49E+00	2.77E-11	6.12E-04	1.53E-05	7.97E-06	2.95E-05	5.59E-05	8.09E-05	1.56E-04
1.57E+00	2.74E-11	6.20E-04	1.51E-05	7.87E-06	2.76E-05	5.38E-05	8.03E-05	1.60E-04
1.66E+00	2.71E-11	6.28E-04	1.48E-05	7.76E-06	2.56E-05	5.17E-05	7.96E-05	1.60E-04
1.76E+00	2.67E-11	6.35E-04	1.46E-05	7.63E-06	2.50E-05	4.96E-05	7.40E-05	1.60E-04
1.86E+00	2.64E-11	6.42E-04	1.43E-05	7.52E-06	2.46E-05	4.72E-05	7.19E-05	1.59E-04
1.97E+00	2.60E-11	6.48E-04	1.41E-05	7.39E-06	2.41E-05	4.52E-05	6.80E-05	1.58E-04
2.09E+00	2.56E-11	6.54E-04	1.39E-05	7.26E-06	2.36E-05	4.30E-05	6.55E-05	1.57E-04
2.21E+00	2.52E-11	6.59E-04	1.36E-05	7.13E-06	2.30E-05	4.28E-05	6.54E-05	1.56E-04
2.24E+00	2.48E-11	6.63E-04	1.34E-05	6.88E-06	2.16E-05	4.26E-05	6.53E-05	1.55E-04
2.27E+00	2.43E-11	6.66E-04	1.31E-05	6.69E-06	2.02E-05	4.05E-05	6.50E-05	1.53E-04
2.62E+00	2.39E-11	6.68E-04	1.28E-05	6.50E-06	1.91E-05	3.97E-05	6.47E-05	1.52E-04
2.77E+00	2.34E-11	6.69E-04	1.26E-05	6.33E-06	1.86E-05	3.91E-05	6.36E-05	1.50E-04
2.93E+00	2.29E-11	6.69E-04	1.23E-05	6.17E-06	1.78E-05	3.84E-05	6.18E-05	1.48E-04
3.00E+00	2.27E-11	6.69E-04	1.21E-05	6.12E-06	1.76E-05	3.81E-05	6.13E-05	1.47E-04
3.10E+00	2.24E-11	6.68E-04	1.20E-05	6.01E-06	1.74E-05	3.76E-05	6.05E-05	1.45E-04
3.28E+00	2.19E-11	6.65E-04	1.16E-05	5.85E-06	1.69E-05	3.58E-05	5.92E-05	1.43E-04
3.48E+00	2.13E-11	6.61E-04	1.13E-05	5.69E-06	1.64E-05	3.42E-05	5.77E-05	1.40E-04
3.68E+00	2.08E-11	6.56E-04	1.10E-05	5.55E-06	1.59E-05	3.33E-05	5.63E-05	1.37E-04
3.89E+00	2.02E-11	6.49E-04	1.07E-05	5.36E-06	1.54E-05	3.18E-05	5.62E-05	1.34E-04
4.12E+00	1.96E-11	6.40E-04	1.04E-05	5.20E-06	1.48E-05	3.15E-05	5.56E-05	1.31E-04
4.36E+00	1.90E-11	6.30E-04	1.01E-05	5.04E-06	1.40E-05	3.05E-05	5.61E-05	1.31E-04
4.61E+00	1.84E-11	6.18E-04	1.01E-05	4.77E-06	1.34E-05	2.95E-05	5.50E-05	1.66E-04
4.88E+00	1.77E-11	9.57E-04	1.11E-05	4.55E-06	1.25E-05	2.84E-05	5.42E-05	1.60E-04
5.17E+00	1.71E-11	4.08E-03	1.71E-05	4.36E-06	1.21E-05	2.75E-05	5.57E-05	1.49E-04
5.47E+00	1.64E-11	8.78E-03	2.64E-05	4.17E-06	1.16E-05	2.83E-05	5.47E-05	1.47E-04
5.57E+00	1.58E-11	1.32E-02	3.61E-05	3.98E-06	1.11E-05	2.75E-05	5.52E-05	1.40E-04
6.12E+00	1.51E-11	1.53E-02	4.50E-05	3.78E-06	1.06E-05	2.67E-05	5.45E-05	1.48E-04
6.48E+00	1.44E-11	1.43E-02	5.49E-05	3.58E-06	1.00E-05	2.58E-05	5.36E-05	1.40E-04
6.86E+00	1.37E-11	1.33E-02	6.99E-05	3.39E-06	1.01E-05	2.48E-05	5.15E-05	1.31E-04
7.26E+00	1.30E-11	1.38E-02	7.96E-05	3.18E-06	9.30E-06	2.39E-05	4.93E-05	1.23E-04
7.68E+00	1.23E-11	1.32E-02	8.14E-05	2.99E-06	8.61E-06	2.44E-05	5.05E-05	1.17E-04
8.13E+00	1.16E-11	1.20E-02	7.53E-05	2.80E-06	8.06E-06	2.30E-05	5.41E-05	4.22E-04
8.60E+00	1.09E-11	1.11E-02	7.00E-05	2.60E-06	7.39E-06	2.15E-05	4.95E-05	4.00E-04
9.10E+00	1.02E-11	1.03E-02	6.57E-05	2.39E-06	6.77E-06	2.04E-05	4.61E-05	1.22E-03
9.63E+00	9.50E-12	9.44E-03	6.73E-05	2.19E-06	6.16E-06	1.87E-05	4.92E-05	9.79E-04
1.00E+01	9.05E-12	9.01E-03	6.92E-05	2.07E-06	5.77E-06	1.78E-05	4.77E-05	8.38E-04
1.02E+01	8.82E-12	1.01E-02	6.94E-05	2.01E-06	5.62E-06	1.73E-05	4.68E-05	7.75E-04
1.08E+01	8.16E-12	9.87E-03	6.51E-05	1.84E-06	4.96E-06	1.61E-05	4.36E-05	2.01E-03
1.14E+01	7.51E-12	9.04E-03	6.30E-05	1.66E-06	4.49E-06	1.48E-05	4.40E-05	2.46E-03
1.21E+01	6.88E-12	8.24E-03	5.57E-05	1.51E-06	4.11E-06	1.37E-05	4.02E-05	8.38E-04
1.28E+01	6.27E-12	7.46E-03	4.93E-05	1.36E-06	3.80E-06	1.23E-05	3.33E-05	9.21E-04
1.35E+01	5.68E-12	6.72E-03	4.96E-05	1.21E-06	3.50E-06	1.12E-05	3.02E-05	3.71E-03
1.43E+01	5.12E-12	6.02E-03	4.76E-05	1.07E-06	3.16E-06	1.01E-05	2.95E-05	3.19E-03
1.51E+01	4.59E-12	5.35E-03	4.18E-05	9.52E-07	2.86E-06	9.01E-06	2.63E-05	2.71E-03
1.60E+01	4.08E-12	4.73E-03	3.79E-05	8.33E-07	2.58E-06	7.99E-06	2.32E-05	2.29E-03
1.70E+01	3.61E-12	4.15E-03	3.87E-05	7.26E-07	2.30E-06	7.20E-06	2.06E-05	1.92E-03
1.80E+01	3.17E-12	3.61E-03	3.52E-05	6.32E-07	2.06E-06	6.37E-06	1.91E-05	1.58E-03
1.90E+01	2.76E-12	3.12E-03	2.98E-05	5.36E-07	1.71E-06	5.70E-06	1.52E-05	1.29E-03

2.01E+01 2.38E-12 2.67E-03 2.55E-05 4.50E-07 1.45E-06 5.06E-06 1.29E-05 1.03E-03

2.13E+01 2.04E-12 2.27E-03 2.39E-05 3.81E-07 1.16E-06 3.89E-06 1.08E-05 1.44E-03

2.25E+01 1.72E-12 1.90E-03 2.05E-05 3.19E-07 1.03E-06 3.28E-06 8.99E-06 1.18E-03

2.38E+01 1.41E-12 1.58E-03 1.66E-05 2.64E-07 8.18E-07 2.60E-06 7.39E-06 9.56E-04

2.52E+01 1.16E-12 1.30E-03 1.33E-05 2.14E-07 6.88E-07 2.15E-06 6.00E-06 7.65E-04

2.67E+01 9.41E-13 1.06E-03 1.06E-05 1.73E-07 5.49E-07 1.74E-06 4.80E-06 6.03E-04

2.82E+01 7.58E-13 8.53E-04 8.46E-06 1.40E-07 4.54E-07 1.41E-06 3.67E-06 4.70E-04

2.99E+01 6.03E-13 6.77E-04 7.04E-06 1.11E-07 3.70E-07 1.16E-06 2.96E-06 3.62E-04

3.00E+01 5.93E-13 6.66E-04 6.99E-06 1.09E-07 3.64E-07 1.14E-06 2.90E-06 3.55E-04

3.16E+01 4.74E-13 5.30E-04 6.06E-06 8.68E-08 3.00E-07 9.25E-07 2.27E-06 4.43E-04

3.35E+01 3.68E-13 4.10E-04 4.73E-06 6.70E-08 2.24E-07 6.72E-07 1.72E-06 3.38E-04

3.54E+01 9.66E-14 3.12E-04 3.68E-06 5.03E-08 1.73E-07 5.13E-07 1.38E-06 2.55E-04

3.75E+01 7.34E-18 2.33E-04 2.71E-06 3.71E-08 1.33E-07 4.07E-07 1.36E-06 1.89E-04

3.97E+01 3.21E-22 1.72E-04 1.99E-06 2.73E-08 9.21E-08 3.00E-07 1.03E-06 1.37E-04

4.20E+01 7.82E-27 1.24E-04 1.54E-06 1.96E-08 6.51E-08 2.05E-07 4.85E-07 9.80E-05

4.44E+01 0.00E+00 8.81E-05 1.23E-06 1.38E-08 4.66E-08 1.35E-07 3.64E-07 6.89E-05

4.70E+01 0.00E+00 6.13E-05 8.27E-07 9.65E-09 3.27E-08 9.14E-08 2.32E-07 4.72E-05

4.97E+01 0.00E+00 4.17E-05 5.45E-07 6.54E-09 2.17E-08 5.75E-08 2.10E-07 3.17E-05

5.26E+01 0.00E+00 2.78E-05 3.78E-07 4.31E-09 1.43E-08 3.71E-08 3.73E-07 2.29E-05

5.57E+01 0.00E+00 1.81E-05 2.12E-07 2.79E-09 8.92E-09 1.65E-08 4.30E-08 1.33E-05

9.90E+01 0.00E+00 1.15E-05 1.41E-07 1.75E-09 5.68E-09 1.05E-08 2.67E-08 8.27E-06

6.24E+01 0.00E+00 7.08E-06 8.22E-08 1.07E-09 3.48E-09 6.38E-09 1.56E-08 5.00E-06

6.0E+01 0.00E+00 4.25E-06 4.53E-08 6.43E-10 2.09E-09 3.94E-09 9.00E-09 2.94E-06

99E+01 0.00E+00 2.48E-06 2.54E-08 3.72E-10 1.17E-09 2.26E-09 5.01E-09 1.68E-06

7.39E+01 0.00E+00 1.40E-06 1.41E-08 2.09E-10 6.63E-10 1.25E-09 2.70E-09 9.28E-07

7.82E+01 0.00E+00 7.65E-07 8.43E-09 1.14E-10 3.61E-10 6.96E-10 1.49E-09 4.99E-07

8.28E+01 0.00E+00 4.12E-07 4.70E-09 6.01E-11 1.90E-10 3.68E-10 8.22E-10 3.55E-07

8.76E+01 0.00E+00 2.07E-07 2.36E-09 3.02E-11 9.52E-11 1.70E-10 4.18E-10 1.79E-07

9.27E+01 0.00E+00 1.00E-07 1.16E-09 1.47E-11 4.64E-11 7.99E-11 1.82E-10 8.69E-08

9.81E+01 0.00E+00 4.69E-08 5.79E-10 6.79E-12 2.21E-11 3.50E-11 8.27E-11 4.04E-08

1.00E+02 0.00E+00 3.61E-08 4.37E-10 5.22E-12 1.69E-11 2.82E-11 6.33E-11 3.10E-08

1.04E+02 0.00E+00 2.10E-08 2.39E-10 3.05E-12 9.81E-12 1.63E-11 3.96E-11 1.80E-08

1.10E+02 0.00E+00 9.00E-09 9.85E-11 1.30E-12 4.27E-12 6.83E-12 1.55E-11 7.62E-09

1.16E+02 0.00E+00 3.66E-09 3.96E-11 5.28E-13 1.72E-12 2.85E-12 6.79E-12 3.07E-09

1.23E+02 0.00E+00 1.42E-09 1.51E-11 2.02E-13 6.68E-13 1.02E-12 2.49E-12 1.18E-09

1.30E+02 0.00E+00 5.18E-10 5.53E-12 7.46E-14 2.45E-13 3.67E-13 8.71E-13 4.25E-10

1.38E+02 0.00E+00 1.78E-10 2.04E-12 2.55E-14 8.27E-14 1.25E-13 2.87E-13 1.45E-10

1.46E+02 0.00E+00 5.78E-11 7.08E-13 8.29E-15 2.73E-14 4.03E-14 9.08E-14 4.66E-11

1.54E+02 0.00E+00 1.75E-11 2.10E-13 2.49E-15 8.38E-15 1.21E-14 3.02E-14 1.39E-11

1.63E+02 0.00E+00 4.97E-12 5.28E-14 7.08E-16 2.44E-15 3.56E-15 7.70E-15 3.89E-12

1.73E+02 0.00E+00 1.31E-12 1.34E-14 1.86E-16 6.75E-16 9.39E-16 1.94E-15 1.01E-12

1.83E+02 0.00E+00 3.18E-13 3.28E-15 4.59E-17 1.71E-16 3.15E-16 6.83E-16 2.42E-13

1.94E+02 0.00E+00 7.12E-14 7.01E-16 1.04E-17 3.92E-17 7.31E-17 5.21E-16 5.14E-14

2.05E+02 0.00E+00 1.46E-14 1.43E-16 2.14E-18 8.38E-18 2.87E-17 2.86E-16 9.90E-15

2.17E+02 0.00E+00 2.74E-15 3.41E-17 4.07E-19 1.82E-18 1.70E-17 2.65E-16 1.72E-15

2.29E+02 0.00E+00 4.77E-16 8.45E-18 7.00E-20 3.50E-19 9.42E-18 1.48E-16 3.47E-16

2.43E+02 0.00E+00 7.97E-17 1.51E-18 1.07E-20 6.61E-20 2.32E-18 2.62E-17 5.46E-17

2.57E+02 0.00E+00 1.09E-17 2.17E-19 1.44E-21 9.40E-21 1.97E-19 3.56E-18 8.30E-18

2.72E+02 0.00E+00 1.30E-18 2.80E-20 1.69E-22 1.20E-21 1.88E-20 4.47E-19 1.05E-18

2.88E+02 0.00E+00 1.38E-19 2.50E-21 1.79E-23 1.55E-22 4.62E-21 3.47E-20 8.93E-20

3.00E+02 0.00E+00 2.44E-20 4.87E-22 3.18E-24 2.41E-23 7.13E-22 5.83E-21 1.91E-20

3.05E+02 0.00E+00 1.47E-20 2.82E-22 1.64E-24 1.35E-23 5.76E-22 2.94E-21 1.18E-20

3.22E+02 0.00E+00 1.23E-21 2.90E-23 1.32E-25 1.08E-24 8.04E-23 5.12E-22 1.02E-21

3.41E+02 0.00E+00 8.92E-23 2.27E-24 8.90E-27 6.80E-26 7.79E-24 3.99E-23 7.64E-23

3.61E+02 0.00E+00 5.55E-24 1.70E-25 5.26E-28 6.14E-27 6.40E-25 3.79E-24 4.58E-24

3.82E+02 0.00E+00 2.94E-25 8.33E-27 2.37E-29 2.38E-28 2.81E-26 1.68E-25 2.48E-25

4.04E+02 0.00E+00 1.31E-26 2.94E-28 0.00E+00 1.32E-29 6.27E-28 5.35E-27 1.03E-26

4.28E+02 0.00E+00 4.88E-28 1.17E-29 0.00E+00 0.00E+00 3.82E-29 2.19E-28 3.76E-28

4.53E+02 0.00E+00 1.50E-29 4.11E-31 0.00E+00 0.00E+00 1.96E-30 8.47E-30 1.22E-29

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

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 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

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 EU-155.RAD

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

Repetition	Time of peak mean dose		Peak mean dose mrem/yr
	Years		
1	7.678E+00	8.558E-05	
2	8.599E+00	9.847E-05	
3	7.678E+00	8.141E-05	

Title : RESRAD Default Parameters

Input File : FCS BURIED PIPE INSITU UA EU-155.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	10	0.02	10	0.01	11	-0.02	11	-0.01
Contaminated zone b parameter	13	-0.02	13	-0.01	18	0.00	18	0.00
Evapotranspiration coefficient	17	-0.01	17	0.00	7	-0.04	7	-0.03
Wind Speed	18	0.00	18	0.00	17	0.00	17	0.00
Runoff coefficient	7	-0.04	7	-0.01	12	-0.02	12	-0.01
b Parameter of Unsaturated zone 1	2	-0.08	2	-0.03	6	-0.05	6	-0.04
Mass loading for inhalation	5	0.04	5	0.01	9	0.03	9	0.03
Indoor dust filtration factor	12	0.02	12	0.01	16	-0.01	16	0.00
Depth of soil mixing layer	16	0.01	16	0.00	5	-0.05	5	-0.04
Depth of roots	8	-0.03	8	-0.01	8	0.04	8	0.03
Wet weight crop yield of fruit, grain and non-leafy vegetables	15	-0.01	15	0.00	14	0.01	14	0.01
Weathering removal constant of all vegetation	9	-0.03	9	-0.01	13	-0.01	13	-0.01
Wet foliar interception fraction of leafy vegetables	3	0.08	3	0.02	4	-0.08	4	-0.06
Humidity in air	4	0.04	4	0.01	15	-0.01	15	-0.01
Cover erosion rate	1	0.95	1	0.95	3	0.10	3	0.08
Kd of Eu-155 in Contaminated Zone	14	-0.02	14	0.00	1	-0.60	1	-0.60
Kd of Eu-155 in Saturated Zone	11	-0.02	11	-0.01	10	-0.03	10	-0.03
Well pump intake depth	6	-0.04	6	-0.01	2	-0.13	2	-0.10

R-SQUARE 0.91 0.91 0.39 0.39

-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 EU-155.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	16	0.00	16	0.00	16	-0.01	16	-0.01
Contaminated zone b parameter	18	0.00	18	0.00	6	0.07	6	0.06
Evapotranspiration coefficient	11	0.02	11	0.01	14	-0.02	14	-0.02
Wind Speed	7	-0.03	7	-0.01	5	0.08	5	0.06
Runoff coefficient	4	-0.05	4	-0.02	18	0.00	18	0.00
b Parameter of Unsaturated zone 1	2	-0.08	2	-0.02	12	0.04	12	0.03
Mass loading for inhalation	13	-0.01	13	0.00	17	-0.01	17	-0.01
Indoor dust filtration factor	8	-0.03	8	-0.01	9	-0.06	9	-0.05
Depth of soil mixing layer	6	0.04	6	0.01	3	0.12	3	0.09
Depth of roots	10	0.02	10	0.01	7	0.07	7	0.05
Wet weight crop yield of fruit, grain and non-leafy vegetables	15	0.01	15	0.00	13	-0.03	13	-0.02
Weathering removal constant of all vegetation	12	0.01	12	0.00	11	-0.05	11	-0.04
Wet foliar interception fraction of leafy vegetables	9	-0.03	9	-0.01	8	0.06	8	0.05
Humidity in air	3	0.07	3	0.02	15	-0.01	15	-0.01
Cover erosion rate	1	0.95	1	0.95	4	0.11	4	0.09
Kd of Eu-155 in Contaminated Zone	14	0.01	14	0.00	1	-0.61	1	-0.60
Kd of Eu-155 in Saturated Zone	17	0.00	17	0.00	10	-0.06	10	-0.04
Well pump intake depth	5	-0.04	5	-0.01	2	-0.15	2	-0.12

R-SQUARE 0.91 0.91 0.40 0.40

-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 EU-155.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	17	0.01	17	0.00	12	-0.04	12	-0.03
Contaminated zone b parameter	4	-0.06	4	-0.02	5	-0.06	5	-0.04
Evapotranspiration coefficient	7	0.05	7	0.02	16	0.01	16	0.01
Wind Speed	2	-0.09	2	-0.04	6	0.05	6	0.04
Runoff coefficient	11	0.03	11	0.01	14	-0.03	14	-0.02
b Parameter of Unsaturated zone 1	9	-0.04	9	-0.02	13	0.03	13	0.02
Mass loading for inhalation	16	-0.01	16	0.00	18	0.00	18	0.00
Indoor dust filtration factor	8	0.04	8	0.02	11	-0.04	11	-0.03
Depth of soil mixing layer	13	-0.02	13	-0.01	4	-0.08	4	-0.06
Depth of roots	6	-0.06	6	-0.02	9	0.04	9	0.03
Wet weight crop yield of fruit, grain and non-leafy vegetables	14	-0.01	14	-0.01	7	0.05	7	0.04
Weathering removal constant of all vegetation	12	0.03	12	0.01	8	0.05	8	0.03
Wet foliar interception fraction of leafy vegetables	5	-0.06	5	-0.02	15	0.02	15	0.01
Humidity in air	3	-0.08	3	-0.03	17	0.01	17	0.01
Cover erosion rate	1	0.91	1	0.91	3	0.09	3	0.07
Kd of Eu-155 in Contaminated Zone	18	0.00	18	0.00	1	-0.67	1	-0.66
Kd of Eu-155 in Saturated Zone	15	0.01	15	0.01	10	-0.04	10	-0.03
Well pump intake depth	10	0.03	10	0.01	2	-0.13	2	-0.10

R-SQUARE 0.83 0.83 0.46 0.46

-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.