

Probabilistic results summary : RESRAD Default Parameters

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Table of Contents

Part VI: Uncertainty Analysis

RESRAD Uncertainty Analysis Results

Probabilistic Input	2
Total Dose	3
Total Risk	4
Dose vs Pathway: Ground External	5
Dose vs Pathway: Inhalation (w/o Radon)	6
Dose vs Pathway: Radon (Water Ind.)	7
Dose vs Pathway: Plant (Water Ind.)	8
Dose vs Pathway: Meat (Water Ind.)	9
Dose vs Pathway: Milk (Water Ind.)	10
Dose vs Pathway: Soil Ingestion	11
Dose vs Pathway: Water Ingestion	12
Dose vs Pathway: Fish Ingestion	13
Dose vs Pathway: Radon (Water Dep.)	14
Dose vs Pathway: Plant (Water Dep.)	15
Dose vs Pathway: Meat (Water Dep.)	16
Dose vs Pathway: Milk (Water Dep.)	17
Cumulative Probability Summary.....	18
Summary of dose at graphical times, reptition 1.....	19
Summary of dose at graphical times, reptition 2.....	20
Summary of dose at graphical times, reptition 3.....	21
Peak of the mean dose at graphical times.....	22
Correlation and Regression coefficients (if any).....	23

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-152.RAD

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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File : C:\USERS\DNF\DOCUMENTS\FT CALHOUN\RESRAD INPUT FILES\BP INSITU UA\FCS BURIED PIPE INSITU UA EU-152.RAD

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-152											
Min	0.00E+00	7.84E-07	7.84E-07	7.45E-07	2.23E-08	2.32E-09	7.22E-18	6.96E-19	2.13E-19	7.76E-20	
Max	2.38E+02	6.89E-01	1.06E-02	9.15E-03	8.03E-03	5.54E-01	2.03E-01	5.08E-03	1.62E-07	8.80E-17	
Avg	4.07E+00	9.66E-03	1.20E-04	8.54E-05	8.26E-05	4.23E-03	1.35E-03	3.04E-05	3.88E-09	6.99E-18	
Std	1.88E+01	6.61E-02	3.95E-04	2.94E-04	3.17E-04	4.22E-02	1.35E-02	3.33E-04	1.88E-08	6.09E-18	
ALL											
Min	0.00E+00	7.84E-07	7.84E-07	7.45E-07	2.23E-08	2.32E-09	7.22E-18	6.96E-19	2.13E-19	7.76E-20	
Max	2.38E+02	6.89E-01	1.06E-02	9.15E-03	8.03E-03	5.54E-01	2.03E-01	5.08E-03	1.62E-07	8.80E-17	
Avg	4.07E+00	9.66E-03	1.20E-04	8.54E-05	8.26E-05	4.23E-03	1.35E-03	3.04E-05	3.88E-09	6.99E-18	
Std	1.88E+01	6.61E-02	3.95E-04	2.94E-04	3.17E-04	4.22E-02	1.35E-02	3.33E-04	1.88E-08	6.09E-18	

ALL is total dose summed for all nuclides.

Probabilistic results summary : RESRAD Default Parameters

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Probabilistic Risk Summary

Nuclide	RISK(j,t)								
	(j)	t= 0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
<hr/>									
Eu-152									
Min		1.83E-11	1.73E-11	6.68E-13	8.99E-14	4.09E-23	3.93E-24	1.19E-24	4.44E-25
Max		6.89E-07	2.12E-07	2.73E-07	1.31E-05	4.73E-06	1.18E-07	3.78E-12	5.63E-22
Avg		7.07E-09	2.94E-09	2.57E-09	9.22E-08	3.07E-08	7.16E-10	8.99E-14	4.08E-23
Std		3.67E-08	7.79E-09	9.23E-09	9.42E-07	3.07E-07	7.79E-09	4.38E-13	3.82E-23
<hr/>									
ALL									
Min		1.83E-11	1.73E-11	6.68E-13	8.99E-14	4.09E-23	3.93E-24	1.19E-24	4.44E-25
Max		6.89E-07	2.12E-07	2.73E-07	1.31E-05	4.73E-06	1.18E-07	3.78E-12	5.63E-22
Avg		7.07E-09	2.94E-09	2.57E-09	9.22E-08	3.07E-08	7.16E-10	8.99E-14	4.08E-23
Std		3.67E-08	7.79E-09	9.23E-09	9.42E-07	3.07E-07	7.79E-09	4.38E-13	3.82E-23
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ALL is total risk summed for all nuclides.

Probabilistic results summary : RESRAD Default Parameters

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Probabilistic Dose vs Pathway(i): Ground External

Nuclide	DOSE(i,j,t), mrem/yr							
	t= 0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
Eu-152								
Min	3.26E-08	3.24E-19	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	3.24E-06	3.39E-05	3.70E-03	5.54E-01	2.03E-01	5.08E-03	1.62E-07	2.55E-23
Avg	7.73E-07	8.54E-07	8.75E-06	4.18E-03	1.34E-03	3.02E-05	3.87E-09	8.68E-25
Std	1.98E-07	1.60E-06	1.27E-04	4.22E-02	1.35E-02	3.33E-04	1.88E-08	3.62E-24
ALL								
Min	3.26E-08	3.24E-19	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	3.24E-06	3.39E-05	3.70E-03	5.54E-01	2.03E-01	5.08E-03	1.62E-07	2.55E-23
Avg	7.73E-07	8.54E-07	8.75E-06	4.18E-03	1.34E-03	3.02E-05	3.87E-09	8.68E-25
Std	1.98E-07	1.60E-06	1.27E-04	4.22E-02	1.35E-02	3.33E-04	1.88E-08	3.62E-24

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
Eu-152								
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	3.79E-10	2.69E-07	7.77E-08	1.55E-08	3.15E-13	1.36E-17
Avg	0.00E+00	0.00E+00	2.52E-13	9.97E-10	3.08E-10	1.85E-11	2.06E-15	1.20E-19
Std	0.00E+00	0.00E+00	9.77E-12	1.20E-08	3.92E-09	4.15E-10	1.20E-14	7.80E-19
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	3.79E-10	2.69E-07	7.77E-08	1.55E-08	3.15E-13	1.36E-17
Avg	0.00E+00	0.00E+00	2.52E-13	9.97E-10	3.08E-10	1.85E-11	2.06E-15	1.20E-19
Std	0.00E+00	0.00E+00	9.77E-12	1.20E-08	3.92E-09	4.15E-10	1.20E-14	7.80E-19

ALL is total pathway dose summed for all nuclides.

Probabilistic results summary : RESRAD Default Parameters

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

Nuclide	DOSE(i,j,t), mrem/yr							
	(j) t= 0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
Eu-152								
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-152								
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	8.00E-05	7.60E-05	9.66E-05	6.34E-05	3.81E-05	6.74E-07	3.93E-11	5.60E-17
Avg	2.97E-05	2.69E-05	2.32E-05	1.47E-05	4.61E-06	1.06E-07	2.80E-12	8.93E-19
Std	2.06E-05	1.97E-05	1.81E-05	1.27E-05	4.58E-06	1.24E-07	4.67E-12	3.58E-18
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	8.00E-05	7.60E-05	9.66E-05	6.34E-05	3.81E-05	6.74E-07	3.93E-11	5.60E-17
Avg	2.97E-05	2.69E-05	2.32E-05	1.47E-05	4.61E-06	1.06E-07	2.80E-12	8.93E-19
Std	2.06E-05	1.97E-05	1.81E-05	1.27E-05	4.58E-06	1.24E-07	4.67E-12	3.58E-18

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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-152								
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	4.63E-07	4.40E-07	5.64E-07	1.47E-05	4.70E-06	5.70E-07	1.16E-11	1.88E-17
Avg	1.74E-07	1.57E-07	1.35E-07	1.51E-07	5.07E-08	1.43E-09	1.42E-13	9.29E-20
Std	1.20E-07	1.14E-07	1.05E-07	6.87E-07	2.70E-07	1.57E-08	5.98E-13	7.29E-19
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	4.63E-07	4.40E-07	5.64E-07	1.47E-05	4.70E-06	5.70E-07	1.16E-11	1.88E-17
Avg	1.74E-07	1.57E-07	1.35E-07	1.51E-07	5.07E-08	1.43E-09	1.42E-13	9.29E-20
Std	1.20E-07	1.14E-07	1.05E-07	6.87E-07	2.70E-07	1.57E-08	5.98E-13	7.29E-19

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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-152								
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	1.08E-07	1.02E-07	1.33E-07	1.47E-06	4.92E-07	5.72E-08	1.16E-12	6.75E-19
Avg	4.03E-08	3.63E-08	3.14E-08	2.65E-08	8.61E-09	2.24E-10	1.63E-14	3.45E-21
Std	2.78E-08	2.66E-08	2.45E-08	7.17E-08	2.78E-08	1.58E-09	6.09E-14	2.63E-20
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	1.08E-07	1.02E-07	1.33E-07	1.47E-06	4.92E-07	5.72E-08	1.16E-12	6.75E-19
Avg	4.03E-08	3.63E-08	3.14E-08	2.65E-08	8.61E-09	2.24E-10	1.63E-14	3.45E-21
Std	2.78E-08	2.66E-08	2.45E-08	7.17E-08	2.78E-08	1.58E-09	6.09E-14	2.63E-20

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File : C:\USERS\DNF\DOCUMENTS\FT CALHOUN\RESRAD INPUT FILES\BP INSITU UA\FCS BURIED PIPE INSITU UA EU-152.RAD

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-152								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	1.92E-08	1.04E-05	3.23E-06	4.06E-07	8.26E-12	2.68E-17
Avg	0.00E+00	0.00E+00	1.28E-11	4.76E-08	1.71E-08	5.81E-10	8.97E-14	1.30E-19
Std	0.00E+00	0.00E+00	4.96E-10	4.87E-07	1.89E-07	1.11E-08	4.21E-13	1.04E-18
ALL								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	1.92E-08	1.04E-05	3.23E-06	4.06E-07	8.26E-12	2.68E-17
Avg	0.00E+00	0.00E+00	1.28E-11	4.76E-08	1.71E-08	5.81E-10	8.97E-14	1.30E-19
Std	0.00E+00	0.00E+00	4.96E-10	4.87E-07	1.89E-07	1.11E-08	4.21E-13	1.04E-18

ALL is total pathway dose summed for all nuclides.

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File : C:\USERS\DNF\DOCUMENTS\FT CALHOUN\RESRAD INPUT FILES\BP INSITU UA\FCS BURIED PIPE INSITU UA EU-152.RAD

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-152								
Min	4.50E-11	4.29E-11	3.89E-11	2.78E-11	6.67E-18	6.45E-19	2.03E-19	6.86E-20
Max	1.01E-02	8.23E-03	7.22E-03	2.54E-03	3.26E-04	2.90E-06	2.68E-11	1.32E-17
Avg	8.16E-05	5.25E-05	4.61E-05	2.73E-05	6.69E-06	8.70E-08	1.37E-12	5.26E-18
Std	3.72E-04	2.68E-04	2.66E-04	1.21E-04	2.31E-05	2.27E-07	2.72E-12	3.30E-18
ALL								
Min	4.50E-11	4.29E-11	3.89E-11	2.78E-11	6.67E-18	6.45E-19	2.03E-19	6.86E-20
Max	1.01E-02	8.23E-03	7.22E-03	2.54E-03	3.26E-04	2.90E-06	2.68E-11	1.32E-17
Avg	8.16E-05	5.25E-05	4.61E-05	2.73E-05	6.69E-06	8.70E-08	1.37E-12	5.26E-18
Std	3.72E-04	2.68E-04	2.66E-04	1.21E-04	2.31E-05	2.27E-07	2.72E-12	3.30E-18

ALL 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
Eu-152								
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-152.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-152								
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-152.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-152								
Min	7.57E-12	7.25E-12	6.64E-12	4.89E-12	4.34E-19	3.53E-20	8.66E-21	6.33E-21
Max	4.36E-04	8.52E-04	7.55E-04	2.35E-04	2.75E-05	2.22E-07	4.51E-12	3.88E-18
Avg	6.82E-06	4.68E-06	4.10E-06	2.39E-06	5.92E-07	7.47E-09	1.27E-13	4.80E-19
Std	2.59E-05	2.63E-05	2.57E-05	1.12E-05	2.16E-06	1.94E-08	3.07E-13	4.62E-19
ALL								
Min	7.57E-12	7.25E-12	6.64E-12	4.89E-12	4.34E-19	3.53E-20	8.66E-21	6.33E-21
Max	4.36E-04	8.52E-04	7.55E-04	2.35E-04	2.75E-05	2.22E-07	4.51E-12	3.88E-18
Avg	6.82E-06	4.68E-06	4.10E-06	2.39E-06	5.92E-07	7.47E-09	1.27E-13	4.80E-19
Std	2.59E-05	2.63E-05	2.57E-05	1.12E-05	2.16E-06	1.94E-08	3.07E-13	4.62E-19

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-152.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-152								
Min	2.79E-13	2.66E-13	2.41E-13	1.72E-13	1.49E-20	1.48E-21	4.10E-22	1.90E-22
Max	4.46E-05	4.01E-05	3.80E-05	1.31E-05	1.58E-06	1.23E-08	1.27E-13	3.92E-20
Avg	4.11E-07	2.49E-07	2.18E-07	1.29E-07	3.15E-08	4.07E-10	6.50E-15	1.24E-20
Std	1.79E-06	1.28E-06	1.31E-06	5.82E-07	1.09E-07	1.03E-09	1.29E-14	8.04E-21
ALL								
Min	2.79E-13	2.66E-13	2.41E-13	1.72E-13	1.49E-20	1.48E-21	4.10E-22	1.90E-22
Max	4.46E-05	4.01E-05	3.80E-05	1.31E-05	1.58E-06	1.23E-08	1.27E-13	3.92E-20
Avg	4.11E-07	2.49E-07	2.18E-07	1.29E-07	3.15E-08	4.07E-10	6.50E-15	1.24E-20
Std	1.79E-06	1.28E-06	1.31E-06	5.82E-07	1.09E-07	1.03E-09	1.29E-14	8.04E-21

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-152.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-152								
Min	4.93E-14	4.70E-14	4.27E-14	3.04E-14	8.31E-22	7.74E-23	2.17E-23	9.97E-24
Max	6.12E-06	6.71E-06	6.22E-06	2.11E-06	2.54E-07	1.87E-09	2.02E-14	2.54E-21
Avg	6.30E-08	3.97E-08	3.48E-08	2.05E-08	5.02E-09	6.45E-11	1.04E-15	7.10E-22
Std	2.64E-07	2.11E-07	2.12E-07	9.30E-08	1.73E-08	1.63E-10	2.08E-15	4.78E-22
ALL								
Min	4.93E-14	4.70E-14	4.27E-14	3.04E-14	8.31E-22	7.74E-23	2.17E-23	9.97E-24
Max	6.12E-06	6.71E-06	6.22E-06	2.11E-06	2.54E-07	1.87E-09	2.02E-14	2.54E-21
Avg	6.30E-08	3.97E-08	3.48E-08	2.05E-08	5.02E-09	6.45E-11	1.04E-15	7.10E-22
Std	2.64E-07	2.11E-07	2.12E-07	9.30E-08	1.73E-08	1.63E-10	2.08E-15	4.78E-22

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-152.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	8.57E-07	8.27E-07	7.62E-07	5.33E-07	5.16E-08	2.78E-11	5.33E-18	9.56E-19
0.050	1.14E-06	1.11E-06	9.61E-07	6.73E-07	1.94E-07	7.55E-10	1.48E-17	1.45E-18
0.075	1.70E-06	1.72E-06	1.47E-06	9.05E-07	3.12E-07	2.02E-09	2.15E-15	1.95E-18
0.100	3.20E-06	3.25E-06	2.66E-06	1.39E-06	4.14E-07	4.82E-09	1.03E-14	2.25E-18
0.125	9.17E-06	7.45E-06	5.74E-06	2.57E-06	6.31E-07	8.46E-09	2.80E-14	2.45E-18
0.150	2.01E-05	1.71E-05	1.12E-05	4.21E-06	8.76E-07	1.32E-08	5.77E-14	2.58E-18
0.175	2.49E-05	2.32E-05	2.01E-05	6.67E-06	1.23E-06	1.79E-08	1.07E-13	2.71E-18
0.200	2.63E-05	2.44E-05	2.14E-05	9.61E-06	1.64E-06	2.47E-08	1.56E-13	2.83E-18
0.225	2.74E-05	2.57E-05	2.26E-05	1.42E-05	2.27E-06	3.27E-08	2.21E-13	2.96E-18
0.250	2.88E-05	2.70E-05	2.36E-05	1.49E-05	3.47E-06	4.22E-08	3.21E-13	3.08E-18
0.275	3.04E-05	2.84E-05	2.47E-05	1.58E-05	4.36E-06	5.74E-08	5.04E-13	3.23E-18
0.300	3.17E-05	2.98E-05	2.60E-05	1.63E-05	5.06E-06	7.76E-08	7.50E-13	3.41E-18
0.325	3.27E-05	3.08E-05	2.71E-05	1.71E-05	5.36E-06	9.45E-08	1.06E-12	3.60E-18
0.350	3.43E-05	3.21E-05	2.80E-05	1.78E-05	5.64E-06	1.16E-07	1.57E-12	3.90E-18
0.375	3.62E-05	3.39E-05	2.93E-05	1.85E-05	5.86E-06	1.34E-07	2.23E-12	4.31E-18
0.400	3.78E-05	3.53E-05	3.07E-05	1.91E-05	6.08E-06	1.46E-07	2.80E-12	4.66E-18
0.425	3.95E-05	3.68E-05	3.18E-05	1.97E-05	6.38E-06	1.54E-07	3.54E-12	4.88E-18
0.450	4.11E-05	3.85E-05	3.33E-05	2.08E-05	6.68E-06	1.64E-07	4.27E-12	5.07E-18
0.475	4.30E-05	4.01E-05	3.45E-05	2.17E-05	6.93E-06	1.76E-07	4.84E-12	5.26E-18
0.500	4.51E-05	4.20E-05	3.61E-05	2.26E-05	7.19E-06	1.87E-07	5.46E-12	5.47E-18
0.525	4.71E-05	4.40E-05	3.73E-05	2.37E-05	7.46E-06	1.99E-07	6.08E-12	5.79E-18
0.550	4.96E-05	4.57E-05	3.88E-05	2.46E-05	7.78E-06	2.14E-07	7.02E-12	5.99E-18
0.575	5.22E-05	4.78E-05	4.08E-05	2.60E-05	8.19E-06	2.29E-07	8.03E-12	6.28E-18
0.600	5.54E-05	5.02E-05	4.28E-05	2.71E-05	8.64E-06	2.42E-07	8.81E-12	6.59E-18
0.625	5.87E-05	5.35E-05	4.50E-05	2.88E-05	9.11E-06	2.61E-07	1.02E-11	6.87E-18
0.650	6.13E-05	5.67E-05	4.78E-05	3.02E-05	9.62E-06	2.83E-07	1.21E-11	7.23E-18
0.675	6.48E-05	5.87E-05	4.97E-05	3.15E-05	1.02E-05	3.10E-07	1.48E-11	7.56E-18
0.700	6.87E-05	6.27E-05	5.22E-05	3.37E-05	1.08E-05	3.30E-07	1.79E-11	8.05E-18
0.725	7.32E-05	6.55E-05	5.50E-05	3.53E-05	1.15E-05	3.57E-07	2.24E-11	8.50E-18
0.750	7.71E-05	6.93E-05	5.82E-05	3.70E-05	1.24E-05	3.80E-07	3.45E-11	9.23E-18
0.775	8.15E-05	7.19E-05	6.12E-05	3.95E-05	1.31E-05	4.14E-07	4.76E-11	9.89E-18
0.800	8.96E-05	7.57E-05	6.38E-05	4.14E-05	1.41E-05	4.47E-07	8.44E-11	1.08E-17
0.825	1.05E-04	8.24E-05	6.80E-05	4.48E-05	1.51E-05	5.09E-07	1.83E-10	1.15E-17
0.850	1.23E-04	9.29E-05	7.25E-05	4.76E-05	1.62E-05	5.58E-07	3.88E-10	1.23E-17
0.875	1.69E-04	1.12E-04	8.42E-05	5.40E-05	1.81E-05	6.42E-07	7.99E-10	1.27E-17
0.900	2.23E-04	1.43E-04	1.08E-04	6.95E-05	2.30E-05	7.81E-07	1.66E-09	1.31E-17
0.925	3.03E-04	1.74E-04	1.55E-04	1.04E-04	3.63E-05	1.03E-06	4.85E-09	1.36E-17
0.950	4.60E-04	2.57E-04	2.23E-04	2.37E-04	6.74E-05	1.46E-06	1.67E-08	1.50E-17
0.975	7.84E-04	4.13E-04	4.00E-04	6.89E-04	1.68E-04	2.20E-06	4.87E-08	2.00E-17
1.000	1.06E-02	9.15E-03	8.03E-03	5.54E-01	2.03E-01	5.08E-03	1.62E-07	8.80E-17

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-152.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	7.90E-07	3.59E-03	1.14E-04	4.50E-05	2.23E-04	4.80E-04	8.33E-04	1.38E-03
1.00E+00	7.50E-07	2.65E-03	8.49E-05	4.16E-05	1.30E-04	2.78E-04	4.52E-04	1.14E-03
1.06E+00	7.48E-07	2.64E-03	8.45E-05	4.14E-05	1.30E-04	2.83E-04	4.46E-04	1.14E-03
1.12E+00	7.46E-07	2.71E-03	8.41E-05	4.12E-05	1.30E-04	2.85E-04	4.21E-04	1.15E-03
1.19E+00	7.43E-07	2.79E-03	8.37E-05	4.10E-05	1.30E-04	2.76E-04	4.09E-04	1.13E-03
1.25E+00	5.91E-07	2.88E-03	8.34E-05	4.08E-05	1.28E-04	2.67E-04	4.14E-04	1.15E-03
1.33E+00	4.10E-07	2.96E-03	8.30E-05	4.06E-05	1.24E-04	2.58E-04	4.19E-04	1.16E-03
1.40E+00	2.81E-07	3.05E-03	8.27E-05	4.02E-05	1.18E-04	2.64E-04	4.24E-04	1.17E-03
1.49E+00	1.92E-07	3.14E-03	8.24E-05	4.00E-05	1.22E-04	2.63E-04	4.30E-04	1.18E-03
1.57E+00	1.32E-07	3.24E-03	8.21E-05	3.96E-05	1.20E-04	2.51E-04	4.35E-04	1.21E-03
1.66E+00	9.28E-08	3.34E-03	8.19E-05	3.95E-05	1.15E-04	2.37E-04	4.41E-04	1.25E-03
1.76E+00	6.75E-08	3.44E-03	8.16E-05	3.91E-05	1.11E-04	2.19E-04	4.47E-04	1.28E-03
1.86E+00	5.17E-08	3.54E-03	8.15E-05	3.89E-05	1.12E-04	2.22E-04	4.53E-04	1.32E-03
1.97E+00	4.21E-08	3.65E-03	8.14E-05	3.85E-05	1.18E-04	2.15E-04	4.59E-04	1.34E-03
2.09E+00	3.64E-08	3.76E-03	8.14E-05	3.80E-05	1.14E-04	2.09E-04	4.46E-04	1.36E-03
2.21E+00	3.32E-08	3.87E-03	8.15E-05	3.79E-05	1.09E-04	2.10E-04	4.72E-04	1.38E-03
2.24E+00	3.13E-08	3.98E-03	8.18E-05	3.76E-05	1.11E-04	2.13E-04	4.79E-04	1.40E-03
2.27E+00	3.02E-08	4.07E-03	8.22E-05	3.73E-05	1.10E-04	2.25E-04	4.85E-04	1.42E-03
2.26E+00	2.96E-08	4.13E-03	8.30E-05	3.69E-05	1.08E-04	2.20E-04	4.89E-04	1.53E-03
2.27E+00	2.91E-08	4.15E-03	8.42E-05	3.66E-05	1.06E-04	2.18E-04	4.87E-04	1.59E-03
2.29E+00	2.88E-08	4.13E-03	8.62E-05	3.61E-05	1.04E-04	2.19E-04	5.36E-04	1.63E-03
3.00E+00	2.87E-08	4.12E-03	8.73E-05	3.58E-05	1.04E-04	2.21E-04	5.36E-04	1.64E-03
3.10E+00	2.85E-08	4.74E-03	8.95E-05	3.55E-05	1.02E-04	2.21E-04	5.67E-04	1.66E-03
3.28E+00	2.83E-08	7.27E-03	9.49E-05	3.51E-05	1.01E-04	2.27E-04	5.89E-04	1.67E-03
3.48E+00	2.80E-08	1.14E-02	1.04E-04	3.45E-05	1.00E-04	2.29E-04	5.92E-04	1.68E-03
3.68E+00	2.77E-08	1.83E-02	1.19E-04	3.40E-05	9.78E-05	2.31E-04	5.94E-04	1.79E-03
3.89E+00	2.75E-08	3.02E-02	1.46E-04	3.35E-05	9.75E-05	2.33E-04	5.97E-04	2.08E-03
4.12E+00	2.72E-08	5.14E-02	1.94E-04	3.29E-05	9.61E-05	2.34E-04	6.10E-04	2.26E-03
4.36E+00	2.69E-08	9.01E-02	2.80E-04	3.23E-05	9.47E-05	2.34E-04	6.25E-04	2.23E-03
4.61E+00	2.66E-08	1.63E-01	4.42E-04	3.18E-05	9.55E-05	2.35E-04	6.55E-04	2.21E-03
4.88E+00	2.63E-08	3.12E-01	7.66E-04	3.09E-05	9.71E-05	2.37E-04	7.35E-04	2.18E-03
5.17E+00	2.58E-08	4.75E-01	1.14E-03	3.02E-05	9.12E-05	2.36E-04	7.36E-04	2.34E-03
5.47E+00	2.53E-08	6.06E-01	1.49E-03	2.96E-05	8.76E-05	2.32E-04	7.36E-04	2.55E-03
5.78E+00	2.48E-08	6.59E-01	1.75E-03	2.86E-05	8.59E-05	2.37E-04	7.36E-04	2.84E-03
6.12E+00	2.43E-08	6.26E-01	2.00E-03	2.80E-05	8.49E-05	2.36E-04	7.77E-04	4.36E-03
6.48E+00	2.39E-08	5.92E-01	2.46E-03	2.75E-05	8.77E-05	2.35E-04	7.52E-04	6.86E-03
6.86E+00	2.34E-08	5.58E-01	3.05E-03	2.67E-05	8.61E-05	2.75E-04	7.33E-04	1.11E-02
7.26E+00	2.30E-08	5.58E-01	3.46E-03	2.61E-05	8.09E-05	2.66E-04	8.67E-04	1.86E-02
7.68E+00	1.96E-08	6.42E-01	3.61E-03	2.54E-05	7.71E-05	2.58E-04	9.11E-04	3.20E-02
8.13E+00	1.19E-08	6.17E-01	3.63E-03	2.47E-05	7.50E-05	2.49E-04	9.05E-04	5.69E-02
8.60E+00	7.24E-09	5.90E-01	3.82E-03	2.39E-05	7.29E-05	2.41E-04	9.64E-04	1.05E-01
9.10E+00	4.51E-09	5.64E-01	4.06E-03	2.33E-05	7.26E-05	2.42E-04	1.12E-03	1.99E-01
9.63E+00	2.95E-09	5.36E-01	4.27E-03	2.26E-05	7.07E-05	2.42E-04	1.05E-03	3.14E-01
1.00E+01	2.32E-09	5.17E-01	4.33E-03	2.21E-05	6.97E-05	2.42E-04	1.00E-03	2.83E-01
1.02E+01	2.09E-09	5.21E-01	4.32E-03	2.18E-05	6.78E-05	2.42E-04	9.82E-04	2.68E-01
1.08E+01	1.62E-09	4.92E-01	4.10E-03	2.11E-05	6.47E-05	2.41E-04	8.89E-04	2.21E-01
1.14E+01	1.37E-09	4.52E-01	3.97E-03	2.03E-05	6.18E-05	2.40E-04	8.49E-04	1.81E-01
1.21E+01	1.22E-09	4.21E-01	4.04E-03	1.96E-05	5.99E-05	2.27E-04	7.81E-04	2.29E-01
1.28E+01	1.14E-09	3.92E-01	3.64E-03	1.88E-05	5.83E-05	2.14E-04	7.33E-04	1.96E-01
1.35E+01	1.07E-09	3.62E-01	3.14E-03	1.80E-05	5.66E-05	2.20E-04	7.12E-04	1.60E-01
1.43E+01	1.02E-09	4.55E-01	3.19E-03	1.71E-05	5.15E-05	2.01E-04	4.87E-04	1.26E-01
1.51E+01	9.76E-10	4.26E-01	2.99E-03	1.62E-05	4.90E-05	1.98E-04	4.71E-04	1.20E-01
1.60E+01	9.32E-10	3.95E-01	2.92E-03	1.55E-05	4.65E-05	2.21E-04	5.52E-04	1.96E-01
1.70E+01	8.88E-10	3.72E-01	2.88E-03	1.46E-05	4.40E-05	2.16E-04	7.21E-04	1.50E-01
1.80E+01	8.44E-10	3.32E-01	2.49E-03	1.39E-05	4.12E-05	1.96E-04	7.24E-04	1.05E-01
1.90E+01	8.00E-10	3.01E-01	2.18E-03	1.30E-05	3.76E-05	1.57E-04	5.07E-04	7.75E-02

2.01E+01 7.57E-10 2.71E-01 1.94E-03 1.21E-05 3.55E-05 1.31E-04 5.37E-04 1.39E-01

2.13E+01 2.37E-10 2.93E-01 1.93E-03 1.14E-05 3.32E-05 1.03E-04 4.17E-04 1.09E-01

2.25E+01 1.87E-12 2.77E-01 1.61E-03 1.05E-05 3.11E-05 9.36E-05 4.20E-04 5.77E-02

2.38E+01 4.39E-15 2.39E-01 1.28E-03 9.81E-06 2.91E-05 8.73E-05 4.09E-04 1.38E-02

2.52E+01 1.46E-17 2.02E-01 1.09E-03 9.29E-06 2.69E-05 7.25E-05 3.01E-04 1.82E-02

2.67E+01 7.23E-18 1.66E-01 9.75E-04 8.46E-06 2.46E-05 6.21E-05 2.48E-04 3.20E-02

2.82E+01 7.22E-18 1.28E-01 8.93E-04 7.85E-06 2.24E-05 6.26E-05 2.12E-04 5.12E-02

2.99E+01 7.22E-18 1.12E-01 8.41E-04 7.24E-06 1.97E-05 5.79E-05 1.47E-04 3.86E-02

3.00E+01 7.22E-18 1.18E-01 8.43E-04 7.19E-06 1.96E-05 5.76E-05 1.47E-04 3.78E-02

3.16E+01 7.22E-18 1.71E-01 8.25E-04 6.58E-06 1.83E-05 4.98E-05 1.35E-04 2.87E-02

3.35E+01 7.23E-18 1.38E-01 6.58E-04 6.00E-06 1.67E-05 4.33E-05 1.30E-04 2.21E-02

3.54E+01 7.23E-18 1.07E-01 4.73E-04 5.36E-06 1.48E-05 3.33E-05 1.11E-04 1.02E-02

3.75E+01 7.23E-18 7.68E-02 3.82E-04 4.79E-06 1.32E-05 2.86E-05 9.44E-05 3.47E-03

3.97E+01 7.24E-18 4.97E-02 3.33E-04 4.26E-06 1.17E-05 2.48E-05 7.14E-05 3.32E-04

4.20E+01 7.25E-18 9.11E-02 3.35E-04 3.79E-06 1.04E-05 1.99E-05 6.37E-05 4.66E-04

4.44E+01 7.27E-18 7.43E-02 2.39E-04 3.33E-06 9.16E-06 1.62E-05 5.33E-05 1.48E-04

4.70E+01 6.97E-19 5.95E-02 1.92E-04 2.93E-06 8.01E-06 1.47E-05 4.37E-05 1.97E-04

4.97E+01 6.97E-19 4.65E-02 1.51E-04 2.53E-06 7.05E-06 1.29E-05 3.53E-05 2.68E-04

5.26E+01 6.97E-19 3.52E-02 1.18E-04 2.17E-06 6.12E-06 1.10E-05 2.67E-05 3.73E-04

5.57E+01 6.97E-19 2.49E-02 8.99E-05 1.85E-06 5.15E-06 9.38E-06 1.86E-05 5.31E-04

5.90E+01 6.97E-19 1.64E-02 6.98E-05 1.56E-06 4.34E-06 7.86E-06 1.62E-05 7.70E-04

6.24E+01 6.97E-19 1.11E-02 6.09E-05 1.31E-06 3.64E-06 6.04E-06 1.24E-05 1.14E-03

6.60E+01 6.97E-19 8.59E-03 4.06E-05 1.09E-06 3.17E-06 4.64E-06 1.09E-05 1.74E-03

99E+01 6.97E-19 5.92E-03 2.67E-05 8.75E-07 2.49E-06 3.52E-06 7.79E-06 7.52E-04

7.39E+01 6.97E-19 4.36E-03 2.41E-05 7.10E-07 2.02E-06 2.72E-06 6.00E-06 4.14E-04

7.82E+01 6.96E-19 7.17E-03 2.60E-05 5.66E-07 1.70E-06 2.33E-06 4.85E-06 1.06E-04

8.28E+01 6.96E-19 1.31E-02 3.66E-05 4.47E-07 1.36E-06 1.88E-06 3.34E-06 1.40E-04

8.76E+01 6.96E-19 9.06E-03 2.99E-05 3.43E-07 1.14E-06 1.79E-06 2.89E-06 1.88E-04

9.27E+01 6.96E-19 6.09E-03 2.62E-05 2.63E-07 9.04E-07 1.59E-06 2.30E-06 9.40E-05

9.81E+01 6.96E-19 3.98E-03 1.71E-05 1.97E-07 7.57E-07 1.30E-06 1.97E-06 1.23E-04

1.00E+02 6.96E-19 3.41E-03 1.47E-05 1.78E-07 7.32E-07 1.19E-06 1.97E-06 1.35E-04

1.04E+02 6.96E-19 2.46E-03 1.07E-05 1.48E-07 6.70E-07 1.10E-06 1.98E-06 1.18E-04

1.10E+02 6.95E-19 1.32E-03 6.48E-06 1.10E-07 5.32E-07 9.63E-07 2.02E-06 6.93E-05

1.16E+02 6.95E-19 7.88E-04 3.78E-06 7.96E-08 4.04E-07 8.79E-07 1.95E-06 3.94E-05

1.23E+02 6.95E-19 5.21E-04 2.48E-06 5.68E-08 3.09E-07 8.39E-07 2.03E-06 3.89E-05

1.30E+02 6.95E-19 6.35E-04 2.42E-06 3.97E-08 2.40E-07 6.86E-07 1.92E-06 1.14E-05

1.38E+02 6.95E-19 7.52E-04 2.48E-06 2.68E-08 1.93E-07 6.74E-07 2.00E-06 5.83E-06

1.46E+02 6.94E-19 4.95E-04 1.93E-06 1.78E-08 1.65E-07 6.66E-07 2.10E-06 5.09E-06

1.54E+02 6.94E-19 3.18E-04 1.11E-06 1.13E-08 1.37E-07 6.48E-07 1.62E-06 3.66E-06

1.63E+02 6.94E-19 1.99E-04 8.81E-07 7.27E-09 1.19E-07 5.82E-07 1.68E-06 3.97E-06

1.73E+02 6.93E-19 1.21E-04 5.92E-07 4.46E-09 1.03E-07 5.21E-07 1.75E-06 4.34E-06

1.83E+02 6.93E-19 7.18E-05 3.54E-07 2.71E-09 8.88E-08 5.06E-07 1.83E-06 4.77E-06

1.94E+02 6.93E-19 4.13E-05 2.22E-07 1.61E-09 7.14E-08 4.92E-07 1.92E-06 4.75E-06

2.05E+02 6.92E-19 2.29E-05 1.78E-07 9.05E-10 6.04E-08 4.57E-07 1.81E-06 4.18E-06

2.17E+02 2.13E-19 1.23E-05 1.45E-07 5.08E-10 5.11E-08 4.41E-07 1.69E-06 4.49E-06

2.29E+02 2.13E-19 6.38E-06 1.16E-07 2.60E-10 4.25E-08 3.83E-07 1.62E-06 4.66E-06

2.43E+02 2.13E-19 3.18E-06 6.81E-08 1.27E-10 3.08E-08 3.01E-07 1.07E-06 2.43E-06

2.57E+02 2.13E-19 1.52E-06 4.02E-08 6.03E-11 1.78E-08 1.21E-07 7.52E-07 1.45E-06

2.72E+02 2.13E-19 6.99E-07 1.70E-08 2.65E-11 6.91E-09 4.63E-08 3.02E-07 6.57E-07

2.88E+02 2.13E-19 3.07E-07 7.55E-09 1.11E-11 3.85E-09 2.45E-08 8.90E-08 2.89E-07

3.00E+02 2.13E-19 1.62E-07 3.90E-09 5.64E-12 2.12E-09 1.71E-08 4.04E-08 1.55E-07

3.05E+02 2.13E-19 1.28E-07 3.08E-09 4.58E-12 1.93E-09 1.57E-08 3.19E-08 1.20E-07

3.22E+02 2.13E-19 5.09E-08 1.37E-09 1.71E-12 8.93E-10 6.80E-09 1.94E-08 4.75E-08

3.41E+02 2.13E-19 1.91E-08 5.72E-10 5.95E-13 3.93E-10 2.78E-09 1.01E-08 1.78E-08

3.61E+02 2.13E-19 6.81E-09 1.94E-10 2.00E-13 1.33E-10 8.45E-10 2.75E-09 6.30E-09

3.82E+02 2.13E-19 2.28E-09 7.69E-11 6.28E-14 3.37E-11 3.00E-10 1.54E-09 2.10E-09

4.04E+02 2.13E-19 7.27E-10 2.44E-11 1.74E-14 1.32E-11 1.42E-10 4.50E-10 6.97E-10

4.28E+02 2.13E-19 2.12E-10 7.58E-12 3.90E-15 4.07E-12 5.74E-11 1.23E-10 2.04E-10

4.53E+02 2.13E-19 5.77E-11 2.09E-12 9.88E-16 9.19E-13 1.83E-11 3.54E-11 5.57E-11

4.79E+02 2.13E-19 1.45E-11 5.23E-13 2.16E-16 1.97E-13 2.51E-12 1.09E-11 1.42E-11

5.07E+02 1.96E-19 3.40E-12 1.08E-13 5.17E-17 4.51E-14 6.83E-13 1.79E-12 3.29E-12

5.36E+02 1.80E-19 7.32E-13 2.67E-14 1.63E-17 1.25E-14 1.93E-13 4.77E-13 7.06E-13

5.68E+02 1.77E-19 1.48E-13 5.11E-15 1.04E-17 2.09E-15 2.98E-14 1.01E-13 1.39E-13

01E+02 1.76E-19 2.66E-14 8.85E-16 8.04E-18 3.67E-16 5.35E-15 1.80E-14 2.49E-14

6.36E+02 1.76E-19 4.31E-15 1.56E-16 7.09E-18 6.37E-17 9.08E-16 2.85E-15 4.01E-15

6.73E+02 1.76E-19 6.39E-16 2.89E-17 6.68E-18 2.48E-17 1.33E-16 3.94E-16 6.01E-16

7.12E+02 1.76E-19 1.13E-16 1.05E-17 6.43E-18 1.83E-17 3.21E-17 7.06E-17 8.80E-17

7.53E+02 1.76E-19 6.41E-17 7.99E-18 6.27E-18 1.49E-17 1.98E-17 2.49E-17 3.97E-17

7.97E+02 1.76E-19 7.13E-17 7.75E-18 6.08E-18 1.43E-17 1.85E-17 2.40E-17 3.55E-17

8.44E+02 1.76E-19 6.16E-17 7.44E-18 5.90E-18 1.37E-17 1.79E-17 2.32E-17 3.39E-17

93E+02 1.76E-19 6.04E-17 7.34E-18 5.70E-18 1.36E-17 1.71E-17 2.32E-17 3.38E-17

9.45E+02 1.76E-19 5.91E-17 7.24E-18 5.54E-18 1.33E-17 1.72E-17 2.15E-17 3.30E-17

1.00E+03 1.76E-19 5.77E-17 7.08E-18 5.47E-18 1.33E-17 1.62E-17 2.17E-17 3.12E-17

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-152.RAD

Summary of dose at graphical times, reptition 2

Time Years	Dose statistics at graphical times, mrem/yr							
	Minimum	Maximum	Mean	Median	90%	95%	97.5%	99%
0.00E+00	7.90E-07	4.73E-03	1.14E-04	4.52E-05	2.16E-04	4.39E-04	7.73E-04	1.45E-03
1.00E+00	7.57E-07	9.15E-03	8.82E-05	4.18E-05	1.41E-04	2.47E-04	3.73E-04	5.58E-04
1.06E+00	7.55E-07	9.35E-03	8.82E-05	4.13E-05	1.39E-04	2.48E-04	3.68E-04	5.44E-04
1.12E+00	7.53E-07	9.57E-03	8.82E-05	4.09E-05	1.36E-04	2.46E-04	3.62E-04	5.57E-04
1.19E+00	5.94E-07	9.79E-03	8.82E-05	4.06E-05	1.35E-04	2.44E-04	3.56E-04	5.73E-04
1.25E+00	4.33E-07	1.00E-02	8.82E-05	4.08E-05	1.33E-04	2.42E-04	3.55E-04	5.90E-04
1.33E+00	3.12E-07	1.02E-02	8.82E-05	4.03E-05	1.29E-04	2.40E-04	3.51E-04	6.07E-04
1.40E+00	2.23E-07	1.04E-02	8.82E-05	4.02E-05	1.22E-04	2.39E-04	3.38E-04	6.25E-04
1.49E+00	1.58E-07	1.06E-02	8.82E-05	4.00E-05	1.19E-04	2.36E-04	3.28E-04	6.44E-04
1.57E+00	1.12E-07	1.08E-02	8.80E-05	3.97E-05	1.18E-04	2.34E-04	3.21E-04	6.64E-04
1.66E+00	8.07E-08	1.08E-02	8.77E-05	3.92E-05	1.20E-04	2.31E-04	3.15E-04	6.85E-04
1.76E+00	5.94E-08	1.08E-02	8.74E-05	3.92E-05	1.16E-04	2.28E-04	3.09E-04	7.06E-04
1.86E+00	4.54E-08	1.08E-02	8.69E-05	3.88E-05	1.16E-04	2.29E-04	3.05E-04	7.28E-04
1.97E+00	3.64E-08	1.07E-02	8.63E-05	3.87E-05	1.20E-04	2.26E-04	2.94E-04	7.51E-04
2.09E+00	3.07E-08	1.05E-02	8.56E-05	3.84E-05	1.17E-04	2.35E-04	2.85E-04	7.75E-04
2.21E+00	2.73E-08	1.02E-02	8.48E-05	3.80E-05	1.17E-04	2.33E-04	3.18E-04	8.00E-04
2.24E+00	2.52E-08	9.84E-03	8.39E-05	3.78E-05	1.15E-04	2.31E-04	3.32E-04	8.26E-04
2.27E+00	2.40E-08	9.43E-03	8.31E-05	3.75E-05	1.13E-04	2.18E-04	3.31E-04	8.53E-04
2.26E+00	2.33E-08	9.03E-03	8.26E-05	3.72E-05	1.11E-04	2.13E-04	3.30E-04	8.82E-04
2.27E+00	2.28E-08	8.62E-03	8.24E-05	3.68E-05	1.09E-04	2.22E-04	3.29E-04	1.02E-03
2.29E+00	2.25E-08	8.20E-03	8.28E-05	3.66E-05	1.07E-04	2.20E-04	3.29E-04	1.35E-03
3.00E+00	2.23E-08	8.03E-03	8.32E-05	3.62E-05	1.07E-04	2.17E-04	3.46E-04	1.42E-03
3.10E+00	2.22E-08	7.79E-03	8.41E-05	3.59E-05	1.04E-04	2.14E-04	3.51E-04	1.41E-03
3.28E+00	2.20E-08	7.37E-03	8.67E-05	3.55E-05	1.02E-04	2.10E-04	3.52E-04	1.39E-03
3.48E+00	2.17E-08	6.95E-03	9.17E-05	3.49E-05	1.01E-04	2.08E-04	3.59E-04	1.36E-03
3.68E+00	2.15E-08	6.87E-03	1.00E-04	3.43E-05	9.91E-05	2.06E-04	3.64E-04	1.34E-03
3.89E+00	2.13E-08	1.08E-02	1.15E-04	3.37E-05	9.74E-05	2.02E-04	3.68E-04	1.47E-03
4.12E+00	2.11E-08	1.75E-02	1.41E-04	3.29E-05	9.57E-05	2.02E-04	3.74E-04	1.46E-03
4.36E+00	2.08E-08	2.91E-02	1.87E-04	3.24E-05	9.35E-05	2.07E-04	3.86E-04	1.45E-03
4.61E+00	2.06E-08	4.99E-02	2.70E-04	3.20E-05	9.29E-05	2.12E-04	4.26E-04	1.80E-03
4.88E+00	2.04E-08	8.82E-02	4.23E-04	3.14E-05	9.15E-05	2.17E-04	4.37E-04	2.63E-03
5.17E+00	2.01E-08	1.61E-01	7.13E-04	3.08E-05	9.55E-05	2.21E-04	4.46E-04	3.96E-03
5.47E+00	1.99E-08	3.03E-01	1.29E-03	3.03E-05	9.72E-05	2.21E-04	5.21E-04	3.76E-03
5.78E+00	1.94E-08	4.98E-01	2.10E-03	2.97E-05	9.46E-05	2.26E-04	6.13E-04	3.41E-03
6.12E+00	1.90E-08	6.43E-01	2.76E-03	2.93E-05	9.19E-05	2.13E-04	6.01E-04	3.09E-03
6.48E+00	1.86E-08	6.84E-01	3.08E-03	2.86E-05	9.01E-05	2.08E-04	5.84E-04	3.54E-03
6.86E+00	1.82E-08	6.59E-01	3.23E-03	2.81E-05	8.57E-05	2.16E-04	6.25E-04	5.49E-03
7.26E+00	1.78E-08	6.34E-01	3.61E-03	2.72E-05	8.36E-05	2.14E-04	6.83E-04	8.79E-03
7.68E+00	1.75E-08	6.08E-01	3.99E-03	2.65E-05	8.36E-05	2.10E-04	6.50E-04	1.45E-02
8.13E+00	1.71E-08	6.08E-01	4.29E-03	2.57E-05	8.05E-05	2.11E-04	6.18E-04	2.46E-02
8.60E+00	1.67E-08	5.78E-01	4.57E-03	2.50E-05	7.55E-05	2.11E-04	6.37E-04	4.32E-02
9.10E+00	1.63E-08	5.99E-01	4.66E-03	2.43E-05	7.33E-05	2.10E-04	6.23E-04	7.84E-02
9.63E+00	1.59E-08	5.73E-01	4.62E-03	2.36E-05	7.13E-05	2.06E-04	5.95E-04	1.47E-01
1.00E+01	1.56E-08	5.54E-01	4.70E-03	2.31E-05	7.04E-05	2.01E-04	6.55E-04	2.34E-01
1.02E+01	1.54E-08	5.45E-01	4.78E-03	2.29E-05	6.93E-05	1.99E-04	6.58E-04	2.95E-01
1.08E+01	1.50E-08	5.18E-01	5.01E-03	2.22E-05	6.90E-05	2.12E-04	6.20E-04	4.28E-01
1.14E+01	1.46E-08	4.89E-01	5.16E-03	2.13E-05	7.07E-05	2.26E-04	5.71E-04	4.03E-01
1.21E+01	1.41E-08	4.86E-01	5.13E-03	2.05E-05	7.08E-05	2.21E-04	4.99E-04	3.77E-01
1.28E+01	1.23E-08	4.34E-01	4.83E-03	1.97E-05	6.86E-05	2.16E-04	4.45E-04	3.44E-01
1.35E+01	8.99E-09	4.03E-01	4.62E-03	1.87E-05	6.59E-05	2.14E-04	4.60E-04	3.10E-01
1.43E+01	6.74E-09	3.94E-01	4.60E-03	1.78E-05	6.22E-05	2.06E-04	4.37E-04	2.86E-01
1.51E+01	5.17E-09	4.40E-01	4.31E-03	1.71E-05	6.03E-05	1.98E-04	4.36E-04	2.49E-01
1.60E+01	4.05E-09	4.19E-01	3.97E-03	1.62E-05	5.88E-05	1.91E-04	3.69E-04	2.05E-01
1.70E+01	3.23E-09	3.97E-01	3.76E-03	1.54E-05	5.63E-05	1.83E-04	3.37E-04	1.77E-01
1.80E+01	2.62E-09	3.75E-01	3.28E-03	1.46E-05	5.53E-05	1.78E-04	3.73E-04	1.41E-01
1.90E+01	2.16E-09	3.54E-01	2.98E-03	1.37E-05	5.32E-05	1.62E-04	3.34E-04	1.83E-01

2.01E+01 1.81E-09 3.32E-01 2.51E-03 1.29E-05 4.84E-05 1.53E-04 3.82E-04 1.26E-01

2.13E+01 1.55E-09 3.11E-01 2.00E-03 1.20E-05 4.56E-05 1.37E-04 4.76E-04 6.90E-02

2.25E+01 1.34E-09 2.89E-01 1.56E-03 1.12E-05 4.28E-05 1.15E-04 2.36E-04 2.35E-02

2.38E+01 1.05E-09 2.69E-01 1.40E-03 1.03E-05 3.84E-05 9.20E-05 2.01E-04 4.22E-02

2.52E+01 9.76E-10 2.48E-01 1.32E-03 9.52E-06 3.63E-05 8.39E-05 1.84E-04 7.86E-02

2.67E+01 8.98E-10 2.28E-01 1.21E-03 8.81E-06 3.16E-05 7.56E-05 1.67E-04 5.11E-02

2.82E+01 8.24E-10 2.09E-01 1.07E-03 8.11E-06 2.99E-05 6.94E-05 1.75E-04 5.75E-02

2.99E+01 7.58E-10 1.90E-01 1.02E-03 7.34E-06 2.85E-05 6.54E-05 1.60E-04 4.35E-02

3.00E+01 7.53E-10 1.89E-01 1.02E-03 7.29E-06 2.87E-05 6.49E-05 1.59E-04 4.24E-02

3.16E+01 4.63E-10 1.74E-01 1.02E-03 6.63E-06 2.56E-05 5.65E-05 1.29E-04 3.09E-02

3.35E+01 9.96E-11 1.55E-01 8.95E-04 5.95E-06 2.16E-05 5.17E-05 1.32E-04 2.90E-02

3.54E+01 1.96E-11 1.39E-01 8.09E-04 5.32E-06 1.88E-05 4.52E-05 9.74E-05 2.38E-02

3.75E+01 3.51E-12 1.23E-01 6.87E-04 4.75E-06 1.67E-05 4.18E-05 8.61E-05 1.20E-02

3.97E+01 5.68E-13 1.09E-01 4.43E-04 4.22E-06 1.46E-05 3.55E-05 7.56E-05 2.05E-03

4.20E+01 8.26E-14 9.51E-02 3.58E-04 3.70E-06 1.24E-05 2.85E-05 4.76E-05 4.93E-04

4.44E+01 1.08E-14 8.26E-02 3.02E-04 3.27E-06 1.06E-05 2.44E-05 4.20E-05 7.06E-04

4.70E+01 1.25E-15 7.11E-02 2.95E-04 2.82E-06 9.13E-06 2.10E-05 4.02E-05 2.35E-04

4.97E+01 1.31E-16 6.07E-02 2.20E-04 2.47E-06 7.74E-06 1.72E-05 3.25E-05 3.25E-04

5.26E+01 1.55E-17 5.14E-02 1.41E-04 2.15E-06 6.80E-06 1.44E-05 2.81E-05 2.36E-04

5.57E+01 5.09E-18 4.30E-02 1.52E-04 1.84E-06 5.54E-06 1.13E-05 2.42E-05 3.26E-04

5.90E+01 4.26E-18 3.56E-02 1.39E-04 1.54E-06 4.71E-06 9.57E-06 2.12E-05 4.60E-04

6.24E+01 4.18E-18 2.92E-02 1.15E-04 1.30E-06 4.02E-06 7.67E-06 1.70E-05 7.13E-04

60E+01 4.16E-18 2.36E-02 1.02E-04 1.08E-06 3.30E-06 5.83E-06 1.37E-05 5.89E-04

99E+01 4.15E-18 2.45E-02 9.64E-05 8.93E-07 2.67E-06 4.51E-06 9.40E-06 2.19E-04

7.39E+01 4.06E-18 1.83E-02 8.00E-05 7.23E-07 2.26E-06 3.68E-06 7.21E-06 2.42E-04

7.82E+01 4.03E-18 1.32E-02 7.12E-05 5.79E-07 1.87E-06 3.00E-06 6.05E-06 1.50E-04

8.28E+01 4.01E-18 1.08E-02 5.97E-05 4.66E-07 1.57E-06 2.46E-06 4.25E-06 9.03E-05

8.76E+01 3.98E-18 6.82E-03 4.13E-05 3.65E-07 1.33E-06 2.27E-06 3.29E-06 1.04E-04

9.27E+01 3.95E-18 4.78E-03 2.74E-05 2.79E-07 1.10E-06 1.81E-06 2.45E-06 1.37E-04

9.81E+01 1.17E-18 3.42E-03 1.79E-05 2.12E-07 8.81E-07 1.48E-06 2.17E-06 1.84E-04

1.00E+02 1.17E-18 3.04E-03 1.55E-05 1.94E-07 7.81E-07 1.35E-06 2.17E-06 2.04E-04

1.04E+02 1.17E-18 3.64E-03 1.37E-05 1.59E-07 7.04E-07 1.26E-06 1.96E-06 1.09E-05

1.10E+02 1.17E-18 1.63E-03 4.35E-06 1.15E-07 5.80E-07 9.90E-07 1.58E-06 5.35E-06

1.16E+02 1.17E-18 1.08E-03 2.93E-06 8.29E-08 4.50E-07 8.29E-07 1.49E-06 2.77E-06

1.23E+02 1.17E-18 6.95E-04 1.86E-06 5.96E-08 3.68E-07 7.47E-07 1.43E-06 2.94E-06

1.30E+02 1.17E-18 4.30E-04 1.15E-06 4.09E-08 2.91E-07 7.01E-07 1.45E-06 3.14E-06

1.38E+02 1.17E-18 2.55E-04 7.05E-07 2.74E-08 2.08E-07 6.64E-07 1.48E-06 3.39E-06

1.46E+02 1.17E-18 1.43E-04 4.69E-07 1.83E-08 1.61E-07 5.96E-07 1.45E-06 3.34E-06

1.54E+02 1.17E-18 7.35E-05 3.52E-07 1.18E-08 1.34E-07 5.83E-07 1.49E-06 3.58E-06

1.63E+02 1.17E-18 3.28E-05 2.34E-07 7.40E-09 1.13E-07 5.70E-07 1.54E-06 3.87E-06

1.73E+02 1.17E-18 1.51E-05 1.73E-07 4.64E-09 9.68E-08 5.58E-07 1.60E-06 4.21E-06

1.83E+02 1.17E-18 1.79E-05 1.48E-07 2.77E-09 8.33E-08 5.46E-07 1.57E-06 4.56E-06

1.94E+02 1.17E-18 2.15E-05 1.48E-07 1.60E-09 7.03E-08 4.85E-07 1.54E-06 3.33E-06

2.05E+02 1.17E-18 1.84E-05 1.42E-07 9.02E-10 6.00E-08 4.66E-07 1.51E-06 2.86E-06

2.17E+02 1.17E-18 9.59E-06 1.28E-07 4.89E-10 5.10E-08 4.49E-07 1.38E-06 3.08E-06

2.29E+02 1.17E-18 4.81E-06 9.81E-08 2.52E-10 4.31E-08 4.26E-07 1.42E-06 3.29E-06

2.43E+02 1.17E-18 3.22E-06 6.37E-08 1.26E-10 2.29E-08 2.24E-07 9.83E-07 2.29E-06

2.57E+02 1.17E-18 1.54E-06 3.54E-08 5.83E-11 1.18E-08 1.34E-07 5.25E-07 1.07E-06

2.72E+02 9.44E-19 7.04E-07 1.64E-08 2.55E-11 7.40E-09 6.08E-08 2.55E-07 5.76E-07

2.88E+02 9.44E-19 3.08E-07 6.23E-09 1.07E-11 2.87E-09 1.95E-08 9.18E-08 2.25E-07

3.00E+02 9.44E-19 1.62E-07 3.74E-09 5.41E-12 1.43E-09 1.22E-08 7.56E-08 1.16E-07

3.05E+02 9.44E-19 1.28E-07 3.12E-09 4.15E-12 1.25E-09 1.10E-08 6.75E-08 1.06E-07

3.22E+02 9.44E-19 5.07E-08 1.28E-09 1.49E-12 5.93E-10 4.00E-09 2.21E-08 3.71E-08

3.41E+02 9.44E-19 1.95E-08 4.91E-10 5.31E-13 2.36E-10 1.41E-09 9.07E-09 1.60E-08

3.61E+02 9.44E-19 6.93E-09 1.78E-10 1.75E-13 9.82E-11 7.08E-10 2.85E-09 5.45E-09

3.82E+02 9.44E-19 2.32E-09 6.40E-11 5.57E-14 3.64E-11 3.50E-10 9.73E-10 2.06E-09

4.04E+02 9.44E-19 7.29E-10 2.31E-11 1.48E-14 1.62E-11 1.50E-10 3.89E-10 6.43E-10

4.28E+02 8.96E-19 2.14E-10 6.80E-12 3.62E-15 2.78E-12 4.88E-11 1.18E-10 1.87E-10

4.53E+02 3.19E-19 5.85E-11 1.65E-12 7.51E-16 5.80E-13 9.88E-12 3.08E-11 5.09E-11

4.79E+02 1.57E-19 1.48E-11 4.00E-13 1.55E-16 1.67E-13 2.11E-12 6.69E-12 1.28E-11

5.07E+02 1.15E-19 3.47E-12 9.43E-14 3.72E-17 4.16E-14 4.06E-13 1.55E-12 2.98E-12

5.36E+02 8.59E-20 7.47E-13 2.13E-14 1.40E-17 1.14E-14 8.29E-14 3.82E-13 6.88E-13

5.68E+02 7.92E-20 1.47E-13 4.07E-15 1.03E-17 1.78E-15 1.88E-14 6.92E-14 1.34E-13

01E+02 7.79E-20 2.67E-14 7.42E-16 8.18E-18 3.16E-16 2.88E-15 1.14E-14 2.43E-14

6.36E+02 7.76E-20 4.42E-15 1.27E-16 7.37E-18 8.22E-17 6.11E-16 1.79E-15 3.94E-15

6.73E+02 7.76E-20 7.44E-16 2.84E-17 6.87E-18 2.65E-17 1.64E-16 3.29E-16 5.74E-16

7.12E+02 7.76E-20 1.97E-16 1.05E-17 6.29E-18 1.75E-17 3.18E-17 5.31E-17 8.29E-17

7.53E+02 7.76E-20 1.21E-16 8.04E-18 5.86E-18 1.43E-17 1.92E-17 2.40E-17 4.50E-17

7.97E+02 7.76E-20 1.08E-16 7.55E-18 5.61E-18 1.37E-17 1.77E-17 2.18E-17 3.70E-17

8.44E+02 7.76E-20 1.02E-16 7.30E-18 5.46E-18 1.34E-17 1.57E-17 2.09E-17 3.63E-17

8.93E+02 7.76E-20 9.75E-17 7.18E-18 5.40E-18 1.33E-17 1.54E-17 2.03E-17 3.56E-17

9.45E+02 7.76E-20 9.27E-17 7.08E-18 5.36E-18 1.32E-17 1.53E-17 1.97E-17 3.64E-17

1.00E+03 7.76E-20 8.80E-17 7.11E-18 5.32E-18 1.32E-17 1.53E-17 2.21E-17 3.57E-17

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-152.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	7.84E-07	1.06E-02	1.30E-04	4.50E-05	2.32E-04	4.74E-04	8.04E-04	1.51E-03
1.00E+00	7.45E-07	2.67E-03	8.29E-05	4.22E-05	1.51E-04	2.92E-04	4.35E-04	9.54E-04
1.06E+00	7.43E-07	2.72E-03	8.21E-05	4.20E-05	1.50E-04	2.84E-04	4.31E-04	8.99E-04
1.12E+00	7.40E-07	2.78E-03	8.14E-05	4.19E-05	1.51E-04	2.78E-04	4.27E-04	8.45E-04
1.19E+00	7.38E-07	2.84E-03	8.06E-05	4.18E-05	1.47E-04	2.73E-04	4.23E-04	7.97E-04
1.25E+00	7.35E-07	2.90E-03	7.99E-05	4.17E-05	1.43E-04	2.78E-04	4.17E-04	8.01E-04
1.33E+00	7.32E-07	2.96E-03	7.93E-05	4.15E-05	1.46E-04	2.84E-04	4.14E-04	8.05E-04
1.40E+00	7.05E-07	3.03E-03	7.87E-05	4.11E-05	1.48E-04	2.81E-04	4.10E-04	7.67E-04
1.49E+00	6.28E-07	3.09E-03	7.81E-05	4.09E-05	1.49E-04	2.82E-04	4.08E-04	7.89E-04
1.57E+00	5.73E-07	3.16E-03	7.75E-05	4.07E-05	1.40E-04	2.73E-04	4.08E-04	8.13E-04
1.66E+00	5.35E-07	3.22E-03	7.70E-05	4.04E-05	1.45E-04	2.65E-04	4.08E-04	8.22E-04
1.76E+00	5.09E-07	3.29E-03	7.65E-05	4.02E-05	1.42E-04	2.56E-04	3.80E-04	8.25E-04
1.86E+00	4.91E-07	3.35E-03	7.61E-05	3.99E-05	1.39E-04	2.48E-04	3.75E-04	8.29E-04
1.97E+00	4.78E-07	3.42E-03	7.57E-05	3.97E-05	1.38E-04	2.54E-04	3.56E-04	8.32E-04
2.09E+00	4.56E-07	3.48E-03	7.54E-05	3.94E-05	1.37E-04	2.38E-04	3.66E-04	8.35E-04
2.21E+00	3.92E-07	3.54E-03	7.52E-05	3.90E-05	1.31E-04	2.44E-04	3.73E-04	8.38E-04
2.24E+00	3.52E-07	3.61E-03	7.51E-05	3.81E-05	1.28E-04	2.37E-04	3.77E-04	8.41E-04
2.27E+00	2.42E-07	3.67E-03	7.50E-05	3.78E-05	1.24E-04	2.31E-04	3.81E-04	8.44E-04
2.62E+00	1.48E-07	3.72E-03	7.52E-05	3.73E-05	1.22E-04	2.30E-04	3.84E-04	1.01E-03
2.77E+00	8.93E-08	3.78E-03	7.57E-05	3.68E-05	1.18E-04	2.36E-04	3.89E-04	1.12E-03
2.93E+00	5.33E-08	3.83E-03	7.66E-05	3.65E-05	1.12E-04	2.30E-04	4.00E-04	1.15E-03
3.00E+00	4.34E-08	3.85E-03	7.72E-05	3.62E-05	1.10E-04	2.29E-04	4.01E-04	1.17E-03
3.10E+00	3.22E-08	3.88E-03	7.83E-05	3.60E-05	1.08E-04	2.32E-04	4.02E-04	1.19E-03
3.28E+00	2.01E-08	3.98E-03	8.12E-05	3.53E-05	1.04E-04	2.34E-04	4.00E-04	1.22E-03
3.48E+00	1.34E-08	6.00E-03	8.62E-05	3.50E-05	1.04E-04	2.24E-04	3.96E-04	1.27E-03
3.68E+00	9.83E-09	9.29E-03	9.44E-05	3.46E-05	1.03E-04	2.21E-04	3.92E-04	1.35E-03
3.89E+00	7.99E-09	1.48E-02	1.08E-04	3.42E-05	1.01E-04	2.52E-04	3.89E-04	1.41E-03
4.12E+00	7.05E-09	2.42E-02	1.32E-04	3.38E-05	1.00E-04	2.54E-04	4.03E-04	1.34E-03
4.36E+00	6.57E-09	4.09E-02	1.74E-04	3.34E-05	1.00E-04	2.52E-04	4.32E-04	1.29E-03
4.61E+00	6.31E-09	7.13E-02	2.50E-04	3.27E-05	9.36E-05	2.70E-04	4.71E-04	1.27E-03
4.88E+00	6.15E-09	1.28E-01	3.90E-04	3.21E-05	9.09E-05	2.75E-04	4.71E-04	1.24E-03
5.17E+00	6.04E-09	2.48E-01	6.74E-04	3.13E-05	9.03E-05	2.69E-04	4.79E-04	1.33E-03
5.47E+00	5.94E-09	3.96E-01	1.05E-03	3.06E-05	9.24E-05	2.63E-04	5.59E-04	1.91E-03
5.78E+00	5.84E-09	5.21E-01	1.46E-03	3.00E-05	9.04E-05	2.58E-04	6.33E-04	2.84E-03
6.12E+00	5.75E-09	5.72E-01	1.87E-03	2.95E-05	8.78E-05	2.52E-04	6.30E-04	4.06E-03
6.48E+00	5.65E-09	5.51E-01	2.34E-03	2.88E-05	8.53E-05	2.45E-04	6.39E-04	4.77E-03
6.86E+00	5.56E-09	5.41E-01	2.90E-03	2.81E-05	8.51E-05	2.38E-04	7.15E-04	7.55E-03
7.26E+00	5.46E-09	5.74E-01	3.27E-03	2.74E-05	8.47E-05	2.71E-04	6.76E-04	1.23E-02
7.68E+00	5.36E-09	5.60E-01	3.38E-03	2.67E-05	7.97E-05	2.65E-04	6.37E-04	2.07E-02
8.13E+00	5.20E-09	5.38E-01	3.29E-03	2.61E-05	7.80E-05	2.64E-04	6.20E-04	3.67E-02
8.60E+00	5.03E-09	5.20E-01	3.25E-03	2.53E-05	7.72E-05	2.55E-04	6.94E-04	5.53E-02
9.10E+00	4.90E-09	5.01E-01	3.28E-03	2.42E-05	7.36E-05	2.48E-04	6.74E-04	5.93E-02
9.63E+00	4.77E-09	4.82E-01	3.50E-03	2.36E-05	7.04E-05	2.62E-04	6.52E-04	5.47E-02
1.00E+01	4.68E-09	5.15E-01	3.65E-03	2.31E-05	6.77E-05	2.59E-04	7.18E-04	8.17E-02
1.02E+01	4.63E-09	5.55E-01	3.69E-03	2.27E-05	6.70E-05	2.58E-04	7.20E-04	1.00E-01
1.08E+01	4.50E-09	5.58E-01	3.68E-03	2.18E-05	6.50E-05	2.53E-04	6.92E-04	1.96E-01
1.14E+01	4.35E-09	5.40E-01	3.70E-03	2.07E-05	6.30E-05	2.24E-04	7.49E-04	1.26E-01
1.21E+01	4.21E-09	5.22E-01	3.51E-03	1.99E-05	6.15E-05	2.12E-04	7.17E-04	8.78E-02
1.28E+01	4.07E-09	5.03E-01	3.41E-03	1.91E-05	5.96E-05	2.04E-04	6.84E-04	1.67E-01
1.35E+01	2.61E-09	4.83E-01	3.60E-03	1.83E-05	5.78E-05	1.96E-04	5.77E-04	2.58E-01
1.43E+01	1.38E-09	4.64E-01	3.64E-03	1.74E-05	5.63E-05	1.88E-04	4.92E-04	2.37E-01
1.51E+01	7.15E-10	4.44E-01	3.53E-03	1.66E-05	5.53E-05	1.80E-04	4.66E-04	2.17E-01
1.60E+01	3.76E-10	4.24E-01	3.53E-03	1.57E-05	5.32E-05	1.73E-04	4.89E-04	1.96E-01
1.70E+01	2.07E-10	4.03E-01	3.75E-03	1.49E-05	5.10E-05	1.65E-04	4.60E-04	1.78E-01
1.80E+01	1.26E-10	3.83E-01	3.67E-03	1.40E-05	4.76E-05	1.56E-04	4.31E-04	1.59E-01
1.90E+01	8.83E-11	3.62E-01	3.46E-03	1.32E-05	4.46E-05	1.58E-04	4.11E-04	1.41E-01

2.01E+01 7.01E-11 3.42E-01 3.32E-03 1.24E-05 4.23E-05 1.54E-04 4.31E-04 1.33E-01

2.13E+01 6.06E-11 3.21E-01 3.34E-03 1.16E-05 3.94E-05 1.55E-04 3.55E-04 2.04E-01

2.25E+01 5.48E-11 3.01E-01 3.15E-03 1.07E-05 3.67E-05 1.33E-04 3.50E-04 1.86E-01

2.38E+01 5.04E-11 2.81E-01 2.88E-03 9.87E-06 3.41E-05 1.21E-04 3.88E-04 1.69E-01

2.52E+01 4.67E-11 2.61E-01 2.63E-03 8.99E-06 3.17E-05 1.16E-04 4.48E-04 1.53E-01

2.67E+01 4.33E-11 2.42E-01 2.41E-03 8.35E-06 2.94E-05 1.11E-04 3.54E-04 1.37E-01

2.82E+01 3.99E-11 2.23E-01 2.26E-03 7.70E-06 2.53E-05 1.06E-04 3.31E-04 1.23E-01

2.99E+01 3.67E-11 2.04E-01 2.18E-03 7.07E-06 2.35E-05 9.77E-05 3.78E-04 1.19E-01

3.00E+01 3.65E-11 2.03E-01 2.18E-03 7.03E-06 2.34E-05 9.65E-05 3.82E-04 1.26E-01

3.16E+01 3.36E-11 1.86E-01 2.13E-03 6.46E-06 2.19E-05 7.68E-05 4.56E-04 1.56E-01

3.35E+01 3.06E-11 1.69E-01 1.96E-03 5.86E-06 2.04E-05 6.89E-05 6.13E-04 1.40E-01

3.54E+01 9.32E-12 1.53E-01 1.80E-03 5.28E-06 1.89E-05 6.30E-05 8.95E-04 1.25E-01

3.75E+01 8.51E-16 1.37E-01 1.62E-03 4.72E-06 1.73E-05 5.67E-05 1.34E-03 1.11E-01

3.97E+01 2.21E-18 1.22E-01 1.48E-03 4.21E-06 1.54E-05 5.07E-05 1.51E-03 9.78E-02

4.20E+01 2.24E-18 1.08E-01 1.40E-03 3.71E-06 1.30E-05 4.10E-05 6.81E-04 8.57E-02

4.44E+01 2.25E-18 9.50E-02 1.33E-03 3.26E-06 1.10E-05 3.51E-05 1.02E-03 7.45E-02

4.70E+01 2.25E-18 8.29E-02 1.13E-03 2.85E-06 9.53E-06 2.87E-05 1.57E-03 6.41E-02

4.97E+01 2.25E-18 7.18E-02 9.62E-04 2.48E-06 8.76E-06 2.37E-05 1.29E-03 5.46E-02

5.26E+01 2.25E-18 6.16E-02 8.46E-04 2.14E-06 7.23E-06 2.10E-05 1.05E-03 5.52E-02

5.57E+01 2.21E-18 5.24E-02 6.20E-04 1.82E-06 5.72E-06 1.58E-05 6.82E-05 3.86E-02

5.90E+01 2.20E-18 4.42E-02 5.35E-04 1.54E-06 4.67E-06 1.36E-05 6.99E-05 3.20E-02

6.24E+01 2.19E-18 3.69E-02 4.22E-04 1.29E-06 3.92E-06 1.23E-05 8.03E-05 2.62E-02

60E+01 2.19E-18 3.04E-02 3.23E-04 1.07E-06 3.26E-06 9.47E-06 1.05E-04 2.12E-02

99E+01 2.18E-18 2.49E-02 2.58E-04 8.80E-07 2.71E-06 6.75E-06 1.64E-05 1.69E-02

7.39E+01 2.10E-18 2.01E-02 2.10E-04 7.24E-07 2.28E-06 4.68E-06 1.23E-05 1.34E-02

7.82E+01 1.85E-18 1.60E-02 1.80E-04 5.77E-07 2.02E-06 3.56E-06 1.34E-05 1.27E-02

8.28E+01 1.85E-18 1.29E-02 1.46E-04 4.52E-07 1.72E-06 2.65E-06 1.50E-05 1.11E-02

8.76E+01 1.85E-18 9.88E-03 1.13E-04 3.51E-07 1.45E-06 2.19E-06 1.72E-05 8.59E-03

9.27E+01 1.85E-18 7.46E-03 8.75E-05 2.75E-07 1.22E-06 1.90E-06 1.44E-05 6.52E-03

9.81E+01 1.85E-18 5.61E-03 6.87E-05 2.08E-07 9.23E-07 1.78E-06 1.26E-05 4.87E-03

1.00E+02 1.85E-18 5.08E-03 6.09E-05 1.89E-07 8.49E-07 1.77E-06 1.33E-05 4.40E-03

1.04E+02 1.84E-18 4.15E-03 4.68E-05 1.56E-07 7.64E-07 1.69E-06 1.48E-05 3.57E-03

1.10E+02 1.84E-18 3.02E-03 3.30E-05 1.13E-07 5.67E-07 1.38E-06 5.41E-06 2.57E-03

1.16E+02 1.84E-18 2.15E-03 2.34E-05 8.26E-08 4.33E-07 1.20E-06 5.19E-06 1.82E-03

1.23E+02 1.84E-18 1.51E-03 1.65E-05 5.83E-08 3.69E-07 1.12E-06 2.66E-06 1.26E-03

1.30E+02 1.84E-18 1.03E-03 1.16E-05 4.09E-08 3.05E-07 1.11E-06 2.90E-06 8.57E-04

1.38E+02 1.84E-18 6.93E-04 8.29E-06 2.82E-08 2.37E-07 1.11E-06 3.11E-06 5.70E-04

1.46E+02 1.84E-18 4.54E-04 5.67E-06 1.88E-08 1.96E-07 1.11E-06 3.33E-06 3.70E-04

1.54E+02 1.84E-18 2.90E-04 3.51E-06 1.21E-08 1.76E-07 1.12E-06 3.59E-06 2.33E-04

1.63E+02 1.83E-18 1.81E-04 2.02E-06 7.62E-09 1.58E-07 1.07E-06 2.61E-06 1.43E-04

1.73E+02 1.83E-18 1.09E-04 1.24E-06 4.68E-09 1.41E-07 9.96E-07 2.79E-06 8.36E-05

1.83E+02 1.83E-18 6.43E-05 7.77E-07 2.85E-09 1.24E-07 8.77E-07 2.64E-06 4.69E-05

1.94E+02 1.83E-18 3.67E-05 4.46E-07 1.62E-09 1.11E-07 7.29E-07 2.83E-06 2.50E-05

2.05E+02 1.83E-18 2.02E-05 2.85E-07 9.27E-10 8.92E-08 7.19E-07 2.87E-06 1.28E-05

2.17E+02 1.82E-18 1.08E-05 2.05E-07 5.14E-10 7.81E-08 7.13E-07 3.10E-06 7.05E-06

2.29E+02 1.82E-18 5.68E-06 1.37E-07 2.77E-10 6.33E-08 6.05E-07 2.03E-06 4.16E-06

2.43E+02 1.82E-18 3.12E-06 7.58E-08 1.30E-10 4.13E-08 5.29E-07 1.17E-06 2.01E-06

2.57E+02 1.21E-18 1.47E-06 3.74E-08 5.89E-11 2.12E-08 1.36E-07 6.37E-07 1.10E-06

2.72E+02 1.21E-18 6.54E-07 1.75E-08 2.56E-11 1.23E-08 6.76E-08 3.12E-07 5.20E-07

2.88E+02 1.21E-18 2.74E-07 6.87E-09 1.06E-11 4.29E-09 4.28E-08 1.05E-07 2.05E-07

3.00E+02 1.21E-18 1.41E-07 3.99E-09 5.30E-12 1.43E-09 2.56E-08 5.87E-08 1.16E-07

3.05E+02 1.21E-18 1.30E-07 3.36E-09 4.08E-12 1.30E-09 1.81E-08 5.27E-08 1.03E-07

3.22E+02 1.21E-18 5.15E-08 1.55E-09 1.59E-12 7.23E-10 9.26E-09 2.39E-08 4.14E-08

3.41E+02 1.21E-18 1.94E-08 6.20E-10 5.49E-13 1.98E-10 4.41E-09 1.09E-08 1.66E-08

3.61E+02 1.21E-18 6.91E-09 2.44E-10 1.84E-13 1.07E-10 1.72E-09 5.03E-09 5.46E-09

3.82E+02 8.20E-19 2.31E-09 7.40E-11 5.57E-14 5.10E-11 2.84E-10 1.45E-09 1.90E-09

4.04E+02 5.77E-19 7.27E-10 1.92E-11 1.64E-14 1.38E-11 8.89E-11 3.41E-10 5.50E-10

4.28E+02 4.07E-19 2.14E-10 6.33E-12 4.39E-15 3.45E-12 5.12E-11 1.06E-10 1.59E-10

4.53E+02 4.07E-19 5.84E-11 1.94E-12 1.08E-15 1.55E-12 1.25E-11 3.18E-11 4.63E-11

4.79E+02 4.07E-19 1.48E-11 4.41E-13 2.24E-16 3.42E-13 2.77E-12 6.69E-12 1.11E-11

5.07E+02 4.07E-19 3.47E-12 1.08E-13 5.27E-17 5.85E-14 5.38E-13 1.98E-12 2.73E-12

5.36E+02 4.07E-19 7.47E-13 2.02E-14 1.62E-17 1.89E-14 1.23E-13 3.23E-13 5.09E-13

5.68E+02 4.07E-19 1.47E-13 3.89E-15 1.04E-17 2.97E-15 2.12E-14 6.01E-14 9.80E-14

01E+02 4.07E-19 2.64E-14 8.20E-16 7.67E-18 6.73E-16 3.36E-15 1.51E-14 2.01E-14

6.36E+02 4.07E-19 4.32E-15 1.35E-16 6.86E-18 1.03E-16 8.12E-16 2.07E-15 3.70E-15

6.73E+02 4.07E-19 6.59E-16 2.81E-17 6.56E-18 2.60E-17 1.68E-16 3.24E-16 5.37E-16

7.12E+02 4.07E-19 1.18E-16 1.06E-17 6.22E-18 1.75E-17 4.22E-17 6.67E-17 7.76E-17

7.53E+02 4.07E-19 6.32E-17 7.85E-18 6.02E-18 1.44E-17 1.80E-17 2.42E-17 3.91E-17

7.97E+02 4.07E-19 6.23E-17 7.31E-18 5.87E-18 1.35E-17 1.57E-17 2.17E-17 2.67E-17

8.44E+02 4.07E-19 6.13E-17 7.19E-18 5.84E-18 1.33E-17 1.55E-17 2.17E-17 2.55E-17

93E+02 4.07E-19 6.03E-17 7.04E-18 5.81E-18 1.32E-17 1.51E-17 2.02E-17 2.46E-17

9.45E+02 4.07E-19 5.92E-17 6.98E-18 5.81E-18 1.31E-17 1.48E-17 2.07E-17 2.45E-17

1.00E+03 4.07E-19 5.81E-17 6.79E-18 5.58E-18 1.29E-17 1.43E-17 1.91E-17 2.39E-17

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-152.RAD

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

Repetition	Time of peak mean dose Years	Peak mean dose mrem/yr
1	1.000E+01	4.327E-03
2	1.141E+01	5.156E-03
3	1.696E+01	3.751E-03

Title : RESRAD Default Parameters
 Input File : FCS BURIED PIPE INSITU UA EU-152.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	12	0.01	12	0.00	9	-0.04	9	-0.03
Contaminated zone b parameter	16	0.01	16	0.00	16	-0.01	16	-0.01
Evapotranspiration coefficient	7	-0.04	7	-0.01	11	-0.03	11	-0.03
Wind Speed	18	0.00	18	0.00	15	-0.01	15	-0.01
Runoff coefficient	11	0.02	11	0.01	12	-0.03	12	-0.02
b Parameter of Unsaturated zone 1	2	-0.08	2	-0.02	5	-0.05	5	-0.04
Mass loading for inhalation	14	-0.01	14	0.00	10	0.04	10	0.03
Indoor dust filtration factor	6	0.04	6	0.01	18	0.00	18	0.00
Depth of soil mixing layer	9	-0.03	9	-0.01	7	-0.05	7	-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	5	-0.05	4	-0.01	17	-0.01	17	0.00
Weathering removal constant of all vegetation	15	0.01	15	0.00	14	-0.01	14	-0.01
Wet foliar interception fraction of leafy vegetables	10	-0.03	10	-0.01	4	-0.05	4	-0.04
Humidity in air	3	-0.06	3	-0.02	13	-0.01	13	-0.01
Cover erosion rate	1	0.96	1	0.96	2	0.16	2	0.13
Kd of Eu-152 in Contaminated Zone	17	0.00	17	0.00	1	-0.59	1	-0.58
Kd of Eu-152 in Saturated Zone	13	-0.01	13	0.00	6	-0.05	6	-0.04
Well pump intake depth	4	-0.05	5	-0.01	3	-0.10	3	-0.08
R-SQUARE		0.92		0.92		0.37		0.37

-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-152.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	12 -0.02	12 0.00	15 -0.03	15 -0.02
Contaminated zone b parameter	6 0.05	6 0.01	7 0.08	7 0.06
Evapotranspiration coefficient	13 -0.01	13 0.00	14 -0.03	14 -0.03
Wind Speed	2 0.12	2 0.02	6 0.08	6 0.06
Runoff coefficient	17 0.00	17 0.00	17 0.01	17 0.01
b Parameter of Unsaturated zone 1	5 -0.06	5 -0.01	11 0.04	11 0.03
Mass loading for inhalation	11 -0.02	11 0.00	16 -0.01	16 -0.01
Indoor dust filtration factor	3 -0.07	3 -0.02	9 -0.06	9 -0.05
Depth of soil mixing layer	15 0.00	15 0.00	4 0.12	4 0.10
Depth of roots	18 0.00	18 0.00	12 0.04	12 0.03
Wet weight crop yield of fruit, grain and non-leafy vegetables	9 0.03	9 0.01	13 -0.04	13 -0.03
Weathering removal constant of all vegetation	8 -0.04	8 -0.01	10 -0.04	10 -0.03
Wet foliar interception fraction of leafy vegetables	4 -0.06	4 -0.01	8 0.07	8 0.06
Humidity in air	7 0.04	7 0.01	18 0.00	18 0.00
Cover erosion rate	1 0.98	1 0.97	2 0.16	2 0.13
Kd of Eu-152 in Contaminated Zone	14 -0.01	14 0.00	1 -0.61	1 -0.59
Kd of Eu-152 in Saturated Zone	10 -0.03	10 -0.01	5 -0.10	5 -0.08
Well pump intake depth	16 0.00	16 0.00	3 -0.15	3 -0.12

R-SQUARE 0.95 0.95 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-152.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	15	0.00	15	0.00	13	-0.02	13	-0.02
Contaminated zone b parameter	2	-0.07	2	-0.03	6	-0.07	6	-0.05
Evapotranspiration coefficient	8	0.04	8	0.01	15	0.02	15	0.01
Wind Speed	3	-0.06	3	-0.02	9	0.04	9	0.03
Runoff coefficient	13	-0.02	13	-0.01	14	-0.02	14	-0.02
b Parameter of Unsaturated zone 1	16	0.00	16	0.00	10	0.04	10	0.03
Mass loading for inhalation	12	0.02	12	0.01	16	-0.01	16	-0.01
Indoor dust filtration factor	10	0.03	10	0.01	12	-0.04	12	-0.03
Depth of soil mixing layer	7	-0.04	7	-0.02	4	-0.10	4	-0.07
Depth of roots	14	-0.02	14	-0.01	8	0.04	8	0.03
Wet weight crop yield of fruit, grain and non-leafy vegetables	5	0.05	5	0.02	7	0.06	7	0.05
Weathering removal constant of all vegetation	4	0.05	4	0.02	11	0.04	11	0.03
Wet foliar interception fraction of leafy vegetables	11	-0.02	11	-0.01	18	0.01	18	0.00
Humidity in air	6	-0.04	6	-0.02	17	-0.01	17	0.00
Cover erosion rate	1	0.91	1	0.91	2	0.15	2	0.11
Kd of Eu-152 in Contaminated Zone	18	0.00	18	0.00	1	-0.65	1	-0.64
Kd of Eu-152 in Saturated Zone	17	0.00	17	0.00	5	-0.07	5	-0.05
Well pump intake depth	9	0.03	9	0.01	3	-0.12	3	-0.09
R-SQUARE		0.84		0.84		0.45		0.45

-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.