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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

Probabilistic Total Dose Summary

Nuclide (j)	Peak	Peak	DOSE(j,t), mrem/yr							
	Time	Dose	t= 0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
<hr/>										
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
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ALL is total dose summed for all nuclides.

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
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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 Dose vs Pathway(i): Ground External

Nuclide		DOSE(i,j,t), mrem/yr							
(j)	t=	0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
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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
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Gd-153									
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
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ΣALL is total pathway dose summed for all nuclides.

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

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

ALL is total pathway dose summed for all nuclides.

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

Nuclide		DOSE(i,j,t), mrem/yr							
(j)	t=	0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
<hr/>									
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
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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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ALL is total pathway dose summed for all nuclides.

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

Nuclide	DOSE(i,j,t), mrem/yr								
	(j)	t= 0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
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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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ALL is total pathway dose summed for all nuclides.

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

Nuclide		DOSE(i, j, t), mrem/yr							
(j)	t=	0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
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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
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ΣALL									
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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ΣALL is total pathway dose summed for all nuclides.

Probabilistic Dose vs Pathway(i): Soil Ingestion

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

Probabilistic Dose vs Pathway(i): Water Ingestion

Nuclide		DOSE(i,j,t), mrem/yr							
(j)	t=	0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
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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
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ΣALL									
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
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ΣALL is total pathway dose summed for all nuclides.

Probabilistic Dose vs Pathway(i): Fish Ingestion

Nuclide		DOSE(i,j,t), mrem/yr							
(j)	t=	0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
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 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							
(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	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	
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ALL is total pathway dose summed for all nuclides.

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

Nuclide		DOSE(i,j,t), mrem/yr							
(j)	t=	0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
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
Gd-153									
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							
(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
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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
Gd-153									
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
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ALL is total pathway dose summed for all nuclides.

Cumulative Probability Summary for: Total Dose Over Pathways								
Cumulative	Dose(t), mrem/yr							
Probability	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

Summary of dose at graphical times, reptition 1								
Time	Dose statistics at graphical times, mrem/yr							
Years	Minimum	Maximum	Mean	Median	90%	95%	97.5%	99%
0.00E+00	7.90E-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
2.23E+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
2.30E+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
2.31E+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
2.32E+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
2.34E+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
2.36E+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
2.39E+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
2.42E+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
2.43E+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
2.46E+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
2.48E+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
2.51E+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
2.53E+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
2.48E+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
2.43E+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
2.39E+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
2.34E+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
2.26E+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
2.19E+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
2.13E+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
2.06E+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
2.10E+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
2.09E+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
2.10E+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
2.10E+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
2.10E+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
2.14E+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
2.21E+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
2.28E+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
2.35E+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
2.43E+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
2.51E+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
2.60E+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
2.70E+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
2.80E+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
2.90E+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

6.99E+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

6.01E+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
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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
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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

8.93E+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
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Probabilistic results summary : RESRAD Default Parameters

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

Summary of dose at graphical times, reptition 2								
Time	Dose statistics at graphical times, mrem/yr							
Years	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
2.34E+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
2.47E+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
2.62E+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
2.77E+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
2.93E+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
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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

6.60E+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

6.99E+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
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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

6.01E+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
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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
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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

Summary of dose at graphical times, reptition 3								
Time	Dose statistics at graphical times, mrem/yr							
Years	Minimum	Maximum	Mean	Median	90%	95%	97.5%	99%
0.00E+00	7.84E-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
2.34E+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
2.47E+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
3.30E+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
3.38E+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
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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
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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

6.60E+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

6.99E+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
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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
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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
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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

6.01E+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

8.93E+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	Peak mean dose
	Years	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
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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
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-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
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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
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-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
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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
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-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.