

Probabilistic results summary : RESRAD Default Parameters

File : C:\USERS\DNF\DOCUMENTS\FT CALHOUN\RESRAD INPUT FILES\SOIL UNCERTAINTY ANALYSIS\FCS SOIL UNCERTAINTY ANALYSIS SR-90.RAD

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Number	Name	Distribution	Parameters																
1	VCZ	CONTINUOUS LOGARITHMIC-4	5.E-8	0	.0007	.22	.005	.95	.2	1									
2	BCZ	BOUNDED LOGNORMAL-N	1.28	.334	1.28	10.1													
3	EVAPTR	UNIFORM	.5	.99															
4	WIND	UNIFORM	2.8	4.7															
5	RUNOFF	UNIFORM	.1	.8															
6	DWIBWT	CONTINUOUS LINEAR	6	5	0	24	.29	43	.66	53	.68	76	.95	89	1				
7	BUZ (1)	BOUNDED LOGNORMAL-N	1.28	.334	1.28	10.1													
8	MLINH	CONTINUOUS LINEAR	8	0	0	.000008	.0151	.000016	.1365	.00003	.8119	.00004	.9495	.00006	.9937	.000076	.9983	.0001	1
9	SHF3	UNIFORM	.15	.95															
10	DM	TRIANGULAR	0	.15	.6														
11	DROOT	UNIFORM	.3	4															
12	YV (1)	TRUNCATED LOGNORMAL-N	.56	.48	.001	.999													
13	WLAM	TRIANGULAR	5.1	18	84														
14	RWET (2)	TRIANGULAR	.06	.67	.95														
15	HUMID	TRUNCATED LOGNORMAL-N	1.98	.334	.001	.999													
16	DCACTC (1)	LOGNORMAL-N	4.04	1.61															
17	DCACTU1 (1)	LOGNORMAL-N	4.04	1.61															
18	DCACTS (1)	LOGNORMAL-N	3.09	1.79															



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/>										
Sr-90										
Min	0.00E+00	4.42E+00	4.42E+00	3.94E+00	1.86E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	1.77E+01	1.77E+01	1.73E+01	1.65E+01	1.40E+01	8.80E+00	1.64E+00	1.40E-02	7.98E-10
Avg	0.00E+00	1.00E+01	1.00E+01	9.71E+00	9.11E+00	7.33E+00	4.12E+00	5.95E-01	2.57E-03	3.98E-11
Std	0.00E+00	4.77E+00	4.77E+00	4.64E+00	4.43E+00	3.79E+00	2.35E+00	4.23E-01	3.09E-03	1.07E-10
ALL										
Min	0.00E+00	4.42E+00	4.42E+00	3.94E+00	1.86E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	1.77E+01	1.77E+01	1.73E+01	1.65E+01	1.40E+01	8.80E+00	1.64E+00	1.40E-02	7.98E-10
Avg	0.00E+00	1.00E+01	1.00E+01	9.71E+00	9.11E+00	7.33E+00	4.12E+00	5.95E-01	2.57E-03	3.98E-11
Std	0.00E+00	4.77E+00	4.77E+00	4.64E+00	4.43E+00	3.79E+00	2.35E+00	4.23E-01	3.09E-03	1.07E-10
<hr/>										

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/>									
Sr-90									
Min		8.65E-05	7.81E-05	4.74E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		3.36E-04	3.28E-04	3.13E-04	2.65E-04	1.64E-04	3.11E-05	2.64E-07	1.51E-14
Avg		1.91E-04	1.85E-04	1.73E-04	1.39E-04	7.80E-05	1.12E-05	4.83E-08	7.47E-16
Std		9.04E-05	8.80E-05	8.38E-05	7.18E-05	4.46E-05	8.02E-06	5.86E-08	2.02E-15
<hr/>									
ALL									
Min		8.65E-05	7.81E-05	4.74E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		3.36E-04	3.28E-04	3.13E-04	2.65E-04	1.64E-04	3.11E-05	2.64E-07	1.51E-14
Avg		1.91E-04	1.85E-04	1.73E-04	1.39E-04	7.80E-05	1.12E-05	4.83E-08	7.47E-16
Std		9.04E-05	8.80E-05	8.38E-05	7.18E-05	4.46E-05	8.02E-06	5.86E-08	2.02E-15
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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
Sr-90									
Min		8.46E-03	4.33E-03	1.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		1.15E-02	1.12E-02	1.07E-02	9.06E-03	5.62E-03	1.06E-03	9.08E-06	5.25E-13
Avg		1.14E-02	1.11E-02	1.05E-02	8.48E-03	4.83E-03	7.56E-04	4.00E-06	6.08E-14
Std		1.13E-04	2.91E-04	5.28E-04	1.28E-03	1.28E-03	3.33E-04	3.43E-06	1.32E-13
ΣALL									
Min		8.46E-03	4.33E-03	1.13E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		1.15E-02	1.12E-02	1.07E-02	9.06E-03	5.62E-03	1.06E-03	9.08E-06	5.25E-13
Avg		1.14E-02	1.11E-02	1.05E-02	8.48E-03	4.83E-03	7.56E-04	4.00E-06	6.08E-14
Std		1.13E-04	2.91E-04	5.28E-04	1.28E-03	1.28E-03	3.33E-04	3.43E-06	1.32E-13

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
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Sr-90									
Min		4.93E-08	4.81E-08	4.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		1.09E-04	1.07E-04	1.01E-04	8.56E-05	5.27E-05	9.63E-06	7.49E-08	3.11E-15
Avg		1.76E-05	1.70E-05	1.61E-05	1.30E-05	7.40E-06	1.16E-06	5.91E-09	9.13E-17
Std		1.07E-05	1.04E-05	9.85E-06	8.30E-06	5.11E-06	9.42E-07	7.38E-09	2.58E-16
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ΣALL									
Min		4.93E-08	4.81E-08	4.58E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		1.09E-04	1.07E-04	1.01E-04	8.56E-05	5.27E-05	9.63E-06	7.49E-08	3.11E-15
Avg		1.76E-05	1.70E-05	1.61E-05	1.30E-05	7.40E-06	1.16E-06	5.91E-09	9.13E-17
Std		1.07E-05	1.04E-05	9.85E-06	8.30E-06	5.11E-06	9.42E-07	7.38E-09	2.58E-16
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ΣALL 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
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Sr-90									
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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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
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Sr-90									
Min		2.87E+00	2.56E+00	1.20E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		1.19E+01	1.16E+01	1.11E+01	9.37E+00	5.82E+00	1.10E+00	9.35E-03	5.35E-10
Avg		6.67E+00	6.46E+00	6.05E+00	4.87E+00	2.71E+00	3.85E-01	1.62E-03	2.46E-11
Std		3.22E+00	3.14E+00	3.00E+00	2.56E+00	1.60E+00	2.88E-01	2.08E-03	7.08E-11
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ΣALL									
Min		2.87E+00	2.56E+00	1.20E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		1.19E+01	1.16E+01	1.11E+01	9.37E+00	5.82E+00	1.10E+00	9.35E-03	5.35E-10
Avg		6.67E+00	6.46E+00	6.05E+00	4.87E+00	2.71E+00	3.85E-01	1.62E-03	2.46E-11
Std		3.22E+00	3.14E+00	3.00E+00	2.56E+00	1.60E+00	2.88E-01	2.08E-03	7.08E-11
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ΣALL 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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Sr-90									
Min		5.90E-01	5.27E-01	2.38E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		2.15E+00	2.10E+00	2.00E+00	1.69E+00	1.05E+00	1.99E-01	1.69E-03	9.67E-11
Avg		1.25E+00	1.21E+00	1.13E+00	9.10E-01	5.08E-01	7.26E-02	3.11E-04	4.69E-12
Std		5.59E-01	5.44E-01	5.19E-01	4.47E-01	2.81E-01	5.15E-02	3.80E-04	1.31E-11
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Cs-137									
Min		5.90E-01	5.27E-01	2.38E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		2.15E+00	2.10E+00	2.00E+00	1.69E+00	1.05E+00	1.99E-01	1.69E-03	9.67E-11
Avg		1.25E+00	1.21E+00	1.13E+00	9.10E-01	5.08E-01	7.26E-02	3.11E-04	4.69E-12
Std		5.59E-01	5.44E-01	5.19E-01	4.47E-01	2.81E-01	5.15E-02	3.80E-04	1.31E-11
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ALL is total pathway dose summed for all nuclides.



Probabilistic results summary : RESRAD Default Parameters

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

Nuclide		DOSE(i,j,t), mrem/yr							
(j)	t=	0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
<hr/>									
Sr-90									
Min		9.46E-01	8.45E-01	3.95E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		3.69E+00	3.60E+00	3.44E+00	2.91E+00	1.81E+00	3.41E-01	2.90E-03	1.66E-10
Avg		2.10E+00	2.04E+00	1.91E+00	1.53E+00	8.56E-01	1.22E-01	5.16E-04	7.82E-12
Std		9.83E-01	9.57E-01	9.13E-01	7.83E-01	4.90E-01	8.89E-02	6.49E-04	2.22E-11
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ΣALL									
Min		9.46E-01	8.45E-01	3.95E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		3.69E+00	3.60E+00	3.44E+00	2.91E+00	1.81E+00	3.41E-01	2.90E-03	1.66E-10
Avg		2.10E+00	2.04E+00	1.91E+00	1.53E+00	8.56E-01	1.22E-01	5.16E-04	7.82E-12
Std		9.83E-01	9.57E-01	9.13E-01	7.83E-01	4.90E-01	8.89E-02	6.49E-04	2.22E-11
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ΣALL is total pathway dose summed for all nuclides.



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Probabilistic Dose vs Pathway(i): Soil Ingestion

Nuclide		DOSE(i,j,t), mrem/yr							
(j)	t=	0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
<hr/>									
Sr-90									
Min		1.59E-03	8.14E-04	2.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		2.16E-03	2.10E-03	2.01E-03	1.70E-03	1.06E-03	1.99E-04	1.70E-06	9.86E-14
Avg		2.15E-03	2.09E-03	1.97E-03	1.59E-03	9.06E-04	1.42E-04	7.18E-07	1.03E-14
Std		2.12E-05	5.46E-05	9.92E-05	2.45E-04	2.42E-04	6.26E-05	6.40E-07	2.35E-14
<hr/>									
ΣALL									
Min		1.59E-03	8.14E-04	2.13E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		2.16E-03	2.10E-03	2.01E-03	1.70E-03	1.06E-03	1.99E-04	1.70E-06	9.86E-14
Avg		2.15E-03	2.09E-03	1.97E-03	1.59E-03	9.06E-04	1.42E-04	7.18E-07	1.03E-14
Std		2.12E-05	5.46E-05	9.92E-05	2.45E-04	2.42E-04	6.26E-05	6.40E-07	2.35E-14
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ΣALL is total pathway dose summed for all nuclides.



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Probabilistic Dose vs Pathway(i): Water Ingestion

Nuclide		DOSE(i,j,t), mrem/yr							
(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/>									
Sr-90									
Min		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		2.34E-03	4.95E-02	1.59E-01	1.20E+00	2.81E+00	3.43E-01	1.74E-03	3.11E-11
Avg		6.97E-06	1.09E-04	7.71E-04	7.35E-03	2.27E-02	1.03E-02	8.08E-05	1.88E-12
Std		9.04E-05	1.50E-03	6.26E-03	5.78E-02	1.42E-01	3.06E-02	1.54E-04	3.40E-12
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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		2.34E-03	4.95E-02	1.59E-01	1.20E+00	2.81E+00	3.43E-01	1.74E-03	3.11E-11
Avg		6.97E-06	1.09E-04	7.71E-04	7.35E-03	2.27E-02	1.03E-02	8.08E-05	1.88E-12
Std		9.04E-05	1.50E-03	6.26E-03	5.78E-02	1.42E-01	3.06E-02	1.54E-04	3.40E-12
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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
<hr/>									
Sr-90									
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
TOTAL									
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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TOTAL is total pathway dose summed for all nuclides.



Probabilistic results summary : RESRAD Default Parameters

File : C:\USERS\DNF\DOCUMENTS\FT CALHOUN\RESRAD INPUT FILES\SOIL UNCERTAINTY ANALYSIS\FCS SOIL UNCERTAINTY ANALYSIS SR-90.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
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Sr-90									
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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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\SOIL UNCERTAINTY ANALYSIS\FCS SOIL UNCERTAINTY ANALYSIS SR-90.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/>									
Sr-90									
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		1.62E-04	3.97E-03	2.98E-02	3.48E-01	5.57E-01	7.84E-02	1.91E-04	3.58E-12
Avg		5.69E-07	1.04E-05	9.35E-05	9.57E-04	2.95E-03	1.16E-03	8.73E-06	2.05E-13
Std		7.08E-06	1.39E-04	9.62E-04	1.08E-02	2.28E-02	4.04E-03	1.70E-05	4.00E-13
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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		1.62E-04	3.97E-03	2.98E-02	3.48E-01	5.57E-01	7.84E-02	1.91E-04	3.58E-12
Avg		5.69E-07	1.04E-05	9.35E-05	9.57E-04	2.95E-03	1.16E-03	8.73E-06	2.05E-13
Std		7.08E-06	1.39E-04	9.62E-04	1.08E-02	2.28E-02	4.04E-03	1.70E-05	4.00E-13
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ΣALL is total pathway dose summed for all nuclides.



Probabilistic results summary : RESRAD Default Parameters

File : C:\USERS\DNF\DOCUMENTS\FT CALHOUN\RESRAD INPUT FILES\SOIL UNCERTAINTY ANALYSIS\FCS SOIL UNCERTAINTY ANALYSIS SR-90.RAD

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

Nuclide	DOSE(i,j,t), mrem/yr								
	(j)	t= 0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
<hr/>									
Sr-90									
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		1.53E-04	6.26E-03	2.24E-02	2.01E-01	4.08E-01	5.43E-02	2.25E-04	4.07E-12
Avg		5.93E-07	1.32E-05	1.04E-04	1.07E-03	3.34E-03	1.47E-03	1.15E-05	2.66E-13
Std		7.44E-06	1.90E-04	8.77E-04	8.98E-03	2.12E-02	4.37E-03	2.15E-05	4.80E-13
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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		1.53E-04	6.26E-03	2.24E-02	2.01E-01	4.08E-01	5.43E-02	2.25E-04	4.07E-12
Avg		5.93E-07	1.32E-05	1.04E-04	1.07E-03	3.34E-03	1.47E-03	1.15E-05	2.66E-13
Std		7.44E-06	1.90E-04	8.77E-04	8.98E-03	2.12E-02	4.37E-03	2.15E-05	4.80E-13
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ΣALL is total pathway dose summed for all nuclides.



Probabilistic results summary : RESRAD Default Parameters

File : C:\USERS\DNF\DOCUMENTS\FT CALHOUN\RESRAD INPUT FILES\SOIL UNCERTAINTY ANALYSIS\FCS SOIL UNCERTAINTY ANALYSIS SR-90.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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Sr-90									
Min		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		2.47E-04	8.01E-03	2.77E-02	2.73E-01	5.01E-01	7.03E-02	2.66E-04	4.73E-12
Avg		8.45E-07	1.68E-05	1.31E-04	1.33E-03	4.11E-03	1.78E-03	1.39E-05	3.21E-13
Std		1.07E-05	2.44E-04	1.12E-03	1.15E-02	2.64E-02	5.34E-03	2.60E-05	5.84E-13
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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		2.47E-04	8.01E-03	2.77E-02	2.73E-01	5.01E-01	7.03E-02	2.66E-04	4.73E-12
Avg		8.45E-07	1.68E-05	1.31E-04	1.33E-03	4.11E-03	1.78E-03	1.39E-05	3.21E-13
Std		1.07E-05	2.44E-04	1.12E-03	1.15E-02	2.64E-02	5.34E-03	2.60E-05	5.84E-13
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ΣALL is total pathway dose summed for all nuclides.



Probabilistic results summary : RESRAD Default Parameters

File : C:\USERS\DNF\DOCUMENTS\FT CALHOUN\RESRAD INPUT FILES\SOIL UNCERTAINTY ANALYSIS\FCS SOIL UNCERTAINTY ANALYSIS SR-90.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	4.65E+00	4.50E+00	4.18E+00	2.16E+00	7.84E-02	2.62E-04	1.52E-13	0.00E+00
0.050	4.76E+00	4.60E+00	4.30E+00	3.23E+00	8.61E-01	1.24E-02	4.43E-07	0.00E+00
0.075	4.86E+00	4.72E+00	4.38E+00	3.49E+00	1.59E+00	6.20E-02	2.00E-06	0.00E+00
0.100	4.99E+00	4.82E+00	4.48E+00	3.60E+00	1.84E+00	1.13E-01	5.58E-06	0.00E+00
0.125	5.11E+00	4.94E+00	4.59E+00	3.66E+00	1.99E+00	1.67E-01	1.60E-05	0.00E+00
0.150	5.26E+00	5.07E+00	4.70E+00	3.73E+00	2.08E+00	2.04E-01	2.60E-05	0.00E+00
0.175	5.39E+00	5.19E+00	4.85E+00	3.86E+00	2.16E+00	2.38E-01	4.22E-05	0.00E+00
0.200	5.53E+00	5.32E+00	4.95E+00	3.97E+00	2.22E+00	2.63E-01	7.92E-05	1.50E-18
0.225	5.67E+00	5.47E+00	5.09E+00	4.10E+00	2.28E+00	2.85E-01	1.23E-04	1.03E-14
0.250	5.85E+00	5.65E+00	5.23E+00	4.21E+00	2.35E+00	3.04E-01	1.81E-04	2.57E-14
0.275	6.03E+00	5.81E+00	5.40E+00	4.35E+00	2.41E+00	3.28E-01	2.61E-04	5.11E-14
0.300	6.21E+00	6.02E+00	5.58E+00	4.52E+00	2.50E+00	3.44E-01	3.50E-04	9.14E-14
0.325	6.41E+00	6.20E+00	5.80E+00	4.67E+00	2.58E+00	3.62E-01	4.39E-04	1.33E-13
0.350	6.64E+00	6.42E+00	5.96E+00	4.81E+00	2.71E+00	3.81E-01	5.68E-04	2.31E-13
0.375	6.84E+00	6.62E+00	6.15E+00	4.98E+00	2.80E+00	3.98E-01	6.90E-04	3.02E-13
0.400	7.09E+00	6.87E+00	6.40E+00	5.16E+00	2.89E+00	4.14E-01	8.05E-04	4.10E-13
0.425	7.36E+00	7.13E+00	6.65E+00	5.37E+00	3.01E+00	4.31E-01	9.90E-04	5.63E-13
0.450	7.65E+00	7.40E+00	6.88E+00	5.56E+00	3.15E+00	4.47E-01	1.16E-03	8.06E-13
0.475	7.97E+00	7.68E+00	7.18E+00	5.77E+00	3.25E+00	4.67E-01	1.36E-03	1.04E-12
0.500	8.30E+00	7.98E+00	7.49E+00	6.08E+00	3.42E+00	4.87E-01	1.55E-03	1.35E-12
0.525	8.66E+00	8.36E+00	7.80E+00	6.33E+00	3.56E+00	5.01E-01	1.76E-03	1.55E-12
0.550	9.05E+00	8.73E+00	8.22E+00	6.63E+00	3.73E+00	5.20E-01	1.89E-03	2.01E-12
0.575	9.51E+00	9.20E+00	8.65E+00	7.01E+00	3.90E+00	5.42E-01	2.09E-03	2.52E-12
0.600	9.96E+00	9.64E+00	9.08E+00	7.30E+00	4.07E+00	5.66E-01	2.25E-03	3.18E-12
0.625	1.05E+01	1.02E+01	9.52E+00	7.72E+00	4.31E+00	5.97E-01	2.55E-03	4.08E-12
0.650	1.12E+01	1.09E+01	1.01E+01	8.24E+00	4.53E+00	6.26E-01	2.71E-03	5.04E-12
0.675	1.19E+01	1.14E+01	1.07E+01	8.76E+00	4.81E+00	6.80E-01	2.92E-03	6.08E-12
0.700	1.26E+01	1.22E+01	1.15E+01	9.22E+00	5.10E+00	7.17E-01	3.10E-03	7.42E-12
0.725	1.34E+01	1.30E+01	1.22E+01	9.80E+00	5.45E+00	7.60E-01	3.39E-03	9.84E-12
0.750	1.44E+01	1.40E+01	1.30E+01	1.05E+01	5.73E+00	8.18E-01	3.70E-03	1.28E-11
0.775	1.55E+01	1.50E+01	1.40E+01	1.11E+01	6.09E+00	8.94E-01	3.98E-03	1.69E-11
0.800	1.70E+01	1.63E+01	1.51E+01	1.19E+01	6.58E+00	9.49E-01	4.28E-03	2.48E-11
0.825	1.76E+01	1.70E+01	1.58E+01	1.28E+01	7.14E+00	1.02E+00	4.64E-03	3.68E-11
0.850	1.77E+01	1.72E+01	1.62E+01	1.32E+01	7.52E+00	1.07E+00	5.21E-03	6.37E-11
0.875	1.77E+01	1.72E+01	1.63E+01	1.35E+01	7.90E+00	1.17E+00	5.97E-03	9.12E-11
0.900	1.77E+01	1.73E+01	1.64E+01	1.37E+01	8.14E+00	1.29E+00	6.95E-03	1.37E-10
0.925	1.77E+01	1.73E+01	1.64E+01	1.38E+01	8.36E+00	1.42E+00	8.20E-03	1.82E-10
0.950	1.77E+01	1.73E+01	1.65E+01	1.39E+01	8.52E+00	1.52E+00	9.54E-03	2.56E-10
0.975	1.77E+01	1.73E+01	1.65E+01	1.40E+01	8.64E+00	1.60E+00	1.23E-02	3.93E-10
1.000	1.77E+01	1.73E+01	1.65E+01	1.40E+01	8.80E+00	1.64E+00	1.40E-02	7.98E-10



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	4.54E+00	1.77E+01	1.00E+01	8.30E+00	1.77E+01	1.77E+01	1.77E+01	1.77E+01
1.00E+00	4.21E+00	1.73E+01	9.72E+00	7.96E+00	1.73E+01	1.73E+01	1.73E+01	1.73E+01
1.06E+00	4.18E+00	1.73E+01	9.70E+00	7.94E+00	1.73E+01	1.73E+01	1.73E+01	1.73E+01
1.12E+00	4.14E+00	1.73E+01	9.68E+00	7.93E+00	1.72E+01	1.73E+01	1.73E+01	1.73E+01
1.19E+00	4.10E+00	1.72E+01	9.66E+00	7.91E+00	1.72E+01	1.72E+01	1.72E+01	1.72E+01
1.25E+00	4.06E+00	1.72E+01	9.64E+00	7.89E+00	1.72E+01	1.72E+01	1.72E+01	1.72E+01
1.33E+00	4.02E+00	1.72E+01	9.62E+00	7.87E+00	1.71E+01	1.72E+01	1.72E+01	1.72E+01
1.40E+00	3.98E+00	1.72E+01	9.60E+00	7.85E+00	1.71E+01	1.71E+01	1.71E+01	1.72E+01
1.49E+00	3.93E+00	1.71E+01	9.57E+00	7.82E+00	1.71E+01	1.71E+01	1.71E+01	1.71E+01
1.57E+00	3.88E+00	1.71E+01	9.55E+00	7.80E+00	1.70E+01	1.71E+01	1.71E+01	1.71E+01
1.66E+00	3.83E+00	1.70E+01	9.52E+00	7.78E+00	1.70E+01	1.70E+01	1.70E+01	1.70E+01
1.76E+00	3.78E+00	1.70E+01	9.49E+00	7.76E+00	1.69E+01	1.70E+01	1.70E+01	1.70E+01
1.86E+00	3.73E+00	1.70E+01	9.46E+00	7.74E+00	1.69E+01	1.70E+01	1.70E+01	1.70E+01
1.97E+00	3.67E+00	1.69E+01	9.42E+00	7.71E+00	1.69E+01	1.69E+01	1.69E+01	1.69E+01
2.09E+00	3.61E+00	1.69E+01	9.39E+00	7.69E+00	1.68E+01	1.69E+01	1.69E+01	1.69E+01
2.21E+00	3.55E+00	1.68E+01	9.35E+00	7.66E+00	1.68E+01	1.68E+01	1.68E+01	1.68E+01
2.34E+00	3.49E+00	1.68E+01	9.32E+00	7.63E+00	1.67E+01	1.68E+01	1.68E+01	1.68E+01
2.47E+00	3.42E+00	1.67E+01	9.28E+00	7.61E+00	1.66E+01	1.67E+01	1.67E+01	1.67E+01
2.62E+00	3.35E+00	1.67E+01	9.23E+00	7.58E+00	1.66E+01	1.66E+01	1.67E+01	1.67E+01
2.77E+00	3.28E+00	1.66E+01	9.19E+00	7.54E+00	1.65E+01	1.66E+01	1.66E+01	1.66E+01
2.93E+00	3.21E+00	1.65E+01	9.14E+00	7.51E+00	1.64E+01	1.65E+01	1.65E+01	1.65E+01
3.00E+00	3.18E+00	1.65E+01	9.12E+00	7.50E+00	1.64E+01	1.65E+01	1.65E+01	1.65E+01
3.10E+00	3.13E+00	1.65E+01	9.09E+00	7.47E+00	1.64E+01	1.65E+01	1.65E+01	1.65E+01
3.28E+00	2.93E+00	1.64E+01	9.04E+00	7.44E+00	1.63E+01	1.64E+01	1.64E+01	1.64E+01
3.48E+00	2.65E+00	1.63E+01	8.99E+00	7.40E+00	1.62E+01	1.63E+01	1.63E+01	1.63E+01
3.68E+00	2.35E+00	1.62E+01	8.93E+00	7.36E+00	1.61E+01	1.62E+01	1.62E+01	1.62E+01
3.89E+00	2.04E+00	1.62E+01	8.87E+00	7.31E+00	1.60E+01	1.61E+01	1.62E+01	1.62E+01
4.12E+00	1.70E+00	1.61E+01	8.80E+00	7.27E+00	1.60E+01	1.61E+01	1.61E+01	1.61E+01
4.36E+00	1.34E+00	1.60E+01	8.74E+00	7.22E+00	1.59E+01	1.60E+01	1.60E+01	1.60E+01
4.61E+00	9.65E-01	1.59E+01	8.67E+00	7.17E+00	1.58E+01	1.59E+01	1.59E+01	1.59E+01
4.88E+00	5.86E-01	1.58E+01	8.60E+00	7.11E+00	1.56E+01	1.58E+01	1.58E+01	1.58E+01
5.17E+00	2.87E-01	1.57E+01	8.52E+00	7.05E+00	1.55E+01	1.57E+01	1.57E+01	1.57E+01
5.47E+00	1.00E-01	1.56E+01	8.44E+00	6.98E+00	1.54E+01	1.55E+01	1.56E+01	1.56E+01
5.78E+00	4.22E-02	1.54E+01	8.36E+00	6.92E+00	1.53E+01	1.54E+01	1.54E+01	1.54E+01
6.12E+00	4.13E-02	1.53E+01	8.27E+00	6.86E+00	1.52E+01	1.53E+01	1.53E+01	1.53E+01
6.48E+00	0.00E+00	1.52E+01	8.18E+00	6.79E+00	1.50E+01	1.52E+01	1.52E+01	1.52E+01
6.86E+00	0.00E+00	1.51E+01	8.09E+00	6.72E+00	1.49E+01	1.50E+01	1.50E+01	1.51E+01
7.26E+00	0.00E+00	1.49E+01	7.99E+00	6.64E+00	1.47E+01	1.49E+01	1.49E+01	1.49E+01
7.68E+00	0.00E+00	1.48E+01	7.88E+00	6.56E+00	1.46E+01	1.47E+01	1.48E+01	1.48E+01
8.13E+00	0.00E+00	1.46E+01	7.78E+00	6.47E+00	1.44E+01	1.46E+01	1.46E+01	1.46E+01
8.60E+00	0.00E+00	1.44E+01	7.67E+00	6.38E+00	1.42E+01	1.44E+01	1.44E+01	1.44E+01
9.10E+00	0.00E+00	1.43E+01	7.55E+00	6.30E+00	1.40E+01	1.42E+01	1.43E+01	1.43E+01
9.63E+00	0.00E+00	1.41E+01	7.43E+00	6.19E+00	1.38E+01	1.40E+01	1.41E+01	1.41E+01
1.00E+01	0.00E+00	1.40E+01	7.35E+00	6.12E+00	1.37E+01	1.39E+01	1.40E+01	1.40E+01
1.02E+01	0.00E+00	1.39E+01	7.31E+00	6.09E+00	1.36E+01	1.39E+01	1.39E+01	1.39E+01
1.08E+01	0.00E+00	1.37E+01	7.18E+00	5.98E+00	1.34E+01	1.37E+01	1.37E+01	1.37E+01
1.14E+01	0.00E+00	1.35E+01	7.05E+00	5.86E+00	1.32E+01	1.35E+01	1.35E+01	1.35E+01
1.21E+01	0.00E+00	1.33E+01	6.91E+00	5.76E+00	1.30E+01	1.32E+01	1.33E+01	1.33E+01
1.28E+01	0.00E+00	1.31E+01	6.77E+00	5.64E+00	1.28E+01	1.30E+01	1.31E+01	1.31E+01
1.35E+01	0.00E+00	1.28E+01	6.62E+00	5.53E+00	1.25E+01	1.28E+01	1.28E+01	1.28E+01
1.43E+01	0.00E+00	1.26E+01	6.47E+00	5.39E+00	1.23E+01	1.25E+01	1.26E+01	1.26E+01
1.51E+01	0.00E+00	1.24E+01	6.31E+00	5.26E+00	1.20E+01	1.23E+01	1.23E+01	1.24E+01
1.60E+01	0.00E+00	1.21E+01	6.15E+00	5.13E+00	1.17E+01	1.20E+01	1.21E+01	1.21E+01
1.70E+01	0.00E+00	1.18E+01	5.98E+00	4.98E+00	1.15E+01	1.18E+01	1.18E+01	1.18E+01
1.80E+01	0.00E+00	1.16E+01	5.82E+00	4.84E+00	1.12E+01	1.15E+01	1.15E+01	1.16E+01
1.90E+01	0.00E+00	1.13E+01	5.64E+00	4.71E+00	1.09E+01	1.12E+01	1.13E+01	1.13E+01



2.01E+01	0.00E+00	1.10E+01	5.47E+00	4.56E+00	1.06E+01	1.09E+01	1.10E+01	1.10E+01
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2.13E+01 0.00E+00 1.07E+01 5.29E+00 4.39E+00 1.03E+01 1.06E+01 1.07E+01 1.07E+01



2.25E+01 0.00E+00 1.04E+01 5.10E+00 4.24E+00 9.97E+00 1.03E+01 1.03E+01 1.04E+01



2.38E+01	0.00E+00	1.00E+01	4.92E+00	4.09E+00	9.64E+00	9.97E+00	1.00E+01	1.00E+01
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2.52E+01 0.00E+00 9.72E+00 4.73E+00 3.94E+00 9.31E+00 9.64E+00 9.69E+00 9.71E+00



2.67E+01	0.00E+00	9.43E+00	4.53E+00	3.78E+00	8.96E+00	9.30E+00	9.36E+00	9.38E+00
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2.82E+01	0.00E+00	9.13E+00	4.34E+00	3.59E+00	8.62E+00	8.96E+00	9.02E+00	9.04E+00
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2.99E+01 0.00E+00 8.82E+00 4.14E+00 3.39E+00 8.23E+00 8.61E+00 8.67E+00 8.69E+00



3.00E+01	0.00E+00	8.80E+00	4.13E+00	3.38E+00	8.21E+00	8.58E+00	8.64E+00	8.67E+00
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3.16E+01 0.00E+00 8.45E+00 3.94E+00 3.23E+00 7.85E+00 8.25E+00 8.32E+00 8.34E+00



3.35E+01	0.00E+00	7.99E+00	3.74E+00	3.07E+00	7.49E+00	7.89E+00	7.96E+00	7.98E+00
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3.54E+01	0.00E+00	7.62E+00	3.54E+00	2.93E+00	7.12E+00	7.52E+00	7.59E+00	7.61E+00
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3.75E+01 0.00E+00 7.25E+00 3.34E+00 2.76E+00 6.75E+00 7.16E+00 7.23E+00 7.24E+00



3.97E+01	0.00E+00	6.89E+00	3.14E+00	2.59E+00	6.38E+00	6.79E+00	6.86E+00	6.88E+00
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4.20E+01 0.00E+00 6.52E+00 2.95E+00 2.42E+00 6.02E+00 6.42E+00 6.49E+00 6.51E+00



4.44E+01 0.00E+00 6.15E+00 2.75E+00 2.26E+00 5.66E+00 6.05E+00 6.12E+00 6.14E+00



4.70E+01 0.00E+00 5.78E+00 2.56E+00 2.09E+00 5.29E+00 5.67E+00 5.75E+00 5.77E+00



4.97E+01 0.00E+00 5.41E+00 2.37E+00 1.94E+00 4.93E+00 5.31E+00 5.39E+00 5.41E+00



5.26E+01 0.00E+00 5.05E+00 2.19E+00 1.80E+00 4.55E+00 4.95E+00 5.02E+00 5.04E+00



5.57E+01 0.00E+00 4.70E+00 2.01E+00 1.65E+00 4.15E+00 4.59E+00 4.66E+00 4.69E+00



5.90E+01 0.00E+00 4.35E+00 1.84E+00 1.51E+00 3.81E+00 4.24E+00 4.32E+00 4.34E+00



6.24E+01 0.00E+00 4.00E+00 1.67E+00 1.38E+00 3.49E+00 3.90E+00 3.97E+00 4.00E+00



6.60E+01 0.00E+00 3.67E+00 1.51E+00 1.24E+00 3.17E+00 3.56E+00 3.64E+00 3.66E+00



6.99E+01 0.00E+00 3.35E+00 1.36E+00 1.12E+00 2.87E+00 3.23E+00 3.32E+00 3.34E+00



7.39E+01	0.00E+00	3.04E+00	1.21E+00	9.92E-01	2.59E+00	2.93E+00	3.01E+00	3.03E+00
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7.82E+01 0.00E+00 2.74E+00 1.08E+00 8.84E-01 2.32E+00 2.64E+00 2.72E+00 2.74E+00



8.28E+01 0.00E+00 2.46E+00 9.51E-01 7.78E-01 2.06E+00 2.36E+00 2.44E+00 2.45E+00



8.76E+01 0.00E+00 2.19E+00 8.33E-01 6.83E-01 1.81E+00 2.09E+00 2.17E+00 2.19E+00



9.27E+01 0.00E+00 1.94E+00 7.24E-01 5.96E-01 1.58E+00 1.84E+00 1.92E+00 1.94E+00



9.81E+01 0.00E+00 1.71E+00 6.24E-01 5.15E-01 1.37E+00 1.61E+00 1.68E+00 1.70E+00



1.00E+02 0.00E+00 1.63E+00 5.93E-01 4.89E-01 1.30E+00 1.54E+00 1.61E+00 1.63E+00



1.04E+02 0.00E+00 1.49E+00 5.34E-01 4.40E-01 1.18E+00 1.39E+00 1.47E+00 1.48E+00



1.10E+02 0.00E+00 1.29E+00 4.52E-01 3.67E-01 1.01E+00 1.19E+00 1.27E+00 1.28E+00



1.16E+02 0.00E+00 1.11E+00 3.80E-01 3.11E-01 8.56E-01 1.02E+00 1.09E+00 1.10E+00



1.23E+02 0.00E+00 9.42E-01 3.16E-01 2.58E-01 7.15E-01 8.60E-01 9.23E-01 9.37E-01



1.30E+02    0.00E+00    7.94E-01    2.59E-01    2.09E-01    5.87E-01    7.19E-01    7.75E-01    7.89E-01



1.38E+02    0.00E+00    6.62E-01    2.11E-01    1.70E-01    4.86E-01    5.94E-01    6.45E-01    6.59E-01



1.46E+02    0.00E+00    5.47E-01    1.69E-01    1.37E-01    3.95E-01    4.86E-01    5.32E-01    5.44E-01



1.54E+02    0.00E+00    4.46E-01    1.34E-01    1.08E-01    3.17E-01    3.93E-01    4.34E-01    4.44E-01



1.63E+02 0.00E+00 3.60E-01 1.05E-01 8.42E-02 2.48E-01 3.15E-01 3.49E-01 3.58E-01



1.73E+02    0.00E+00    2.87E-01    8.06E-02    6.46E-02    1.94E-01    2.47E-01    2.78E-01    2.85E-01



1.83E+02    0.00E+00    2.26E-01    6.11E-02    4.82E-02    1.46E-01    1.88E-01    2.18E-01    2.24E-01



1.94E+02 0.00E+00 1.75E-01 4.56E-02 3.53E-02 1.13E-01 1.45E-01 1.69E-01 1.74E-01



2.05E+02    0.00E+00    1.34E-01    3.34E-02    2.53E-02    8.49E-02    1.11E-01    1.28E-01    1.33E-01



2.17E+02    0.00E+00    1.01E-01    2.40E-02    1.77E-02    6.24E-02    8.25E-02    9.45E-02    9.98E-02



2.29E+02 0.00E+00 7.45E-02 1.70E-02 1.20E-02 4.56E-02 5.97E-02 6.91E-02 7.38E-02



2.43E+02 0.00E+00 5.41E-02 1.19E-02 8.19E-03 3.23E-02 4.14E-02 5.00E-02 5.36E-02



2.57E+02    0.00E+00    3.86E-02    8.10E-03    5.46E-03    2.26E-02    2.93E-02    3.55E-02    3.82E-02



2.72E+02    0.00E+00    2.70E-02    5.41E-03    3.41E-03    1.54E-02    1.99E-02    2.47E-02    2.67E-02



2.88E+02 0.00E+00 1.85E-02 3.54E-03 2.07E-03 1.00E-02 1.33E-02 1.69E-02 1.83E-02



3.00E+02 0.00E+00 1.38E-02 2.56E-03 1.38E-03 7.43E-03 9.87E-03 1.25E-02 1.37E-02



3.05E+02    0.00E+00    1.24E-02    2.27E-03    1.24E-03    6.64E-03    8.85E-03    1.12E-02    1.23E-02



3.22E+02 0.00E+00 8.11E-03 1.42E-03 7.20E-04 4.20E-03 5.72E-03 7.27E-03 7.89E-03



3.41E+02 0.00E+00 5.18E-03 8.63E-04 4.02E-04 2.58E-03 3.53E-03 4.45E-03 4.97E-03



3.61E+02 0.00E+00 3.23E-03 5.11E-04 2.06E-04 1.53E-03 2.18E-03 2.63E-03 3.08E-03



3.82E+02 0.00E+00 1.95E-03 2.94E-04 1.01E-04 8.91E-04 1.25E-03 1.54E-03 1.86E-03



4.04E+02	0.00E+00	1.15E-03	1.65E-04	5.20E-05	5.19E-04	7.14E-04	8.88E-04	1.09E-03
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4.28E+02 0.00E+00 6.55E-04 8.91E-05 2.34E-05 2.83E-04 3.97E-04 5.04E-04 6.21E-04



4.53E+02    0.00E+00    3.62E-04    4.67E-05    1.03E-05    1.49E-04    2.15E-04    2.77E-04    3.41E-04



4.79E+02 0.00E+00 1.93E-04 2.36E-05 4.62E-06 7.70E-05 1.10E-04 1.46E-04 1.81E-04



5.07E+02    0.00E+00    9.91E-05    1.15E-05    1.85E-06    3.76E-05    5.53E-05    7.35E-05    9.29E-05



5.36E+02    0.00E+00    4.90E-05    5.39E-06    7.27E-07    1.77E-05    2.70E-05    3.63E-05    4.57E-05



5.68E+02	0.00E+00	2.32E-05	2.43E-06	2.71E-07	7.97E-06	1.27E-05	1.68E-05	2.16E-05
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6.01E+02 0.00E+00 1.05E-05 1.05E-06 1.15E-07 3.41E-06 5.64E-06 7.40E-06 9.77E-06



6.36E+02    0.00E+00    4.57E-06    4.29E-07    3.69E-08    1.39E-06    2.42E-06    3.18E-06    4.22E-06



6.73E+02 0.00E+00 1.89E-06 1.68E-07 1.26E-08 5.70E-07 9.98E-07 1.30E-06 1.74E-06



7.12E+02 0.00E+00 7.41E-07 6.23E-08 4.12E-09 2.13E-07 3.77E-07 5.03E-07 6.78E-07



7.53E+02 0.00E+00 2.75E-07 2.19E-08 1.33E-09 7.36E-08 1.37E-07 1.84E-07 2.51E-07



7.97E+02 0.00E+00 9.66E-08 7.28E-09 3.54E-10 2.46E-08 4.71E-08 6.40E-08 8.75E-08



8.44E+02 0.00E+00 3.19E-08 2.27E-09 1.01E-10 7.67E-09 1.52E-08 2.09E-08 2.76E-08



8.93E+02 0.00E+00 9.86E-09 6.64E-10 2.64E-11 2.25E-09 4.61E-09 6.37E-09 8.48E-09



9.45E+02 0.00E+00 2.85E-09 1.81E-10 7.02E-12 6.06E-10 1.30E-09 1.80E-09 2.43E-09



1.00E+03 0.00E+00 7.65E-10 4.58E-11 1.43E-12 1.57E-10 3.38E-10 4.74E-10 6.47E-10



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Probabilistic results summary : RESRAD Default Parameters

File : C:\USERS\DNF\DOCUMENTS\FT CALHOUN\RESRAD INPUT FILES\SOIL UNCERTAINTY ANALYSIS\FCS SOIL UNCERTAINTY ANALYSIS SR-90.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	4.42E+00	1.77E+01	1.00E+01	8.32E+00	1.77E+01	1.77E+01	1.77E+01	1.77E+01
1.00E+00	3.94E+00	1.73E+01	9.69E+00	7.97E+00	1.73E+01	1.73E+01	1.73E+01	1.73E+01
1.06E+00	3.92E+00	1.73E+01	9.68E+00	7.95E+00	1.72E+01	1.73E+01	1.73E+01	1.73E+01
1.12E+00	3.89E+00	1.73E+01	9.66E+00	7.94E+00	1.72E+01	1.73E+01	1.73E+01	1.73E+01
1.19E+00	3.86E+00	1.72E+01	9.63E+00	7.92E+00	1.72E+01	1.72E+01	1.72E+01	1.72E+01
1.25E+00	3.83E+00	1.72E+01	9.61E+00	7.89E+00	1.71E+01	1.72E+01	1.72E+01	1.72E+01
1.33E+00	3.80E+00	1.72E+01	9.59E+00	7.87E+00	1.71E+01	1.72E+01	1.72E+01	1.72E+01
1.40E+00	3.76E+00	1.72E+01	9.56E+00	7.85E+00	1.71E+01	1.71E+01	1.71E+01	1.72E+01
1.49E+00	3.73E+00	1.71E+01	9.54E+00	7.84E+00	1.70E+01	1.71E+01	1.71E+01	1.71E+01
1.57E+00	3.69E+00	1.71E+01	9.51E+00	7.82E+00	1.70E+01	1.71E+01	1.71E+01	1.71E+01
1.66E+00	3.65E+00	1.70E+01	9.48E+00	7.80E+00	1.70E+01	1.70E+01	1.70E+01	1.70E+01
1.76E+00	3.61E+00	1.70E+01	9.45E+00	7.78E+00	1.69E+01	1.70E+01	1.70E+01	1.70E+01
1.86E+00	3.57E+00	1.70E+01	9.42E+00	7.76E+00	1.69E+01	1.69E+01	1.70E+01	1.70E+01
1.97E+00	3.53E+00	1.69E+01	9.38E+00	7.74E+00	1.68E+01	1.69E+01	1.69E+01	1.69E+01
2.09E+00	3.39E+00	1.69E+01	9.35E+00	7.71E+00	1.68E+01	1.68E+01	1.69E+01	1.69E+01
2.21E+00	3.13E+00	1.68E+01	9.31E+00	7.69E+00	1.67E+01	1.68E+01	1.68E+01	1.68E+01
2.34E+00	2.87E+00	1.68E+01	9.27E+00	7.65E+00	1.67E+01	1.67E+01	1.68E+01	1.68E+01
2.47E+00	2.63E+00	1.67E+01	9.23E+00	7.61E+00	1.66E+01	1.67E+01	1.67E+01	1.67E+01
2.62E+00	2.39E+00	1.67E+01	9.19E+00	7.57E+00	1.65E+01	1.66E+01	1.67E+01	1.67E+01
2.77E+00	2.16E+00	1.66E+01	9.14E+00	7.53E+00	1.65E+01	1.66E+01	1.66E+01	1.66E+01
2.93E+00	1.94E+00	1.65E+01	9.09E+00	7.50E+00	1.64E+01	1.65E+01	1.65E+01	1.65E+01
3.00E+00	1.86E+00	1.65E+01	9.07E+00	7.48E+00	1.64E+01	1.65E+01	1.65E+01	1.65E+01
3.10E+00	1.74E+00	1.65E+01	9.04E+00	7.46E+00	1.63E+01	1.64E+01	1.65E+01	1.65E+01
3.28E+00	1.55E+00	1.64E+01	8.99E+00	7.40E+00	1.63E+01	1.64E+01	1.64E+01	1.64E+01
3.48E+00	1.37E+00	1.63E+01	8.93E+00	7.36E+00	1.62E+01	1.63E+01	1.63E+01	1.63E+01
3.68E+00	1.20E+00	1.62E+01	8.88E+00	7.32E+00	1.61E+01	1.62E+01	1.62E+01	1.62E+01
3.89E+00	1.04E+00	1.62E+01	8.81E+00	7.28E+00	1.60E+01	1.61E+01	1.62E+01	1.62E+01
4.12E+00	9.04E-01	1.61E+01	8.75E+00	7.21E+00	1.59E+01	1.60E+01	1.61E+01	1.61E+01
4.36E+00	6.44E-01	1.60E+01	8.68E+00	7.13E+00	1.58E+01	1.59E+01	1.60E+01	1.60E+01
4.61E+00	3.60E-01	1.59E+01	8.61E+00	7.08E+00	1.57E+01	1.58E+01	1.59E+01	1.59E+01
4.88E+00	1.50E-01	1.58E+01	8.54E+00	7.02E+00	1.56E+01	1.57E+01	1.58E+01	1.58E+01
5.17E+00	2.69E-02	1.57E+01	8.46E+00	6.95E+00	1.55E+01	1.56E+01	1.57E+01	1.57E+01
5.47E+00	4.36E-05	1.56E+01	8.38E+00	6.87E+00	1.54E+01	1.55E+01	1.56E+01	1.56E+01
5.78E+00	0.00E+00	1.55E+01	8.30E+00	6.79E+00	1.52E+01	1.54E+01	1.54E+01	1.54E+01
6.12E+00	0.00E+00	1.53E+01	8.21E+00	6.73E+00	1.51E+01	1.53E+01	1.53E+01	1.53E+01
6.48E+00	0.00E+00	1.52E+01	8.12E+00	6.65E+00	1.50E+01	1.51E+01	1.52E+01	1.52E+01
6.86E+00	0.00E+00	1.51E+01	8.02E+00	6.58E+00	1.48E+01	1.50E+01	1.50E+01	1.51E+01
7.26E+00	0.00E+00	1.49E+01	7.92E+00	6.51E+00	1.47E+01	1.48E+01	1.49E+01	1.49E+01
7.68E+00	0.00E+00	1.48E+01	7.82E+00	6.44E+00	1.45E+01	1.47E+01	1.47E+01	1.48E+01
8.13E+00	0.00E+00	1.46E+01	7.72E+00	6.36E+00	1.43E+01	1.45E+01	1.46E+01	1.46E+01
8.60E+00	0.00E+00	1.45E+01	7.61E+00	6.27E+00	1.41E+01	1.44E+01	1.44E+01	1.44E+01
9.10E+00	0.00E+00	1.43E+01	7.49E+00	6.19E+00	1.40E+01	1.42E+01	1.42E+01	1.43E+01
9.63E+00	0.00E+00	1.41E+01	7.37E+00	6.09E+00	1.38E+01	1.40E+01	1.41E+01	1.41E+01
1.00E+01	0.00E+00	1.40E+01	7.29E+00	6.03E+00	1.36E+01	1.39E+01	1.39E+01	1.40E+01
1.02E+01	0.00E+00	1.39E+01	7.25E+00	6.00E+00	1.36E+01	1.38E+01	1.39E+01	1.39E+01
1.08E+01	0.00E+00	1.37E+01	7.13E+00	5.89E+00	1.34E+01	1.36E+01	1.37E+01	1.37E+01
1.14E+01	0.00E+00	1.35E+01	6.99E+00	5.77E+00	1.31E+01	1.34E+01	1.35E+01	1.35E+01
1.21E+01	0.00E+00	1.33E+01	6.86E+00	5.67E+00	1.29E+01	1.32E+01	1.33E+01	1.33E+01
1.28E+01	0.00E+00	1.31E+01	6.72E+00	5.57E+00	1.27E+01	1.30E+01	1.30E+01	1.31E+01
1.35E+01	0.00E+00	1.29E+01	6.57E+00	5.43E+00	1.24E+01	1.27E+01	1.28E+01	1.28E+01
1.43E+01	0.00E+00	1.26E+01	6.42E+00	5.30E+00	1.22E+01	1.25E+01	1.26E+01	1.26E+01
1.51E+01	0.00E+00	1.24E+01	6.27E+00	5.18E+00	1.19E+01	1.22E+01	1.23E+01	1.24E+01
1.60E+01	0.00E+00	1.21E+01	6.11E+00	5.05E+00	1.17E+01	1.20E+01	1.21E+01	1.21E+01
1.70E+01	0.00E+00	1.18E+01	5.94E+00	4.86E+00	1.14E+01	1.17E+01	1.18E+01	1.18E+01
1.80E+01	0.00E+00	1.16E+01	5.78E+00	4.69E+00	1.11E+01	1.14E+01	1.15E+01	1.16E+01
1.90E+01	0.00E+00	1.13E+01	5.60E+00	4.54E+00	1.08E+01	1.11E+01	1.12E+01	1.13E+01



2.01E+01 0.00E+00 1.10E+01 5.43E+00 4.41E+00 1.05E+01 1.08E+01 1.09E+01 1.10E+01



2.13E+01 0.00E+00 1.07E+01 5.25E+00 4.29E+00 1.02E+01 1.05E+01 1.06E+01 1.07E+01



2.25E+01 0.00E+00 1.04E+01 5.07E+00 4.18E+00 9.86E+00 1.02E+01 1.03E+01 1.04E+01



2.38E+01	0.00E+00	1.01E+01	4.88E+00	4.02E+00	9.53E+00	9.85E+00	1.00E+01	1.00E+01
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2.52E+01	0.00E+00	9.73E+00	4.69E+00	3.87E+00	9.16E+00	9.52E+00	9.67E+00	9.71E+00
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2.67E+01	0.00E+00	9.40E+00	4.50E+00	3.73E+00	8.82E+00	9.18E+00	9.34E+00	9.38E+00
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2.82E+01	0.00E+00	9.06E+00	4.31E+00	3.59E+00	8.46E+00	8.84E+00	8.99E+00	9.04E+00
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2.99E+01 0.00E+00 8.71E+00 4.11E+00 3.44E+00 8.11E+00 8.49E+00 8.64E+00 8.69E+00



3.00E+01 0.00E+00 8.68E+00 4.10E+00 3.43E+00 8.08E+00 8.46E+00 8.62E+00 8.66E+00



3.16E+01 0.00E+00 8.35E+00 3.92E+00 3.28E+00 7.75E+00 8.13E+00 8.28E+00 8.33E+00



3.35E+01	0.00E+00	8.00E+00	3.72E+00	3.10E+00	7.38E+00	7.77E+00	7.92E+00	7.97E+00
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3.54E+01	0.00E+00	7.63E+00	3.52E+00	2.94E+00	7.01E+00	7.40E+00	7.56E+00	7.61E+00
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3.75E+01	0.00E+00	7.27E+00	3.32E+00	2.76E+00	6.64E+00	7.04E+00	7.19E+00	7.25E+00
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3.97E+01	0.00E+00	6.90E+00	3.13E+00	2.60E+00	6.27E+00	6.67E+00	6.83E+00	6.88E+00
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4.20E+01 0.00E+00 6.53E+00 2.93E+00 2.43E+00 5.90E+00 6.30E+00 6.46E+00 6.51E+00



4.44E+01 0.00E+00 6.16E+00 2.74E+00 2.26E+00 5.51E+00 5.91E+00 6.09E+00 6.14E+00



4.70E+01 0.00E+00 5.79E+00 2.55E+00 2.09E+00 5.13E+00 5.56E+00 5.72E+00 5.77E+00



4.97E+01 0.00E+00 5.43E+00 2.36E+00 1.94E+00 4.77E+00 5.20E+00 5.36E+00 5.41E+00



5.26E+01	0.00E+00	5.06E+00	2.18E+00	1.78E+00	4.42E+00	4.85E+00	4.99E+00	5.04E+00
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5.57E+01 0.00E+00 4.71E+00 2.00E+00 1.63E+00 4.07E+00 4.49E+00 4.64E+00 4.69E+00



5.90E+01 0.00E+00 4.36E+00 1.83E+00 1.48E+00 3.75E+00 4.15E+00 4.29E+00 4.34E+00



6.24E+01	0.00E+00	4.02E+00	1.66E+00	1.36E+00	3.44E+00	3.81E+00	3.95E+00	4.00E+00
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6.60E+01 0.00E+00 3.68E+00 1.50E+00 1.22E+00 3.14E+00 3.49E+00 3.62E+00 3.66E+00



6.99E+01 0.00E+00 3.36E+00 1.35E+00 1.09E+00 2.84E+00 3.17E+00 3.30E+00 3.34E+00



7.39E+01 0.00E+00 3.05E+00 1.21E+00 9.82E-01 2.55E+00 2.87E+00 2.99E+00 3.03E+00



7.82E+01 0.00E+00 2.75E+00 1.08E+00 8.58E-01 2.28E+00 2.58E+00 2.69E+00 2.74E+00



8.28E+01 0.00E+00 2.47E+00 9.49E-01 7.50E-01 2.03E+00 2.31E+00 2.41E+00 2.45E+00



8.76E+01 0.00E+00 2.20E+00 8.31E-01 6.58E-01 1.77E+00 2.05E+00 2.15E+00 2.19E+00



9.27E+01 0.00E+00 1.95E+00 7.23E-01 5.76E-01 1.53E+00 1.81E+00 1.90E+00 1.94E+00



9.81E+01 0.00E+00 1.71E+00 6.24E-01 5.01E-01 1.33E+00 1.58E+00 1.67E+00 1.70E+00



1.00E+02 0.00E+00 1.64E+00 5.93E-01 4.76E-01 1.27E+00 1.51E+00 1.59E+00 1.63E+00



1.04E+02 0.00E+00 1.50E+00 5.34E-01 4.28E-01 1.15E+00 1.37E+00 1.45E+00 1.48E+00



1.10E+02 0.00E+00 1.30E+00 4.54E-01 3.62E-01 9.90E-01 1.17E+00 1.25E+00 1.28E+00



1.16E+02 0.00E+00 1.11E+00 3.81E-01 3.03E-01 8.33E-01 9.99E-01 1.08E+00 1.10E+00



1.23E+02    0.00E+00    9.47E-01    3.17E-01    2.54E-01    6.95E-01    8.45E-01    9.08E-01    9.36E-01



1.30E+02    1.93E-06   7.98E-01   2.61E-01   2.12E-01   5.77E-01   7.07E-01   7.65E-01   7.89E-01



1.38E+02    1.02E-05    6.66E-01    2.12E-01    1.73E-01    4.63E-01    5.86E-01    6.37E-01    6.58E-01



1.46E+02 5.17E-06 5.50E-01 1.70E-01 1.39E-01 3.73E-01 4.80E-01 5.25E-01 5.43E-01



1.54E+02    1.03E-06    4.50E-01    1.35E-01    1.10E-01    2.98E-01    3.88E-01    4.28E-01    4.43E-01



1.63E+02    0.00E+00    3.63E-01    1.06E-01    8.59E-02    2.36E-01    3.10E-01    3.45E-01    3.58E-01



1.73E+02    0.00E+00    2.89E-01    8.16E-02    6.64E-02    1.85E-01    2.43E-01    2.73E-01    2.85E-01



1.83E+02	0.00E+00	2.28E-01	6.19E-02	5.03E-02	1.40E-01	1.87E-01	2.14E-01	2.24E-01
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1.94E+02 0.00E+00 1.77E-01 4.63E-02 3.72E-02 1.07E-01 1.41E-01 1.66E-01 1.74E-01



2.05E+02    0.00E+00    1.34E-01    3.40E-02    2.74E-02    8.03E-02    1.06E-01    1.26E-01    1.33E-01



2.17E+02    0.00E+00    1.01E-01    2.45E-02    1.94E-02    5.80E-02    7.79E-02    9.41E-02    9.93E-02



2.29E+02    0.00E+00    7.47E-02    1.73E-02    1.33E-02    4.10E-02    5.68E-02    6.94E-02    7.34E-02



2.43E+02 0.00E+00 5.44E-02 1.20E-02 8.77E-03 2.91E-02 4.00E-02 4.99E-02 5.33E-02



2.57E+02 0.00E+00 3.88E-02 8.20E-03 5.71E-03 1.99E-02 2.79E-02 3.52E-02 3.80E-02



2.72E+02    0.00E+00    2.72E-02    5.46E-03    3.73E-03    1.37E-02    1.92E-02    2.45E-02    2.66E-02



2.88E+02 0.00E+00 1.86E-02 3.55E-03 2.33E-03 9.15E-03 1.28E-02 1.59E-02 1.82E-02



3.00E+02 0.00E+00 1.39E-02 2.55E-03 1.61E-03 6.81E-03 9.43E-03 1.18E-02 1.36E-02



3.05E+02    0.00E+00    1.24E-02    2.26E-03    1.40E-03    6.07E-03    8.35E-03    1.06E-02    1.22E-02



3.22E+02 0.00E+00 8.13E-03 1.40E-03 7.91E-04 3.88E-03 5.31E-03 6.86E-03 7.97E-03



3.41E+02    0.00E+00    5.20E-03    8.50E-04    4.45E-04    2.28E-03    3.29E-03    4.34E-03    5.04E-03



3.61E+02	0.00E+00	3.24E-03	5.01E-04	2.37E-04	1.38E-03	1.98E-03	2.67E-03	3.13E-03
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3.82E+02 0.00E+00 1.96E-03 2.87E-04 1.29E-04 7.75E-04 1.16E-03 1.60E-03 1.89E-03



4.04E+02 0.00E+00 1.15E-03 1.60E-04 6.50E-05 4.35E-04 6.59E-04 9.31E-04 1.11E-03



4.28E+02 0.00E+00 6.57E-04 8.62E-05 2.98E-05 2.38E-04 3.65E-04 5.24E-04 6.31E-04



4.53E+02	0.00E+00	3.63E-04	4.49E-05	1.26E-05	1.25E-04	1.98E-04	2.83E-04	3.47E-04
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4.79E+02 0.00E+00 1.93E-04 2.26E-05 5.70E-06 6.23E-05 1.03E-04 1.47E-04 1.85E-04



5.07E+02    0.00E+00    9.94E-05    1.09E-05    2.20E-06    3.10E-05    5.22E-05    7.30E-05    9.45E-05



5.36E+02    0.00E+00    4.91E-05    5.07E-06    8.11E-07    1.50E-05    2.49E-05    3.49E-05    4.66E-05



5.68E+02	0.00E+00	2.33E-05	2.26E-06	3.28E-07	6.71E-06	1.14E-05	1.59E-05	2.18E-05
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6.01E+02 0.00E+00 1.06E-05 9.66E-07 1.21E-07 2.84E-06 5.06E-06 6.93E-06 9.55E-06



6.36E+02	0.00E+00	4.60E-06	3.93E-07	4.36E-08	1.18E-06	2.15E-06	2.90E-06	4.11E-06
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6.73E+02 0.00E+00 1.90E-06 1.52E-07 1.43E-08 4.64E-07 8.61E-07 1.17E-06 1.69E-06



7.12E+02	0.00E+00	7.46E-07	5.61E-08	4.66E-09	1.77E-07	3.33E-07	4.42E-07	6.60E-07
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7.53E+02	0.00E+00	2.77E-07	1.95E-08	1.39E-09	6.43E-08	1.18E-07	1.64E-07	2.44E-07
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7.97E+02	0.00E+00	9.74E-08	6.38E-09	3.55E-10	2.17E-08	3.95E-08	5.72E-08	8.46E-08
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8.44E+02 0.00E+00 3.22E-08 1.97E-09 9.26E-11 6.76E-09 1.19E-08 1.85E-08 2.77E-08



8.93E+02	0.00E+00	9.95E-09	5.70E-10	2.23E-11	1.92E-09	3.48E-09	5.56E-09	8.50E-09
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9.45E+02	0.00E+00	2.88E-09	1.55E-10	4.95E-12	5.40E-10	9.70E-10	1.54E-09	2.44E-09
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1.00E+03 0.00E+00 7.74E-10 3.91E-11 1.20E-12 1.36E-10 2.61E-10 4.04E-10 6.49E-10



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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	4.49E+00	1.77E+01	1.00E+01	8.29E+00	1.77E+01	1.77E+01	1.77E+01	1.77E+01
1.00E+00	4.03E+00	1.73E+01	9.72E+00	7.98E+00	1.73E+01	1.73E+01	1.73E+01	1.73E+01
1.06E+00	4.01E+00	1.73E+01	9.70E+00	7.97E+00	1.72E+01	1.73E+01	1.73E+01	1.73E+01
1.12E+00	3.98E+00	1.73E+01	9.69E+00	7.95E+00	1.72E+01	1.73E+01	1.73E+01	1.73E+01
1.19E+00	3.95E+00	1.72E+01	9.67E+00	7.92E+00	1.72E+01	1.72E+01	1.72E+01	1.72E+01
1.25E+00	3.92E+00	1.72E+01	9.64E+00	7.90E+00	1.72E+01	1.72E+01	1.72E+01	1.72E+01
1.33E+00	3.89E+00	1.72E+01	9.62E+00	7.89E+00	1.71E+01	1.72E+01	1.72E+01	1.72E+01
1.40E+00	3.86E+00	1.72E+01	9.60E+00	7.87E+00	1.71E+01	1.71E+01	1.71E+01	1.72E+01
1.49E+00	3.83E+00	1.71E+01	9.57E+00	7.85E+00	1.71E+01	1.71E+01	1.71E+01	1.71E+01
1.57E+00	3.79E+00	1.71E+01	9.55E+00	7.84E+00	1.70E+01	1.71E+01	1.71E+01	1.71E+01
1.66E+00	3.75E+00	1.70E+01	9.52E+00	7.82E+00	1.70E+01	1.70E+01	1.70E+01	1.70E+01
1.76E+00	3.71E+00	1.70E+01	9.49E+00	7.80E+00	1.69E+01	1.70E+01	1.70E+01	1.70E+01
1.86E+00	3.66E+00	1.70E+01	9.46E+00	7.78E+00	1.69E+01	1.69E+01	1.70E+01	1.70E+01
1.97E+00	3.57E+00	1.69E+01	9.43E+00	7.70E+00	1.68E+01	1.69E+01	1.69E+01	1.69E+01
2.09E+00	3.48E+00	1.69E+01	9.39E+00	7.68E+00	1.68E+01	1.69E+01	1.69E+01	1.69E+01
2.21E+00	3.38E+00	1.68E+01	9.35E+00	7.66E+00	1.67E+01	1.68E+01	1.68E+01	1.68E+01
2.34E+00	3.28E+00	1.68E+01	9.32E+00	7.59E+00	1.67E+01	1.68E+01	1.68E+01	1.68E+01
2.47E+00	3.18E+00	1.67E+01	9.28E+00	7.56E+00	1.66E+01	1.67E+01	1.67E+01	1.67E+01
2.62E+00	3.08E+00	1.67E+01	9.23E+00	7.53E+00	1.66E+01	1.66E+01	1.67E+01	1.67E+01
2.77E+00	2.97E+00	1.66E+01	9.19E+00	7.50E+00	1.65E+01	1.66E+01	1.66E+01	1.66E+01
2.93E+00	2.86E+00	1.65E+01	9.14E+00	7.47E+00	1.64E+01	1.65E+01	1.65E+01	1.65E+01
3.00E+00	2.82E+00	1.65E+01	9.12E+00	7.46E+00	1.64E+01	1.65E+01	1.65E+01	1.65E+01
3.10E+00	2.75E+00	1.65E+01	9.09E+00	7.44E+00	1.64E+01	1.64E+01	1.65E+01	1.65E+01
3.28E+00	2.64E+00	1.64E+01	9.04E+00	7.40E+00	1.63E+01	1.64E+01	1.64E+01	1.64E+01
3.48E+00	2.53E+00	1.63E+01	8.98E+00	7.35E+00	1.62E+01	1.63E+01	1.63E+01	1.63E+01
3.68E+00	2.41E+00	1.62E+01	8.93E+00	7.31E+00	1.61E+01	1.62E+01	1.62E+01	1.62E+01
3.89E+00	2.30E+00	1.62E+01	8.87E+00	7.27E+00	1.60E+01	1.61E+01	1.62E+01	1.62E+01
4.12E+00	2.08E+00	1.61E+01	8.80E+00	7.22E+00	1.59E+01	1.60E+01	1.61E+01	1.61E+01
4.36E+00	1.49E+00	1.60E+01	8.74E+00	7.17E+00	1.58E+01	1.60E+01	1.60E+01	1.60E+01
4.61E+00	8.92E-01	1.59E+01	8.66E+00	7.12E+00	1.57E+01	1.59E+01	1.59E+01	1.59E+01
4.88E+00	4.18E-01	1.58E+01	8.59E+00	7.07E+00	1.56E+01	1.58E+01	1.58E+01	1.58E+01
5.17E+00	1.12E-01	1.57E+01	8.51E+00	7.02E+00	1.55E+01	1.56E+01	1.57E+01	1.57E+01
5.47E+00	2.18E-03	1.56E+01	8.43E+00	6.96E+00	1.54E+01	1.55E+01	1.56E+01	1.56E+01
5.78E+00	0.00E+00	1.55E+01	8.35E+00	6.91E+00	1.53E+01	1.54E+01	1.54E+01	1.55E+01
6.12E+00	0.00E+00	1.53E+01	8.27E+00	6.85E+00	1.51E+01	1.53E+01	1.53E+01	1.53E+01
6.48E+00	0.00E+00	1.52E+01	8.18E+00	6.79E+00	1.50E+01	1.52E+01	1.52E+01	1.52E+01
6.86E+00	0.00E+00	1.51E+01	8.08E+00	6.72E+00	1.48E+01	1.50E+01	1.51E+01	1.51E+01
7.26E+00	0.00E+00	1.49E+01	7.98E+00	6.65E+00	1.47E+01	1.49E+01	1.49E+01	1.49E+01
7.68E+00	0.00E+00	1.48E+01	7.88E+00	6.53E+00	1.45E+01	1.47E+01	1.48E+01	1.48E+01
8.13E+00	0.00E+00	1.46E+01	7.78E+00	6.45E+00	1.44E+01	1.46E+01	1.46E+01	1.46E+01
8.60E+00	0.00E+00	1.45E+01	7.67E+00	6.34E+00	1.42E+01	1.44E+01	1.44E+01	1.44E+01
9.10E+00	0.00E+00	1.43E+01	7.55E+00	6.23E+00	1.40E+01	1.42E+01	1.43E+01	1.43E+01
9.63E+00	0.00E+00	1.41E+01	7.43E+00	6.14E+00	1.38E+01	1.40E+01	1.41E+01	1.41E+01
1.00E+01	0.00E+00	1.40E+01	7.35E+00	6.08E+00	1.37E+01	1.39E+01	1.40E+01	1.40E+01
1.02E+01	0.00E+00	1.39E+01	7.31E+00	6.05E+00	1.36E+01	1.38E+01	1.39E+01	1.39E+01
1.08E+01	0.00E+00	1.37E+01	7.18E+00	5.94E+00	1.34E+01	1.36E+01	1.37E+01	1.37E+01
1.14E+01	0.00E+00	1.35E+01	7.05E+00	5.79E+00	1.32E+01	1.34E+01	1.35E+01	1.35E+01
1.21E+01	0.00E+00	1.33E+01	6.91E+00	5.63E+00	1.30E+01	1.32E+01	1.33E+01	1.33E+01
1.28E+01	0.00E+00	1.31E+01	6.76E+00	5.50E+00	1.27E+01	1.30E+01	1.31E+01	1.31E+01
1.35E+01	0.00E+00	1.29E+01	6.62E+00	5.37E+00	1.25E+01	1.28E+01	1.28E+01	1.28E+01
1.43E+01	0.00E+00	1.26E+01	6.47E+00	5.23E+00	1.22E+01	1.25E+01	1.26E+01	1.26E+01
1.51E+01	0.00E+00	1.24E+01	6.31E+00	5.09E+00	1.20E+01	1.23E+01	1.23E+01	1.24E+01
1.60E+01	0.00E+00	1.21E+01	6.15E+00	4.97E+00	1.17E+01	1.20E+01	1.21E+01	1.21E+01
1.70E+01	0.00E+00	1.18E+01	5.99E+00	4.84E+00	1.14E+01	1.17E+01	1.18E+01	1.18E+01
1.80E+01	0.00E+00	1.16E+01	5.82E+00	4.71E+00	1.11E+01	1.14E+01	1.15E+01	1.16E+01
1.90E+01	0.00E+00	1.13E+01	5.64E+00	4.58E+00	1.08E+01	1.12E+01	1.12E+01	1.13E+01



2.01E+01 0.00E+00 1.10E+01 5.47E+00 4.45E+00 1.05E+01 1.09E+01 1.10E+01 1.10E+01



2.13E+01 0.00E+00 1.07E+01 5.28E+00 4.30E+00 1.02E+01 1.06E+01 1.07E+01 1.07E+01



2.25E+01 0.00E+00 1.04E+01 5.10E+00 4.16E+00 9.88E+00 1.02E+01 1.03E+01 1.04E+01



2.38E+01	0.00E+00	1.01E+01	4.91E+00	4.02E+00	9.55E+00	9.92E+00	1.00E+01	1.00E+01
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2.52E+01	0.00E+00	9.73E+00	4.72E+00	3.88E+00	9.21E+00	9.59E+00	9.69E+00	9.71E+00
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2.67E+01 0.00E+00 9.40E+00 4.53E+00 3.72E+00 8.86E+00 9.25E+00 9.36E+00 9.38E+00



2.82E+01	0.00E+00	9.05E+00	4.33E+00	3.57E+00	8.51E+00	8.90E+00	9.01E+00	9.04E+00
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2.99E+01	0.00E+00	8.71E+00	4.14E+00	3.42E+00	8.16E+00	8.55E+00	8.66E+00	8.68E+00
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3.00E+01 0.00E+00 8.68E+00 4.12E+00 3.41E+00 8.13E+00 8.52E+00 8.63E+00 8.66E+00



3.16E+01 0.00E+00 8.35E+00 3.94E+00 3.26E+00 7.80E+00 8.16E+00 8.30E+00 8.33E+00



3.35E+01 0.00E+00 8.00E+00 3.74E+00 3.09E+00 7.42E+00 7.80E+00 7.94E+00 7.97E+00



3.54E+01 0.00E+00 7.63E+00 3.54E+00 2.94E+00 7.04E+00 7.44E+00 7.58E+00 7.61E+00



3.75E+01 0.00E+00 7.27E+00 3.34E+00 2.76E+00 6.67E+00 7.07E+00 7.21E+00 7.24E+00



3.97E+01 0.00E+00 6.90E+00 3.14E+00 2.60E+00 6.30E+00 6.71E+00 6.85E+00 6.87E+00



4.20E+01 0.00E+00 6.53E+00 2.94E+00 2.44E+00 5.93E+00 6.34E+00 6.48E+00 6.50E+00



4.44E+01	0.00E+00	6.16E+00	2.75E+00	2.27E+00	5.57E+00	5.97E+00	6.11E+00	6.13E+00
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4.70E+01 0.00E+00 5.79E+00 2.56E+00 2.10E+00 5.21E+00 5.60E+00 5.74E+00 5.77E+00



4.97E+01 0.00E+00 5.43E+00 2.37E+00 1.95E+00 4.84E+00 5.24E+00 5.37E+00 5.40E+00



5.26E+01 0.00E+00 5.06E+00 2.19E+00 1.80E+00 4.48E+00 4.88E+00 5.01E+00 5.04E+00



5.57E+01 0.00E+00 4.71E+00 2.01E+00 1.66E+00 4.13E+00 4.53E+00 4.66E+00 4.68E+00



5.90E+01 0.00E+00 4.36E+00 1.84E+00 1.52E+00 3.81E+00 4.18E+00 4.31E+00 4.33E+00



6.24E+01 0.00E+00 4.02E+00 1.67E+00 1.38E+00 3.48E+00 3.85E+00 3.97E+00 3.99E+00



6.60E+01 0.00E+00 3.68E+00 1.52E+00 1.25E+00 3.17E+00 3.52E+00 3.64E+00 3.66E+00



6.99E+01 0.00E+00 3.36E+00 1.36E+00 1.12E+00 2.87E+00 3.20E+00 3.32E+00 3.34E+00



7.39E+01	0.00E+00	3.05E+00	1.22E+00	9.99E-01	2.60E+00	2.90E+00	3.01E+00	3.03E+00
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7.82E+01 0.00E+00 2.75E+00 1.08E+00 8.89E-01 2.33E+00 2.61E+00 2.71E+00 2.73E+00



8.28E+01 0.00E+00 2.47E+00 9.57E-01 7.91E-01 2.07E+00 2.33E+00 2.43E+00 2.45E+00



8.76E+01 0.00E+00 2.20E+00 8.39E-01 6.91E-01 1.82E+00 2.06E+00 2.16E+00 2.18E+00



9.27E+01 0.00E+00 1.95E+00 7.30E-01 5.94E-01 1.59E+00 1.82E+00 1.91E+00 1.93E+00



9.81E+01 0.00E+00 1.71E+00 6.29E-01 5.17E-01 1.36E+00 1.59E+00 1.68E+00 1.70E+00



1.00E+02 0.00E+00 1.64E+00 5.98E-01 4.91E-01 1.29E+00 1.52E+00 1.61E+00 1.62E+00



1.04E+02 0.00E+00 1.50E+00 5.38E-01 4.44E-01 1.17E+00 1.39E+00 1.47E+00 1.48E+00



1.10E+02 0.00E+00 1.30E+00 4.56E-01 3.74E-01 1.00E+00 1.19E+00 1.27E+00 1.28E+00



1.16E+02 0.00E+00 1.11E+00 3.83E-01 3.13E-01 8.56E-01 1.02E+00 1.09E+00 1.10E+00



1.23E+02 0.00E+00 9.47E-01 3.18E-01 2.57E-01 7.16E-01 8.61E-01 9.24E-01 9.36E-01



1.30E+02    0.00E+00    7.98E-01    2.62E-01    2.10E-01    5.91E-01    7.21E-01    7.78E-01    7.89E-01



1.38E+02 0.00E+00 6.66E-01 2.13E-01 1.71E-01 4.81E-01 5.89E-01 6.49E-01 6.58E-01



1.46E+02	0.00E+00	5.50E-01	1.71E-01	1.37E-01	3.90E-01	4.83E-01	5.35E-01	5.43E-01
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1.54E+02 0.00E+00 4.50E-01 1.35E-01 1.08E-01 3.12E-01 3.89E-01 4.36E-01 4.43E-01



1.63E+02    0.00E+00    3.63E-01    1.06E-01    8.34E-02    2.45E-01    3.10E-01    3.52E-01    3.57E-01



1.73E+02    0.00E+00    2.89E-01    8.17E-02    6.46E-02    1.91E-01    2.45E-01    2.77E-01    2.85E-01



1.83E+02    0.00E+00    2.28E-01    6.21E-02    4.85E-02    1.44E-01    1.92E-01    2.18E-01    2.24E-01



1.94E+02 0.00E+00 1.77E-01 4.63E-02 3.57E-02 1.10E-01 1.43E-01 1.67E-01 1.73E-01



2.05E+02    0.00E+00    1.35E-01    3.40E-02    2.59E-02    8.24E-02    1.09E-01    1.27E-01    1.32E-01



2.17E+02    0.00E+00    1.02E-01    2.45E-02    1.84E-02    5.96E-02    8.09E-02    9.56E-02    9.95E-02



2.29E+02    0.00E+00    7.52E-02    1.73E-02    1.30E-02    4.36E-02    5.83E-02    7.05E-02    7.35E-02



2.43E+02 0.00E+00 5.47E-02 1.21E-02 9.01E-03 3.06E-02 4.18E-02 5.04E-02 5.35E-02



2.57E+02    0.00E+00    3.91E-02    8.22E-03    5.99E-03    2.14E-02    2.94E-02    3.55E-02    3.81E-02



2.72E+02 0.00E+00 2.74E-02 5.48E-03 3.71E-03 1.45E-02 2.02E-02 2.47E-02 2.67E-02



2.88E+02 0.00E+00 1.88E-02 3.59E-03 2.28E-03 9.55E-03 1.35E-02 1.69E-02 1.83E-02



3.00E+02 0.00E+00 1.40E-02 2.59E-03 1.60E-03 6.95E-03 9.71E-03 1.25E-02 1.36E-02



3.05E+02 0.00E+00 1.25E-02 2.29E-03 1.38E-03 6.20E-03 8.62E-03 1.12E-02 1.22E-02



3.22E+02 0.00E+00 8.21E-03 1.43E-03 8.03E-04 3.89E-03 5.40E-03 7.22E-03 7.94E-03



3.41E+02 0.00E+00 5.25E-03 8.67E-04 4.58E-04 2.39E-03 3.31E-03 4.39E-03 5.06E-03



3.61E+02 0.00E+00 3.27E-03 5.12E-04 2.46E-04 1.45E-03 2.02E-03 2.66E-03 3.15E-03



3.82E+02 0.00E+00 1.98E-03 2.94E-04 1.26E-04 8.74E-04 1.20E-03 1.58E-03 1.89E-03



4.04E+02 0.00E+00 1.17E-03 1.63E-04 6.21E-05 4.81E-04 6.64E-04 8.83E-04 1.11E-03



4.28E+02 0.00E+00 6.66E-04 8.78E-05 2.81E-05 2.64E-04 3.64E-04 4.96E-04 6.31E-04



4.53E+02 0.00E+00 3.68E-04 4.60E-05 1.38E-05 1.39E-04 1.95E-04 2.64E-04 3.48E-04



4.79E+02 0.00E+00 1.96E-04 2.30E-05 6.35E-06 6.66E-05 1.02E-04 1.34E-04 1.79E-04



5.07E+02    0.00E+00    1.01E-04    1.10E-05    2.39E-06    3.08E-05    5.12E-05    6.60E-05    9.14E-05



5.36E+02 0.00E+00 5.00E-05 5.05E-06 9.43E-07 1.45E-05 2.42E-05 3.09E-05 4.37E-05



5.68E+02	0.00E+00	2.37E-05	2.24E-06	3.43E-07	6.54E-06	1.14E-05	1.45E-05	1.96E-05
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6.01E+02 0.00E+00 1.08E-05 9.47E-07 1.17E-07 2.90E-06 4.75E-06 6.07E-06 8.87E-06



6.36E+02    0.00E+00    4.69E-06    3.83E-07    4.05E-08    1.24E-06    1.99E-06    2.39E-06    3.84E-06



6.73E+02 0.00E+00 1.94E-06 1.46E-07 1.40E-08 4.99E-07 7.53E-07 9.62E-07 1.55E-06



7.12E+02    0.00E+00    7.63E-07    5.30E-08    4.45E-09    1.87E-07    2.77E-07    3.70E-07    5.99E-07



7.53E+02    0.00E+00    2.84E-07    1.82E-08    1.34E-09    6.58E-08    9.65E-08    1.33E-07    2.07E-07



7.97E+02    0.00E+00    9.98E-08    5.86E-09    3.90E-10    2.08E-08    3.29E-08    4.56E-08    6.52E-08



8.44E+02 0.00E+00 3.30E-08 1.78E-09 9.47E-11 6.49E-09 1.03E-08 1.48E-08 2.00E-08



8.93E+02	0.00E+00	1.02E-08	5.12E-10	2.33E-11	1.83E-09	3.14E-09	4.51E-09	6.18E-09
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9.45E+02    0.00E+00    2.96E-09    1.38E-10    5.41E-12    4.79E-10    8.37E-10    1.26E-09    1.79E-09



1.00E+03 0.00E+00 7.98E-10 3.46E-11 1.35E-12 1.23E-10 2.06E-10 3.08E-10 4.80E-10



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Probabilistic results summary : RESRAD Default Parameters

File : C:\USERS\DNF\DOCUMENTS\FT CALHOUN\RESRAD INPUT FILES\SOIL UNCERTAINTY ANALYSIS\FCS SOIL UNCERTAINTY ANALYSIS SR-90.RAD

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

Repetition	Time of peak mean dose	Peak mean dose
	Years	mrem/yr
1	0.000E+00	1.004E+01
2	0.000E+00	1.003E+01
3	0.000E+00	1.004E+01



Title : RESRAD Default Parameters  
Input File : FCS SOIL UNCERTAINTY ANALYSIS SR-90.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	2	-0.12	2	-0.04	14	0.01	14	0.00
Contaminated zone b parameter	16	-0.01	16	0.00	7	0.04	7	0.00
Evapotranspiration coefficient	11	-0.01	11	0.00	3	0.17	3	0.02
Wind Speed	15	-0.01	15	0.00	8	0.04	8	0.00
Runoff coefficient	5	-0.06	5	-0.02	4	0.09	4	0.01
Well pump intake depth	8	-0.04	8	-0.01	6	0.04	6	0.00
b Parameter of Unsaturated zone 1	3	-0.08	3	-0.02	15	-0.01	15	0.00
Mass loading for inhalation	4	0.06	4	0.02	17	-0.01	17	0.00
Indoor dust filtration factor	10	0.02	10	0.00	18	0.00	18	0.00
Depth of soil mixing layer	9	0.03	9	0.01	16	-0.01	16	0.00
Depth of roots	1	-0.96	1	-0.96	1	-0.99	1	-0.99
Wet weight crop yield of fruit, grain and non-leafy vegetables	14	-0.01	14	0.00	11	-0.02	11	0.00
Weathering removal constant of all vegetation	17	0.01	17	0.00	13	0.02	13	0.00
Wet foliar interception fraction of leafy vegetables	13	-0.01	13	0.00	12	-0.02	12	0.00
Humidity in air	12	0.01	12	0.00	9	0.03	9	0.00
Kd of Sr-90 in Contaminated Zone	6	0.04	6	0.01	2	0.28	2	0.03
Kd of Sr-90 in Unsaturated Zone 1	7	0.04	7	0.01	5	0.05	5	0.01
Kd of Sr-90 in Saturated Zone	18	0.00	18	0.00	10	0.03	10	0.00

R-SQUARE	0.92	0.92	0.99	0.99
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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 SOIL UNCERTAINTY ANALYSIS SR-90.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	3	-0.11	3	-0.03	15	-0.03	15	0.00
Contaminated zone b parameter	10	-0.04	10	-0.01	18	0.00	18	0.00
Evapotranspiration coefficient	9	0.04	9	0.01	3	0.13	3	0.01
Wind Speed	16	-0.02	16	0.00	8	0.06	8	0.01
Runoff coefficient	8	0.05	8	0.01	6	0.08	6	0.01
Well pump intake depth	4	-0.10	5	-0.03	16	-0.02	16	0.00
b Parameter of Unsaturated zone 1	6	-0.09	6	-0.03	14	0.03	14	0.00
Mass loading for inhalation	2	0.11	2	0.03	7	0.06	7	0.01
Indoor dust filtration factor	5	0.10	4	0.03	10	0.06	10	0.01
Depth of soil mixing layer	15	-0.02	15	0.00	5	-0.10	5	-0.01
Depth of roots	1	-0.96	1	-0.96	1	-0.99	1	-0.99
Wet weight crop yield of fruit, grain and non-leafy vegetables	17	0.00	17	0.00	4	0.11	4	0.01
Weathering removal constant of all vegetation	7	0.07	7	0.02	12	0.04	12	0.00
Wet foliar interception fraction of leafy vegetables	11	0.04	11	0.01	11	0.05	11	0.00
Humidity in air	13	0.02	13	0.01	9	-0.06	9	-0.01
Kd of Sr-90 in Contaminated Zone	18	0.00	18	0.00	2	0.33	2	0.04
Kd of Sr-90 in Unsaturated Zone 1	12	-0.03	12	-0.01	17	-0.01	17	0.00
Kd of Sr-90 in Saturated Zone	14	0.02	14	0.01	13	0.04	13	0.00

R-SQUARE	0.92	0.92	0.99	0.99
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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 SOIL UNCERTAINTY ANALYSIS SR-90.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	9	-0.04	9	-0.01	10	0.02	10	0.00
Contaminated zone b parameter	6	-0.05	6	-0.02	12	-0.02	12	0.00
Evapotranspiration coefficient	18	0.00	18	0.00	3	0.14	3	0.02
Wind Speed	8	-0.05	8	-0.01	5	-0.09	5	-0.01
Runoff coefficient	2	-0.09	2	-0.03	13	0.01	13	0.00
Well pump intake depth	4	0.07	4	0.02	7	0.06	7	0.01
b Parameter of Unsaturated zone 1	14	0.02	14	0.01	8	0.04	8	0.00
Mass loading for inhalation	15	0.02	15	0.01	15	0.00	15	0.00
Indoor dust filtration factor	13	0.03	13	0.01	6	0.08	6	0.01
Depth of soil mixing layer	11	-0.03	11	-0.01	9	-0.03	9	0.00
Depth of roots	1	-0.96	1	-0.96	1	-0.99	1	-0.99
Wet weight crop yield of fruit, grain and non-leafy vegetables	17	0.01	17	0.00	11	-0.02	11	0.00
Weathering removal constant of all vegetation	7	-0.05	7	-0.02	14	0.01	14	0.00
Wet foliar interception fraction of leafy vegetables	10	-0.03	10	-0.01	18	0.00	18	0.00
Humidity in air	16	0.02	16	0.00	4	-0.10	4	-0.01
Kd of Sr-90 in Contaminated Zone	3	0.08	3	0.02	2	0.32	2	0.04
Kd of Sr-90 in Unsaturated Zone 1	5	-0.07	5	-0.02	17	0.00	17	0.00
Kd of Sr-90 in Saturated Zone	12	0.03	12	0.01	16	0.00	16	0.00

R-SQUARE	0.92	0.92	0.99	0.99
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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.