

Probabilistic results summary : RESRAD Default Parameters

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Probabilistic Total Dose Summary

Nuclide (j)	Peak Time	Peak Dose	DOSE(j,t), mrem/yr							
		t=	0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
Tc-99										
Min	0.00E+00	3.95E-01	3.95E-01	1.96E-01	7.00E-02	3.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	2.31E+01	2.09E+00	2.09E+00	2.07E+00	2.02E+00	1.85E+00	1.46E+00	6.12E-01	6.42E-02	2.98E-04
Avg	3.49E-01	1.05E+00	1.04E+00	8.31E-01	6.06E-01	3.58E-01	7.49E-02	6.08E-03	2.12E-04	2.09E-07
Std	2.18E+00	4.96E-01	4.98E-01	4.27E-01	3.83E-01	2.93E-01	1.63E-01	3.48E-02	2.69E-03	7.71E-06
Tc-99										
Min	0.00E+00	3.95E-01	3.95E-01	1.96E-01	7.00E-02	3.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	2.31E+01	2.09E+00	2.09E+00	2.07E+00	2.02E+00	1.85E+00	1.46E+00	6.12E-01	6.42E-02	2.98E-04
Avg	3.49E-01	1.05E+00	1.04E+00	8.31E-01	6.06E-01	3.58E-01	7.49E-02	6.08E-03	2.12E-04	2.09E-07
Std	2.18E+00	4.96E-01	4.98E-01	4.27E-01	3.83E-01	2.93E-01	1.63E-01	3.48E-02	2.69E-03	7.71E-06

Tc-99 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
Tc-99									
Min		4.33E-05	2.01E-05	6.09E-06	3.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		1.73E-04	1.71E-04	1.67E-04	1.53E-04	1.20E-04	5.04E-05	5.27E-06	2.45E-08
Avg		9.75E-05	7.45E-05	5.05E-05	2.68E-05	5.81E-06	4.93E-07	1.74E-08	1.71E-11
Std		4.70E-05	3.72E-05	3.20E-05	2.36E-05	1.31E-05	2.85E-06	2.21E-07	6.32E-10
TOTAL									
Min		4.33E-05	2.01E-05	6.09E-06	3.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		1.73E-04	1.71E-04	1.67E-04	1.53E-04	1.20E-04	5.04E-05	5.27E-06	2.45E-08
Avg		9.75E-05	7.45E-05	5.05E-05	2.68E-05	5.81E-06	4.93E-07	1.74E-08	1.71E-11
Std		4.70E-05	3.72E-05	3.20E-05	2.36E-05	1.31E-05	2.85E-06	2.21E-07	6.32E-10

TOTAL 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
Tc-99									
Min		3.33E-05	8.87E-06	6.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		5.98E-05	5.94E-05	5.85E-05	5.54E-05	4.75E-05	2.78E-05	6.00E-06	2.80E-08
Avg		5.06E-05	3.68E-05	2.25E-05	8.18E-06	2.33E-06	3.69E-07	2.21E-08	3.40E-11
Std		5.88E-06	1.24E-05	1.56E-05	1.26E-05	6.87E-06	2.18E-06	2.71E-07	8.30E-10
TOTAL									
Min		3.33E-05	8.87E-06	6.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		5.98E-05	5.94E-05	5.85E-05	5.54E-05	4.75E-05	2.78E-05	6.00E-06	2.80E-08
Avg		5.06E-05	3.68E-05	2.25E-05	8.18E-06	2.33E-06	3.69E-07	2.21E-08	3.40E-11
Std		5.88E-06	1.24E-05	1.56E-05	1.26E-05	6.87E-06	2.18E-06	2.71E-07	8.30E-10

TOTAL 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
Tc-99									
Min		3.00E-10	2.67E-10	2.13E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		6.15E-07	4.68E-07	2.93E-07	2.16E-07	1.52E-07	8.12E-08	1.75E-08	8.18E-11
Avg		9.55E-08	6.96E-08	4.24E-08	1.52E-08	4.15E-09	6.22E-10	3.84E-11	5.77E-14
Std		5.95E-08	5.03E-08	4.23E-08	2.76E-08	1.36E-08	4.18E-09	5.61E-10	2.11E-12
ΣALL									
Min		3.00E-10	2.67E-10	2.13E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		6.15E-07	4.68E-07	2.93E-07	2.16E-07	1.52E-07	8.12E-08	1.75E-08	8.18E-11
Avg		9.55E-08	6.96E-08	4.24E-08	1.52E-08	4.15E-09	6.22E-10	3.84E-11	5.77E-14
Std		5.95E-08	5.03E-08	4.23E-08	2.76E-08	1.36E-08	4.18E-09	5.61E-10	2.11E-12

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
<hr/>									
Tc-99									
Min		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
<hr/>									
Tc-99									
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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Tc-99 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
Tc-99									
Min		2.70E-01	8.17E-02	6.89E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		1.78E+00	1.75E+00	1.71E+00	1.57E+00	1.22E+00	5.12E-01	5.30E-02	2.46E-04
Avg		8.55E-01	6.21E-01	3.75E-01	1.34E-01	3.58E-02	4.54E-03	1.71E-04	1.72E-07
Std		4.25E-01	3.76E-01	3.39E-01	2.34E-01	1.15E-01	2.78E-02	2.20E-03	6.35E-06
Tc-99									
Min		2.70E-01	8.17E-02	6.89E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		1.78E+00	1.75E+00	1.71E+00	1.57E+00	1.22E+00	5.12E-01	5.30E-02	2.46E-04
Avg		8.55E-01	6.21E-01	3.75E-01	1.34E-01	3.58E-02	4.54E-03	1.71E-04	1.72E-07
Std		4.25E-01	3.76E-01	3.39E-01	2.34E-01	1.15E-01	2.78E-02	2.20E-03	6.35E-06

Tc-99 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
Tc-99									
Min		6.58E-04	2.07E-04	1.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		3.75E-03	3.70E-03	3.61E-03	3.31E-03	2.58E-03	1.08E-03	1.13E-04	5.23E-07
Avg		1.88E-03	1.37E-03	8.19E-04	2.88E-04	7.63E-05	9.64E-06	3.64E-07	3.65E-10
Std		9.19E-04	8.00E-04	7.21E-04	4.98E-04	2.45E-04	5.88E-05	4.69E-06	1.35E-08
TOTAL									
Min		6.58E-04	2.07E-04	1.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		3.75E-03	3.70E-03	3.61E-03	3.31E-03	2.58E-03	1.08E-03	1.13E-04	5.23E-07
Avg		1.88E-03	1.37E-03	8.19E-04	2.88E-04	7.63E-05	9.64E-06	3.64E-07	3.65E-10
Std		9.19E-04	8.00E-04	7.21E-04	4.98E-04	2.45E-04	5.88E-05	4.69E-06	1.35E-08

TOTAL is total pathway dose summed for all nuclides.

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

Nuclide		DOSE(i,j,t), mrem/yr							
(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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Tc-99									
Min		5.19E-02	1.61E-02	1.37E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		3.12E-01	3.09E-01	3.01E-01	2.76E-01	2.15E-01	9.00E-02	9.34E-03	4.34E-05
Avg		1.54E-01	1.12E-01	6.74E-02	2.38E-02	6.33E-03	8.00E-04	3.02E-05	3.03E-08
Std		7.59E-02	6.65E-02	5.99E-02	4.14E-02	2.03E-02	4.89E-03	3.89E-04	1.12E-06
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ΣALL									
Min		5.19E-02	1.61E-02	1.37E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		3.12E-01	3.09E-01	3.01E-01	2.76E-01	2.15E-01	9.00E-02	9.34E-03	4.34E-05
Avg		1.54E-01	1.12E-01	6.74E-02	2.38E-02	6.33E-03	8.00E-04	3.02E-05	3.03E-08
Std		7.59E-02	6.65E-02	5.99E-02	4.14E-02	2.03E-02	4.89E-03	3.89E-04	1.12E-06
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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
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Tc-99									
Min		1.16E-05	3.08E-06	2.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		2.08E-05	2.06E-05	2.03E-05	1.92E-05	1.65E-05	9.64E-06	2.08E-06	9.71E-09
Avg		1.75E-05	1.28E-05	7.80E-06	2.83E-06	8.07E-07	1.28E-07	7.30E-09	7.35E-12
Std		2.04E-06	4.31E-06	5.41E-06	4.36E-06	2.38E-06	7.56E-07	9.25E-08	2.52E-10
TOTAL									
Min		1.16E-05	3.08E-06	2.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		2.08E-05	2.06E-05	2.03E-05	1.92E-05	1.65E-05	9.64E-06	2.08E-06	9.71E-09
Avg		1.75E-05	1.28E-05	7.80E-06	2.83E-06	8.07E-07	1.28E-07	7.30E-09	7.35E-12
Std		2.04E-06	4.31E-06	5.41E-06	4.36E-06	2.38E-06	7.56E-07	9.25E-08	2.52E-10
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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
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Tc-99									
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		2.81E-01	6.03E-01	7.90E-01	7.77E-01	3.47E-01	2.56E-02	1.40E-03	5.37E-06
Avg		2.29E-02	6.46E-02	1.08E-01	1.33E-01	2.15E-02	4.81E-04	6.73E-06	3.99E-09
Std		3.09E-02	7.71E-02	1.15E-01	1.10E-01	3.72E-02	2.22E-03	6.83E-05	1.39E-07
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		2.81E-01	6.03E-01	7.90E-01	7.77E-01	3.47E-01	2.56E-02	1.40E-03	5.37E-06
Avg		2.29E-02	6.46E-02	1.08E-01	1.33E-01	2.15E-02	4.81E-04	6.73E-06	3.99E-09
Std		3.09E-02	7.71E-02	1.15E-01	1.10E-01	3.72E-02	2.22E-03	6.83E-05	1.39E-07
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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/>									
Tc-99									
Min		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
<hr/>									
Tc-99									
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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Tc-99 is total pathway dose summed for all nuclides.

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

Nuclide		DOSE(i,j,t), mrem/yr							
(j)	t=	0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
<hr/>									
Tc-99									
Min		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
<hr/>									
Tc-99									
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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Tc-99 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 TC-99.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/>									
Tc-99									
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		9.53E-02	2.18E-01	3.26E-01	4.97E-01	1.55E-01	1.10E-02	6.66E-04	2.35E-06
Avg		8.20E-03	2.43E-02	4.14E-02	5.13E-02	8.51E-03	1.94E-04	2.73E-06	1.74E-09
Std		1.11E-02	2.92E-02	4.48E-02	4.43E-02	1.49E-02	9.07E-04	2.87E-05	6.08E-08
<hr/>									
ALL									
Min		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		9.53E-02	2.18E-01	3.26E-01	4.97E-01	1.55E-01	1.10E-02	6.66E-04	2.35E-06
Avg		8.20E-03	2.43E-02	4.14E-02	5.13E-02	8.51E-03	1.94E-04	2.73E-06	1.74E-09
Std		1.11E-02	2.92E-02	4.48E-02	4.43E-02	1.49E-02	9.07E-04	2.87E-05	6.08E-08
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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 TC-99.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/>									
Tc-99									
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-04	1.16E-03	1.60E-03	1.76E-03	7.72E-04	5.38E-05	3.32E-06	1.09E-08
Avg		3.58E-05	1.19E-04	2.09E-04	2.60E-04	4.29E-05	9.41E-07	1.34E-08	8.18E-12
Std		4.93E-05	1.45E-04	2.25E-04	2.20E-04	7.48E-05	4.37E-06	1.41E-07	2.83E-10
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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		4.63E-04	1.16E-03	1.60E-03	1.76E-03	7.72E-04	5.38E-05	3.32E-06	1.09E-08
Avg		3.58E-05	1.19E-04	2.09E-04	2.60E-04	4.29E-05	9.41E-07	1.34E-08	8.18E-12
Std		4.93E-05	1.45E-04	2.25E-04	2.20E-04	7.48E-05	4.37E-06	1.41E-07	2.83E-10
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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 TC-99.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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Tc-99									
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		2.99E-02	7.16E-02	1.02E-01	1.17E-01	4.89E-02	3.37E-03	2.14E-04	6.72E-07
Avg		2.32E-03	7.33E-03	1.27E-02	1.57E-02	2.59E-03	5.68E-05	8.11E-07	5.03E-10
Std		3.20E-03	8.95E-03	1.38E-02	1.35E-02	4.57E-03	2.65E-04	8.69E-06	1.74E-08
<hr/>									
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		2.99E-02	7.16E-02	1.02E-01	1.17E-01	4.89E-02	3.37E-03	2.14E-04	6.72E-07
Avg		2.32E-03	7.33E-03	1.27E-02	1.57E-02	2.59E-03	5.68E-05	8.11E-07	5.03E-10
Std		3.20E-03	8.95E-03	1.38E-02	1.35E-02	4.57E-03	2.65E-04	8.69E-06	1.74E-08
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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 TC-99.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	4.64E-01	3.00E-01	1.50E-01	7.04E-02	3.33E-09	0.00E+00	0.00E+00	0.00E+00
0.050	4.87E-01	3.34E-01	1.79E-01	8.66E-02	7.04E-07	0.00E+00	0.00E+00	0.00E+00
0.075	5.03E-01	3.67E-01	2.00E-01	9.56E-02	2.94E-06	0.00E+00	0.00E+00	0.00E+00
0.100	5.18E-01	3.89E-01	2.21E-01	1.03E-01	1.16E-05	0.00E+00	0.00E+00	0.00E+00
0.125	5.34E-01	4.10E-01	2.41E-01	1.11E-01	4.28E-05	1.46E-28	0.00E+00	0.00E+00
0.150	5.46E-01	4.34E-01	2.60E-01	1.18E-01	8.09E-05	6.47E-27	0.00E+00	0.00E+00
0.175	5.65E-01	4.59E-01	2.80E-01	1.27E-01	1.25E-04	2.80E-25	0.00E+00	0.00E+00
0.200	5.82E-01	4.77E-01	2.97E-01	1.37E-01	2.10E-04	5.36E-24	0.00E+00	0.00E+00
0.225	5.97E-01	4.98E-01	3.12E-01	1.49E-01	3.18E-04	8.58E-23	0.00E+00	0.00E+00
0.250	6.17E-01	5.12E-01	3.25E-01	1.57E-01	5.39E-04	9.89E-22	0.00E+00	0.00E+00
0.275	6.35E-01	5.30E-01	3.44E-01	1.69E-01	7.61E-04	1.15E-20	0.00E+00	0.00E+00
0.300	6.60E-01	5.43E-01	3.59E-01	1.78E-01	1.04E-03	7.23E-20	0.00E+00	0.00E+00
0.325	6.82E-01	5.59E-01	3.77E-01	1.89E-01	1.44E-03	4.93E-19	0.00E+00	0.00E+00
0.350	7.02E-01	5.75E-01	3.98E-01	1.97E-01	2.07E-03	7.70E-18	0.00E+00	0.00E+00
0.375	7.18E-01	5.96E-01	4.14E-01	2.08E-01	2.55E-03	3.97E-17	0.00E+00	0.00E+00
0.400	7.43E-01	6.14E-01	4.36E-01	2.20E-01	3.16E-03	2.59E-16	0.00E+00	0.00E+00
0.425	7.73E-01	6.34E-01	4.53E-01	2.32E-01	4.13E-03	2.32E-15	0.00E+00	0.00E+00
0.450	8.05E-01	6.55E-01	4.69E-01	2.45E-01	5.48E-03	1.15E-14	0.00E+00	0.00E+00
0.475	8.37E-01	6.78E-01	4.89E-01	2.53E-01	7.02E-03	4.69E-14	0.00E+00	0.00E+00
0.500	8.69E-01	7.00E-01	5.05E-01	2.64E-01	9.47E-03	2.74E-13	0.00E+00	0.00E+00
0.525	9.12E-01	7.27E-01	5.21E-01	2.81E-01	1.18E-02	1.19E-12	0.00E+00	0.00E+00
0.550	9.56E-01	7.49E-01	5.45E-01	3.01E-01	1.40E-02	4.60E-12	0.00E+00	0.00E+00
0.575	9.99E-01	7.79E-01	5.59E-01	3.16E-01	1.78E-02	2.33E-11	0.00E+00	0.00E+00
0.600	1.04E+00	8.20E-01	5.83E-01	3.28E-01	2.06E-02	1.06E-10	0.00E+00	0.00E+00
0.625	1.10E+00	8.47E-01	6.15E-01	3.47E-01	2.53E-02	3.95E-10	0.00E+00	0.00E+00
0.650	1.16E+00	8.95E-01	6.41E-01	3.70E-01	3.21E-02	1.70E-09	0.00E+00	0.00E+00
0.675	1.24E+00	9.28E-01	6.68E-01	3.92E-01	4.07E-02	8.88E-09	0.00E+00	0.00E+00
0.700	1.31E+00	9.63E-01	6.99E-01	4.16E-01	4.91E-02	2.76E-08	6.75E-30	0.00E+00
0.725	1.40E+00	1.02E+00	7.43E-01	4.34E-01	5.72E-02	1.01E-07	2.67E-27	0.00E+00
0.750	1.47E+00	1.08E+00	7.73E-01	4.68E-01	6.86E-02	3.49E-07	4.34E-25	0.00E+00
0.775	1.53E+00	1.12E+00	8.06E-01	5.01E-01	7.90E-02	1.64E-06	9.24E-23	0.00E+00
0.800	1.61E+00	1.19E+00	8.61E-01	5.28E-01	9.53E-02	4.80E-06	1.76E-20	0.00E+00
0.825	1.68E+00	1.26E+00	9.28E-01	5.63E-01	1.16E-01	2.12E-05	7.78E-18	0.00E+00
0.850	1.74E+00	1.32E+00	1.00E+00	6.07E-01	1.41E-01	7.23E-05	9.71E-16	0.00E+00
0.875	1.79E+00	1.40E+00	1.06E+00	6.50E-01	1.72E-01	2.67E-04	2.17E-13	0.00E+00
0.900	1.85E+00	1.51E+00	1.16E+00	7.01E-01	2.29E-01	1.01E-03	1.56E-11	0.00E+00
0.925	1.91E+00	1.62E+00	1.26E+00	8.07E-01	2.82E-01	4.52E-03	3.06E-09	0.00E+00
0.950	1.97E+00	1.75E+00	1.44E+00	9.45E-01	4.00E-01	1.50E-02	7.47E-07	0.00E+00
0.975	2.02E+00	1.88E+00	1.66E+00	1.22E+00	5.62E-01	7.59E-02	1.11E-04	6.98E-24
1.000	2.09E+00	2.07E+00	2.02E+00	1.85E+00	1.46E+00	6.12E-01	6.42E-02	2.98E-04

Probabilistic results summary : RESRAD Default Parameters

File : C:\USERS\DNF\DOCUMENTS\FT CALHOUN\RESRAD INPUT FILES\SOIL UNCERTAINTY ANALYSIS\FCS SOIL UNCERTAINTY ANALYSIS TC-99.RAD

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	4.21E-01	2.09E+00	1.05E+00	8.59E-01	1.85E+00	1.95E+00	2.02E+00	2.07E+00
1.00E+00	2.38E-01	2.05E+00	8.34E-01	7.09E-01	1.52E+00	1.67E+00	1.87E+00	2.01E+00
1.06E+00	2.32E-01	2.04E+00	8.24E-01	6.96E-01	1.50E+00	1.66E+00	1.86E+00	2.01E+00
1.12E+00	2.25E-01	2.04E+00	8.14E-01	6.89E-01	1.48E+00	1.64E+00	1.85E+00	2.00E+00
1.19E+00	2.17E-01	2.04E+00	8.04E-01	6.79E-01	1.46E+00	1.63E+00	1.84E+00	2.00E+00
1.25E+00	2.08E-01	2.04E+00	7.94E-01	6.70E-01	1.44E+00	1.61E+00	1.83E+00	2.00E+00
1.33E+00	2.00E-01	2.03E+00	7.83E-01	6.59E-01	1.42E+00	1.60E+00	1.82E+00	1.99E+00
1.40E+00	1.91E-01	2.03E+00	7.72E-01	6.53E-01	1.40E+00	1.59E+00	1.81E+00	1.99E+00
1.49E+00	1.83E-01	2.03E+00	7.61E-01	6.39E-01	1.39E+00	1.58E+00	1.80E+00	1.98E+00
1.57E+00	1.75E-01	2.02E+00	7.50E-01	6.27E-01	1.39E+00	1.57E+00	1.79E+00	1.98E+00
1.66E+00	1.67E-01	2.02E+00	7.38E-01	6.16E-01	1.37E+00	1.55E+00	1.78E+00	1.97E+00
1.76E+00	1.60E-01	2.02E+00	7.26E-01	6.07E-01	1.34E+00	1.54E+00	1.78E+00	1.97E+00
1.86E+00	1.52E-01	2.01E+00	7.14E-01	6.07E-01	1.33E+00	1.53E+00	1.77E+00	1.96E+00
1.97E+00	1.45E-01	2.01E+00	7.02E-01	5.89E-01	1.30E+00	1.51E+00	1.76E+00	1.95E+00
2.09E+00	1.39E-01	2.00E+00	6.89E-01	5.80E-01	1.28E+00	1.48E+00	1.75E+00	1.95E+00
2.21E+00	1.32E-01	2.00E+00	6.77E-01	5.75E-01	1.25E+00	1.47E+00	1.73E+00	1.94E+00
2.34E+00	1.26E-01	1.99E+00	6.64E-01	5.66E-01	1.22E+00	1.46E+00	1.72E+00	1.93E+00
2.47E+00	1.21E-01	1.99E+00	6.52E-01	5.48E-01	1.21E+00	1.46E+00	1.71E+00	1.93E+00
2.62E+00	1.16E-01	1.98E+00	6.39E-01	5.37E-01	1.20E+00	1.44E+00	1.69E+00	1.92E+00
2.77E+00	1.11E-01	1.98E+00	6.26E-01	5.29E-01	1.17E+00	1.43E+00	1.67E+00	1.91E+00
2.93E+00	1.05E-01	1.97E+00	6.14E-01	5.19E-01	1.15E+00	1.41E+00	1.66E+00	1.90E+00
3.00E+00	1.03E-01	1.97E+00	6.09E-01	5.14E-01	1.14E+00	1.40E+00	1.65E+00	1.90E+00
3.10E+00	9.98E-02	1.97E+00	6.01E-01	5.10E-01	1.12E+00	1.39E+00	1.64E+00	1.89E+00
3.28E+00	9.39E-02	1.96E+00	5.88E-01	5.00E-01	1.10E+00	1.37E+00	1.62E+00	1.88E+00
3.48E+00	8.73E-02	1.95E+00	5.76E-01	4.86E-01	1.07E+00	1.35E+00	1.59E+00	1.87E+00
3.68E+00	8.10E-02	1.95E+00	5.63E-01	4.73E-01	1.05E+00	1.33E+00	1.57E+00	1.86E+00
3.89E+00	7.14E-02	1.94E+00	5.50E-01	4.54E-01	1.03E+00	1.31E+00	1.55E+00	1.85E+00
4.12E+00	6.02E-02	1.93E+00	5.37E-01	4.51E-01	1.01E+00	1.29E+00	1.53E+00	1.84E+00
4.36E+00	5.01E-02	1.92E+00	5.25E-01	4.37E-01	9.97E-01	1.27E+00	1.50E+00	1.82E+00
4.61E+00	4.11E-02	1.91E+00	5.12E-01	4.25E-01	9.65E-01	1.24E+00	1.47E+00	1.81E+00
4.88E+00	3.32E-02	1.90E+00	5.00E-01	4.05E-01	9.46E-01	1.22E+00	1.45E+00	1.79E+00
5.17E+00	2.64E-02	1.89E+00	4.88E-01	3.94E-01	9.28E-01	1.19E+00	1.42E+00	1.78E+00
5.47E+00	2.08E-02	1.88E+00	4.76E-01	3.79E-01	9.19E-01	1.16E+00	1.40E+00	1.76E+00
5.78E+00	1.71E-02	1.87E+00	4.64E-01	3.62E-01	8.98E-01	1.12E+00	1.39E+00	1.75E+00
6.12E+00	1.53E-02	1.86E+00	4.52E-01	3.52E-01	8.83E-01	1.09E+00	1.37E+00	1.73E+00
6.48E+00	1.50E-02	1.85E+00	4.40E-01	3.37E-01	8.70E-01	1.07E+00	1.36E+00	1.71E+00
6.86E+00	1.50E-02	1.84E+00	4.29E-01	3.26E-01	8.61E-01	1.05E+00	1.34E+00	1.69E+00
7.26E+00	1.26E-02	1.82E+00	4.17E-01	3.15E-01	8.51E-01	1.02E+00	1.31E+00	1.67E+00
7.68E+00	7.21E-03	1.81E+00	4.05E-01	3.03E-01	8.24E-01	9.93E-01	1.29E+00	1.65E+00
8.13E+00	3.99E-03	1.79E+00	3.93E-01	2.91E-01	8.02E-01	9.72E-01	1.27E+00	1.63E+00
8.60E+00	2.13E-03	1.78E+00	3.82E-01	2.81E-01	7.65E-01	9.56E-01	1.25E+00	1.61E+00
9.10E+00	1.10E-03	1.76E+00	3.71E-01	2.72E-01	7.53E-01	9.28E-01	1.23E+00	1.59E+00
9.63E+00	5.44E-04	1.74E+00	3.60E-01	2.62E-01	7.25E-01	9.19E-01	1.21E+00	1.56E+00
1.00E+01	3.33E-04	1.73E+00	3.53E-01	2.58E-01	7.10E-01	9.07E-01	1.18E+00	1.55E+00
1.02E+01	2.59E-04	1.73E+00	3.49E-01	2.56E-01	7.03E-01	9.01E-01	1.16E+00	1.54E+00
1.08E+01	1.18E-04	1.71E+00	3.38E-01	2.47E-01	6.85E-01	8.98E-01	1.14E+00	1.51E+00
1.14E+01	5.14E-05	1.69E+00	3.27E-01	2.43E-01	6.66E-01	8.75E-01	1.11E+00	1.49E+00
1.21E+01	2.13E-05	1.67E+00	3.17E-01	2.37E-01	6.43E-01	8.27E-01	1.08E+00	1.46E+00
1.28E+01	8.41E-06	1.65E+00	3.07E-01	2.31E-01	6.36E-01	7.94E-01	1.05E+00	1.43E+00
1.35E+01	3.14E-06	1.63E+00	2.97E-01	2.22E-01	6.20E-01	7.85E-01	1.03E+00	1.40E+00
1.43E+01	7.81E-07	1.61E+00	2.88E-01	2.15E-01	5.92E-01	7.56E-01	9.94E-01	1.37E+00
1.51E+01	0.00E+00	1.59E+00	2.78E-01	2.10E-01	5.82E-01	7.37E-01	9.56E-01	1.33E+00
1.60E+01	0.00E+00	1.57E+00	2.70E-01	2.04E-01	5.53E-01	7.26E-01	9.21E-01	1.30E+00
1.70E+01	0.00E+00	1.55E+00	2.60E-01	1.97E-01	5.41E-01	7.17E-01	9.02E-01	1.27E+00
1.80E+01	0.00E+00	1.53E+00	2.46E-01	1.84E-01	5.26E-01	6.70E-01	8.82E-01	1.23E+00
1.90E+01	0.00E+00	1.50E+00	2.23E-01	1.59E-01	4.96E-01	6.47E-01	8.60E-01	1.19E+00

2.01E+01 0.00E+00 1.45E+00 1.97E-01 1.29E-01 4.63E-01 6.15E-01 8.13E-01 1.15E+00

2.13E+01 0.00E+00 1.41E+00 1.71E-01 9.80E-02 4.45E-01 5.88E-01 7.53E-01 1.11E+00

2.25E+01 0.00E+00 1.38E+00 1.49E-01 8.04E-02 3.84E-01 5.59E-01 7.12E-01 1.07E+00

2.38E+01 0.00E+00 1.35E+00 1.28E-01 5.89E-02 3.49E-01 5.37E-01 6.74E-01 1.03E+00

2.52E+01 0.00E+00 1.31E+00 1.11E-01 3.65E-02 3.09E-01 5.14E-01 6.44E-01 9.82E-01

2.67E+01 0.00E+00 1.27E+00 9.70E-02 2.49E-02 2.81E-01 4.46E-01 6.14E-01 9.38E-01

2.82E+01	0.00E+00	1.23E+00	8.49E-02	1.51E-02	2.59E-01	4.28E-01	5.83E-01	8.93E-01
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2.99E+01 0.00E+00 1.20E+00 7.48E-02 8.54E-03 2.21E-01 4.03E-01 5.52E-01 8.48E-01

3.00E+01	0.00E+00	1.19E+00	7.42E-02	8.27E-03	2.20E-01	3.99E-01	5.49E-01	8.45E-01
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3.16E+01	0.00E+00	1.16E+00	6.61E-02	4.58E-03	1.92E-01	3.69E-01	5.22E-01	8.03E-01
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3.35E+01 0.00E+00 1.12E+00 5.86E-02 2.68E-03 1.71E-01 3.44E-01 5.01E-01 7.58E-01

3.54E+01	0.00E+00	1.07E+00	5.19E-02	1.50E-03	1.37E-01	3.19E-01	4.80E-01	7.12E-01
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3.75E+01 0.00E+00 1.03E+00 4.61E-02 7.71E-04 1.16E-01 2.90E-01 4.57E-01 6.68E-01

3.97E+01 0.00E+00 9.89E-01 4.09E-02 3.84E-04 9.74E-02 2.57E-01 4.29E-01 6.23E-01

4.20E+01 0.00E+00 9.46E-01 3.65E-02 1.85E-04 8.10E-02 2.33E-01 3.94E-01 5.80E-01

4.44E+01 0.00E+00 9.02E-01 3.27E-02 8.36E-05 6.67E-02 2.11E-01 3.71E-01 5.37E-01

4.70E+01 0.00E+00 8.58E-01 2.91E-02 3.38E-05 5.65E-02 1.90E-01 3.51E-01 4.97E-01

4.97E+01 0.00E+00 8.13E-01 2.60E-02 1.28E-05 4.65E-02 1.70E-01 3.33E-01 4.61E-01

5.26E+01 0.00E+00 7.69E-01 2.32E-02 5.09E-06 3.83E-02 1.51E-01 3.18E-01 4.26E-01

5.57E+01 0.00E+00 7.24E-01 2.06E-02 1.62E-06 2.88E-02 1.33E-01 3.01E-01 3.92E-01

5.90E+01 0.00E+00 6.80E-01 1.83E-02 5.24E-07 2.27E-02 1.17E-01 2.84E-01 3.59E-01

6.24E+01 0.00E+00 6.36E-01 1.63E-02 1.77E-07 1.81E-02 1.02E-01 2.67E-01 3.27E-01

6.60E+01 0.00E+00 5.93E-01 1.45E-02 4.13E-08 1.43E-02 8.81E-02 2.45E-01 2.96E-01

6.99E+01 0.00E+00 5.50E-01 1.28E-02 1.18E-08 1.00E-02 7.63E-02 2.18E-01 2.77E-01

7.39E+01 0.00E+00 5.08E-01 1.13E-02 2.11E-09 7.40E-03 6.55E-02 1.88E-01 2.59E-01

7.82E+01	0.00E+00	4.68E-01	9.95E-03	3.67E-10	5.37E-03	5.36E-02	1.61E-01	2.34E-01
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8.28E+01	0.00E+00	4.28E-01	8.74E-03	8.18E-11	3.82E-03	4.44E-02	1.37E-01	2.21E-01
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8.76E+01	0.00E+00	3.90E-01	7.65E-03	1.62E-11	2.67E-03	3.64E-02	1.17E-01	2.08E-01
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9.27E+01 0.00E+00 3.53E-01 6.66E-03 1.81E-12 1.83E-03 2.95E-02 9.97E-02 1.91E-01

9.81E+01 0.00E+00 3.18E-01 5.79E-03 2.63E-13 1.16E-03 2.36E-02 8.42E-02 1.75E-01

1.00E+02 0.00E+00 3.06E-01 5.52E-03 1.13E-13 1.00E-03 2.19E-02 7.94E-02 1.70E-01

1.04E+02 0.00E+00 2.84E-01 5.01E-03 3.03E-14 7.54E-04 1.88E-02 7.04E-02 1.60E-01

1.10E+02 0.00E+00 2.53E-01 4.31E-03 3.81E-15 4.96E-04 1.50E-02 5.83E-02 1.45E-01

1.16E+02 0.00E+00 2.23E-01 3.69E-03 3.37E-16 3.15E-04 1.24E-02 4.77E-02 1.31E-01

1.23E+02 0.00E+00 1.94E-01 3.14E-03 2.78E-17 1.90E-04 9.37E-03 3.94E-02 1.17E-01

1.30E+02 0.00E+00 1.66E-01 2.65E-03 2.28E-18 1.07E-04 6.89E-03 3.22E-02 1.04E-01

1.38E+02 0.00E+00 1.40E-01 2.22E-03 1.62E-19 5.80E-05 4.95E-03 2.60E-02 9.20E-02

1.46E+02 0.00E+00 1.18E-01 1.85E-03 1.01E-20 3.14E-05 3.46E-03 2.08E-02 7.95E-02

1.54E+02 0.00E+00 1.00E-01 1.54E-03 4.51E-22 1.65E-05 2.45E-03 1.66E-02 6.49E-02

1.63E+02 0.00E+00 8.59E-02 1.26E-03 1.93E-23 8.29E-06 1.69E-03 1.46E-02 5.23E-02

1.73E+02 0.00E+00 7.28E-02 1.03E-03 4.59E-25 4.02E-06 1.15E-03 1.14E-02 4.40E-02

1.83E+02 0.00E+00 6.41E-02 8.35E-04 1.29E-26 1.87E-06 7.58E-04 8.47E-03 3.66E-02

1.94E+02 0.00E+00 5.60E-02 6.71E-04 1.29E-28 8.29E-07 4.88E-04 6.17E-03 3.00E-02

2.05E+02 0.00E+00 4.86E-02 5.36E-04 1.12E-30 3.51E-07 2.81E-04 4.41E-03 2.42E-02

2.17E+02 0.00E+00 4.17E-02 4.24E-04 0.00E+00 1.42E-07 6.95E-05 2.70E-03 1.91E-02

2.29E+02 0.00E+00 3.55E-02 3.33E-04 0.00E+00 2.90E-08 3.95E-05 1.85E-03 1.50E-02

2.43E+02 0.00E+00 2.99E-02 2.33E-04 0.00E+00 8.09E-09 2.17E-05 1.11E-03 1.10E-02

2.57E+02 0.00E+00 2.49E-02 1.75E-04 0.00E+00 1.60E-09 6.14E-06 7.06E-04 7.90E-03

2.72E+02 0.00E+00 2.05E-02 1.30E-04 0.00E+00 2.81E-10 3.03E-06 4.60E-04 5.38E-03

2.88E+02 0.00E+00 1.67E-02 9.41E-05 0.00E+00 5.78E-11 1.36E-06 2.92E-04 3.37E-03

3.00E+02 0.00E+00 1.42E-02 7.32E-05 0.00E+00 2.05E-11 6.61E-07 2.04E-04 2.20E-03

3.05E+02 0.00E+00 1.33E-02 6.67E-05 0.00E+00 1.26E-11 4.99E-07 1.78E-04 1.83E-03

3.22E+02 0.00E+00 1.05E-02 4.58E-05 0.00E+00 2.29E-12 1.41E-07 1.05E-04 1.25E-03

3.41E+02 0.00E+00 8.15E-03 3.06E-05 0.00E+00 3.47E-13 1.62E-08 5.75E-05 7.09E-04

3.61E+02 0.00E+00 6.20E-03 2.12E-05 0.00E+00 3.11E-14 4.58E-09 1.49E-05 4.35E-04

3.82E+02 0.00E+00 4.62E-03 1.49E-05 0.00E+00 1.95E-15 7.98E-10 7.66E-06 2.60E-04

4.04E+02	0.00E+00	3.36E-03	1.03E-05	0.00E+00	2.28E-16	2.19E-10	3.80E-06	1.51E-04
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4.28E+02	0.00E+00	2.38E-03	7.00E-06	0.00E+00	7.14E-18	5.57E-11	1.81E-06	8.45E-05
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4.53E+02 0.00E+00 1.63E-03 4.62E-06 0.00E+00 6.59E-19 1.32E-11 8.34E-07 4.57E-05

4.79E+02 0.00E+00 1.07E-03 2.95E-06 0.00E+00 4.92E-20 2.96E-12 3.68E-07 1.54E-05

5.07E+02	0.00E+00	6.73E-04	1.80E-06	0.00E+00	1.90E-21	6.08E-13	1.55E-07	1.71E-06
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5.36E+02 0.00E+00 3.93E-04 1.05E-06 0.00E+00 6.14E-23 8.15E-14 7.50E-09 7.64E-07

5.68E+02 0.00E+00 2.07E-04 5.57E-07 0.00E+00 1.99E-24 1.40E-14 2.24E-09 3.25E-07

6.01E+02 0.00E+00 8.87E-05 2.53E-07 0.00E+00 1.42E-26 2.00E-15 6.14E-10 1.32E-07

6.36E+02	0.00E+00	1.91E-05	7.61E-08	0.00E+00	4.86E-30	5.17E-18	1.58E-10	5.05E-08
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6.73E+02	0.00E+00	7.78E-06	1.77E-08	0.00E+00	0.00E+00	2.08E-19	1.64E-11	1.83E-08
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7.12E+02	0.00E+00	3.30E-06	7.46E-09	0.00E+00	0.00E+00	4.74E-22	1.44E-12	1.18E-09
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7.53E+02	0.00E+00	1.18E-06	2.71E-09	0.00E+00	0.00E+00	2.67E-23	2.93E-13	3.26E-10
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7.97E+02	0.00E+00	2.84E-07	6.95E-10	0.00E+00	0.00E+00	1.26E-24	5.43E-14	8.08E-11
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8.44E+02	0.00E+00	2.06E-08	4.70E-11	0.00E+00	0.00E+00	1.58E-27	9.09E-15	1.75E-11
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8.93E+02	0.00E+00	6.97E-09	1.47E-11	0.00E+00	0.00E+00	5.60E-30	5.67E-19	2.69E-12
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9.45E+02	0.00E+00	2.17E-09	4.44E-12	0.00E+00	0.00E+00	0.00E+00	4.76E-20	3.90E-13
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1.00E+03	0.00E+00	6.13E-10	1.23E-12	0.00E+00	0.00E+00	0.00E+00	3.44E-21	6.09E-14
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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	3.95E-01	2.09E+00	1.05E+00	8.74E-01	1.86E+00	1.96E+00	2.02E+00	2.06E+00
1.00E+00	1.96E-01	2.07E+00	8.34E-01	6.96E-01	1.52E+00	1.73E+00	1.88E+00	2.00E+00
1.06E+00	1.90E-01	2.07E+00	8.24E-01	6.89E-01	1.50E+00	1.72E+00	1.87E+00	1.99E+00
1.12E+00	1.84E-01	2.06E+00	8.14E-01	6.83E-01	1.48E+00	1.71E+00	1.86E+00	1.99E+00
1.19E+00	1.78E-01	2.06E+00	8.04E-01	6.73E-01	1.47E+00	1.69E+00	1.85E+00	1.99E+00
1.25E+00	1.72E-01	2.06E+00	7.94E-01	6.59E-01	1.45E+00	1.68E+00	1.84E+00	1.98E+00
1.33E+00	1.66E-01	2.06E+00	7.83E-01	6.49E-01	1.44E+00	1.67E+00	1.83E+00	1.98E+00
1.40E+00	1.60E-01	2.06E+00	7.72E-01	6.37E-01	1.42E+00	1.65E+00	1.82E+00	1.97E+00
1.49E+00	1.53E-01	2.05E+00	7.61E-01	6.32E-01	1.40E+00	1.64E+00	1.81E+00	1.97E+00
1.57E+00	1.47E-01	2.05E+00	7.50E-01	6.22E-01	1.38E+00	1.63E+00	1.80E+00	1.96E+00
1.66E+00	1.42E-01	2.05E+00	7.38E-01	6.14E-01	1.35E+00	1.62E+00	1.79E+00	1.95E+00
1.76E+00	1.36E-01	2.05E+00	7.26E-01	6.06E-01	1.33E+00	1.62E+00	1.78E+00	1.95E+00
1.86E+00	1.31E-01	2.05E+00	7.14E-01	5.91E-01	1.31E+00	1.60E+00	1.76E+00	1.94E+00
1.97E+00	1.26E-01	2.04E+00	7.02E-01	5.80E-01	1.29E+00	1.58E+00	1.75E+00	1.93E+00
2.09E+00	1.21E-01	2.04E+00	6.90E-01	5.70E-01	1.28E+00	1.56E+00	1.73E+00	1.93E+00
2.21E+00	1.17E-01	2.04E+00	6.77E-01	5.61E-01	1.25E+00	1.54E+00	1.72E+00	1.92E+00
2.34E+00	1.13E-01	2.03E+00	6.64E-01	5.50E-01	1.24E+00	1.52E+00	1.70E+00	1.91E+00
2.47E+00	1.09E-01	2.03E+00	6.52E-01	5.43E-01	1.23E+00	1.50E+00	1.68E+00	1.90E+00
2.62E+00	1.06E-01	2.03E+00	6.39E-01	5.29E-01	1.22E+00	1.47E+00	1.67E+00	1.89E+00
2.77E+00	1.03E-01	2.02E+00	6.26E-01	5.19E-01	1.22E+00	1.45E+00	1.65E+00	1.88E+00
2.93E+00	1.00E-01	2.02E+00	6.14E-01	5.09E-01	1.20E+00	1.42E+00	1.64E+00	1.87E+00
3.00E+00	9.93E-02	2.02E+00	6.09E-01	5.02E-01	1.20E+00	1.42E+00	1.63E+00	1.87E+00
3.10E+00	9.79E-02	2.01E+00	6.01E-01	4.95E-01	1.19E+00	1.40E+00	1.63E+00	1.86E+00
3.28E+00	9.58E-02	2.01E+00	5.88E-01	4.84E-01	1.17E+00	1.38E+00	1.61E+00	1.85E+00
3.48E+00	9.22E-02	2.01E+00	5.76E-01	4.78E-01	1.15E+00	1.36E+00	1.60E+00	1.84E+00
3.68E+00	8.47E-02	2.00E+00	5.63E-01	4.64E-01	1.12E+00	1.36E+00	1.58E+00	1.83E+00
3.89E+00	7.67E-02	2.00E+00	5.51E-01	4.51E-01	1.11E+00	1.35E+00	1.57E+00	1.81E+00
4.12E+00	6.94E-02	1.99E+00	5.38E-01	4.40E-01	1.08E+00	1.33E+00	1.55E+00	1.80E+00
4.36E+00	6.27E-02	1.98E+00	5.26E-01	4.24E-01	1.05E+00	1.31E+00	1.54E+00	1.79E+00
4.61E+00	5.67E-02	1.98E+00	5.14E-01	4.09E-01	1.02E+00	1.28E+00	1.53E+00	1.77E+00
4.88E+00	5.14E-02	1.97E+00	5.01E-01	3.96E-01	1.01E+00	1.26E+00	1.51E+00	1.75E+00
5.17E+00	4.67E-02	1.97E+00	4.89E-01	3.82E-01	9.84E-01	1.23E+00	1.49E+00	1.74E+00
5.47E+00	4.26E-02	1.96E+00	4.77E-01	3.70E-01	9.54E-01	1.20E+00	1.47E+00	1.72E+00
5.78E+00	3.90E-02	1.95E+00	4.66E-01	3.59E-01	9.12E-01	1.18E+00	1.45E+00	1.70E+00
6.12E+00	3.60E-02	1.94E+00	4.54E-01	3.46E-01	8.96E-01	1.15E+00	1.44E+00	1.68E+00
6.48E+00	3.34E-02	1.93E+00	4.42E-01	3.35E-01	8.75E-01	1.11E+00	1.42E+00	1.66E+00
6.86E+00	3.13E-02	1.93E+00	4.31E-01	3.24E-01	8.65E-01	1.08E+00	1.39E+00	1.64E+00
7.26E+00	2.96E-02	1.92E+00	4.19E-01	3.14E-01	8.45E-01	1.05E+00	1.37E+00	1.62E+00
7.68E+00	2.31E-02	1.91E+00	4.07E-01	3.06E-01	8.14E-01	1.02E+00	1.35E+00	1.60E+00
8.13E+00	1.41E-02	1.90E+00	3.96E-01	2.95E-01	7.83E-01	1.01E+00	1.34E+00	1.58E+00
8.60E+00	8.40E-03	1.89E+00	3.84E-01	2.89E-01	7.63E-01	9.85E-01	1.33E+00	1.55E+00
9.10E+00	4.84E-03	1.87E+00	3.73E-01	2.79E-01	7.25E-01	9.76E-01	1.31E+00	1.53E+00
9.63E+00	2.70E-03	1.86E+00	3.62E-01	2.66E-01	7.09E-01	9.57E-01	1.30E+00	1.50E+00
1.00E+01	1.79E-03	1.85E+00	3.55E-01	2.59E-01	7.00E-01	9.43E-01	1.28E+00	1.48E+00
1.02E+01	1.46E-03	1.85E+00	3.51E-01	2.56E-01	6.91E-01	9.36E-01	1.27E+00	1.47E+00
1.08E+01	7.57E-04	1.84E+00	3.41E-01	2.48E-01	6.66E-01	9.10E-01	1.25E+00	1.44E+00
1.14E+01	3.79E-04	1.82E+00	3.31E-01	2.45E-01	6.58E-01	8.76E-01	1.22E+00	1.41E+00
1.21E+01	1.82E-04	1.81E+00	3.20E-01	2.38E-01	6.43E-01	8.42E-01	1.19E+00	1.38E+00
1.28E+01	8.40E-05	1.79E+00	3.10E-01	2.33E-01	6.07E-01	8.21E-01	1.17E+00	1.35E+00
1.35E+01	3.70E-05	1.78E+00	3.01E-01	2.25E-01	6.00E-01	7.90E-01	1.14E+00	1.32E+00
1.43E+01	1.55E-05	1.76E+00	2.92E-01	2.22E-01	5.80E-01	7.77E-01	1.11E+00	1.30E+00
1.51E+01	6.20E-06	1.74E+00	2.83E-01	2.11E-01	5.62E-01	7.61E-01	1.08E+00	1.28E+00
1.60E+01	2.35E-06	1.72E+00	2.75E-01	2.07E-01	5.37E-01	7.35E-01	1.07E+00	1.27E+00
1.70E+01	8.40E-07	1.71E+00	2.66E-01	2.01E-01	5.28E-01	6.91E-01	1.06E+00	1.26E+00
1.80E+01	2.83E-07	1.69E+00	2.53E-01	1.88E-01	5.05E-01	6.74E-01	1.04E+00	1.26E+00
1.90E+01	8.94E-08	1.66E+00	2.29E-01	1.59E-01	4.80E-01	6.47E-01	9.80E-01	1.25E+00

2.01E+01 2.64E-08 1.64E+00 2.01E-01 1.27E-01 4.63E-01 6.25E-01 9.14E-01 1.24E+00

2.13E+01 7.28E-09 1.62E+00 1.75E-01 9.98E-02 4.40E-01 5.88E-01 8.59E-01 1.20E+00

2.25E+01 1.86E-09 1.60E+00 1.51E-01 7.53E-02 3.89E-01 5.46E-01 7.87E-01 1.16E+00

2.38E+01 4.39E-10 1.57E+00 1.31E-01 5.84E-02 3.56E-01 5.03E-01 7.28E-01 1.12E+00

2.52E+01 9.52E-11 1.55E+00 1.14E-01 3.91E-02 3.28E-01 4.76E-01 6.71E-01 1.08E+00

2.67E+01 1.89E-11 1.52E+00 1.00E-01 2.65E-02 3.00E-01 4.59E-01 6.35E-01 1.03E+00

2.82E+01 0.00E+00 1.49E+00 8.72E-02 1.71E-02 2.79E-01 4.40E-01 6.05E-01 9.46E-01

2.99E+01 0.00E+00 1.46E+00 7.61E-02 1.04E-02 2.51E-01 4.02E-01 5.91E-01 8.56E-01

3.00E+01 0.00E+00 1.46E+00 7.54E-02 1.01E-02 2.48E-01 4.01E-01 5.90E-01 8.50E-01

3.16E+01 0.00E+00 1.43E+00 6.69E-02 5.88E-03 2.23E-01 3.87E-01 5.73E-01 7.70E-01

3.35E+01 0.00E+00 1.40E+00 5.92E-02 3.07E-03 1.94E-01 3.48E-01 5.25E-01 6.88E-01

3.54E+01	0.00E+00	1.37E+00	5.26E-02	1.56E-03	1.72E-01	3.28E-01	4.89E-01	6.16E-01
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3.75E+01 0.00E+00 1.33E+00 4.67E-02 7.53E-04 1.51E-01 3.06E-01 4.65E-01 5.72E-01

3.97E+01	0.00E+00	1.30E+00	4.12E-02	3.38E-04	1.25E-01	2.77E-01	4.33E-01	5.35E-01
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4.20E+01	0.00E+00	1.26E+00	3.65E-02	1.56E-04	1.02E-01	2.39E-01	3.98E-01	5.23E-01
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4.44E+01 0.00E+00 1.22E+00 3.23E-02 7.24E-05 8.17E-02 2.01E-01 3.77E-01 5.12E-01

4.70E+01 0.00E+00 1.18E+00 2.88E-02 2.94E-05 6.93E-02 1.72E-01 3.64E-01 4.99E-01

4.97E+01 0.00E+00 1.15E+00 2.57E-02 1.22E-05 5.53E-02 1.55E-01 3.41E-01 4.87E-01

5.26E+01 0.00E+00 1.10E+00 2.31E-02 4.91E-06 4.40E-02 1.37E-01 3.10E-01 4.74E-01

5.57E+01	0.00E+00	1.06E+00	2.07E-02	1.71E-06	3.04E-02	1.18E-01	2.77E-01	4.36E-01
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5.90E+01 0.00E+00 1.02E+00 1.86E-02 5.77E-07 2.38E-02 1.02E-01 2.46E-01 3.93E-01

6.24E+01 0.00E+00 9.78E-01 1.66E-02 1.82E-07 2.08E-02 8.68E-02 2.16E-01 3.62E-01

6.60E+01	0.00E+00	9.35E-01	1.48E-02	5.28E-08	1.58E-02	7.33E-02	1.89E-01	3.21E-01
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6.99E+01 0.00E+00 8.91E-01 1.32E-02 1.26E-08 1.11E-02 6.13E-02 1.68E-01 3.01E-01

7.39E+01 0.00E+00 8.47E-01 1.18E-02 3.16E-09 8.43E-03 5.08E-02 1.50E-01 2.89E-01

7.82E+01 0.00E+00 8.03E-01 1.05E-02 7.37E-10 4.69E-03 4.16E-02 1.31E-01 2.77E-01

8.28E+01 0.00E+00 7.58E-01 9.35E-03 1.39E-10 3.38E-03 3.35E-02 1.13E-01 2.66E-01

8.76E+01 0.00E+00 7.14E-01 8.32E-03 2.52E-11 2.40E-03 2.67E-02 9.60E-02 2.54E-01

9.27E+01 0.00E+00 6.70E-01 7.39E-03 4.09E-12 1.67E-03 2.11E-02 8.19E-02 2.35E-01

9.81E+01 0.00E+00 6.26E-01 6.54E-03 4.39E-13 1.13E-03 1.64E-02 7.05E-02 2.17E-01

1.00E+02 0.00E+00 6.12E-01 6.28E-03 2.23E-13 9.91E-04 1.50E-02 6.69E-02 2.11E-01

1.04E+02 0.00E+00 5.83E-01 5.78E-03 5.40E-14 7.53E-04 1.26E-02 6.01E-02 1.98E-01

1.10E+02 0.00E+00 5.41E-01 5.10E-03 6.56E-15 4.89E-04 9.50E-03 4.76E-02 1.80E-01

1.16E+02 0.00E+00 4.99E-01 4.48E-03 7.11E-16 2.91E-04 7.06E-03 3.78E-02 1.63E-01

1.23E+02 0.00E+00 4.59E-01 3.93E-03 6.08E-17 1.56E-04 5.18E-03 3.03E-02 1.45E-01

1.30E+02 0.00E+00 4.20E-01 3.44E-03 3.75E-18 8.13E-05 3.81E-03 2.40E-02 1.32E-01

1.38E+02 0.00E+00 3.82E-01 3.01E-03 2.77E-19 4.07E-05 2.58E-03 1.87E-02 1.21E-01

1.46E+02 0.00E+00 3.45E-01 2.63E-03 1.82E-20 1.96E-05 1.78E-03 1.45E-02 1.09E-01

1.54E+02 0.00E+00 3.11E-01 2.29E-03 8.01E-22 8.92E-06 1.20E-03 1.12E-02 9.62E-02

1.63E+02 0.00E+00 2.78E-01 1.99E-03 3.41E-23 4.10E-06 8.11E-04 8.52E-03 8.02E-02

1.73E+02 0.00E+00 2.47E-01 1.71E-03 7.00E-25 1.79E-06 5.34E-04 6.36E-03 6.61E-02

1.83E+02 0.00E+00 2.18E-01 1.47E-03 1.95E-26 6.57E-07 3.43E-04 4.66E-03 5.38E-02

1.94E+02 0.00E+00 1.90E-01 1.26E-03 4.42E-28 2.61E-07 2.15E-04 3.34E-03 4.32E-02

2.05E+02 0.00E+00 1.64E-01 1.06E-03 5.97E-30 1.02E-07 1.31E-04 2.34E-03 3.42E-02

2.17E+02	0.00E+00	1.38E-01	8.90E-04	0.00E+00	3.78E-08	7.74E-05	1.60E-03	2.67E-02
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2.29E+02 0.00E+00 1.14E-01 7.37E-04 0.00E+00 8.51E-09 4.45E-05 1.07E-03 2.05E-02

2.43E+02 0.00E+00 9.40E-02 6.10E-04 0.00E+00 2.48E-09 2.47E-05 6.01E-04 1.55E-02

2.57E+02	0.00E+00	7.63E-02	5.07E-04	0.00E+00	6.74E-10	1.10E-05	3.88E-04	1.14E-02
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2.72E+02 0.00E+00 6.11E-02 4.18E-04 0.00E+00 1.64E-10 5.54E-06 2.27E-04 8.30E-03

2.88E+02 0.00E+00 5.25E-02 3.42E-04 0.00E+00 3.96E-11 2.51E-06 1.27E-04 5.88E-03

3.00E+02	0.00E+00	4.67E-02	2.93E-04	0.00E+00	1.24E-11	1.29E-06	8.24E-05	4.48E-03
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3.05E+02	0.00E+00	4.47E-02	2.77E-04	0.00E+00	8.16E-12	1.04E-06	7.14E-05	4.06E-03
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3.22E+02 0.00E+00 3.77E-02 2.23E-04 0.00E+00 1.52E-12 3.30E-07 4.05E-05 2.72E-03

3.41E+02 0.00E+00 3.15E-02 1.78E-04 0.00E+00 1.30E-13 9.87E-08 2.21E-05 1.76E-03

3.61E+02	0.00E+00	2.60E-02	1.40E-04	0.00E+00	4.55E-15	3.50E-08	1.16E-05	1.13E-03
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3.82E+02	0.00E+00	2.12E-02	1.09E-04	0.00E+00	4.12E-16	1.22E-08	5.77E-06	7.26E-04
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4.04E+02 0.00E+00 1.71E-02 8.40E-05 0.00E+00 3.26E-17 3.83E-09 2.68E-06 4.49E-04

4.28E+02 0.00E+00 1.35E-02 6.38E-05 0.00E+00 1.27E-18 1.08E-09 1.09E-06 2.65E-04

4.53E+02 0.00E+00 1.06E-02 4.78E-05 0.00E+00 3.87E-20 2.65E-10 3.93E-07 1.47E-04

4.79E+02 0.00E+00 8.14E-03 3.52E-05 0.00E+00 2.75E-21 5.11E-11 1.18E-07 7.53E-05

5.07E+02 0.00E+00 6.15E-03 2.56E-05 0.00E+00 1.84E-23 8.17E-12 3.30E-08 3.42E-05

5.36E+02	0.00E+00	4.56E-03	1.82E-05	0.00E+00	9.02E-26	1.45E-15	8.53E-09	1.21E-05
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5.68E+02 0.00E+00 3.31E-03 1.28E-05 0.00E+00 8.29E-28 2.43E-17 2.68E-09 4.02E-06

6.01E+02	0.00E+00	2.34E-03	8.72E-06	0.00E+00	0.00E+00	3.98E-19	3.97E-10	1.98E-06
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6.36E+02	0.00E+00	1.62E-03	5.81E-06	0.00E+00	0.00E+00	3.31E-20	9.87E-11	9.34E-07
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6.73E+02	0.00E+00	1.08E-03	3.76E-06	0.00E+00	0.00E+00	2.38E-21	1.22E-11	4.23E-07
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7.12E+02	0.00E+00	6.99E-04	2.39E-06	0.00E+00	0.00E+00	4.31E-24	1.55E-12	1.18E-08
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7.53E+02 0.00E+00 4.33E-04 1.46E-06 0.00E+00 0.00E+00 2.21E-26 6.67E-15 4.10E-09

7.97E+02	0.00E+00	2.55E-04	8.48E-07	0.00E+00	0.00E+00	6.08E-29	1.93E-16	1.34E-09
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8.44E+02	0.00E+00	1.40E-04	4.63E-07	0.00E+00	0.00E+00	0.00E+00	2.28E-17	4.10E-10
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8.93E+02	0.00E+00	6.94E-05	2.32E-07	0.00E+00	0.00E+00	0.00E+00	1.18E-19	2.80E-12
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9.45E+02	0.00E+00	2.86E-05	9.84E-08	0.00E+00	0.00E+00	0.00E+00	3.01E-21	6.14E-13
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1.00E+03	0.00E+00	6.91E-06	2.74E-08	0.00E+00	0.00E+00	0.00E+00	1.86E-22	1.23E-13
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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	3.98E-01	2.09E+00	1.04E+00	8.74E-01	1.87E+00	1.99E+00	2.02E+00	2.06E+00
1.00E+00	2.14E-01	2.06E+00	8.26E-01	6.87E-01	1.50E+00	1.79E+00	1.90E+00	1.99E+00
1.06E+00	2.05E-01	2.06E+00	8.16E-01	6.81E-01	1.48E+00	1.78E+00	1.89E+00	1.99E+00
1.12E+00	1.96E-01	2.06E+00	8.06E-01	6.73E-01	1.46E+00	1.77E+00	1.88E+00	1.98E+00
1.19E+00	1.86E-01	2.06E+00	7.96E-01	6.67E-01	1.45E+00	1.75E+00	1.88E+00	1.98E+00
1.25E+00	1.77E-01	2.06E+00	7.85E-01	6.64E-01	1.44E+00	1.75E+00	1.87E+00	1.97E+00
1.33E+00	1.68E-01	2.05E+00	7.75E-01	6.56E-01	1.43E+00	1.73E+00	1.86E+00	1.97E+00
1.40E+00	1.59E-01	2.05E+00	7.64E-01	6.47E-01	1.40E+00	1.72E+00	1.85E+00	1.96E+00
1.49E+00	1.51E-01	2.05E+00	7.53E-01	6.30E-01	1.39E+00	1.70E+00	1.84E+00	1.96E+00
1.57E+00	1.42E-01	2.05E+00	7.41E-01	6.16E-01	1.37E+00	1.69E+00	1.83E+00	1.95E+00
1.66E+00	1.34E-01	2.04E+00	7.29E-01	6.07E-01	1.35E+00	1.67E+00	1.82E+00	1.95E+00
1.76E+00	1.26E-01	2.04E+00	7.18E-01	5.95E-01	1.34E+00	1.66E+00	1.81E+00	1.94E+00
1.86E+00	1.19E-01	2.04E+00	7.06E-01	5.84E-01	1.31E+00	1.64E+00	1.79E+00	1.93E+00
1.97E+00	1.11E-01	2.04E+00	6.94E-01	5.70E-01	1.30E+00	1.63E+00	1.78E+00	1.93E+00
2.09E+00	1.04E-01	2.03E+00	6.81E-01	5.57E-01	1.29E+00	1.61E+00	1.77E+00	1.92E+00
2.21E+00	9.79E-02	2.03E+00	6.69E-01	5.45E-01	1.27E+00	1.59E+00	1.75E+00	1.91E+00
2.34E+00	9.18E-02	2.03E+00	6.57E-01	5.38E-01	1.25E+00	1.56E+00	1.74E+00	1.91E+00
2.47E+00	8.61E-02	2.02E+00	6.44E-01	5.28E-01	1.23E+00	1.54E+00	1.73E+00	1.90E+00
2.62E+00	8.08E-02	2.02E+00	6.32E-01	5.22E-01	1.21E+00	1.52E+00	1.72E+00	1.89E+00
2.77E+00	7.60E-02	2.02E+00	6.19E-01	5.12E-01	1.19E+00	1.50E+00	1.71E+00	1.88E+00
2.93E+00	7.17E-02	2.01E+00	6.07E-01	5.02E-01	1.18E+00	1.47E+00	1.70E+00	1.87E+00
3.00E+00	7.00E-02	2.01E+00	6.02E-01	5.00E-01	1.18E+00	1.46E+00	1.70E+00	1.86E+00
3.10E+00	6.77E-02	2.01E+00	5.95E-01	4.91E-01	1.17E+00	1.45E+00	1.69E+00	1.86E+00
3.28E+00	6.42E-02	2.00E+00	5.82E-01	4.81E-01	1.16E+00	1.42E+00	1.68E+00	1.85E+00
3.48E+00	6.11E-02	2.00E+00	5.70E-01	4.69E-01	1.14E+00	1.40E+00	1.67E+00	1.84E+00
3.68E+00	5.84E-02	1.99E+00	5.58E-01	4.48E-01	1.13E+00	1.39E+00	1.65E+00	1.82E+00
3.89E+00	5.60E-02	1.99E+00	5.46E-01	4.33E-01	1.14E+00	1.37E+00	1.64E+00	1.81E+00
4.12E+00	5.40E-02	1.98E+00	5.33E-01	4.23E-01	1.11E+00	1.36E+00	1.62E+00	1.80E+00
4.36E+00	5.23E-02	1.98E+00	5.21E-01	4.14E-01	1.08E+00	1.35E+00	1.61E+00	1.79E+00
4.61E+00	5.09E-02	1.97E+00	5.09E-01	4.04E-01	1.05E+00	1.33E+00	1.60E+00	1.77E+00
4.88E+00	4.97E-02	1.96E+00	4.97E-01	3.94E-01	1.03E+00	1.31E+00	1.59E+00	1.76E+00
5.17E+00	4.88E-02	1.96E+00	4.85E-01	3.88E-01	1.00E+00	1.28E+00	1.58E+00	1.74E+00
5.47E+00	4.81E-02	1.95E+00	4.74E-01	3.77E-01	9.68E-01	1.25E+00	1.57E+00	1.73E+00
5.78E+00	4.75E-02	1.94E+00	4.62E-01	3.59E-01	9.60E-01	1.25E+00	1.55E+00	1.71E+00
6.12E+00	4.70E-02	1.93E+00	4.51E-01	3.50E-01	9.24E-01	1.20E+00	1.53E+00	1.70E+00
6.48E+00	4.05E-02	1.92E+00	4.40E-01	3.43E-01	9.07E-01	1.18E+00	1.52E+00	1.68E+00
6.86E+00	2.90E-02	1.91E+00	4.30E-01	3.37E-01	8.81E-01	1.17E+00	1.50E+00	1.66E+00
7.26E+00	2.35E-02	1.91E+00	4.20E-01	3.28E-01	8.55E-01	1.14E+00	1.48E+00	1.64E+00
7.68E+00	1.52E-02	1.90E+00	4.11E-01	3.21E-01	8.19E-01	1.10E+00	1.45E+00	1.62E+00
8.13E+00	9.65E-03	1.88E+00	4.01E-01	3.14E-01	7.89E-01	1.08E+00	1.43E+00	1.60E+00
8.60E+00	5.94E-03	1.87E+00	3.92E-01	3.03E-01	7.68E-01	1.06E+00	1.36E+00	1.58E+00
9.10E+00	3.56E-03	1.86E+00	3.82E-01	2.92E-01	7.60E-01	1.04E+00	1.31E+00	1.55E+00
9.63E+00	2.07E-03	1.85E+00	3.73E-01	2.85E-01	7.29E-01	1.02E+00	1.31E+00	1.53E+00
1.00E+01	1.42E-03	1.84E+00	3.67E-01	2.79E-01	7.15E-01	1.01E+00	1.31E+00	1.53E+00
1.02E+01	1.17E-03	1.84E+00	3.64E-01	2.78E-01	7.02E-01	1.00E+00	1.31E+00	1.52E+00
1.08E+01	6.36E-04	1.82E+00	3.54E-01	2.61E-01	6.72E-01	9.82E-01	1.31E+00	1.51E+00
1.14E+01	3.34E-04	1.81E+00	3.43E-01	2.54E-01	6.51E-01	9.60E-01	1.29E+00	1.48E+00
1.21E+01	1.69E-04	1.79E+00	3.34E-01	2.51E-01	6.47E-01	9.35E-01	1.27E+00	1.46E+00
1.28E+01	8.25E-05	1.78E+00	3.24E-01	2.42E-01	6.46E-01	8.83E-01	1.25E+00	1.43E+00
1.35E+01	3.85E-05	1.76E+00	3.14E-01	2.34E-01	6.26E-01	8.35E-01	1.23E+00	1.41E+00
1.43E+01	1.72E-05	1.74E+00	3.04E-01	2.27E-01	6.13E-01	7.95E-01	1.22E+00	1.38E+00
1.51E+01	7.33E-06	1.73E+00	2.94E-01	2.19E-01	5.80E-01	7.52E-01	1.16E+00	1.35E+00
1.60E+01	2.88E-06	1.71E+00	2.84E-01	2.11E-01	5.67E-01	7.16E-01	1.06E+00	1.33E+00
1.70E+01	1.01E-06	1.69E+00	2.73E-01	2.09E-01	5.54E-01	6.95E-01	9.91E-01	1.31E+00
1.80E+01	3.30E-07	1.67E+00	2.60E-01	1.99E-01	5.37E-01	6.69E-01	9.57E-01	1.29E+00
1.90E+01	1.02E-07	1.64E+00	2.37E-01	1.72E-01	5.09E-01	6.56E-01	9.36E-01	1.27E+00

2.01E+01 2.92E-08 1.62E+00 2.08E-01 1.42E-01 4.73E-01 6.26E-01 9.10E-01 1.24E+00

2.13E+01 7.80E-09 1.60E+00 1.80E-01 1.12E-01 4.29E-01 5.98E-01 8.85E-01 1.19E+00

2.25E+01 0.00E+00 1.57E+00 1.55E-01 8.38E-02 4.01E-01 5.44E-01 8.58E-01 1.14E+00

2.38E+01 0.00E+00 1.55E+00 1.34E-01 6.27E-02 3.53E-01 5.22E-01 7.77E-01 1.09E+00

2.52E+01	0.00E+00	1.52E+00	1.15E-01	4.19E-02	3.22E-01	4.95E-01	7.29E-01	1.04E+00
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2.67E+01 0.00E+00 1.50E+00 9.99E-02 2.61E-02 2.90E-01 4.62E-01 6.80E-01 9.97E-01

2.82E+01	0.00E+00	1.47E+00	8.68E-02	1.53E-02	2.47E-01	4.27E-01	6.24E-01	9.55E-01
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2.99E+01	0.00E+00	1.44E+00	7.59E-02	9.83E-03	2.18E-01	4.12E-01	5.82E-01	9.13E-01
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3.00E+01	0.00E+00	1.43E+00	7.52E-02	9.45E-03	2.13E-01	4.11E-01	5.79E-01	9.10E-01
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3.16E+01 0.00E+00 1.40E+00 6.68E-02 5.40E-03 1.90E-01 3.79E-01 5.45E-01 8.70E-01

3.35E+01 0.00E+00 1.37E+00 5.91E-02 3.18E-03 1.64E-01 3.41E-01 5.09E-01 8.27E-01

3.54E+01 0.00E+00 1.33E+00 5.25E-02 1.72E-03 1.45E-01 3.13E-01 4.97E-01 7.84E-01

3.75E+01	0.00E+00	1.29E+00	4.67E-02	8.15E-04	1.18E-01	2.92E-01	4.84E-01	7.41E-01
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3.97E+01 0.00E+00 1.25E+00 4.16E-02 4.30E-04 9.74E-02 2.66E-01 4.66E-01 6.98E-01

4.20E+01 0.00E+00 1.21E+00 3.73E-02 1.96E-04 8.25E-02 2.34E-01 4.36E-01 6.55E-01

4.44E+01 0.00E+00 1.17E+00 3.36E-02 8.17E-05 7.15E-02 2.05E-01 4.06E-01 6.13E-01

4.70E+01 0.00E+00 1.13E+00 3.03E-02 3.34E-05 6.24E-02 1.88E-01 3.78E-01 5.71E-01

4.97E+01 0.00E+00 1.08E+00 2.71E-02 1.33E-05 5.96E-02 1.67E-01 3.51E-01 5.30E-01

5.26E+01	0.00E+00	1.04E+00	2.42E-02	4.78E-06	4.85E-02	1.35E-01	3.30E-01	4.89E-01
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5.57E+01	0.00E+00	9.97E-01	2.17E-02	1.69E-06	3.17E-02	1.17E-01	3.04E-01	4.50E-01
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5.90E+01 0.00E+00 9.53E-01 1.94E-02 5.78E-07 2.51E-02 1.01E-01 2.79E-01 4.12E-01

6.24E+01 0.00E+00 9.07E-01 1.73E-02 1.97E-07 1.96E-02 8.55E-02 2.54E-01 3.98E-01

6.60E+01 0.00E+00 8.62E-01 1.55E-02 5.58E-08 1.50E-02 6.78E-02 2.36E-01 3.67E-01

6.99E+01 0.00E+00 8.16E-01 1.38E-02 1.51E-08 1.15E-02 6.02E-02 2.14E-01 3.26E-01

7.39E+01 0.00E+00 7.71E-01 1.24E-02 3.88E-09 8.67E-03 4.98E-02 1.93E-01 2.88E-01

7.82E+01 0.00E+00 7.25E-01 1.09E-02 9.19E-10 6.39E-03 3.65E-02 1.74E-01 2.68E-01

8.28E+01 0.00E+00 6.80E-01 9.70E-03 1.93E-10 4.38E-03 2.95E-02 1.59E-01 2.53E-01

8.76E+01 0.00E+00 6.35E-01 8.60E-03 3.83E-11 3.10E-03 2.36E-02 1.41E-01 2.38E-01

9.27E+01 0.00E+00 5.91E-01 7.61E-03 7.12E-12 2.15E-03 1.85E-02 1.24E-01 2.24E-01

9.81E+01 0.00E+00 5.48E-01 6.72E-03 1.04E-12 1.46E-03 1.44E-02 1.08E-01 2.09E-01

1.00E+02 0.00E+00 5.33E-01 6.44E-03 5.68E-13 1.27E-03 1.32E-02 1.03E-01 2.04E-01

1.04E+02 0.00E+00 5.05E-01 5.91E-03 1.52E-13 9.64E-04 1.10E-02 9.39E-02 1.90E-01

1.10E+02 0.00E+00 4.64E-01 5.18E-03 1.79E-14 6.24E-04 8.27E-03 8.06E-02 1.64E-01

1.16E+02 0.00E+00 4.24E-01 4.53E-03 1.79E-15 3.42E-04 6.12E-03 6.84E-02 1.42E-01

1.23E+02 0.00E+00 3.85E-01 3.95E-03 1.82E-16 2.12E-04 4.43E-03 5.66E-02 1.21E-01

1.30E+02 0.00E+00 3.48E-01 3.43E-03 1.61E-17 1.26E-04 3.15E-03 4.62E-02 1.02E-01

1.38E+02 0.00E+00 3.13E-01 2.97E-03 8.24E-19 7.44E-05 2.25E-03 3.68E-02 8.54E-02

1.46E+02 0.00E+00 2.79E-01 2.56E-03 5.53E-20 4.31E-05 1.58E-03 2.94E-02 7.07E-02

1.54E+02 0.00E+00 2.48E-01 2.20E-03 3.18E-21 2.41E-05 1.09E-03 2.33E-02 5.79E-02

1.63E+02 0.00E+00 2.18E-01 1.88E-03 6.77E-23 1.30E-05 7.31E-04 1.81E-02 4.88E-02

1.73E+02 0.00E+00 1.91E-01 1.60E-03 2.64E-24 6.42E-06 4.69E-04 1.36E-02 4.09E-02

1.83E+02 0.00E+00 1.65E-01 1.36E-03 6.11E-26 2.85E-06 2.90E-04 1.00E-02 3.40E-02

1.94E+02 0.00E+00 1.45E-01 1.15E-03 1.62E-27 1.18E-06 1.74E-04 7.37E-03 2.79E-02

2.05E+02 0.00E+00 1.33E-01 9.64E-04 3.41E-29 4.43E-07 1.02E-04 5.32E-03 2.29E-02

2.17E+02 0.00E+00 1.22E-01 8.07E-04 0.00E+00 1.15E-07 5.77E-05 3.70E-03 1.86E-02

2.29E+02 0.00E+00 1.10E-01 6.73E-04 0.00E+00 4.13E-08 3.15E-05 2.49E-03 1.49E-02

2.43E+02 0.00E+00 9.96E-02 5.59E-04 0.00E+00 1.36E-08 1.66E-05 1.62E-03 1.18E-02

2.57E+02 0.00E+00 8.94E-02 4.63E-04 0.00E+00 4.36E-09 8.41E-06 1.01E-03 9.13E-03

2.72E+02 0.00E+00 7.97E-02 3.81E-04 0.00E+00 1.39E-09 3.77E-06 5.92E-04 6.95E-03

2.88E+02 0.00E+00 7.06E-02 3.13E-04 0.00E+00 2.92E-10 1.37E-06 3.20E-04 5.19E-03

3.00E+02 0.00E+00 6.42E-02 2.69E-04 0.00E+00 1.03E-10 7.58E-07 2.25E-04 4.12E-03

3.05E+02 0.00E+00 6.20E-02 2.54E-04 0.00E+00 4.52E-11 6.09E-07 1.97E-04 3.78E-03

3.22E+02	0.00E+00	5.42E-02	2.05E-04	0.00E+00	2.69E-12	2.57E-07	1.18E-04	2.68E-03
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3.41E+02 0.00E+00 4.69E-02 1.65E-04 0.00E+00 2.98E-13 9.37E-08 6.87E-05 1.84E-03

3.61E+02	0.00E+00	4.03E-02	1.32E-04	0.00E+00	2.55E-14	2.55E-08	3.88E-05	1.22E-03
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3.82E+02 0.00E+00 3.43E-02 1.05E-04 0.00E+00 1.14E-15 8.90E-09 2.11E-05 7.98E-04

4.04E+02	0.00E+00	2.89E-02	8.35E-05	0.00E+00	1.20E-17	6.92E-10	1.11E-05	5.17E-04
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4.28E+02 0.00E+00 2.41E-02 6.58E-05 0.00E+00 6.54E-19 1.65E-10 5.64E-06 3.26E-04

4.53E+02 0.00E+00 1.99E-02 5.16E-05 0.00E+00 5.45E-20 3.66E-11 2.75E-06 1.99E-04

4.79E+02 0.00E+00 1.63E-02 4.03E-05 0.00E+00 3.43E-21 6.17E-12 1.29E-06 1.17E-04

5.07E+02 0.00E+00 1.31E-02 3.12E-05 0.00E+00 2.03E-22 9.05E-13 3.59E-07 6.62E-05

5.36E+02 0.00E+00 1.05E-02 2.41E-05 0.00E+00 3.86E-24 4.82E-14 4.53E-08 3.57E-05

5.68E+02	0.00E+00	8.24E-03	1.84E-05	0.00E+00	3.50E-27	3.13E-16	3.26E-09	1.83E-05
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6.01E+02 0.00E+00 6.39E-03 1.39E-05 0.00E+00 1.43E-30 1.55E-17 9.41E-10 8.73E-06

6.36E+02	0.00E+00	4.88E-03	1.04E-05	0.00E+00	0.00E+00	1.40E-18	2.51E-10	3.83E-06
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6.73E+02	0.00E+00	3.68E-03	7.73E-06	0.00E+00	0.00E+00	1.05E-19	6.17E-11	1.47E-06
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7.12E+02	0.00E+00	2.72E-03	5.65E-06	0.00E+00	0.00E+00	1.80E-22	2.68E-12	4.43E-07
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7.53E+02 0.00E+00 1.98E-03 4.07E-06 0.00E+00 0.00E+00 8.17E-24 3.26E-13 1.88E-07

7.97E+02	0.00E+00	1.41E-03	2.88E-06	0.00E+00	0.00E+00	6.98E-27	2.03E-17	7.76E-08
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8.44E+02	0.00E+00	9.90E-04	2.00E-06	0.00E+00	0.00E+00	0.00E+00	1.45E-20	5.27E-09
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8.93E+02	0.00E+00	6.79E-04	1.37E-06	0.00E+00	0.00E+00	0.00E+00	2.12E-22	1.65E-09
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9.45E+02	0.00E+00	4.55E-04	9.16E-07	0.00E+00	0.00E+00	0.00E+00	1.09E-23	4.84E-10
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1.00E+03	0.00E+00	2.98E-04	5.99E-07	0.00E+00	0.00E+00	0.00E+00	4.65E-25	1.33E-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 TC-99.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	1.046E+00
2	0.000E+00	1.046E+00
3	0.000E+00	1.042E+00

Title : RESRAD Default Parameters
Input File : FCS SOIL UNCERTAINTY ANALYSIS TC-99.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	7	-0.07	7	-0.03	18	0.00	18	0.00
Contaminated zone b parameter	13	-0.02	13	-0.01	16	-0.01	16	0.00
Evapotranspiration coefficient	2	0.34	2	0.12	2	0.49	2	0.12
Wind Speed	9	0.04	9	0.01	14	0.02	14	0.00
Runoff coefficient	5	0.10	5	0.03	5	0.24	5	0.05
Well pump intake depth	3	-0.21	3	-0.07	3	-0.42	3	-0.10
b Parameter of Unsaturated zone 1	8	-0.07	8	-0.02	12	-0.04	12	-0.01
Mass loading for inhalation	6	0.09	6	0.03	6	0.08	6	0.02
Indoor dust filtration factor	11	0.03	11	0.01	10	0.05	10	0.01
Depth of soil mixing layer	18	0.00	18	0.00	8	-0.05	8	-0.01
Depth of roots	1	-0.94	1	-0.93	1	-0.97	1	-0.95
Wet weight crop yield of fruit, grain and non-leafy vegetables	16	0.01	16	0.00	11	0.04	11	0.01
Weathering removal constant of all vegetation	17	0.00	17	0.00	7	-0.07	7	-0.02
Wet foliar interception fraction of leafy vegetables	15	-0.01	15	0.00	15	0.01	15	0.00
Humidity in air	12	0.03	12	0.01	9	0.05	9	0.01
Kd of Tc-99 in Contaminated Zone	4	0.18	4	0.06	4	0.29	4	0.07
Kd of Tc-99 in Unsaturated Zone 1	14	0.01	14	0.00	13	0.03	13	0.01
Kd of Tc-99 in Saturated Zone	10	-0.04	10	-0.01	17	-0.01	17	0.00

R-SQUARE	0.89	0.89	0.95	0.95
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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 TC-99.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	5	-0.11	5	-0.04	15	-0.02	15	0.00
Contaminated zone b parameter	13	-0.04	13	-0.01	14	-0.02	14	0.00
Evapotranspiration coefficient	2	0.38	2	0.13	2	0.52	2	0.14
Wind Speed	16	-0.02	16	-0.01	18	0.00	18	0.00
Runoff coefficient	4	0.20	4	0.07	5	0.27	5	0.06
Well pump intake depth	3	-0.27	3	-0.09	3	-0.38	3	-0.09
b Parameter of Unsaturated zone 1	9	-0.08	9	-0.03	17	0.01	17	0.00
Mass loading for inhalation	7	0.10	7	0.03	8	0.06	8	0.01
Indoor dust filtration factor	6	0.11	6	0.03	6	0.14	6	0.03
Depth of soil mixing layer	12	-0.04	12	-0.01	7	-0.08	7	-0.02
Depth of roots	1	-0.94	1	-0.93	1	-0.97	1	-0.95
Wet weight crop yield of fruit, grain and non-leafy vegetables	14	-0.03	14	-0.01	9	-0.05	9	-0.01
Weathering removal constant of all vegetation	11	0.06	11	0.02	13	0.02	13	0.01
Wet foliar interception fraction of leafy vegetables	15	0.03	15	0.01	16	0.02	16	0.00
Humidity in air	10	0.06	10	0.02	10	0.04	10	0.01
Kd of Tc-99 in Contaminated Zone	8	0.09	8	0.03	4	0.31	4	0.07
Kd of Tc-99 in Unsaturated Zone 1	17	-0.01	17	0.00	12	0.03	12	0.01
Kd of Tc-99 in Saturated Zone	18	0.00	18	0.00	11	-0.03	11	-0.01

R-SQUARE	0.90	0.90	0.95	0.95
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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 TC-99.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	11	-0.05	11	-0.02	15	-0.01	15	0.00
Contaminated zone b parameter	18	-0.01	18	0.00	11	0.04	11	0.01
Evapotranspiration coefficient	2	0.40	2	0.14	2	0.61	2	0.14
Wind Speed	13	-0.05	13	-0.01	12	0.03	12	0.01
Runoff coefficient	4	0.12	4	0.04	5	0.26	5	0.05
Well pump intake depth	5	-0.12	5	-0.04	4	-0.35	4	-0.07
b Parameter of Unsaturated zone 1	17	0.02	17	0.01	6	0.08	6	0.02
Mass loading for inhalation	12	0.05	12	0.02	10	0.04	10	0.01
Indoor dust filtration factor	8	0.06	8	0.02	17	0.01	17	0.00
Depth of soil mixing layer	14	-0.04	14	-0.01	9	-0.05	9	-0.01
Depth of roots	1	-0.95	1	-0.94	1	-0.98	1	-0.96
Wet weight crop yield of fruit, grain and non-leafy vegetables	15	-0.02	15	-0.01	16	-0.01	16	0.00
Weathering removal constant of all vegetation	9	-0.05	9	-0.02	7	-0.07	7	-0.01
Wet foliar interception fraction of leafy vegetables	7	-0.06	7	-0.02	18	0.00	18	0.00
Humidity in air	16	-0.02	16	-0.01	14	-0.02	14	0.00
Kd of Tc-99 in Contaminated Zone	3	0.25	3	0.08	3	0.37	3	0.08
Kd of Tc-99 in Unsaturated Zone 1	6	-0.07	6	-0.02	13	-0.02	13	0.00
Kd of Tc-99 in Saturated Zone	10	-0.05	10	-0.02	8	-0.07	8	-0.01

R-SQUARE	0.90	0.90	0.96	0.96
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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.