

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
Cm-244										
Min	0.00E+00	1.56E-01	1.56E-01	1.43E-01	9.31E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	5.39E-01	5.39E-01	5.19E-01	4.81E-01	3.68E-01	1.73E-01	1.43E-02	2.55E-03	2.41E-03
Avg	0.00E+00	3.10E-01	3.10E-01	2.97E-01	2.74E-01	2.06E-01	9.35E-02	7.00E-03	8.49E-04	3.49E-04
Std	0.00E+00	1.32E-01	1.32E-01	1.27E-01	1.18E-01	9.33E-02	4.49E-02	3.78E-03	7.32E-04	5.85E-04
ALL										
Min	0.00E+00	1.56E-01	1.56E-01	1.43E-01	9.31E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	5.39E-01	5.39E-01	5.19E-01	4.81E-01	3.68E-01	1.73E-01	1.43E-02	2.55E-03	2.41E-03
Avg	0.00E+00	3.10E-01	3.10E-01	2.97E-01	2.74E-01	2.06E-01	9.35E-02	7.00E-03	8.49E-04	3.49E-04
Std	0.00E+00	1.32E-01	1.32E-01	1.27E-01	1.18E-01	9.33E-02	4.49E-02	3.78E-03	7.32E-04	5.85E-04

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/>									
Cm-244									
Min		2.58E-07	2.47E-07	1.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		9.38E-07	9.03E-07	8.37E-07	6.41E-07	3.00E-07	2.45E-08	3.99E-09	3.49E-09
Avg		5.17E-07	4.96E-07	4.57E-07	3.44E-07	1.56E-07	1.15E-08	1.28E-09	5.14E-10
Std		2.16E-07	2.08E-07	1.93E-07	1.53E-07	7.35E-08	6.09E-09	1.09E-09	8.70E-10
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ALL									
Min		2.58E-07	2.47E-07	1.92E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		9.38E-07	9.03E-07	8.37E-07	6.41E-07	3.00E-07	2.45E-08	3.99E-09	3.49E-09
Avg		5.17E-07	4.96E-07	4.57E-07	3.44E-07	1.56E-07	1.15E-08	1.28E-09	5.14E-10
Std		2.16E-07	2.08E-07	1.93E-07	1.53E-07	7.35E-08	6.09E-09	1.09E-09	8.70E-10
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ALL is total risk summed for all nuclides.

Probabilistic Dose vs Pathway(i): Ground External

Nuclide		DOSE(i,j,t), mrem/yr							
(j)	t=	0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
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Cm-244									
Min		5.98E-05	5.76E-05	5.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		5.98E-05	5.76E-05	5.33E-05	4.09E-05	1.91E-05	1.49E-06	1.91E-07	1.76E-07
Avg		5.98E-05	5.76E-05	5.33E-05	4.04E-05	1.86E-05	1.43E-06	1.48E-07	5.57E-08
Std		2.53E-10	7.32E-10	1.59E-09	4.06E-06	2.93E-06	2.99E-07	7.42E-08	7.58E-08
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ΣALL									
Min		5.98E-05	5.76E-05	5.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		5.98E-05	5.76E-05	5.33E-05	4.09E-05	1.91E-05	1.49E-06	1.91E-07	1.76E-07
Avg		5.98E-05	5.76E-05	5.33E-05	4.04E-05	1.86E-05	1.43E-06	1.48E-07	5.57E-08
Std		2.53E-10	7.32E-10	1.59E-09	4.06E-06	2.93E-06	2.99E-07	7.42E-08	7.58E-08
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ΣALL is total pathway dose summed for all nuclides.

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

Nuclide		DOSE(i,j,t), mrem/yr							
(j)	t=	0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
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Cm-244									
Min		9.27E-06	8.92E-06	8.27E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		2.05E-02	1.98E-02	1.83E-02	1.40E-02	6.59E-03	5.44E-04	9.50E-05	8.20E-05
Avg		3.32E-03	3.19E-03	2.96E-03	2.24E-03	1.03E-03	8.41E-05	1.14E-05	4.12E-06
Std		2.01E-03	1.94E-03	1.80E-03	1.39E-03	6.56E-04	5.50E-05	1.03E-05	7.60E-06
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ΣALL									
Min		9.27E-06	8.92E-06	8.27E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		2.05E-02	1.98E-02	1.83E-02	1.40E-02	6.59E-03	5.44E-04	9.50E-05	8.20E-05
Avg		3.32E-03	3.19E-03	2.96E-03	2.24E-03	1.03E-03	8.41E-05	1.14E-05	4.12E-06
Std		2.01E-03	1.94E-03	1.80E-03	1.39E-03	6.56E-04	5.50E-05	1.03E-05	7.60E-06
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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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Cm-244									
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 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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Cm-244									
Min		1.21E-01	1.08E-01	6.28E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		4.86E-01	4.68E-01	4.34E-01	3.32E-01	1.56E-01	1.29E-02	2.33E-03	2.14E-03
Avg		2.73E-01	2.62E-01	2.41E-01	1.81E-01	8.20E-02	6.04E-03	6.95E-04	2.60E-04
Std		1.32E-01	1.27E-01	1.18E-01	9.25E-02	4.42E-02	3.70E-03	6.79E-04	5.04E-04
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ΣALL									
Min		1.21E-01	1.08E-01	6.28E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		4.86E-01	4.68E-01	4.34E-01	3.32E-01	1.56E-01	1.29E-02	2.33E-03	2.14E-03
Avg		2.73E-01	2.62E-01	2.41E-01	1.81E-01	8.20E-02	6.04E-03	6.95E-04	2.60E-04
Std		1.32E-01	1.27E-01	1.18E-01	9.25E-02	4.42E-02	3.70E-03	6.79E-04	5.04E-04
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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
Cm-244									
Min		3.75E-03	3.61E-03	3.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		3.95E-03	3.80E-03	3.53E-03	2.71E-03	1.29E-03	1.39E-04	5.29E-05	4.87E-05
Avg		3.83E-03	3.69E-03	3.42E-03	2.60E-03	1.22E-03	1.28E-04	3.70E-05	1.29E-05
Std		7.10E-05	6.85E-05	6.42E-05	2.83E-04	1.99E-04	2.70E-05	2.05E-05	1.89E-05
ALL									
Min		3.75E-03	3.61E-03	3.14E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		3.95E-03	3.80E-03	3.53E-03	2.71E-03	1.29E-03	1.39E-04	5.29E-05	4.87E-05
Avg		3.83E-03	3.69E-03	3.42E-03	2.60E-03	1.22E-03	1.28E-04	3.70E-05	1.29E-05
Std		7.10E-05	6.85E-05	6.42E-05	2.83E-04	1.99E-04	2.70E-05	2.05E-05	1.89E-05

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
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Cm-244									
Min		1.28E-03	1.23E-03	1.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		1.43E-03	1.38E-03	1.28E-03	9.79E-04	4.57E-04	3.37E-05	2.53E-06	2.32E-06
Avg		1.34E-03	1.29E-03	1.20E-03	9.05E-04	4.15E-04	2.99E-05	1.69E-06	5.85E-07
Std		5.52E-05	5.32E-05	4.97E-05	1.04E-04	6.97E-05	6.40E-06	9.40E-07	8.62E-07
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ΣALL									
Min		1.28E-03	1.23E-03	1.05E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		1.43E-03	1.38E-03	1.28E-03	9.79E-04	4.57E-04	3.37E-05	2.53E-06	2.32E-06
Avg		1.34E-03	1.29E-03	1.20E-03	9.05E-04	4.15E-04	2.99E-05	1.69E-06	5.85E-07
Std		5.52E-05	5.32E-05	4.97E-05	1.04E-04	6.97E-05	6.40E-06	9.40E-07	8.62E-07
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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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Cm-244									
Min		2.83E-02	2.72E-02	2.34E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		2.83E-02	2.72E-02	2.52E-02	1.93E-02	9.07E-03	7.52E-04	1.36E-04	1.26E-04
Avg		2.83E-02	2.72E-02	2.52E-02	1.91E-02	8.83E-03	7.18E-04	9.89E-05	3.43E-05
Std		1.19E-07	3.46E-07	4.63E-05	2.05E-03	1.43E-03	1.51E-04	5.48E-05	5.02E-05
ΣALL									
Min		2.83E-02	2.72E-02	2.34E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		2.83E-02	2.72E-02	2.52E-02	1.93E-02	9.07E-03	7.52E-04	1.36E-04	1.26E-04
Avg		2.83E-02	2.72E-02	2.52E-02	1.91E-02	8.83E-03	7.18E-04	9.89E-05	3.43E-05
Std		1.19E-07	3.46E-07	4.63E-05	2.05E-03	1.43E-03	1.51E-04	5.48E-05	5.02E-05
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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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Cm-244									
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	1.81E-27	2.54E-24	3.51E-11	1.67E-04	7.89E-04
Avg		0.00E+00	0.00E+00	0.00E+00	5.64E-30	3.72E-26	6.59E-13	4.50E-06	3.34E-05
Std		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-12	1.25E-05	5.90E-05
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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	1.81E-27	2.54E-24	3.51E-11	1.67E-04	7.89E-04
Avg		0.00E+00	0.00E+00	0.00E+00	5.64E-30	3.72E-26	6.59E-13	4.50E-06	3.34E-05
Std		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.28E-12	1.25E-05	5.90E-05
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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/>								
Cm-244								
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.

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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
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Cm-244									
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 CM-244.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
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Cm-244									
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	2.87E-28	2.20E-25	3.39E-12	1.88E-05	9.95E-05
Avg		0.00E+00	0.00E+00	0.00E+00	5.76E-31	3.37E-27	5.94E-14	4.09E-07	3.03E-06
Std		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-13	1.24E-06	6.25E-06
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	2.87E-28	2.20E-25	3.39E-12	1.88E-05	9.95E-05
Avg		0.00E+00	0.00E+00	0.00E+00	5.76E-31	3.37E-27	5.94E-14	4.09E-07	3.03E-06
Std		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.18E-13	1.24E-06	6.25E-06
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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 CM-244.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
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Cm-244									
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	1.87E-29	2.49E-26	1.19E-13	1.92E-07	9.42E-07
Avg		0.00E+00	0.00E+00	0.00E+00	4.93E-32	3.91E-28	2.42E-15	5.56E-09	4.09E-08
Std		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.42E-15	1.56E-08	7.24E-08
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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		0.00E+00	0.00E+00	0.00E+00	1.87E-29	2.49E-26	1.19E-13	1.92E-07	9.42E-07
Avg		0.00E+00	0.00E+00	0.00E+00	4.93E-32	3.91E-28	2.42E-15	5.56E-09	4.09E-08
Std		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.42E-15	1.56E-08	7.24E-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 CM-244.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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Cm-244									
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	1.25E-28	1.39E-25	1.17E-12	1.30E-08	6.72E-08
Avg		0.00E+00	0.00E+00	0.00E+00	3.24E-31	2.27E-27	2.46E-14	3.91E-10	2.87E-09
Std		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.60E-14	1.10E-09	5.11E-09
CALL									
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	1.25E-28	1.39E-25	1.17E-12	1.30E-08	6.72E-08
Avg		0.00E+00	0.00E+00	0.00E+00	3.24E-31	2.27E-27	2.46E-14	3.91E-10	2.87E-09
Std		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.60E-14	1.10E-09	5.11E-09
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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 CM-244.RAD

Cumulative Probability Summary for: Total Dose Over Pathways

Cumulative Probability	Dose(t), mrem/yr							
	t= 0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
0.025	1.61E-01	1.55E-01	1.42E-01	1.04E-01	3.11E-03	5.43E-26	7.52E-28	7.53E-24
0.050	1.64E-01	1.57E-01	1.44E-01	1.09E-01	4.82E-02	2.82E-03	4.77E-13	8.27E-12
0.075	1.68E-01	1.61E-01	1.47E-01	1.11E-01	5.02E-02	3.23E-03	6.90E-12	2.67E-11
0.100	1.71E-01	1.64E-01	1.50E-01	1.13E-01	5.11E-02	3.46E-03	2.07E-11	1.13E-10
0.125	1.74E-01	1.67E-01	1.53E-01	1.15E-01	5.21E-02	3.73E-03	6.35E-08	3.04E-07
0.150	1.77E-01	1.70E-01	1.57E-01	1.18E-01	5.33E-02	3.89E-03	2.29E-06	1.90E-06
0.175	1.81E-01	1.74E-01	1.60E-01	1.20E-01	5.47E-02	4.02E-03	7.98E-06	3.14E-06
0.200	1.85E-01	1.77E-01	1.63E-01	1.23E-01	5.57E-02	4.12E-03	2.49E-05	4.30E-06
0.225	1.89E-01	1.81E-01	1.67E-01	1.25E-01	5.70E-02	4.23E-03	1.18E-04	5.49E-06
0.250	1.94E-01	1.86E-01	1.71E-01	1.29E-01	5.83E-02	4.32E-03	2.71E-04	6.60E-06
0.275	1.99E-01	1.91E-01	1.75E-01	1.32E-01	5.95E-02	4.42E-03	3.58E-04	7.67E-06
0.300	2.04E-01	1.96E-01	1.80E-01	1.35E-01	6.12E-02	4.56E-03	4.29E-04	9.25E-06
0.325	2.10E-01	2.01E-01	1.84E-01	1.39E-01	6.29E-02	4.68E-03	4.79E-04	1.03E-05
0.350	2.16E-01	2.07E-01	1.90E-01	1.43E-01	6.45E-02	4.81E-03	5.21E-04	1.23E-05
0.375	2.21E-01	2.12E-01	1.95E-01	1.47E-01	6.61E-02	4.95E-03	5.57E-04	1.45E-05
0.400	2.29E-01	2.19E-01	2.01E-01	1.51E-01	6.86E-02	5.08E-03	5.96E-04	1.66E-05
0.425	2.37E-01	2.26E-01	2.08E-01	1.56E-01	7.07E-02	5.23E-03	6.32E-04	1.93E-05
0.450	2.44E-01	2.34E-01	2.15E-01	1.62E-01	7.34E-02	5.39E-03	6.59E-04	2.17E-05
0.475	2.53E-01	2.42E-01	2.22E-01	1.67E-01	7.53E-02	5.55E-03	6.90E-04	2.58E-05
0.500	2.61E-01	2.50E-01	2.30E-01	1.73E-01	7.80E-02	5.74E-03	7.27E-04	2.90E-05
0.525	2.71E-01	2.59E-01	2.39E-01	1.79E-01	8.11E-02	5.96E-03	7.61E-04	3.39E-05
0.550	2.82E-01	2.70E-01	2.49E-01	1.89E-01	8.48E-02	6.17E-03	7.94E-04	3.96E-05
0.575	2.96E-01	2.83E-01	2.61E-01	1.97E-01	8.92E-02	6.40E-03	8.42E-04	4.89E-05
0.600	3.09E-01	2.96E-01	2.73E-01	2.06E-01	9.34E-02	6.77E-03	8.79E-04	6.57E-05
0.625	3.23E-01	3.10E-01	2.87E-01	2.15E-01	9.68E-02	7.15E-03	9.27E-04	8.32E-05
0.650	3.40E-01	3.26E-01	3.01E-01	2.28E-01	1.03E-01	7.56E-03	9.58E-04	1.18E-04
0.675	3.59E-01	3.43E-01	3.17E-01	2.40E-01	1.08E-01	7.89E-03	9.95E-04	1.90E-04
0.700	3.80E-01	3.65E-01	3.35E-01	2.53E-01	1.15E-01	8.28E-03	1.05E-03	2.87E-04
0.725	4.04E-01	3.88E-01	3.58E-01	2.69E-01	1.22E-01	8.82E-03	1.11E-03	3.63E-04
0.750	4.34E-01	4.17E-01	3.85E-01	2.86E-01	1.29E-01	9.24E-03	1.17E-03	4.86E-04
0.775	4.65E-01	4.48E-01	4.12E-01	3.12E-01	1.39E-01	9.98E-03	1.26E-03	6.51E-04
0.800	5.03E-01	4.81E-01	4.46E-01	3.36E-01	1.50E-01	1.07E-02	1.36E-03	7.67E-04
0.825	5.19E-01	5.00E-01	4.63E-01	3.55E-01	1.63E-01	1.19E-02	1.51E-03	8.38E-04
0.850	5.20E-01	5.00E-01	4.64E-01	3.55E-01	1.66E-01	1.31E-02	1.65E-03	9.18E-04
0.875	5.20E-01	5.01E-01	4.64E-01	3.56E-01	1.67E-01	1.38E-02	1.84E-03	1.03E-03
0.900	5.21E-01	5.01E-01	4.65E-01	3.56E-01	1.67E-01	1.38E-02	2.17E-03	1.18E-03
0.925	5.22E-01	5.02E-01	4.65E-01	3.56E-01	1.67E-01	1.38E-02	2.40E-03	1.45E-03
0.950	5.22E-01	5.03E-01	4.66E-01	3.57E-01	1.67E-01	1.39E-02	2.45E-03	1.92E-03
0.975	5.24E-01	5.04E-01	4.67E-01	3.58E-01	1.68E-01	1.39E-02	2.50E-03	2.15E-03
1.000	5.39E-01	5.19E-01	4.81E-01	3.68E-01	1.73E-01	1.43E-02	2.55E-03	2.41E-03

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	1.56E-01	5.28E-01	3.10E-01	2.60E-01	5.21E-01	5.22E-01	5.23E-01	5.25E-01
1.00E+00	1.50E-01	5.08E-01	2.98E-01	2.48E-01	5.01E-01	5.03E-01	5.03E-01	5.05E-01
1.06E+00	1.50E-01	5.07E-01	2.97E-01	2.48E-01	5.00E-01	5.02E-01	5.02E-01	5.04E-01
1.12E+00	1.49E-01	5.06E-01	2.96E-01	2.47E-01	4.99E-01	5.00E-01	5.01E-01	5.03E-01
1.19E+00	1.49E-01	5.04E-01	2.95E-01	2.47E-01	4.98E-01	4.99E-01	5.00E-01	5.02E-01
1.25E+00	1.49E-01	5.03E-01	2.94E-01	2.46E-01	4.96E-01	4.98E-01	4.99E-01	5.01E-01
1.33E+00	1.48E-01	5.02E-01	2.94E-01	2.45E-01	4.95E-01	4.96E-01	4.97E-01	4.99E-01
1.40E+00	1.48E-01	5.00E-01	2.93E-01	2.44E-01	4.94E-01	4.95E-01	4.96E-01	4.98E-01
1.49E+00	1.47E-01	4.99E-01	2.92E-01	2.44E-01	4.92E-01	4.93E-01	4.94E-01	4.96E-01
1.57E+00	1.47E-01	4.97E-01	2.91E-01	2.43E-01	4.90E-01	4.92E-01	4.93E-01	4.95E-01
1.66E+00	1.46E-01	4.95E-01	2.90E-01	2.42E-01	4.89E-01	4.90E-01	4.91E-01	4.93E-01
1.76E+00	1.46E-01	4.93E-01	2.88E-01	2.41E-01	4.87E-01	4.88E-01	4.89E-01	4.91E-01
1.86E+00	1.45E-01	4.91E-01	2.87E-01	2.40E-01	4.85E-01	4.86E-01	4.87E-01	4.89E-01
1.97E+00	1.44E-01	4.89E-01	2.86E-01	2.39E-01	4.83E-01	4.84E-01	4.85E-01	4.87E-01
2.09E+00	1.44E-01	4.87E-01	2.85E-01	2.38E-01	4.81E-01	4.82E-01	4.83E-01	4.85E-01
2.21E+00	1.42E-01	4.85E-01	2.83E-01	2.37E-01	4.79E-01	4.80E-01	4.81E-01	4.83E-01
2.34E+00	1.39E-01	4.83E-01	2.82E-01	2.36E-01	4.76E-01	4.78E-01	4.78E-01	4.80E-01
2.47E+00	1.36E-01	4.80E-01	2.80E-01	2.34E-01	4.74E-01	4.75E-01	4.76E-01	4.78E-01
2.62E+00	1.32E-01	4.78E-01	2.79E-01	2.33E-01	4.71E-01	4.73E-01	4.73E-01	4.75E-01
2.77E+00	1.25E-01	4.75E-01	2.77E-01	2.31E-01	4.69E-01	4.70E-01	4.71E-01	4.73E-01
2.93E+00	1.18E-01	4.72E-01	2.75E-01	2.30E-01	4.66E-01	4.67E-01	4.68E-01	4.70E-01
3.00E+00	1.16E-01	4.71E-01	2.74E-01	2.29E-01	4.64E-01	4.66E-01	4.67E-01	4.68E-01
3.10E+00	1.11E-01	4.69E-01	2.73E-01	2.29E-01	4.63E-01	4.64E-01	4.65E-01	4.67E-01
3.28E+00	1.04E-01	4.66E-01	2.71E-01	2.27E-01	4.59E-01	4.61E-01	4.62E-01	4.63E-01
3.48E+00	9.56E-02	4.62E-01	2.69E-01	2.25E-01	4.56E-01	4.57E-01	4.58E-01	4.60E-01
3.68E+00	8.64E-02	4.59E-01	2.67E-01	2.24E-01	4.53E-01	4.54E-01	4.55E-01	4.56E-01
3.89E+00	7.58E-02	4.55E-01	2.64E-01	2.22E-01	4.49E-01	4.50E-01	4.51E-01	4.53E-01
4.12E+00	6.37E-02	4.51E-01	2.62E-01	2.20E-01	4.45E-01	4.46E-01	4.47E-01	4.49E-01
4.36E+00	4.97E-02	4.47E-01	2.59E-01	2.18E-01	4.41E-01	4.42E-01	4.43E-01	4.45E-01
4.61E+00	3.45E-02	4.43E-01	2.57E-01	2.15E-01	4.37E-01	4.38E-01	4.39E-01	4.41E-01
4.88E+00	1.96E-02	4.38E-01	2.54E-01	2.13E-01	4.32E-01	4.34E-01	4.34E-01	4.36E-01
5.17E+00	8.32E-03	4.33E-01	2.51E-01	2.11E-01	4.28E-01	4.29E-01	4.30E-01	4.31E-01
5.47E+00	1.62E-03	4.28E-01	2.48E-01	2.08E-01	4.23E-01	4.24E-01	4.25E-01	4.26E-01
5.78E+00	5.76E-07	4.23E-01	2.45E-01	2.06E-01	4.18E-01	4.19E-01	4.20E-01	4.21E-01
6.12E+00	0.00E+00	4.18E-01	2.41E-01	2.03E-01	4.12E-01	4.14E-01	4.14E-01	4.16E-01
6.48E+00	0.00E+00	4.12E-01	2.38E-01	2.00E-01	4.07E-01	4.08E-01	4.09E-01	4.10E-01
6.86E+00	0.00E+00	4.06E-01	2.34E-01	1.97E-01	4.01E-01	4.02E-01	4.03E-01	4.04E-01
7.26E+00	0.00E+00	4.00E-01	2.31E-01	1.94E-01	3.95E-01	3.96E-01	3.97E-01	3.98E-01
7.68E+00	0.00E+00	3.94E-01	2.27E-01	1.90E-01	3.89E-01	3.90E-01	3.91E-01	3.92E-01
8.13E+00	0.00E+00	3.87E-01	2.23E-01	1.87E-01	3.82E-01	3.83E-01	3.84E-01	3.85E-01
8.60E+00	0.00E+00	3.80E-01	2.18E-01	1.83E-01	3.75E-01	3.76E-01	3.77E-01	3.79E-01
9.10E+00	0.00E+00	3.73E-01	2.14E-01	1.79E-01	3.68E-01	3.69E-01	3.70E-01	3.71E-01
9.63E+00	0.00E+00	3.66E-01	2.09E-01	1.75E-01	3.61E-01	3.62E-01	3.63E-01	3.64E-01
1.00E+01	0.00E+00	3.61E-01	2.06E-01	1.73E-01	3.56E-01	3.57E-01	3.58E-01	3.59E-01
1.02E+01	0.00E+00	3.58E-01	2.05E-01	1.71E-01	3.53E-01	3.54E-01	3.55E-01	3.56E-01
1.08E+01	0.00E+00	3.50E-01	2.00E-01	1.67E-01	3.45E-01	3.46E-01	3.47E-01	3.48E-01
1.14E+01	0.00E+00	3.42E-01	1.95E-01	1.63E-01	3.37E-01	3.38E-01	3.39E-01	3.40E-01
1.21E+01	0.00E+00	3.33E-01	1.90E-01	1.58E-01	3.29E-01	3.30E-01	3.30E-01	3.32E-01
1.28E+01	0.00E+00	3.24E-01	1.85E-01	1.54E-01	3.20E-01	3.21E-01	3.22E-01	3.23E-01
1.35E+01	0.00E+00	3.15E-01	1.79E-01	1.49E-01	3.11E-01	3.12E-01	3.13E-01	3.14E-01
1.43E+01	0.00E+00	3.06E-01	1.74E-01	1.45E-01	3.02E-01	3.03E-01	3.04E-01	3.05E-01
1.51E+01	0.00E+00	2.97E-01	1.68E-01	1.40E-01	2.93E-01	2.94E-01	2.94E-01	2.95E-01
1.60E+01	0.00E+00	2.87E-01	1.62E-01	1.35E-01	2.83E-01	2.84E-01	2.84E-01	2.85E-01
1.70E+01	0.00E+00	2.77E-01	1.56E-01	1.30E-01	2.73E-01	2.74E-01	2.74E-01	2.76E-01
1.80E+01	0.00E+00	2.67E-01	1.50E-01	1.25E-01	2.63E-01	2.64E-01	2.64E-01	2.65E-01
1.90E+01	0.00E+00	2.56E-01	1.44E-01	1.20E-01	2.53E-01	2.54E-01	2.54E-01	2.55E-01

2.01E+01 0.00E+00 2.46E-01 1.38E-01 1.15E-01 2.43E-01 2.43E-01 2.44E-01 2.45E-01

2.13E+01 0.00E+00 2.35E-01 1.32E-01 1.09E-01 2.32E-01 2.33E-01 2.33E-01 2.34E-01

2.25E+01 0.00E+00 2.24E-01 1.26E-01 1.04E-01 2.21E-01 2.22E-01 2.22E-01 2.23E-01

2.38E+01	0.00E+00	2.14E-01	1.19E-01	9.90E-02	2.11E-01	2.11E-01	2.12E-01	2.12E-01
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2.52E+01	0.00E+00	2.03E-01	1.13E-01	9.38E-02	2.00E-01	2.00E-01	2.01E-01	2.02E-01
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2.67E+01 0.00E+00 1.92E-01 1.07E-01 8.85E-02 1.89E-01 1.90E-01 1.90E-01 1.91E-01

2.82E+01 0.00E+00 1.81E-01 1.00E-01 8.32E-02 1.78E-01 1.79E-01 1.79E-01 1.80E-01

2.99E+01 0.00E+00 1.70E-01 9.41E-02 7.81E-02 1.68E-01 1.68E-01 1.68E-01 1.69E-01

3.00E+01 0.00E+00 1.69E-01 9.37E-02 7.77E-02 1.67E-01 1.67E-01 1.68E-01 1.68E-01

3.16E+01	0.00E+00	1.59E-01	8.79E-02	7.31E-02	1.57E-01	1.57E-01	1.58E-01	1.58E-01
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3.35E+01 0.00E+00 1.48E-01 8.18E-02 6.81E-02 1.46E-01 1.47E-01 1.47E-01 1.48E-01

3.54E+01	0.00E+00	1.38E-01	7.58E-02	6.33E-02	1.36E-01	1.36E-01	1.37E-01	1.37E-01
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3.75E+01 0.00E+00 1.28E-01 6.99E-02 5.83E-02 1.26E-01 1.26E-01 1.27E-01 1.27E-01



3.97E+01	0.00E+00	1.18E-01	6.42E-02	5.35E-02	1.16E-01	1.16E-01	1.17E-01	1.17E-01
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4.20E+01 0.00E+00 1.08E-01 5.87E-02 4.87E-02 1.06E-01 1.07E-01 1.07E-01 1.07E-01

4.44E+01 0.00E+00 9.85E-02 5.34E-02 4.44E-02 9.71E-02 9.75E-02 9.76E-02 9.80E-02

4.70E+01 0.00E+00 8.95E-02 4.83E-02 4.03E-02 8.82E-02 8.85E-02 8.86E-02 8.90E-02

4.97E+01 0.00E+00 8.08E-02 4.34E-02 3.63E-02 7.97E-02 7.99E-02 8.01E-02 8.04E-02

5.26E+01	0.00E+00	7.26E-02	3.88E-02	3.24E-02	7.16E-02	7.18E-02	7.19E-02	7.23E-02
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5.57E+01	0.00E+00	6.49E-02	3.45E-02	2.89E-02	6.39E-02	6.41E-02	6.43E-02	6.45E-02
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5.90E+01 0.00E+00 5.76E-02 3.05E-02 2.55E-02 5.68E-02 5.70E-02 5.71E-02 5.73E-02



6.24E+01 0.00E+00 5.08E-02 2.68E-02 2.23E-02 5.01E-02 5.03E-02 5.03E-02 5.06E-02

6.60E+01    0.00E+00    4.45E-02    2.34E-02    1.94E-02    4.39E-02    4.41E-02    4.41E-02    4.43E-02

6.99E+01 0.00E+00 3.88E-02 2.02E-02 1.68E-02 3.83E-02 3.84E-02 3.85E-02 3.86E-02

7.39E+01	0.00E+00	3.36E-02	1.74E-02	1.45E-02	3.31E-02	3.32E-02	3.33E-02	3.34E-02
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7.82E+01	0.00E+00	2.89E-02	1.49E-02	1.23E-02	2.85E-02	2.86E-02	2.86E-02	2.87E-02
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8.28E+01 0.00E+00 2.47E-02 1.26E-02 1.04E-02 2.43E-02 2.44E-02 2.44E-02 2.45E-02

8.76E+01 0.00E+00 2.09E-02 1.06E-02 8.80E-03 2.06E-02 2.07E-02 2.07E-02 2.08E-02

9.27E+01	0.00E+00	1.77E-02	8.91E-03	7.33E-03	1.74E-02	1.75E-02	1.75E-02	1.76E-02
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9.81E+01 0.00E+00 1.49E-02 7.43E-03 6.08E-03 1.46E-02 1.47E-02 1.47E-02 1.48E-02

1.00E+02 0.00E+00 1.40E-02 6.98E-03 5.73E-03 1.38E-02 1.39E-02 1.39E-02 1.39E-02

1.04E+02 0.00E+00 1.24E-02 6.17E-03 5.04E-03 1.23E-02 1.23E-02 1.23E-02 1.24E-02

1.10E+02 0.00E+00 1.04E-02 5.11E-03 4.15E-03 1.03E-02 1.03E-02 1.03E-02 1.03E-02

1.16E+02    0.00E+00    8.70E-03    4.23E-03    3.45E-03    8.58E-03    8.61E-03    8.63E-03    8.65E-03

1.23E+02    0.00E+00    7.30E-03    3.51E-03    2.88E-03    7.19E-03    7.22E-03    7.25E-03    7.26E-03

1.30E+02    0.00E+00    6.16E-03    2.93E-03    2.41E-03    6.07E-03    6.10E-03    6.12E-03    6.14E-03

1.38E+02    0.00E+00    5.25E-03    2.47E-03    2.01E-03    5.17E-03    5.20E-03    5.22E-03    5.24E-03



1.46E+02 0.00E+00 4.54E-03 2.11E-03 1.71E-03 4.45E-03 4.50E-03 4.51E-03 4.53E-03

1.54E+02	0.00E+00	4.00E-03	1.82E-03	1.50E-03	3.90E-03	3.95E-03	3.96E-03	3.98E-03
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1.63E+02    0.00E+00    3.58E-03    1.60E-03    1.32E-03    3.48E-03    3.54E-03    3.55E-03    3.57E-03

1.73E+02    0.00E+00    3.27E-03    1.44E-03    1.18E-03    3.15E-03    3.23E-03    3.24E-03    3.26E-03

1.83E+02 0.00E+00 3.04E-03 1.31E-03 1.07E-03 2.87E-03 3.00E-03 3.02E-03 3.03E-03

1.94E+02    0.00E+00    2.88E-03    1.21E-03    9.88E-04    2.69E-03    2.84E-03    2.86E-03    2.87E-03

2.05E+02	0.00E+00	2.77E-03	1.13E-03	9.34E-04	2.56E-03	2.71E-03	2.74E-03	2.76E-03
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2.17E+02    0.00E+00    2.69E-03    1.06E-03    8.97E-04    2.45E-03    2.62E-03    2.66E-03    2.68E-03



2.29E+02	0.00E+00	2.64E-03	1.01E-03	8.51E-04	2.36E-03	2.56E-03	2.60E-03	2.62E-03
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2.43E+02    0.00E+00    2.60E-03    9.67E-04    8.24E-04    2.28E-03    2.52E-03    2.57E-03    2.58E-03

2.57E+02    0.00E+00    2.58E-03    9.30E-04    8.01E-04    2.24E-03    2.49E-03    2.54E-03    2.56E-03

2.72E+02	0.00E+00	2.56E-03	8.96E-04	7.67E-04	2.20E-03	2.47E-03	2.52E-03	2.54E-03
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2.88E+02	0.00E+00	2.53E-03	8.64E-04	7.42E-04	2.14E-03	2.45E-03	2.51E-03	2.53E-03
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3.00E+02	0.00E+00	2.53E-03	8.42E-04	7.27E-04	2.11E-03	2.44E-03	2.50E-03	2.52E-03
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3.05E+02	0.00E+00	2.52E-03	8.34E-04	7.23E-04	2.09E-03	2.44E-03	2.49E-03	2.52E-03
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3.22E+02	0.00E+00	2.52E-03	8.05E-04	7.02E-04	2.00E-03	2.42E-03	2.48E-03	2.51E-03
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3.41E+02	0.00E+00	2.51E-03	7.76E-04	6.77E-04	1.96E-03	2.41E-03	2.47E-03	2.49E-03
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3.61E+02    0.00E+00    2.50E-03    7.48E-04    6.43E-04    1.94E-03    2.40E-03    2.46E-03    2.49E-03

3.82E+02 0.00E+00 2.50E-03 7.20E-04 6.15E-04 1.87E-03 2.39E-03 2.45E-03 2.48E-03

4.04E+02 0.00E+00 2.49E-03 6.94E-04 5.88E-04 1.83E-03 2.37E-03 2.44E-03 2.47E-03

4.28E+02	0.00E+00	2.48E-03	6.68E-04	5.59E-04	1.80E-03	2.36E-03	2.43E-03	2.46E-03
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4.53E+02	0.00E+00	2.47E-03	6.43E-04	5.22E-04	1.79E-03	2.32E-03	2.42E-03	2.46E-03
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4.79E+02 0.00E+00 2.47E-03 6.18E-04 4.88E-04 1.73E-03 2.30E-03 2.40E-03 2.45E-03

5.07E+02	0.00E+00	2.46E-03	5.94E-04	4.48E-04	1.66E-03	2.29E-03	2.39E-03	2.44E-03
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5.36E+02	0.00E+00	2.45E-03	5.70E-04	3.92E-04	1.64E-03	2.27E-03	2.38E-03	2.43E-03
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5.68E+02	0.00E+00	2.44E-03	5.47E-04	3.39E-04	1.62E-03	2.25E-03	2.36E-03	2.42E-03
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6.01E+02	0.00E+00	2.43E-03	5.24E-04	2.67E-04	1.60E-03	2.22E-03	2.35E-03	2.41E-03
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6.36E+02	0.00E+00	2.42E-03	5.02E-04	1.56E-04	1.53E-03	2.17E-03	2.33E-03	2.40E-03
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6.73E+02 0.00E+00 2.41E-03 4.82E-04 1.04E-04 1.52E-03 2.15E-03 2.32E-03 2.38E-03

7.12E+02    0.00E+00    2.40E-03    4.62E-04    7.07E-05    1.49E-03    2.11E-03    2.30E-03    2.37E-03

7.53E+02    0.00E+00    2.40E-03    4.42E-04    6.07E-05    1.46E-03    2.06E-03    2.28E-03    2.36E-03

7.97E+02    0.00E+00    2.39E-03    4.23E-04    4.49E-05    1.44E-03    2.04E-03    2.26E-03    2.35E-03



8.44E+02    0.00E+00    2.38E-03    4.04E-04    3.65E-05    1.43E-03    2.01E-03    2.24E-03    2.33E-03

8.93E+02 0.00E+00 2.38E-03 3.87E-04 3.42E-05 1.37E-03 1.96E-03 2.22E-03 2.33E-03

9.45E+02    0.00E+00    2.37E-03    3.70E-04    3.26E-05    1.32E-03    1.96E-03    2.20E-03    2.31E-03

1.00E+03    0.00E+00    2.36E-03    3.54E-04    2.96E-05    1.31E-03    1.93E-03    2.18E-03    2.30E-03

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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 CM-244.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	1.57E-01	5.39E-01	3.10E-01	2.61E-01	5.21E-01	5.23E-01	5.24E-01	5.25E-01
1.00E+00	1.51E-01	5.19E-01	2.97E-01	2.50E-01	5.02E-01	5.03E-01	5.04E-01	5.05E-01
1.06E+00	1.51E-01	5.17E-01	2.97E-01	2.49E-01	5.01E-01	5.02E-01	5.03E-01	5.04E-01
1.12E+00	1.50E-01	5.16E-01	2.96E-01	2.48E-01	4.99E-01	5.01E-01	5.02E-01	5.03E-01
1.19E+00	1.50E-01	5.15E-01	2.95E-01	2.48E-01	4.98E-01	5.00E-01	5.01E-01	5.02E-01
1.25E+00	1.50E-01	5.14E-01	2.94E-01	2.47E-01	4.97E-01	4.98E-01	4.99E-01	5.00E-01
1.33E+00	1.49E-01	5.12E-01	2.94E-01	2.46E-01	4.95E-01	4.97E-01	4.98E-01	4.99E-01
1.40E+00	1.49E-01	5.11E-01	2.93E-01	2.45E-01	4.94E-01	4.95E-01	4.96E-01	4.98E-01
1.49E+00	1.48E-01	5.09E-01	2.92E-01	2.45E-01	4.92E-01	4.94E-01	4.95E-01	4.96E-01
1.57E+00	1.48E-01	5.07E-01	2.91E-01	2.44E-01	4.91E-01	4.92E-01	4.93E-01	4.94E-01
1.66E+00	1.47E-01	5.06E-01	2.89E-01	2.43E-01	4.89E-01	4.90E-01	4.91E-01	4.93E-01
1.76E+00	1.44E-01	5.04E-01	2.88E-01	2.42E-01	4.87E-01	4.89E-01	4.90E-01	4.91E-01
1.86E+00	1.40E-01	5.02E-01	2.87E-01	2.41E-01	4.85E-01	4.87E-01	4.88E-01	4.89E-01
1.97E+00	1.35E-01	5.00E-01	2.86E-01	2.40E-01	4.83E-01	4.85E-01	4.86E-01	4.87E-01
2.09E+00	1.31E-01	4.98E-01	2.84E-01	2.39E-01	4.81E-01	4.83E-01	4.84E-01	4.85E-01
2.21E+00	1.26E-01	4.95E-01	2.83E-01	2.38E-01	4.79E-01	4.80E-01	4.81E-01	4.83E-01
2.34E+00	1.21E-01	4.93E-01	2.82E-01	2.36E-01	4.77E-01	4.78E-01	4.79E-01	4.80E-01
2.47E+00	1.16E-01	4.90E-01	2.80E-01	2.35E-01	4.74E-01	4.76E-01	4.77E-01	4.78E-01
2.62E+00	1.10E-01	4.88E-01	2.78E-01	2.34E-01	4.72E-01	4.73E-01	4.74E-01	4.75E-01
2.77E+00	1.03E-01	4.85E-01	2.77E-01	2.32E-01	4.69E-01	4.70E-01	4.71E-01	4.72E-01
2.93E+00	9.63E-02	4.82E-01	2.75E-01	2.31E-01	4.66E-01	4.67E-01	4.68E-01	4.69E-01
3.00E+00	9.31E-02	4.81E-01	2.74E-01	2.30E-01	4.65E-01	4.66E-01	4.67E-01	4.68E-01
3.10E+00	8.83E-02	4.79E-01	2.73E-01	2.29E-01	4.63E-01	4.64E-01	4.65E-01	4.66E-01
3.28E+00	7.93E-02	4.75E-01	2.71E-01	2.27E-01	4.60E-01	4.61E-01	4.62E-01	4.63E-01
3.48E+00	6.93E-02	4.72E-01	2.69E-01	2.26E-01	4.56E-01	4.58E-01	4.59E-01	4.60E-01
3.68E+00	5.85E-02	4.68E-01	2.66E-01	2.24E-01	4.53E-01	4.54E-01	4.55E-01	4.56E-01
3.89E+00	4.72E-02	4.65E-01	2.64E-01	2.22E-01	4.49E-01	4.51E-01	4.52E-01	4.53E-01
4.12E+00	3.55E-02	4.61E-01	2.62E-01	2.18E-01	4.45E-01	4.47E-01	4.48E-01	4.49E-01
4.36E+00	2.33E-02	4.56E-01	2.59E-01	2.16E-01	4.41E-01	4.43E-01	4.44E-01	4.45E-01
4.61E+00	1.26E-02	4.52E-01	2.56E-01	2.14E-01	4.37E-01	4.38E-01	4.39E-01	4.40E-01
4.88E+00	4.86E-03	4.47E-01	2.54E-01	2.11E-01	4.33E-01	4.34E-01	4.35E-01	4.36E-01
5.17E+00	6.22E-04	4.43E-01	2.51E-01	2.09E-01	4.28E-01	4.29E-01	4.30E-01	4.31E-01
5.47E+00	2.29E-07	4.38E-01	2.47E-01	2.06E-01	4.23E-01	4.24E-01	4.25E-01	4.26E-01
5.78E+00	0.00E+00	4.32E-01	2.44E-01	2.03E-01	4.18E-01	4.19E-01	4.20E-01	4.21E-01
6.12E+00	0.00E+00	4.27E-01	2.41E-01	2.01E-01	4.13E-01	4.14E-01	4.15E-01	4.16E-01
6.48E+00	0.00E+00	4.21E-01	2.37E-01	1.98E-01	4.07E-01	4.08E-01	4.09E-01	4.10E-01
6.86E+00	0.00E+00	4.15E-01	2.34E-01	1.94E-01	4.01E-01	4.03E-01	4.03E-01	4.04E-01
7.26E+00	0.00E+00	4.09E-01	2.30E-01	1.91E-01	3.95E-01	3.97E-01	3.97E-01	3.98E-01
7.68E+00	0.00E+00	4.02E-01	2.26E-01	1.88E-01	3.89E-01	3.90E-01	3.91E-01	3.92E-01
8.13E+00	0.00E+00	3.95E-01	2.22E-01	1.85E-01	3.82E-01	3.84E-01	3.84E-01	3.85E-01
8.60E+00	0.00E+00	3.88E-01	2.18E-01	1.81E-01	3.76E-01	3.77E-01	3.77E-01	3.78E-01
9.10E+00	0.00E+00	3.81E-01	2.14E-01	1.77E-01	3.69E-01	3.70E-01	3.70E-01	3.71E-01
9.63E+00	0.00E+00	3.73E-01	2.09E-01	1.74E-01	3.61E-01	3.62E-01	3.63E-01	3.64E-01
1.00E+01	0.00E+00	3.68E-01	2.06E-01	1.71E-01	3.56E-01	3.57E-01	3.58E-01	3.59E-01
1.02E+01	0.00E+00	3.66E-01	2.04E-01	1.70E-01	3.54E-01	3.55E-01	3.55E-01	3.56E-01
1.08E+01	0.00E+00	3.57E-01	2.00E-01	1.66E-01	3.46E-01	3.47E-01	3.47E-01	3.48E-01
1.14E+01	0.00E+00	3.49E-01	1.95E-01	1.62E-01	3.38E-01	3.39E-01	3.39E-01	3.40E-01
1.21E+01	0.00E+00	3.40E-01	1.90E-01	1.58E-01	3.29E-01	3.30E-01	3.31E-01	3.32E-01
1.28E+01	0.00E+00	3.31E-01	1.84E-01	1.53E-01	3.20E-01	3.21E-01	3.22E-01	3.23E-01
1.35E+01	0.00E+00	3.22E-01	1.79E-01	1.49E-01	3.11E-01	3.12E-01	3.13E-01	3.14E-01
1.43E+01	0.00E+00	3.13E-01	1.73E-01	1.44E-01	3.02E-01	3.03E-01	3.04E-01	3.05E-01
1.51E+01	0.00E+00	3.03E-01	1.68E-01	1.39E-01	2.93E-01	2.94E-01	2.94E-01	2.95E-01
1.60E+01	0.00E+00	2.93E-01	1.62E-01	1.35E-01	2.83E-01	2.84E-01	2.85E-01	2.85E-01
1.70E+01	0.00E+00	2.83E-01	1.56E-01	1.30E-01	2.73E-01	2.74E-01	2.75E-01	2.75E-01
1.80E+01	0.00E+00	2.72E-01	1.50E-01	1.24E-01	2.63E-01	2.64E-01	2.65E-01	2.65E-01
1.90E+01	0.00E+00	2.62E-01	1.44E-01	1.20E-01	2.53E-01	2.54E-01	2.54E-01	2.55E-01

2.01E+01 0.00E+00 2.51E-01 1.38E-01 1.15E-01 2.43E-01 2.43E-01 2.44E-01 2.45E-01



2.13E+01 0.00E+00 2.40E-01 1.32E-01 1.10E-01 2.32E-01 2.33E-01 2.33E-01 2.34E-01

2.25E+01 0.00E+00 2.29E-01 1.25E-01 1.05E-01 2.22E-01 2.22E-01 2.23E-01 2.23E-01

2.38E+01	0.00E+00	2.18E-01	1.19E-01	9.92E-02	2.11E-01	2.12E-01	2.12E-01	2.12E-01
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2.52E+01 0.00E+00 2.07E-01 1.13E-01 9.40E-02 2.00E-01 2.01E-01 2.01E-01 2.01E-01

2.67E+01 0.00E+00 1.96E-01 1.06E-01 8.88E-02 1.89E-01 1.90E-01 1.90E-01 1.91E-01

2.82E+01 0.00E+00 1.85E-01 1.00E-01 8.35E-02 1.78E-01 1.79E-01 1.79E-01 1.80E-01

2.99E+01 0.00E+00 1.73E-01 9.39E-02 7.83E-02 1.68E-01 1.68E-01 1.69E-01 1.69E-01

3.00E+01 0.00E+00 1.73E-01 9.34E-02 7.80E-02 1.67E-01 1.67E-01 1.68E-01 1.68E-01



3.16E+01	0.00E+00	1.62E-01	8.77E-02	7.31E-02	1.57E-01	1.58E-01	1.58E-01	1.58E-01
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3.35E+01	0.00E+00	1.52E-01	8.16E-02	6.81E-02	1.47E-01	1.47E-01	1.47E-01	1.48E-01
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3.54E+01	0.00E+00	1.41E-01	7.56E-02	6.31E-02	1.36E-01	1.37E-01	1.37E-01	1.37E-01
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3.75E+01	0.00E+00	1.30E-01	6.98E-02	5.83E-02	1.26E-01	1.26E-01	1.27E-01	1.27E-01
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3.97E+01 0.00E+00 1.20E-01 6.41E-02 5.36E-02 1.16E-01 1.16E-01 1.17E-01 1.17E-01

4.20E+01 0.00E+00 1.10E-01 5.86E-02 4.90E-02 1.06E-01 1.07E-01 1.07E-01 1.07E-01

4.44E+01 0.00E+00 1.01E-01 5.33E-02 4.45E-02 9.72E-02 9.75E-02 9.77E-02 9.80E-02

4.70E+01 0.00E+00 9.14E-02 4.82E-02 4.02E-02 8.83E-02 8.86E-02 8.88E-02 8.90E-02



4.97E+01 0.00E+00 8.25E-02 4.34E-02 3.60E-02 7.98E-02 8.00E-02 8.02E-02 8.03E-02

5.26E+01	0.00E+00	7.41E-02	3.88E-02	3.22E-02	7.17E-02	7.19E-02	7.20E-02	7.22E-02
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5.57E+01	0.00E+00	6.62E-02	3.45E-02	2.86E-02	6.40E-02	6.42E-02	6.43E-02	6.45E-02
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5.90E+01	0.00E+00	5.88E-02	3.05E-02	2.53E-02	5.68E-02	5.70E-02	5.71E-02	5.72E-02
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6.24E+01 0.00E+00 5.19E-02 2.68E-02 2.22E-02 5.01E-02 5.03E-02 5.04E-02 5.05E-02

6.60E+01	0.00E+00	4.55E-02	2.33E-02	1.93E-02	4.40E-02	4.41E-02	4.42E-02	4.43E-02
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6.99E+01 0.00E+00 3.96E-02 2.02E-02 1.67E-02 3.83E-02 3.84E-02 3.85E-02 3.86E-02

7.39E+01	0.00E+00	3.43E-02	1.74E-02	1.44E-02	3.31E-02	3.32E-02	3.33E-02	3.34E-02
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7.82E+01	0.00E+00	2.95E-02	1.49E-02	1.22E-02	2.85E-02	2.86E-02	2.86E-02	2.87E-02
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8.28E+01	0.00E+00	2.52E-02	1.26E-02	1.03E-02	2.43E-02	2.44E-02	2.45E-02	2.45E-02
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8.76E+01 0.00E+00 2.14E-02 1.06E-02 8.65E-03 2.07E-02 2.07E-02 2.08E-02 2.08E-02

9.27E+01 0.00E+00 1.81E-02 8.92E-03 7.21E-03 1.75E-02 1.75E-02 1.75E-02 1.76E-02

9.81E+01 0.00E+00 1.52E-02 7.44E-03 6.00E-03 1.47E-02 1.47E-02 1.47E-02 1.48E-02

1.00E+02 0.00E+00 1.43E-02 7.00E-03 5.65E-03 1.38E-02 1.39E-02 1.39E-02 1.39E-02

1.04E+02 0.00E+00 1.27E-02 6.19E-03 4.97E-03 1.23E-02 1.23E-02 1.24E-02 1.24E-02

1.10E+02 0.00E+00 1.06E-02 5.13E-03 4.10E-03 1.03E-02 1.03E-02 1.03E-02 1.03E-02



1.16E+02    0.00E+00    8.89E-03    4.25E-03    3.40E-03    8.59E-03    8.62E-03    8.64E-03    8.66E-03

1.23E+02    0.00E+00    7.46E-03    3.53E-03    2.82E-03    7.21E-03    7.23E-03    7.25E-03    7.27E-03

1.30E+02    0.00E+00    6.30E-03    2.95E-03    2.35E-03    6.08E-03    6.11E-03    6.12E-03    6.14E-03

1.38E+02	0.00E+00	5.37E-03	2.49E-03	2.00E-03	5.19E-03	5.21E-03	5.22E-03	5.24E-03
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1.46E+02    0.00E+00    4.64E-03    2.12E-03    1.70E-03    4.47E-03    4.50E-03    4.51E-03    4.52E-03

1.54E+02	0.00E+00	4.08E-03	1.84E-03	1.47E-03	3.92E-03	3.95E-03	3.97E-03	3.98E-03
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1.63E+02    0.00E+00    3.65E-03    1.62E-03    1.30E-03    3.51E-03    3.54E-03    3.55E-03    3.56E-03

1.73E+02 0.00E+00 3.33E-03 1.45E-03 1.16E-03 3.18E-03 3.23E-03 3.24E-03 3.25E-03



1.83E+02    0.00E+00    3.10E-03    1.32E-03    1.07E-03    2.95E-03    3.00E-03    3.02E-03    3.03E-03

1.94E+02    0.00E+00    2.93E-03    1.22E-03    9.95E-04    2.78E-03    2.84E-03    2.85E-03    2.87E-03

2.05E+02	0.00E+00	2.81E-03	1.14E-03	9.36E-04	2.66E-03	2.72E-03	2.74E-03	2.75E-03
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2.17E+02 0.00E+00 2.72E-03 1.08E-03 8.96E-04 2.58E-03 2.64E-03 2.66E-03 2.67E-03

2.29E+02	0.00E+00	2.67E-03	1.03E-03	8.52E-04	2.52E-03	2.58E-03	2.60E-03	2.62E-03
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2.43E+02	0.00E+00	2.63E-03	9.81E-04	8.15E-04	2.47E-03	2.54E-03	2.56E-03	2.58E-03
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2.57E+02	0.00E+00	2.60E-03	9.42E-04	7.80E-04	2.43E-03	2.51E-03	2.53E-03	2.56E-03
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2.72E+02	0.00E+00	2.58E-03	9.07E-04	7.67E-04	2.41E-03	2.49E-03	2.51E-03	2.54E-03
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2.88E+02	0.00E+00	2.56E-03	8.75E-04	7.46E-04	2.35E-03	2.47E-03	2.50E-03	2.53E-03
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3.00E+02    0.00E+00    2.55E-03    8.52E-04    7.27E-04    2.29E-03    2.46E-03    2.49E-03    2.52E-03

3.05E+02	0.00E+00	2.55E-03	8.45E-04	7.21E-04	2.29E-03	2.46E-03	2.49E-03	2.52E-03
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3.22E+02	0.00E+00	2.54E-03	8.15E-04	6.79E-04	2.27E-03	2.44E-03	2.48E-03	2.51E-03
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3.41E+02 0.00E+00 2.53E-03 7.86E-04 6.59E-04 2.22E-03 2.43E-03 2.47E-03 2.50E-03

3.61E+02	0.00E+00	2.51E-03	7.57E-04	6.24E-04	2.09E-03	2.42E-03	2.46E-03	2.49E-03
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3.82E+02 0.00E+00 2.51E-03 7.29E-04 6.00E-04 1.96E-03 2.41E-03 2.45E-03 2.49E-03

4.04E+02 0.00E+00 2.50E-03 7.02E-04 5.73E-04 1.87E-03 2.40E-03 2.44E-03 2.48E-03



4.28E+02 0.00E+00 2.49E-03 6.76E-04 5.59E-04 1.83E-03 2.39E-03 2.43E-03 2.47E-03

4.53E+02	0.00E+00	2.48E-03	6.51E-04	5.21E-04	1.79E-03	2.38E-03	2.43E-03	2.46E-03
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4.79E+02 0.00E+00 2.48E-03 6.26E-04 4.68E-04 1.76E-03 2.37E-03 2.42E-03 2.45E-03

5.07E+02	0.00E+00	2.47E-03	6.02E-04	4.26E-04	1.71E-03	2.36E-03	2.41E-03	2.44E-03
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5.36E+02	0.00E+00	2.46E-03	5.77E-04	3.89E-04	1.69E-03	2.34E-03	2.39E-03	2.43E-03
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5.68E+02    0.00E+00    2.45E-03    5.54E-04    3.01E-04    1.67E-03    2.32E-03    2.38E-03    2.41E-03

6.01E+02	0.00E+00	2.44E-03	5.31E-04	2.20E-04	1.61E-03	2.30E-03	2.37E-03	2.40E-03
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6.36E+02	0.00E+00	2.43E-03	5.09E-04	1.33E-04	1.56E-03	2.27E-03	2.35E-03	2.39E-03
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6.73E+02    0.00E+00    2.42E-03    4.88E-04    7.75E-05    1.53E-03    2.26E-03    2.34E-03    2.38E-03

7.12E+02    0.00E+00    2.41E-03    4.67E-04    6.62E-05    1.48E-03    2.23E-03    2.32E-03    2.36E-03

7.53E+02    0.00E+00    2.40E-03    4.47E-04    4.75E-05    1.46E-03    2.21E-03    2.31E-03    2.35E-03

7.97E+02    0.00E+00    2.38E-03    4.27E-04    4.13E-05    1.40E-03    2.14E-03    2.28E-03    2.33E-03

8.44E+02    0.00E+00    2.37E-03    4.07E-04    3.58E-05    1.35E-03    2.07E-03    2.27E-03    2.31E-03

8.93E+02 0.00E+00 2.36E-03 3.89E-04 3.13E-05 1.31E-03 2.01E-03 2.25E-03 2.30E-03

9.45E+02    0.00E+00    2.34E-03    3.71E-04    3.00E-05    1.24E-03    1.98E-03    2.23E-03    2.28E-03

1.00E+03    0.00E+00    2.33E-03    3.54E-04    2.93E-05    1.21E-03    1.96E-03    2.22E-03    2.27E-03



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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 CM-244.RAD

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	1.56E-01	5.32E-01	3.10E-01	2.62E-01	5.21E-01	5.23E-01	5.24E-01	5.26E-01
1.00E+00	1.43E-01	5.13E-01	2.97E-01	2.51E-01	5.01E-01	5.03E-01	5.04E-01	5.06E-01
1.06E+00	1.42E-01	5.11E-01	2.97E-01	2.50E-01	5.00E-01	5.02E-01	5.03E-01	5.05E-01
1.12E+00	1.41E-01	5.10E-01	2.96E-01	2.50E-01	4.99E-01	5.01E-01	5.02E-01	5.04E-01
1.19E+00	1.39E-01	5.09E-01	2.95E-01	2.49E-01	4.98E-01	4.99E-01	5.01E-01	5.02E-01
1.25E+00	1.38E-01	5.08E-01	2.94E-01	2.48E-01	4.97E-01	4.98E-01	4.99E-01	5.01E-01
1.33E+00	1.37E-01	5.06E-01	2.93E-01	2.48E-01	4.95E-01	4.97E-01	4.98E-01	5.00E-01
1.40E+00	1.36E-01	5.05E-01	2.92E-01	2.47E-01	4.94E-01	4.95E-01	4.97E-01	4.98E-01
1.49E+00	1.34E-01	5.03E-01	2.91E-01	2.46E-01	4.92E-01	4.94E-01	4.95E-01	4.97E-01
1.57E+00	1.33E-01	5.01E-01	2.90E-01	2.45E-01	4.91E-01	4.92E-01	4.93E-01	4.95E-01
1.66E+00	1.31E-01	5.00E-01	2.89E-01	2.44E-01	4.89E-01	4.90E-01	4.92E-01	4.93E-01
1.76E+00	1.29E-01	4.98E-01	2.88E-01	2.43E-01	4.87E-01	4.89E-01	4.90E-01	4.91E-01
1.86E+00	1.28E-01	4.96E-01	2.87E-01	2.41E-01	4.85E-01	4.87E-01	4.88E-01	4.90E-01
1.97E+00	1.26E-01	4.94E-01	2.86E-01	2.40E-01	4.83E-01	4.85E-01	4.86E-01	4.88E-01
2.09E+00	1.24E-01	4.92E-01	2.84E-01	2.39E-01	4.81E-01	4.83E-01	4.84E-01	4.85E-01
2.21E+00	1.22E-01	4.89E-01	2.83E-01	2.38E-01	4.79E-01	4.80E-01	4.82E-01	4.83E-01
2.34E+00	1.20E-01	4.87E-01	2.81E-01	2.36E-01	4.77E-01	4.78E-01	4.79E-01	4.81E-01
2.47E+00	1.18E-01	4.85E-01	2.80E-01	2.35E-01	4.74E-01	4.76E-01	4.77E-01	4.78E-01
2.62E+00	1.15E-01	4.82E-01	2.78E-01	2.34E-01	4.72E-01	4.73E-01	4.74E-01	4.76E-01
2.77E+00	1.13E-01	4.79E-01	2.76E-01	2.32E-01	4.69E-01	4.70E-01	4.71E-01	4.73E-01
2.93E+00	1.10E-01	4.76E-01	2.75E-01	2.30E-01	4.66E-01	4.67E-01	4.69E-01	4.70E-01
3.00E+00	1.09E-01	4.75E-01	2.74E-01	2.30E-01	4.65E-01	4.66E-01	4.67E-01	4.69E-01
3.10E+00	1.08E-01	4.73E-01	2.73E-01	2.29E-01	4.63E-01	4.64E-01	4.66E-01	4.67E-01
3.28E+00	1.05E-01	4.70E-01	2.71E-01	2.27E-01	4.60E-01	4.61E-01	4.62E-01	4.64E-01
3.48E+00	1.02E-01	4.66E-01	2.69E-01	2.25E-01	4.56E-01	4.58E-01	4.59E-01	4.60E-01
3.68E+00	9.89E-02	4.63E-01	2.66E-01	2.23E-01	4.53E-01	4.54E-01	4.55E-01	4.57E-01
3.89E+00	9.09E-02	4.59E-01	2.64E-01	2.21E-01	4.49E-01	4.51E-01	4.52E-01	4.53E-01
4.12E+00	7.22E-02	4.55E-01	2.62E-01	2.19E-01	4.45E-01	4.47E-01	4.48E-01	4.49E-01
4.36E+00	5.10E-02	4.51E-01	2.59E-01	2.17E-01	4.41E-01	4.43E-01	4.44E-01	4.45E-01
4.61E+00	2.95E-02	4.47E-01	2.56E-01	2.15E-01	4.37E-01	4.38E-01	4.40E-01	4.41E-01
4.88E+00	1.31E-02	4.42E-01	2.53E-01	2.13E-01	4.33E-01	4.34E-01	4.35E-01	4.36E-01
5.17E+00	2.94E-03	4.37E-01	2.50E-01	2.10E-01	4.28E-01	4.29E-01	4.30E-01	4.32E-01
5.47E+00	1.44E-06	4.32E-01	2.47E-01	2.08E-01	4.23E-01	4.24E-01	4.25E-01	4.27E-01
5.78E+00	0.00E+00	4.27E-01	2.44E-01	2.05E-01	4.18E-01	4.19E-01	4.20E-01	4.22E-01
6.12E+00	0.00E+00	4.22E-01	2.41E-01	2.03E-01	4.13E-01	4.14E-01	4.15E-01	4.16E-01
6.48E+00	0.00E+00	4.16E-01	2.37E-01	2.00E-01	4.07E-01	4.08E-01	4.09E-01	4.11E-01
6.86E+00	0.00E+00	4.10E-01	2.34E-01	1.97E-01	4.01E-01	4.02E-01	4.04E-01	4.05E-01
7.26E+00	0.00E+00	4.04E-01	2.30E-01	1.94E-01	3.95E-01	3.96E-01	3.97E-01	3.99E-01
7.68E+00	0.00E+00	3.98E-01	2.26E-01	1.90E-01	3.89E-01	3.90E-01	3.91E-01	3.92E-01
8.13E+00	0.00E+00	3.91E-01	2.22E-01	1.87E-01	3.82E-01	3.83E-01	3.84E-01	3.86E-01
8.60E+00	0.00E+00	3.84E-01	2.18E-01	1.83E-01	3.75E-01	3.77E-01	3.78E-01	3.79E-01
9.10E+00	0.00E+00	3.77E-01	2.14E-01	1.80E-01	3.68E-01	3.70E-01	3.70E-01	3.72E-01
9.63E+00	0.00E+00	3.69E-01	2.09E-01	1.76E-01	3.61E-01	3.62E-01	3.63E-01	3.64E-01
1.00E+01	0.00E+00	3.64E-01	2.06E-01	1.73E-01	3.56E-01	3.57E-01	3.58E-01	3.59E-01
1.02E+01	0.00E+00	3.61E-01	2.04E-01	1.72E-01	3.53E-01	3.55E-01	3.55E-01	3.57E-01
1.08E+01	0.00E+00	3.53E-01	2.00E-01	1.68E-01	3.46E-01	3.47E-01	3.47E-01	3.49E-01
1.14E+01	0.00E+00	3.45E-01	1.95E-01	1.64E-01	3.37E-01	3.38E-01	3.39E-01	3.40E-01
1.21E+01	0.00E+00	3.36E-01	1.89E-01	1.60E-01	3.29E-01	3.30E-01	3.31E-01	3.32E-01
1.28E+01	0.00E+00	3.27E-01	1.84E-01	1.55E-01	3.20E-01	3.21E-01	3.22E-01	3.23E-01
1.35E+01	0.00E+00	3.18E-01	1.79E-01	1.51E-01	3.11E-01	3.12E-01	3.13E-01	3.14E-01
1.43E+01	0.00E+00	3.09E-01	1.73E-01	1.46E-01	3.02E-01	3.03E-01	3.04E-01	3.05E-01
1.51E+01	0.00E+00	2.99E-01	1.68E-01	1.41E-01	2.93E-01	2.94E-01	2.94E-01	2.95E-01
1.60E+01	0.00E+00	2.89E-01	1.62E-01	1.36E-01	2.83E-01	2.84E-01	2.85E-01	2.86E-01
1.70E+01	0.00E+00	2.79E-01	1.56E-01	1.31E-01	2.73E-01	2.74E-01	2.75E-01	2.76E-01
1.80E+01	0.00E+00	2.69E-01	1.50E-01	1.26E-01	2.63E-01	2.64E-01	2.65E-01	2.66E-01
1.90E+01	0.00E+00	2.59E-01	1.44E-01	1.21E-01	2.53E-01	2.54E-01	2.54E-01	2.55E-01

2.01E+01 0.00E+00 2.48E-01 1.38E-01 1.16E-01 2.43E-01 2.43E-01 2.44E-01 2.45E-01

2.13E+01 0.00E+00 2.37E-01 1.31E-01 1.10E-01 2.32E-01 2.33E-01 2.33E-01 2.34E-01

2.25E+01 0.00E+00 2.26E-01 1.25E-01 1.05E-01 2.21E-01 2.22E-01 2.23E-01 2.23E-01

2.38E+01 0.00E+00 2.15E-01 1.19E-01 1.00E-01 2.11E-01 2.11E-01 2.12E-01 2.13E-01

2.52E+01	0.00E+00	2.04E-01	1.13E-01	9.46E-02	2.00E-01	2.01E-01	2.01E-01	2.02E-01
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2.67E+01 0.00E+00 1.93E-01 1.06E-01 8.88E-02 1.89E-01 1.90E-01 1.90E-01 1.91E-01

2.82E+01 0.00E+00 1.82E-01 9.99E-02 8.36E-02 1.78E-01 1.79E-01 1.79E-01 1.80E-01

2.99E+01 0.00E+00 1.71E-01 9.37E-02 7.85E-02 1.68E-01 1.68E-01 1.69E-01 1.69E-01

3.00E+01 0.00E+00 1.71E-01 9.33E-02 7.81E-02 1.67E-01 1.67E-01 1.68E-01 1.68E-01

3.16E+01 0.00E+00 1.61E-01 8.75E-02 7.34E-02 1.57E-01 1.58E-01 1.58E-01 1.58E-01

3.35E+01 0.00E+00 1.50E-01 8.15E-02 6.84E-02 1.46E-01 1.47E-01 1.47E-01 1.48E-01

3.54E+01	0.00E+00	1.39E-01	7.55E-02	6.33E-02	1.36E-01	1.37E-01	1.37E-01	1.37E-01
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3.75E+01 0.00E+00 1.29E-01 6.96E-02 5.84E-02 1.26E-01 1.26E-01 1.27E-01 1.27E-01



3.97E+01	0.00E+00	1.19E-01	6.39E-02	5.38E-02	1.16E-01	1.16E-01	1.17E-01	1.17E-01
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4.20E+01 0.00E+00 1.09E-01 5.85E-02 4.93E-02 1.06E-01 1.07E-01 1.07E-01 1.07E-01

4.44E+01	0.00E+00	9.94E-02	5.32E-02	4.48E-02	9.72E-02	9.75E-02	9.78E-02	9.81E-02
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4.70E+01 0.00E+00 9.03E-02 4.81E-02 4.07E-02 8.83E-02 8.85E-02 8.88E-02 8.91E-02

4.97E+01 0.00E+00 8.16E-02 4.33E-02 3.67E-02 7.97E-02 8.00E-02 8.02E-02 8.05E-02

5.26E+01 0.00E+00 7.33E-02 3.88E-02 3.28E-02 7.16E-02 7.19E-02 7.20E-02 7.23E-02

5.57E+01    0.00E+00    6.55E-02    3.45E-02    2.92E-02    6.40E-02    6.42E-02    6.44E-02    6.46E-02

5.90E+01	0.00E+00	5.81E-02	3.05E-02	2.59E-02	5.68E-02	5.70E-02	5.71E-02	5.74E-02
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6.24E+01 0.00E+00 5.13E-02 2.68E-02 2.27E-02 5.01E-02 5.03E-02 5.04E-02 5.06E-02

6.60E+01 0.00E+00 4.46E-02 2.34E-02 1.98E-02 4.39E-02 4.41E-02 4.42E-02 4.44E-02

6.99E+01	0.00E+00	3.87E-02	2.03E-02	1.72E-02	3.83E-02	3.84E-02	3.85E-02	3.86E-02
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7.39E+01	0.00E+00	3.35E-02	1.74E-02	1.47E-02	3.31E-02	3.32E-02	3.33E-02	3.34E-02
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7.82E+01	0.00E+00	2.88E-02	1.49E-02	1.26E-02	2.85E-02	2.86E-02	2.86E-02	2.87E-02
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8.28E+01 0.00E+00 2.46E-02 1.27E-02 1.06E-02 2.43E-02 2.44E-02 2.45E-02 2.46E-02

8.76E+01 0.00E+00 2.09E-02 1.07E-02 8.94E-03 2.06E-02 2.07E-02 2.08E-02 2.08E-02

9.27E+01 0.00E+00 1.77E-02 8.94E-03 7.48E-03 1.74E-02 1.75E-02 1.75E-02 1.76E-02



9.81E+01 0.00E+00 1.48E-02 7.46E-03 6.21E-03 1.46E-02 1.47E-02 1.47E-02 1.48E-02

1.00E+02 0.00E+00 1.40E-02 7.01E-03 5.85E-03 1.38E-02 1.39E-02 1.39E-02 1.39E-02

1.04E+02 0.00E+00 1.24E-02 6.19E-03 5.16E-03 1.23E-02 1.23E-02 1.24E-02 1.24E-02

1.10E+02 0.00E+00 1.04E-02 5.13E-03 4.26E-03 1.03E-02 1.03E-02 1.03E-02 1.04E-02

1.16E+02 0.00E+00 8.71E-03 4.25E-03 3.49E-03 8.58E-03 8.61E-03 8.64E-03 8.67E-03

1.23E+02	0.00E+00	7.31E-03	3.53E-03	2.91E-03	7.19E-03	7.23E-03	7.25E-03	7.28E-03
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1.30E+02    0.00E+00    6.18E-03    2.94E-03    2.42E-03    6.06E-03    6.10E-03    6.12E-03    6.15E-03

1.38E+02    0.00E+00    5.27E-03    2.48E-03    2.03E-03    5.16E-03    5.21E-03    5.23E-03    5.25E-03



1.46E+02 0.00E+00 4.56E-03 2.11E-03 1.73E-03 4.45E-03 4.50E-03 4.52E-03 4.54E-03

1.54E+02	0.00E+00	4.01E-03	1.83E-03	1.51E-03	3.90E-03	3.95E-03	3.97E-03	3.99E-03
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1.63E+02    0.00E+00    3.59E-03    1.61E-03    1.33E-03    3.49E-03    3.54E-03    3.55E-03    3.58E-03

1.73E+02 0.00E+00 3.28E-03 1.44E-03 1.21E-03 3.17E-03 3.23E-03 3.24E-03 3.27E-03

1.83E+02 0.00E+00 3.06E-03 1.31E-03 1.11E-03 2.95E-03 3.00E-03 3.02E-03 3.04E-03

1.94E+02 0.00E+00 2.89E-03 1.21E-03 1.03E-03 2.78E-03 2.84E-03 2.86E-03 2.88E-03

2.05E+02	0.00E+00	2.78E-03	1.14E-03	9.59E-04	2.63E-03	2.72E-03	2.74E-03	2.76E-03
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2.17E+02	0.00E+00	2.70E-03	1.07E-03	9.21E-04	2.53E-03	2.64E-03	2.66E-03	2.68E-03
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2.29E+02 0.00E+00 2.64E-03 1.02E-03 8.83E-04 2.43E-03 2.58E-03 2.61E-03 2.63E-03

2.43E+02	0.00E+00	2.61E-03	9.80E-04	8.42E-04	2.36E-03	2.54E-03	2.57E-03	2.59E-03
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2.57E+02    0.00E+00    2.58E-03    9.43E-04    8.03E-04    2.31E-03    2.52E-03    2.54E-03    2.57E-03

2.72E+02	0.00E+00	2.56E-03	9.07E-04	7.79E-04	2.25E-03	2.49E-03	2.52E-03	2.55E-03
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2.88E+02	0.00E+00	2.55E-03	8.75E-04	7.50E-04	2.20E-03	2.47E-03	2.50E-03	2.54E-03
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3.00E+02	0.00E+00	2.54E-03	8.53E-04	7.26E-04	2.17E-03	2.46E-03	2.50E-03	2.53E-03
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3.05E+02    0.00E+00    2.54E-03    8.45E-04    7.15E-04    2.17E-03    2.45E-03    2.49E-03    2.53E-03

3.22E+02 0.00E+00 2.53E-03 8.15E-04 6.87E-04 2.15E-03 2.42E-03 2.48E-03 2.51E-03



3.41E+02    0.00E+00    2.53E-03    7.86E-04    6.76E-04    2.08E-03    2.40E-03    2.47E-03    2.50E-03

3.61E+02    0.00E+00    2.52E-03    7.57E-04    6.42E-04    1.94E-03    2.39E-03    2.46E-03    2.49E-03

3.82E+02	0.00E+00	2.51E-03	7.28E-04	6.07E-04	1.87E-03	2.37E-03	2.45E-03	2.49E-03
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4.04E+02 0.00E+00 2.50E-03 7.00E-04 5.85E-04 1.79E-03 2.36E-03 2.44E-03 2.48E-03

4.28E+02 0.00E+00 2.50E-03 6.71E-04 5.61E-04 1.73E-03 2.35E-03 2.43E-03 2.47E-03

4.53E+02 0.00E+00 2.49E-03 6.44E-04 5.33E-04 1.64E-03 2.33E-03 2.42E-03 2.47E-03

4.79E+02 0.00E+00 2.48E-03 6.17E-04 4.95E-04 1.58E-03 2.31E-03 2.41E-03 2.46E-03

5.07E+02    0.00E+00    2.47E-03    5.90E-04    4.55E-04    1.55E-03    2.30E-03    2.38E-03    2.45E-03



5.36E+02	0.00E+00	2.46E-03	5.63E-04	4.02E-04	1.53E-03	2.21E-03	2.34E-03	2.44E-03
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5.68E+02	0.00E+00	2.45E-03	5.38E-04	3.32E-04	1.51E-03	2.17E-03	2.32E-03	2.41E-03
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6.01E+02    0.00E+00    2.45E-03    5.13E-04    2.68E-04    1.50E-03    2.13E-03    2.29E-03    2.41E-03

6.36E+02	0.00E+00	2.45E-03	4.90E-04	1.69E-04	1.44E-03	2.11E-03	2.27E-03	2.41E-03
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6.73E+02    0.00E+00    2.44E-03    4.68E-04    8.93E-05    1.36E-03    2.10E-03    2.25E-03    2.40E-03

7.12E+02    0.00E+00    2.44E-03    4.46E-04    6.00E-05    1.33E-03    2.04E-03    2.22E-03    2.39E-03

7.53E+02    0.00E+00    2.44E-03    4.25E-04    4.69E-05    1.32E-03    1.93E-03    2.20E-03    2.38E-03

7.97E+02    0.00E+00    2.43E-03    4.05E-04    4.05E-05    1.28E-03    1.90E-03    2.18E-03    2.37E-03



8.44E+02    0.00E+00    2.43E-03    3.86E-04    3.76E-05    1.27E-03    1.88E-03    2.16E-03    2.35E-03

8.93E+02	0.00E+00	2.42E-03	3.69E-04	3.32E-05	1.22E-03	1.86E-03	2.14E-03	2.34E-03
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9.45E+02    0.00E+00    2.42E-03    3.53E-04    2.97E-05    1.17E-03    1.86E-03    2.11E-03    2.33E-03

1.00E+03    0.00E+00    2.41E-03    3.38E-04    2.78E-05    1.13E-03    1.82E-03    2.09E-03    2.28E-03

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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 CM-244.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	3.099E-01
2	0.000E+00	3.099E-01
3	0.000E+00	3.098E-01

Title : RESRAD Default Parameters  
Input File : FCS SOIL UNCERTAINTY ANALYSIS CM-244.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	18	0.00	18	0.00
Contaminated zone b parameter	15	-0.01	16	0.00	11	0.03	11	0.00
Evapotranspiration coefficient	11	-0.02	11	-0.01	14	-0.02	14	0.00
Wind Speed	8	-0.04	8	-0.01	4	-0.22	4	-0.03
Runoff coefficient	5	-0.06	5	-0.02	5	0.10	5	0.01
Well pump intake depth	9	-0.04	9	-0.01	15	0.02	15	0.00
b Parameter of Unsaturated zone 1	4	-0.08	4	-0.02	12	-0.03	12	0.00
Mass loading for inhalation	3	0.10	3	0.03	3	0.26	3	0.03
Indoor dust filtration factor	7	0.04	7	0.01	2	0.33	2	0.04
Depth of soil mixing layer	10	0.02	10	0.01	17	0.01	17	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	12	-0.01	12	0.00	13	-0.02	13	0.00
Weathering removal constant of all vegetation	18	0.00	18	0.00	7	-0.06	7	-0.01
Wet foliar interception fraction of leafy vegetables	16	-0.01	15	0.00	16	0.01	16	0.00
Humidity in air	13	0.01	13	0.00	10	-0.03	10	0.00
Kd of Cm-244 in Contaminated Zone	14	0.01	14	0.00	9	-0.05	9	-0.01
Kd of Cm-244 in Unsaturated Zone 1	6	0.05	6	0.01	8	0.05	8	0.01
Kd of Cm-244 in Saturated Zone	17	-0.01	17	0.00	6	0.06	6	0.01

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 CM-244.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	4 -0.12	4 -0.03	5 -0.08	5 -0.01
Contaminated zone b parameter	13 -0.02	13 -0.01	17 -0.01	17 0.00
Evapotranspiration coefficient	14 0.02	14 0.00	9 -0.05	9 -0.01
Wind Speed	10 -0.04	10 -0.01	4 -0.17	4 -0.02
Runoff coefficient	9 0.05	9 0.01	16 -0.01	16 0.00
Well pump intake depth	5 -0.11	5 -0.03	15 0.01	15 0.00
b Parameter of Unsaturated zone 1	7 -0.09	7 -0.02	8 0.05	8 0.01
Mass loading for inhalation	2 0.16	2 0.05	2 0.37	2 0.04
Indoor dust filtration factor	3 0.12	3 0.03	3 0.29	3 0.03
Depth of soil mixing layer	16 -0.01	16 0.00	11 -0.03	11 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	18 0.00	18 0.00	6 0.07	6 0.01
Weathering removal constant of all vegetation	8 0.07	8 0.02	12 -0.03	12 0.00
Wet foliar interception fraction of leafy vegetables	11 0.03	11 0.01	7 0.06	7 0.01
Humidity in air	12 0.02	12 0.01	14 -0.02	14 0.00
Kd of Cm-244 in Contaminated Zone	6 -0.11	6 -0.03	18 -0.01	18 0.00
Kd of Cm-244 in Unsaturated Zone 1	15 -0.02	15 0.00	13 0.02	13 0.00
Kd of Cm-244 in Saturated Zone	17 0.00	17 0.00	10 0.04	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 CM-244.RAD

Coefficients for peak All Pathways Dose

Coefficient =	PCC	SRC	PRCC	SRRC
Repetition =	3	3	3	3

Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Contaminated zone erosion rate	10	-0.05	10	-0.01	8	0.07	8	0.01
Contaminated zone b parameter	9	-0.06	9	-0.02	11	-0.04	11	0.00
Evapotranspiration coefficient	17	-0.01	17	0.00	18	-0.01	18	0.00
Wind Speed	3	-0.08	3	-0.02	3	-0.29	3	-0.03
Runoff coefficient	2	-0.09	2	-0.03	7	-0.07	7	-0.01
Well pump intake depth	4	0.07	4	0.02	15	0.04	15	0.00
b Parameter of Unsaturated zone 1	14	0.03	14	0.01	12	-0.04	12	0.00
Mass loading for inhalation	5	0.06	5	0.02	2	0.31	2	0.04
Indoor dust filtration factor	6	0.06	6	0.02	4	0.29	4	0.03
Depth of soil mixing layer	12	-0.04	12	-0.01	14	-0.04	14	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	18	0.00	18	0.00	16	-0.03	16	0.00
Weathering removal constant of all vegetation	7	-0.06	7	-0.02	5	-0.11	5	-0.01
Wet foliar interception fraction of leafy vegetables	13	-0.03	13	-0.01	6	0.10	6	0.01
Humidity in air	16	0.01	16	0.00	10	-0.05	10	-0.01
Kd of Cm-244 in Contaminated Zone	8	0.06	8	0.02	9	0.06	9	0.01
Kd of Cm-244 in Unsaturated Zone 1	11	-0.04	11	-0.01	17	0.03	17	0.00
Kd of Cm-244 in Saturated Zone	15	0.02	15	0.01	13	-0.04	13	0.00
R-SQUARE	0.92		0.92		0.99		0.99	

-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.