

Probabilistic results summary : RESRAD Default Parameters

File : C:\USERS\DNF\DOCUMENTS\FT CALHOUN\RESRAD INPUT FILES\SOIL UNCERTAINTY ANALYSIS\FCS SOIL UNCERTAINTY ANALYSIS PU-240.RAD

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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
Pu-240										
Min	0.00E+00	2.89E-01	2.89E-01	2.75E-01	1.96E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-10
Max	1.00E+03	3.93E+00	9.73E-01	9.72E-01	9.72E-01	9.71E-01	9.69E-01	9.59E-01	2.46E+00	3.60E+00
Avg	3.20E+01	5.85E-01	5.64E-01	5.62E-01	5.59E-01	5.47E-01	5.25E-01	4.64E-01	3.08E-01	1.54E-01
Std	1.68E+02	2.99E-01	2.36E-01	2.36E-01	2.37E-01	2.43E-01	2.48E-01	2.49E-01	2.77E-01	3.00E-01
ALL										
Min	0.00E+00	2.89E-01	2.89E-01	2.75E-01	1.96E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E-10
Max	1.00E+03	3.93E+00	9.73E-01	9.72E-01	9.72E-01	9.71E-01	9.69E-01	9.59E-01	2.46E+00	3.60E+00
Avg	3.20E+01	5.85E-01	5.64E-01	5.62E-01	5.59E-01	5.47E-01	5.25E-01	4.64E-01	3.08E-01	1.54E-01
Std	1.68E+02	2.99E-01	2.36E-01	2.36E-01	2.37E-01	2.43E-01	2.48E-01	2.49E-01	2.77E-01	3.00E-01

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
Pu-240									
Min		4.30E-07	4.29E-07	3.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-15
Max		1.52E-06	1.52E-06	1.52E-06	1.52E-06	1.52E-06	1.50E-06	2.86E-06	4.32E-06
Avg		8.48E-07	8.45E-07	8.40E-07	8.22E-07	7.89E-07	6.98E-07	4.59E-07	2.15E-07
Std		3.48E-07	3.48E-07	3.49E-07	3.59E-07	3.67E-07	3.68E-07	4.01E-07	3.98E-07
TOTAL									
Min		4.30E-07	4.29E-07	3.61E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.65E-15
Max		1.52E-06	1.52E-06	1.52E-06	1.52E-06	1.52E-06	1.50E-06	2.86E-06	4.32E-06
Avg		8.48E-07	8.45E-07	8.40E-07	8.22E-07	7.89E-07	6.98E-07	4.59E-07	2.15E-07
Std		3.48E-07	3.48E-07	3.49E-07	3.59E-07	3.67E-07	3.68E-07	4.01E-07	3.98E-07

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
Pu-240									
Min		6.89E-05	6.53E-05	5.86E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		7.08E-05	7.07E-05	7.07E-05	7.07E-05	7.06E-05	7.00E-05	6.85E-05	6.36E-05
Avg		7.07E-05	7.07E-05	7.07E-05	6.97E-05	6.82E-05	6.53E-05	5.09E-05	1.86E-05
Std		5.28E-08	1.55E-07	3.47E-07	7.08E-06	1.09E-05	1.42E-05	2.65E-05	2.63E-05
ΣALL									
Min		6.89E-05	6.53E-05	5.86E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		7.08E-05	7.07E-05	7.07E-05	7.07E-05	7.06E-05	7.00E-05	6.85E-05	6.36E-05
Avg		7.07E-05	7.07E-05	7.07E-05	6.97E-05	6.82E-05	6.53E-05	5.09E-05	1.86E-05
Std		5.28E-08	1.55E-07	3.47E-07	7.08E-06	1.09E-05	1.42E-05	2.65E-05	2.63E-05

ΣALL is total pathway dose summed for all nuclides.

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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
<hr/>								
Pu-240								
Min	1.63E-05	1.63E-05	1.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	3.62E-02	3.62E-02	3.62E-02	3.62E-02	3.61E-02	3.57E-02	3.47E-02	3.15E-02
Avg	5.84E-03	5.84E-03	5.84E-03	5.75E-03	5.62E-03	5.40E-03	3.93E-03	1.38E-03
Std	3.55E-03	3.55E-03	3.55E-03	3.56E-03	3.58E-03	3.57E-03	3.62E-03	2.67E-03
ΣALL								
Min	1.63E-05	1.63E-05	1.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	3.62E-02	3.62E-02	3.62E-02	3.62E-02	3.61E-02	3.57E-02	3.47E-02	3.15E-02
Avg	5.84E-03	5.84E-03	5.84E-03	5.75E-03	5.62E-03	5.40E-03	3.93E-03	1.38E-03
Std	3.55E-03	3.55E-03	3.55E-03	3.56E-03	3.58E-03	3.57E-03	3.62E-03	2.67E-03
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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
<hr/>									
Pu-240									
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/>									
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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Pu-240									
Min		2.16E-01	2.01E-01	1.25E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		8.68E-01	8.68E-01	8.67E-01	8.66E-01	8.64E-01	8.57E-01	8.38E-01	7.76E-01
Avg		4.88E-01	4.86E-01	4.82E-01	4.72E-01	4.51E-01	3.92E-01	2.40E-01	8.68E-02
Std		2.35E-01	2.35E-01	2.36E-01	2.41E-01	2.44E-01	2.42E-01	2.37E-01	1.73E-01
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ΣALL									
Min		2.16E-01	2.01E-01	1.25E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		8.68E-01	8.68E-01	8.67E-01	8.66E-01	8.64E-01	8.57E-01	8.38E-01	7.76E-01
Avg		4.88E-01	4.86E-01	4.82E-01	4.72E-01	4.51E-01	3.92E-01	2.40E-01	8.68E-02
Std		2.35E-01	2.35E-01	2.36E-01	2.41E-01	2.44E-01	2.42E-01	2.37E-01	1.73E-01
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ΣALL is total pathway dose summed for all nuclides.

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

Nuclide		DOSE(i,j,t), mrem/yr							
(j)	t=	0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
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Pu-240									
Min		1.87E-02	1.82E-02	1.64E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		1.97E-02	1.97E-02	1.97E-02	1.97E-02	1.96E-02	1.95E-02	1.91E-02	1.77E-02
Avg		1.91E-02	1.91E-02	1.91E-02	1.88E-02	1.84E-02	1.76E-02	1.28E-02	4.30E-03
Std		3.54E-04	3.56E-04	3.69E-04	2.06E-03	3.05E-03	3.85E-03	7.30E-03	6.58E-03
ΣALL									
Min		1.87E-02	1.82E-02	1.64E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		1.97E-02	1.97E-02	1.97E-02	1.97E-02	1.96E-02	1.95E-02	1.91E-02	1.77E-02
Avg		1.91E-02	1.91E-02	1.91E-02	1.88E-02	1.84E-02	1.76E-02	1.28E-02	4.30E-03
Std		3.54E-04	3.56E-04	3.69E-04	2.06E-03	3.05E-03	3.85E-03	7.30E-03	6.58E-03
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ΣALL 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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Pu-240									
Min		8.35E-04	8.32E-04	7.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		9.37E-04	9.37E-04	9.37E-04	9.36E-04	9.34E-04	9.27E-04	9.06E-04	8.41E-04
Avg		8.78E-04	8.77E-04	8.76E-04	8.62E-04	8.42E-04	8.01E-04	5.80E-04	1.95E-04
Std		3.61E-05	3.61E-05	3.65E-05	1.00E-04	1.43E-04	1.78E-04	3.32E-04	3.00E-04
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U-235									
Min		8.35E-04	8.32E-04	7.65E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		9.37E-04	9.37E-04	9.37E-04	9.36E-04	9.34E-04	9.27E-04	9.06E-04	8.41E-04
Avg		8.78E-04	8.77E-04	8.76E-04	8.62E-04	8.42E-04	8.01E-04	5.80E-04	1.95E-04
Std		3.61E-05	3.61E-05	3.65E-05	1.00E-04	1.43E-04	1.78E-04	3.32E-04	3.00E-04
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ALL 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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Pu-240									
Min		4.92E-02	4.66E-02	4.19E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		5.05E-02	5.05E-02	5.05E-02	5.05E-02	5.04E-02	5.00E-02	4.89E-02	4.54E-02
Avg		5.05E-02	5.05E-02	5.05E-02	4.97E-02	4.86E-02	4.66E-02	3.41E-02	1.15E-02
Std		3.77E-05	1.11E-04	2.65E-04	5.37E-03	8.02E-03	1.02E-02	1.95E-02	1.75E-02
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ALL									
Min		4.92E-02	4.66E-02	4.19E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		5.05E-02	5.05E-02	5.05E-02	5.05E-02	5.04E-02	5.00E-02	4.89E-02	4.54E-02
Avg		5.05E-02	5.05E-02	5.05E-02	4.97E-02	4.86E-02	4.66E-02	3.41E-02	1.15E-02
Std		3.77E-05	1.11E-04	2.65E-04	5.37E-03	8.02E-03	1.02E-02	1.95E-02	1.75E-02
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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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Pu-240									
Min		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.89E-10
Max		0.00E+00	0.00E+00	1.27E-05	1.18E-03	3.57E-02	3.05E-01	2.32E+00	3.23E+00
Avg		0.00E+00	0.00E+00	1.41E-08	2.86E-06	8.49E-05	1.74E-03	1.47E-02	4.47E-02
Std		0.00E+00	0.00E+00	3.95E-07	4.55E-05	1.10E-03	1.30E-02	1.01E-01	1.97E-01
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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	1.89E-10
Max		0.00E+00	0.00E+00	1.27E-05	1.18E-03	3.57E-02	3.05E-01	2.32E+00	3.23E+00
Avg		0.00E+00	0.00E+00	1.41E-08	2.86E-06	8.49E-05	1.74E-03	1.47E-02	4.47E-02
Std		0.00E+00	0.00E+00	3.95E-07	4.55E-05	1.10E-03	1.30E-02	1.01E-01	1.97E-01
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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/>									
Pu-240									
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.

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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/>									
Pu-240									
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 PU-240.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/>									
Pu-240									
Min		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-11
Max		0.00E+00	0.00E+00	8.30E-07	1.29E-04	2.23E-03	9.44E-02	4.24E-01	6.83E-01
Avg		0.00E+00	0.00E+00	7.13E-10	1.99E-07	6.58E-06	2.03E-04	1.59E-03	4.62E-03
Std		0.00E+00	0.00E+00	2.23E-08	3.73E-06	8.24E-05	2.65E-03	1.44E-02	2.99E-02
<hr/>									
ALL									
Min		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.60E-11
Max		0.00E+00	0.00E+00	8.30E-07	1.29E-04	2.23E-03	9.44E-02	4.24E-01	6.83E-01
Avg		0.00E+00	0.00E+00	7.13E-10	1.99E-07	6.58E-06	2.03E-04	1.59E-03	4.62E-03
Std		0.00E+00	0.00E+00	2.23E-08	3.73E-06	8.24E-05	2.65E-03	1.44E-02	2.99E-02
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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 PU-240.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/>									
Pu-240									
Min		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.19E-13
Max		0.00E+00	0.00E+00	1.01E-08	1.45E-06	4.45E-05	5.05E-04	2.55E-03	4.61E-03
Avg		0.00E+00	0.00E+00	1.27E-11	3.19E-09	1.03E-07	2.24E-06	1.86E-05	5.60E-05
Std		0.00E+00	0.00E+00	3.49E-10	5.14E-08	1.38E-06	1.85E-05	1.28E-04	2.62E-04
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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	7.19E-13
Max		0.00E+00	0.00E+00	1.01E-08	1.45E-06	4.45E-05	5.05E-04	2.55E-03	4.61E-03
Avg		0.00E+00	0.00E+00	1.27E-11	3.19E-09	1.03E-07	2.24E-06	1.86E-05	5.60E-05
Std		0.00E+00	0.00E+00	3.49E-10	5.14E-08	1.38E-06	1.85E-05	1.28E-04	2.62E-04
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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 PU-240.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
<hr/>									
Pu-240									
Min		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.39E-12
Max		0.00E+00	0.00E+00	7.32E-10	1.03E-07	3.14E-06	3.95E-05	1.77E-04	3.42E-04
Avg		0.00E+00	0.00E+00	9.49E-13	2.18E-10	7.29E-09	1.61E-07	1.32E-06	3.99E-06
Std		0.00E+00	0.00E+00	2.60E-11	3.52E-09	9.77E-08	1.39E-06	9.16E-06	1.90E-05
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U-235									
Min		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.39E-12
Max		0.00E+00	0.00E+00	7.32E-10	1.03E-07	3.14E-06	3.95E-05	1.77E-04	3.42E-04
Avg		0.00E+00	0.00E+00	9.49E-13	2.18E-10	7.29E-09	1.61E-07	1.32E-06	3.99E-06
Std		0.00E+00	0.00E+00	2.60E-11	3.52E-09	9.77E-08	1.39E-06	9.16E-06	1.90E-05
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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 PU-240.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	2.98E-01	2.97E-01	2.94E-01	2.81E-01	1.78E-02	3.80E-09	7.06E-09	2.56E-08
0.050	3.03E-01	3.02E-01	2.99E-01	2.93E-01	2.72E-01	1.79E-01	4.49E-08	8.16E-08
0.075	3.10E-01	3.09E-01	3.05E-01	2.98E-01	2.86E-01	2.18E-01	8.94E-08	1.51E-07
0.100	3.15E-01	3.15E-01	3.11E-01	3.04E-01	2.91E-01	2.30E-01	2.19E-07	2.54E-07
0.125	3.22E-01	3.21E-01	3.16E-01	3.10E-01	2.96E-01	2.47E-01	5.72E-05	3.97E-07
0.150	3.27E-01	3.26E-01	3.23E-01	3.16E-01	3.03E-01	2.58E-01	9.69E-04	5.92E-07
0.175	3.34E-01	3.33E-01	3.30E-01	3.24E-01	3.11E-01	2.67E-01	7.44E-03	1.40E-06
0.200	3.42E-01	3.39E-01	3.37E-01	3.30E-01	3.17E-01	2.76E-01	2.63E-02	2.48E-05
0.225	3.48E-01	3.47E-01	3.44E-01	3.37E-01	3.24E-01	2.82E-01	5.96E-02	1.31E-04
0.250	3.57E-01	3.56E-01	3.51E-01	3.45E-01	3.30E-01	2.91E-01	1.00E-01	2.70E-04
0.275	3.66E-01	3.63E-01	3.60E-01	3.55E-01	3.36E-01	2.98E-01	1.23E-01	5.46E-04
0.300	3.74E-01	3.73E-01	3.71E-01	3.63E-01	3.47E-01	3.05E-01	1.45E-01	9.57E-04
0.325	3.85E-01	3.83E-01	3.79E-01	3.72E-01	3.56E-01	3.14E-01	1.65E-01	1.32E-03
0.350	3.96E-01	3.94E-01	3.90E-01	3.82E-01	3.64E-01	3.22E-01	1.79E-01	2.10E-03
0.375	4.05E-01	4.04E-01	4.00E-01	3.93E-01	3.73E-01	3.31E-01	1.93E-01	2.90E-03
0.400	4.19E-01	4.17E-01	4.12E-01	4.04E-01	3.89E-01	3.40E-01	2.07E-01	4.04E-03
0.425	4.33E-01	4.31E-01	4.26E-01	4.17E-01	4.00E-01	3.49E-01	2.21E-01	6.05E-03
0.450	4.47E-01	4.45E-01	4.40E-01	4.31E-01	4.14E-01	3.58E-01	2.34E-01	7.61E-03
0.475	4.62E-01	4.58E-01	4.54E-01	4.46E-01	4.25E-01	3.70E-01	2.47E-01	9.91E-03
0.500	4.77E-01	4.74E-01	4.70E-01	4.60E-01	4.42E-01	3.82E-01	2.60E-01	1.40E-02
0.525	4.95E-01	4.91E-01	4.88E-01	4.77E-01	4.58E-01	4.00E-01	2.71E-01	1.96E-02
0.550	5.15E-01	5.11E-01	5.09E-01	5.03E-01	4.76E-01	4.14E-01	2.85E-01	2.59E-02
0.575	5.38E-01	5.36E-01	5.32E-01	5.24E-01	5.01E-01	4.28E-01	2.97E-01	3.50E-02
0.600	5.62E-01	5.60E-01	5.56E-01	5.47E-01	5.25E-01	4.53E-01	3.14E-01	4.91E-02
0.625	5.88E-01	5.85E-01	5.84E-01	5.70E-01	5.45E-01	4.75E-01	3.29E-01	6.27E-02
0.650	6.18E-01	6.16E-01	6.14E-01	6.05E-01	5.78E-01	5.02E-01	3.45E-01	8.35E-02
0.675	6.51E-01	6.46E-01	6.44E-01	6.35E-01	6.10E-01	5.24E-01	3.61E-01	1.12E-01
0.700	6.90E-01	6.87E-01	6.81E-01	6.70E-01	6.45E-01	5.53E-01	3.83E-01	1.42E-01
0.725	7.32E-01	7.30E-01	7.26E-01	7.11E-01	6.81E-01	5.83E-01	3.99E-01	1.77E-01
0.750	7.86E-01	7.85E-01	7.81E-01	7.52E-01	7.14E-01	6.18E-01	4.25E-01	2.13E-01
0.775	8.42E-01	8.41E-01	8.30E-01	8.17E-01	7.76E-01	6.59E-01	4.55E-01	2.63E-01
0.800	9.08E-01	9.03E-01	8.97E-01	8.84E-01	8.40E-01	7.04E-01	4.93E-01	2.94E-01
0.825	9.38E-01	9.38E-01	9.37E-01	9.29E-01	8.97E-01	7.81E-01	5.45E-01	3.20E-01
0.850	9.39E-01	9.39E-01	9.38E-01	9.36E-01	9.26E-01	8.42E-01	6.04E-01	3.58E-01
0.875	9.40E-01	9.40E-01	9.39E-01	9.37E-01	9.31E-01	8.91E-01	6.55E-01	4.08E-01
0.900	9.41E-01	9.41E-01	9.40E-01	9.39E-01	9.34E-01	9.14E-01	7.56E-01	4.89E-01
0.925	9.42E-01	9.42E-01	9.41E-01	9.40E-01	9.36E-01	9.21E-01	8.31E-01	5.79E-01
0.950	9.44E-01	9.44E-01	9.43E-01	9.41E-01	9.38E-01	9.27E-01	8.82E-01	6.99E-01
0.975	9.46E-01	9.46E-01	9.45E-01	9.44E-01	9.40E-01	9.30E-01	9.08E-01	8.31E-01
1.000	9.73E-01	9.72E-01	9.72E-01	9.71E-01	9.69E-01	9.59E-01	2.46E+00	3.60E+00

Probabilistic results summary : RESRAD Default Parameters

File : C:\USERS\DNF\DOCUMENTS\FT CALHOUN\RESRAD INPUT FILES\SOIL UNCERTAINTY ANALYSIS\FCS SOIL UNCERTAINTY ANALYSIS PU-240.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	2.90E-01	9.53E-01	5.64E-01	4.75E-01	9.41E-01	9.43E-01	9.45E-01	9.48E-01
1.00E+00	2.89E-01	9.53E-01	5.62E-01	4.71E-01	9.41E-01	9.43E-01	9.45E-01	9.48E-01
1.06E+00	2.89E-01	9.53E-01	5.62E-01	4.71E-01	9.41E-01	9.43E-01	9.45E-01	9.48E-01
1.12E+00	2.89E-01	9.53E-01	5.62E-01	4.71E-01	9.41E-01	9.43E-01	9.45E-01	9.48E-01
1.19E+00	2.89E-01	9.53E-01	5.62E-01	4.71E-01	9.41E-01	9.43E-01	9.45E-01	9.48E-01
1.25E+00	2.89E-01	9.53E-01	5.62E-01	4.71E-01	9.41E-01	9.43E-01	9.45E-01	9.48E-01
1.33E+00	2.89E-01	9.53E-01	5.62E-01	4.71E-01	9.41E-01	9.43E-01	9.45E-01	9.48E-01
1.40E+00	2.89E-01	9.53E-01	5.62E-01	4.71E-01	9.41E-01	9.43E-01	9.45E-01	9.48E-01
1.49E+00	2.89E-01	9.53E-01	5.62E-01	4.71E-01	9.41E-01	9.43E-01	9.45E-01	9.48E-01
1.57E+00	2.89E-01	9.53E-01	5.61E-01	4.71E-01	9.40E-01	9.43E-01	9.45E-01	9.48E-01
1.66E+00	2.89E-01	9.53E-01	5.61E-01	4.71E-01	9.40E-01	9.43E-01	9.45E-01	9.48E-01
1.76E+00	2.89E-01	9.53E-01	5.61E-01	4.70E-01	9.40E-01	9.43E-01	9.45E-01	9.48E-01
1.86E+00	2.88E-01	9.53E-01	5.61E-01	4.70E-01	9.40E-01	9.43E-01	9.45E-01	9.48E-01
1.97E+00	2.88E-01	9.53E-01	5.61E-01	4.70E-01	9.40E-01	9.43E-01	9.45E-01	9.48E-01
2.09E+00	2.88E-01	9.53E-01	5.61E-01	4.70E-01	9.40E-01	9.43E-01	9.45E-01	9.48E-01
2.21E+00	2.85E-01	9.53E-01	5.60E-01	4.70E-01	9.40E-01	9.43E-01	9.45E-01	9.48E-01
2.24E+00	2.81E-01	9.53E-01	5.60E-01	4.69E-01	9.40E-01	9.43E-01	9.45E-01	9.48E-01
2.27E+00	2.77E-01	9.53E-01	5.60E-01	4.69E-01	9.40E-01	9.43E-01	9.45E-01	9.48E-01
2.26E+00	2.71E-01	9.53E-01	5.60E-01	4.69E-01	9.40E-01	9.43E-01	9.45E-01	9.48E-01
2.27E+00	2.59E-01	9.53E-01	5.59E-01	4.69E-01	9.40E-01	9.43E-01	9.45E-01	9.48E-01
2.93E+00	2.46E-01	9.53E-01	5.59E-01	4.68E-01	9.40E-01	9.43E-01	9.44E-01	9.48E-01
3.00E+00	2.41E-01	9.53E-01	5.59E-01	4.68E-01	9.40E-01	9.43E-01	9.44E-01	9.48E-01
3.10E+00	2.33E-01	9.53E-01	5.59E-01	4.68E-01	9.40E-01	9.43E-01	9.44E-01	9.48E-01
3.28E+00	2.20E-01	9.53E-01	5.59E-01	4.68E-01	9.40E-01	9.43E-01	9.44E-01	9.48E-01
3.48E+00	2.04E-01	9.53E-01	5.58E-01	4.68E-01	9.40E-01	9.43E-01	9.44E-01	9.48E-01
3.68E+00	1.87E-01	9.53E-01	5.58E-01	4.68E-01	9.40E-01	9.43E-01	9.44E-01	9.48E-01
3.89E+00	1.66E-01	9.52E-01	5.57E-01	4.68E-01	9.40E-01	9.43E-01	9.44E-01	9.48E-01
4.12E+00	1.41E-01	9.52E-01	5.57E-01	4.68E-01	9.40E-01	9.43E-01	9.44E-01	9.48E-01
4.36E+00	1.11E-01	9.52E-01	5.57E-01	4.67E-01	9.40E-01	9.42E-01	9.44E-01	9.48E-01
4.61E+00	7.79E-02	9.52E-01	5.56E-01	4.67E-01	9.40E-01	9.42E-01	9.44E-01	9.47E-01
4.88E+00	4.46E-02	9.52E-01	5.56E-01	4.67E-01	9.40E-01	9.42E-01	9.44E-01	9.47E-01
5.17E+00	1.91E-02	9.52E-01	5.55E-01	4.67E-01	9.40E-01	9.42E-01	9.44E-01	9.47E-01
5.47E+00	3.78E-03	9.52E-01	5.55E-01	4.67E-01	9.39E-01	9.42E-01	9.44E-01	9.47E-01
5.78E+00	1.46E-06	9.52E-01	5.54E-01	4.66E-01	9.39E-01	9.42E-01	9.44E-01	9.47E-01
6.12E+00	0.00E+00	9.52E-01	5.54E-01	4.66E-01	9.39E-01	9.42E-01	9.44E-01	9.47E-01
6.48E+00	0.00E+00	9.52E-01	5.53E-01	4.66E-01	9.39E-01	9.42E-01	9.44E-01	9.47E-01
6.86E+00	0.00E+00	9.52E-01	5.52E-01	4.66E-01	9.39E-01	9.42E-01	9.43E-01	9.47E-01
7.26E+00	0.00E+00	9.52E-01	5.52E-01	4.65E-01	9.39E-01	9.42E-01	9.43E-01	9.47E-01
7.68E+00	0.00E+00	9.52E-01	5.51E-01	4.64E-01	9.39E-01	9.42E-01	9.43E-01	9.47E-01
8.13E+00	0.00E+00	9.52E-01	5.50E-01	4.64E-01	9.39E-01	9.42E-01	9.43E-01	9.46E-01
8.60E+00	0.00E+00	9.52E-01	5.50E-01	4.63E-01	9.39E-01	9.42E-01	9.43E-01	9.46E-01
9.10E+00	0.00E+00	9.52E-01	5.49E-01	4.62E-01	9.39E-01	9.41E-01	9.43E-01	9.46E-01
9.63E+00	0.00E+00	9.52E-01	5.48E-01	4.61E-01	9.39E-01	9.41E-01	9.43E-01	9.46E-01
1.00E+01	0.00E+00	9.52E-01	5.48E-01	4.61E-01	9.39E-01	9.41E-01	9.43E-01	9.46E-01
1.02E+01	0.00E+00	9.52E-01	5.47E-01	4.60E-01	9.38E-01	9.41E-01	9.43E-01	9.46E-01
1.08E+01	0.00E+00	9.52E-01	5.47E-01	4.60E-01	9.38E-01	9.41E-01	9.43E-01	9.46E-01
1.14E+01	0.00E+00	9.51E-01	5.46E-01	4.59E-01	9.38E-01	9.41E-01	9.43E-01	9.46E-01
1.21E+01	0.00E+00	9.51E-01	5.45E-01	4.57E-01	9.38E-01	9.41E-01	9.42E-01	9.45E-01
1.28E+01	0.00E+00	9.51E-01	5.44E-01	4.56E-01	9.38E-01	9.41E-01	9.42E-01	9.45E-01
1.35E+01	0.00E+00	9.51E-01	5.43E-01	4.55E-01	9.38E-01	9.41E-01	9.42E-01	9.45E-01
1.43E+01	0.00E+00	9.51E-01	5.42E-01	4.54E-01	9.38E-01	9.41E-01	9.42E-01	9.45E-01
1.51E+01	0.00E+00	9.51E-01	5.41E-01	4.53E-01	9.37E-01	9.40E-01	9.42E-01	9.44E-01
1.60E+01	0.00E+00	9.51E-01	5.40E-01	4.52E-01	9.37E-01	9.40E-01	9.42E-01	9.44E-01
1.70E+01	0.00E+00	9.51E-01	5.39E-01	4.51E-01	9.37E-01	9.40E-01	9.42E-01	9.44E-01
1.80E+01	0.00E+00	9.51E-01	5.38E-01	4.50E-01	9.37E-01	9.40E-01	9.41E-01	9.44E-01
1.90E+01	0.00E+00	9.50E-01	5.37E-01	4.48E-01	9.37E-01	9.39E-01	9.41E-01	9.43E-01

2.01E+01 0.00E+00 9.50E-01 5.36E-01 4.46E-01 9.36E-01 9.39E-01 9.41E-01 9.43E-01

2.13E+01	0.00E+00	9.50E-01	5.35E-01	4.45E-01	9.36E-01	9.39E-01	9.41E-01	9.43E-01
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2.25E+01	0.00E+00	9.50E-01	5.34E-01	4.44E-01	9.36E-01	9.39E-01	9.41E-01	9.43E-01
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2.38E+01	0.00E+00	9.50E-01	5.33E-01	4.43E-01	9.36E-01	9.39E-01	9.41E-01	9.43E-01
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2.52E+01	0.00E+00	9.50E-01	5.31E-01	4.42E-01	9.35E-01	9.38E-01	9.40E-01	9.42E-01
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2.67E+01 0.00E+00 9.49E-01 5.30E-01 4.41E-01 9.35E-01 9.38E-01 9.40E-01 9.42E-01

2.82E+01 0.00E+00 9.49E-01 5.28E-01 4.40E-01 9.35E-01 9.38E-01 9.40E-01 9.42E-01

2.99E+01	0.00E+00	9.49E-01	5.27E-01	4.39E-01	9.34E-01	9.37E-01	9.40E-01	9.41E-01
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3.00E+01	0.00E+00	9.49E-01	5.27E-01	4.39E-01	9.34E-01	9.37E-01	9.39E-01	9.41E-01
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3.16E+01	0.00E+00	9.49E-01	5.25E-01	4.38E-01	9.34E-01	9.37E-01	9.39E-01	9.41E-01
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3.35E+01	0.00E+00	9.48E-01	5.23E-01	4.37E-01	9.34E-01	9.37E-01	9.39E-01	9.41E-01
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3.54E+01	0.00E+00	9.48E-01	5.21E-01	4.35E-01	9.33E-01	9.37E-01	9.39E-01	9.41E-01
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3.75E+01	0.00E+00	9.48E-01	5.19E-01	4.33E-01	9.33E-01	9.37E-01	9.39E-01	9.41E-01
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3.97E+01	0.00E+00	9.48E-01	5.17E-01	4.32E-01	9.32E-01	9.36E-01	9.38E-01	9.40E-01
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4.20E+01	0.00E+00	9.47E-01	5.15E-01	4.30E-01	9.32E-01	9.36E-01	9.38E-01	9.40E-01
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4.44E+01	0.00E+00	9.47E-01	5.13E-01	4.28E-01	9.31E-01	9.35E-01	9.38E-01	9.40E-01
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4.70E+01	0.00E+00	9.46E-01	5.10E-01	4.27E-01	9.30E-01	9.35E-01	9.37E-01	9.40E-01
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4.97E+01 0.00E+00 9.46E-01 5.08E-01 4.26E-01 9.29E-01 9.35E-01 9.37E-01 9.39E-01

5.26E+01 0.00E+00 9.46E-01 5.05E-01 4.22E-01 9.28E-01 9.34E-01 9.36E-01 9.39E-01

5.57E+01 0.00E+00 9.45E-01 5.02E-01 4.21E-01 9.27E-01 9.34E-01 9.36E-01 9.38E-01

5.90E+01 0.00E+00 9.45E-01 4.99E-01 4.20E-01 9.26E-01 9.33E-01 9.36E-01 9.38E-01

6.24E+01	0.00E+00	9.44E-01	4.96E-01	4.17E-01	9.26E-01	9.32E-01	9.35E-01	9.37E-01
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6.60E+01	0.00E+00	9.44E-01	4.93E-01	4.13E-01	9.24E-01	9.31E-01	9.34E-01	9.37E-01
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6.99E+01 0.00E+00 9.43E-01 4.89E-01 4.11E-01 9.23E-01 9.31E-01 9.34E-01 9.37E-01

7.39E+01	0.00E+00	9.43E-01	4.86E-01	4.08E-01	9.22E-01	9.30E-01	9.33E-01	9.36E-01
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7.82E+01	0.00E+00	9.42E-01	4.82E-01	4.04E-01	9.21E-01	9.30E-01	9.33E-01	9.36E-01
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8.28E+01	0.00E+00	9.42E-01	4.78E-01	3.99E-01	9.20E-01	9.29E-01	9.32E-01	9.35E-01
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8.76E+01	0.00E+00	9.41E-01	4.74E-01	3.90E-01	9.19E-01	9.29E-01	9.32E-01	9.33E-01
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9.27E+01	0.00E+00	9.41E-01	4.70E-01	3.88E-01	9.17E-01	9.28E-01	9.31E-01	9.33E-01
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9.81E+01 0.00E+00 9.41E-01 4.65E-01 3.82E-01 9.14E-01 9.27E-01 9.30E-01 9.32E-01

1.00E+02 0.00E+00 9.41E-01 4.63E-01 3.80E-01 9.14E-01 9.27E-01 9.30E-01 9.32E-01

1.04E+02 0.00E+00 9.39E-01 4.60E-01 3.77E-01 9.07E-01 9.26E-01 9.29E-01 9.31E-01

1.10E+02	0.00E+00	9.38E-01	4.55E-01	3.71E-01	9.03E-01	9.26E-01	9.29E-01	9.31E-01
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1.16E+02 0.00E+00 9.37E-01 4.50E-01 3.66E-01 9.01E-01 9.25E-01 9.28E-01 9.30E-01

1.23E+02 0.00E+00 9.36E-01 4.44E-01 3.63E-01 8.93E-01 9.23E-01 9.27E-01 9.29E-01

1.30E+02 0.00E+00 9.35E-01 4.39E-01 3.60E-01 8.90E-01 9.19E-01 9.26E-01 9.28E-01

1.38E+02 0.00E+00 9.33E-01 4.32E-01 3.55E-01 8.81E-01 9.18E-01 9.26E-01 9.28E-01

1.46E+02 0.00E+00 9.30E-01 4.26E-01 3.50E-01 8.69E-01 9.16E-01 9.25E-01 9.27E-01

1.54E+02 0.00E+00 9.29E-01 4.19E-01 3.46E-01 8.62E-01 9.15E-01 9.23E-01 9.26E-01

1.63E+02 0.00E+00 9.28E-01 4.11E-01 3.41E-01 8.56E-01 9.14E-01 9.23E-01 9.25E-01

1.73E+02 0.00E+00 1.02E+00 4.03E-01 3.30E-01 8.48E-01 9.12E-01 9.22E-01 9.24E-01

1.83E+02 0.00E+00 1.13E+00 3.94E-01 3.22E-01 8.38E-01 9.10E-01 9.21E-01 9.23E-01

1.94E+02 0.00E+00 1.23E+00 3.84E-01 3.17E-01 8.33E-01 9.08E-01 9.20E-01 9.22E-01

2.05E+02 0.00E+00 1.33E+00 3.73E-01 3.10E-01 8.19E-01 9.06E-01 9.17E-01 9.21E-01

2.17E+02 0.00E+00 1.42E+00 3.62E-01 3.06E-01 8.09E-01 8.97E-01 9.15E-01 9.20E-01

2.29E+02 0.00E+00 1.51E+00 3.51E-01 2.99E-01 8.01E-01 8.94E-01 9.13E-01 9.18E-01

2.43E+02 0.00E+00 1.60E+00 3.41E-01 2.93E-01 7.91E-01 8.89E-01 9.12E-01 9.17E-01

2.57E+02 0.00E+00 1.67E+00 3.31E-01 2.86E-01 7.76E-01 8.78E-01 9.10E-01 9.16E-01

2.72E+02 0.00E+00 1.74E+00 3.21E-01 2.75E-01 7.60E-01 8.75E-01 9.10E-01 9.15E-01

2.88E+02 0.00E+00 1.81E+00 3.11E-01 2.66E-01 7.49E-01 8.71E-01 9.07E-01 9.13E-01

3.00E+02 0.00E+00 1.87E+00 3.04E-01 2.60E-01 7.37E-01 8.68E-01 9.06E-01 9.11E-01

3.05E+02 0.00E+00 1.90E+00 3.02E-01 2.58E-01 7.36E-01 8.66E-01 9.03E-01 9.11E-01

3.22E+02 0.00E+00 2.02E+00 2.92E-01 2.50E-01 7.16E-01 8.53E-01 9.01E-01 9.09E-01

3.41E+02 0.00E+00 2.14E+00 2.83E-01 2.41E-01 6.96E-01 8.41E-01 8.97E-01 9.07E-01

3.61E+02	0.00E+00	2.27E+00	2.74E-01	2.28E-01	6.84E-01	8.36E-01	8.94E-01	9.06E-01
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3.82E+02	0.00E+00	2.40E+00	2.65E-01	2.19E-01	6.76E-01	8.30E-01	8.92E-01	9.03E-01
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4.04E+02 2.79E-11 2.54E+00 2.57E-01 2.05E-01 6.60E-01 8.19E-01 8.85E-01 9.01E-01

4.28E+02 2.04E-10 2.69E+00 2.49E-01 1.92E-01 6.51E-01 8.19E-01 8.92E-01 8.99E-01

4.53E+02 2.13E-10 2.84E+00 2.41E-01 1.80E-01 6.41E-01 8.22E-01 8.89E-01 9.30E-01

4.79E+02 2.23E-10 2.99E+00 2.33E-01 1.67E-01 6.31E-01 8.10E-01 8.86E-01 9.62E-01

5.07E+02 2.33E-10 3.16E+00 2.26E-01 1.52E-01 6.32E-01 8.06E-01 8.86E-01 9.95E-01

5.36E+02 2.44E-10 3.33E+00 2.19E-01 1.32E-01 6.07E-01 8.02E-01 8.83E-01 1.03E+00

5.68E+02 2.56E-10 3.50E+00 2.13E-01 1.11E-01 5.99E-01 7.92E-01 8.80E-01 1.07E+00

6.01E+02 1.40E-09 3.69E+00 2.07E-01 9.42E-02 5.98E-01 7.79E-01 8.75E-01 1.10E+00

6.36E+02 1.50E-09 3.88E+00 2.01E-01 8.13E-02 5.89E-01 7.73E-01 8.69E-01 1.14E+00

6.73E+02 1.61E-09 3.87E+00 1.96E-01 5.25E-02 5.86E-01 7.65E-01 8.65E-01 1.18E+00

7.12E+02 1.73E-09 3.80E+00 1.90E-01 4.34E-02 5.75E-01 7.58E-01 8.61E-01 1.22E+00

7.53E+02 1.85E-09 3.72E+00 1.85E-01 3.36E-02 5.72E-01 7.49E-01 8.61E-01 1.21E+00

7.97E+02 1.98E-09 3.64E+00 1.80E-01 2.50E-02 5.70E-01 7.42E-01 8.56E-01 1.21E+00

8.44E+02 2.11E-09 3.55E+00 1.76E-01 2.11E-02 5.52E-01 7.34E-01 8.51E-01 1.20E+00

8.93E+02 2.25E-09 3.47E+00 1.71E-01 1.94E-02 5.50E-01 7.36E-01 8.48E-01 1.19E+00

9.45E+02 2.40E-09 3.52E+00 1.67E-01 1.68E-02 5.47E-01 7.15E-01 8.43E-01 1.19E+00

1.00E+03 2.56E-09 3.60E+00 1.63E-01 1.21E-02 5.45E-01 7.19E-01 8.40E-01 1.18E+00

Probabilistic results summary : RESRAD Default Parameters

File : C:\USERS\DNF\DOCUMENTS\FT CALHOUN\RESRAD INPUT FILES\SOIL UNCERTAINTY ANALYSIS\FCS SOIL UNCERTAINTY ANALYSIS PU-240.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	2.91E-01	9.73E-01	5.64E-01	4.77E-01	9.41E-01	9.44E-01	9.46E-01	9.48E-01
1.00E+00	2.91E-01	9.72E-01	5.62E-01	4.74E-01	9.41E-01	9.44E-01	9.46E-01	9.48E-01
1.06E+00	2.90E-01	9.72E-01	5.62E-01	4.73E-01	9.41E-01	9.44E-01	9.46E-01	9.48E-01
1.12E+00	2.90E-01	9.72E-01	5.62E-01	4.73E-01	9.41E-01	9.44E-01	9.46E-01	9.48E-01
1.19E+00	2.90E-01	9.72E-01	5.62E-01	4.73E-01	9.41E-01	9.44E-01	9.46E-01	9.48E-01
1.25E+00	2.90E-01	9.72E-01	5.62E-01	4.73E-01	9.41E-01	9.44E-01	9.46E-01	9.48E-01
1.33E+00	2.90E-01	9.72E-01	5.62E-01	4.73E-01	9.41E-01	9.44E-01	9.46E-01	9.48E-01
1.40E+00	2.90E-01	9.72E-01	5.61E-01	4.73E-01	9.41E-01	9.44E-01	9.46E-01	9.48E-01
1.49E+00	2.90E-01	9.72E-01	5.61E-01	4.73E-01	9.41E-01	9.44E-01	9.45E-01	9.48E-01
1.57E+00	2.89E-01	9.72E-01	5.61E-01	4.73E-01	9.41E-01	9.44E-01	9.45E-01	9.47E-01
1.66E+00	2.89E-01	9.72E-01	5.61E-01	4.72E-01	9.41E-01	9.43E-01	9.45E-01	9.47E-01
1.76E+00	2.85E-01	9.72E-01	5.61E-01	4.72E-01	9.41E-01	9.43E-01	9.45E-01	9.47E-01
1.86E+00	2.78E-01	9.72E-01	5.60E-01	4.72E-01	9.41E-01	9.43E-01	9.45E-01	9.47E-01
1.97E+00	2.71E-01	9.72E-01	5.60E-01	4.72E-01	9.41E-01	9.43E-01	9.45E-01	9.47E-01
2.09E+00	2.63E-01	9.72E-01	5.60E-01	4.72E-01	9.41E-01	9.43E-01	9.45E-01	9.47E-01
2.21E+00	2.54E-01	9.72E-01	5.60E-01	4.72E-01	9.41E-01	9.43E-01	9.45E-01	9.47E-01
2.24E+00	2.46E-01	9.72E-01	5.60E-01	4.72E-01	9.41E-01	9.43E-01	9.45E-01	9.47E-01
2.27E+00	2.36E-01	9.72E-01	5.59E-01	4.71E-01	9.41E-01	9.43E-01	9.45E-01	9.47E-01
2.26E+00	2.26E-01	9.72E-01	5.59E-01	4.71E-01	9.41E-01	9.43E-01	9.45E-01	9.47E-01
2.27E+00	2.15E-01	9.72E-01	5.59E-01	4.71E-01	9.41E-01	9.43E-01	9.45E-01	9.47E-01
2.29E+00	2.02E-01	9.72E-01	5.58E-01	4.71E-01	9.40E-01	9.43E-01	9.45E-01	9.47E-01
3.00E+00	1.96E-01	9.72E-01	5.58E-01	4.71E-01	9.40E-01	9.43E-01	9.45E-01	9.47E-01
3.10E+00	1.86E-01	9.72E-01	5.58E-01	4.71E-01	9.40E-01	9.43E-01	9.45E-01	9.47E-01
3.28E+00	1.69E-01	9.72E-01	5.58E-01	4.70E-01	9.40E-01	9.43E-01	9.45E-01	9.47E-01
3.48E+00	1.49E-01	9.72E-01	5.57E-01	4.70E-01	9.40E-01	9.43E-01	9.45E-01	9.47E-01
3.68E+00	1.26E-01	9.72E-01	5.57E-01	4.70E-01	9.40E-01	9.43E-01	9.45E-01	9.47E-01
3.89E+00	1.03E-01	9.72E-01	5.56E-01	4.69E-01	9.40E-01	9.43E-01	9.45E-01	9.47E-01
4.12E+00	7.78E-02	9.72E-01	5.56E-01	4.66E-01	9.40E-01	9.43E-01	9.45E-01	9.47E-01
4.36E+00	5.15E-02	9.72E-01	5.55E-01	4.66E-01	9.40E-01	9.43E-01	9.45E-01	9.47E-01
4.61E+00	2.80E-02	9.72E-01	5.55E-01	4.66E-01	9.40E-01	9.43E-01	9.45E-01	9.47E-01
4.88E+00	1.09E-02	9.72E-01	5.54E-01	4.65E-01	9.40E-01	9.43E-01	9.45E-01	9.47E-01
5.17E+00	1.43E-03	9.72E-01	5.54E-01	4.64E-01	9.40E-01	9.43E-01	9.45E-01	9.47E-01
5.47E+00	5.22E-07	9.72E-01	5.53E-01	4.63E-01	9.40E-01	9.43E-01	9.45E-01	9.47E-01
5.78E+00	0.00E+00	9.72E-01	5.53E-01	4.63E-01	9.40E-01	9.43E-01	9.45E-01	9.47E-01
6.12E+00	0.00E+00	9.72E-01	5.52E-01	4.62E-01	9.40E-01	9.42E-01	9.44E-01	9.46E-01
6.48E+00	0.00E+00	9.72E-01	5.51E-01	4.61E-01	9.40E-01	9.42E-01	9.44E-01	9.46E-01
6.86E+00	0.00E+00	9.72E-01	5.51E-01	4.61E-01	9.39E-01	9.42E-01	9.44E-01	9.46E-01
7.26E+00	0.00E+00	9.72E-01	5.50E-01	4.60E-01	9.39E-01	9.42E-01	9.44E-01	9.46E-01
7.68E+00	0.00E+00	9.72E-01	5.49E-01	4.60E-01	9.39E-01	9.42E-01	9.44E-01	9.46E-01
8.13E+00	0.00E+00	9.72E-01	5.49E-01	4.59E-01	9.39E-01	9.42E-01	9.44E-01	9.46E-01
8.60E+00	0.00E+00	9.71E-01	5.48E-01	4.58E-01	9.39E-01	9.42E-01	9.44E-01	9.46E-01
9.10E+00	0.00E+00	9.71E-01	5.47E-01	4.58E-01	9.39E-01	9.42E-01	9.44E-01	9.46E-01
9.63E+00	0.00E+00	9.71E-01	5.46E-01	4.57E-01	9.39E-01	9.42E-01	9.44E-01	9.46E-01
1.00E+01	0.00E+00	9.71E-01	5.46E-01	4.57E-01	9.39E-01	9.42E-01	9.44E-01	9.46E-01
1.02E+01	0.00E+00	9.71E-01	5.46E-01	4.57E-01	9.39E-01	9.42E-01	9.44E-01	9.46E-01
1.08E+01	0.00E+00	9.71E-01	5.45E-01	4.57E-01	9.38E-01	9.42E-01	9.44E-01	9.46E-01
1.14E+01	0.00E+00	9.71E-01	5.44E-01	4.56E-01	9.38E-01	9.41E-01	9.44E-01	9.46E-01
1.21E+01	0.00E+00	9.71E-01	5.43E-01	4.56E-01	9.38E-01	9.41E-01	9.44E-01	9.46E-01
1.28E+01	0.00E+00	9.71E-01	5.42E-01	4.55E-01	9.38E-01	9.41E-01	9.43E-01	9.46E-01
1.35E+01	0.00E+00	9.71E-01	5.41E-01	4.53E-01	9.38E-01	9.41E-01	9.43E-01	9.45E-01
1.43E+01	0.00E+00	9.71E-01	5.40E-01	4.52E-01	9.38E-01	9.41E-01	9.43E-01	9.45E-01
1.51E+01	0.00E+00	9.71E-01	5.39E-01	4.51E-01	9.37E-01	9.41E-01	9.43E-01	9.45E-01
1.60E+01	0.00E+00	9.70E-01	5.38E-01	4.50E-01	9.37E-01	9.41E-01	9.43E-01	9.45E-01
1.70E+01	0.00E+00	9.70E-01	5.37E-01	4.49E-01	9.37E-01	9.40E-01	9.43E-01	9.45E-01
1.80E+01	0.00E+00	9.70E-01	5.36E-01	4.48E-01	9.37E-01	9.40E-01	9.42E-01	9.45E-01
1.90E+01	0.00E+00	9.70E-01	5.35E-01	4.47E-01	9.36E-01	9.40E-01	9.42E-01	9.45E-01

2.01E+01 0.00E+00 9.70E-01 5.34E-01 4.46E-01 9.36E-01 9.40E-01 9.42E-01 9.45E-01

2.13E+01 0.00E+00 9.70E-01 5.32E-01 4.46E-01 9.36E-01 9.39E-01 9.42E-01 9.44E-01

2.25E+01 0.00E+00 9.70E-01 5.31E-01 4.46E-01 9.36E-01 9.39E-01 9.42E-01 9.44E-01

2.38E+01	0.00E+00	9.69E-01	5.30E-01	4.45E-01	9.35E-01	9.39E-01	9.41E-01	9.44E-01
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2.52E+01	0.00E+00	9.69E-01	5.28E-01	4.44E-01	9.35E-01	9.39E-01	9.41E-01	9.44E-01
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2.67E+01	0.00E+00	9.69E-01	5.27E-01	4.44E-01	9.35E-01	9.38E-01	9.41E-01	9.43E-01
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2.82E+01	0.00E+00	9.69E-01	5.25E-01	4.43E-01	9.35E-01	9.38E-01	9.41E-01	9.43E-01
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2.99E+01 0.00E+00 9.69E-01 5.24E-01 4.42E-01 9.34E-01 9.38E-01 9.40E-01 9.42E-01

3.00E+01	0.00E+00	9.69E-01	5.23E-01	4.42E-01	9.34E-01	9.38E-01	9.40E-01	9.42E-01
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3.16E+01 0.00E+00 9.68E-01 5.22E-01 4.41E-01 9.34E-01 9.38E-01 9.40E-01 9.42E-01

3.35E+01	0.00E+00	9.68E-01	5.20E-01	4.39E-01	9.33E-01	9.37E-01	9.40E-01	9.41E-01
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3.54E+01	0.00E+00	9.68E-01	5.18E-01	4.37E-01	9.33E-01	9.37E-01	9.39E-01	9.41E-01
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3.75E+01 0.00E+00 9.68E-01 5.16E-01 4.36E-01 9.32E-01 9.37E-01 9.39E-01 9.40E-01

3.97E+01	0.00E+00	9.67E-01	5.14E-01	4.35E-01	9.31E-01	9.36E-01	9.39E-01	9.40E-01
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4.20E+01 0.00E+00 9.67E-01 5.12E-01 4.33E-01 9.31E-01 9.36E-01 9.38E-01 9.40E-01

4.44E+01	0.00E+00	9.67E-01	5.10E-01	4.30E-01	9.30E-01	9.36E-01	9.38E-01	9.40E-01
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4.70E+01	0.00E+00	9.66E-01	5.07E-01	4.25E-01	9.29E-01	9.35E-01	9.38E-01	9.39E-01
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4.97E+01	0.00E+00	9.66E-01	5.05E-01	4.23E-01	9.29E-01	9.35E-01	9.37E-01	9.39E-01
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5.26E+01 5.33E-16 9.65E-01 5.02E-01 4.23E-01 9.28E-01 9.34E-01 9.37E-01 9.39E-01

5.57E+01 7.42E-12 9.65E-01 4.99E-01 4.21E-01 9.27E-01 9.34E-01 9.36E-01 9.38E-01

5.90E+01 3.15E-11 9.65E-01 4.96E-01 4.18E-01 9.26E-01 9.33E-01 9.36E-01 9.38E-01

6.24E+01 4.02E-11 9.64E-01 4.93E-01 4.12E-01 9.26E-01 9.33E-01 9.35E-01 9.37E-01

6.60E+01 4.27E-11 9.64E-01 4.90E-01 4.11E-01 9.25E-01 9.32E-01 9.35E-01 9.37E-01

6.99E+01 4.52E-11 9.63E-01 4.87E-01 4.08E-01 9.24E-01 9.32E-01 9.34E-01 9.36E-01

7.39E+01 4.79E-11 9.63E-01 4.84E-01 4.05E-01 9.23E-01 9.31E-01 9.33E-01 9.36E-01

7.82E+01 5.08E-11 9.62E-01 4.80E-01 3.99E-01 9.22E-01 9.31E-01 9.33E-01 9.36E-01

8.28E+01 5.39E-11 9.61E-01 4.77E-01 3.95E-01 9.21E-01 9.30E-01 9.32E-01 9.36E-01

8.76E+01 5.71E-11 9.61E-01 4.73E-01 3.90E-01 9.20E-01 9.29E-01 9.32E-01 9.35E-01

9.27E+01 6.05E-11 9.60E-01 4.69E-01 3.86E-01 9.19E-01 9.28E-01 9.31E-01 9.34E-01

9.81E+01 6.41E-11 9.59E-01 4.65E-01 3.80E-01 9.17E-01 9.27E-01 9.30E-01 9.34E-01

1.00E+02 6.53E-11 9.59E-01 4.64E-01 3.78E-01 9.17E-01 9.27E-01 9.30E-01 9.33E-01

1.04E+02 6.79E-11 9.59E-01 4.61E-01 3.75E-01 9.16E-01 9.27E-01 9.30E-01 9.34E-01

1.10E+02 7.19E-11 9.86E-01 4.56E-01 3.69E-01 9.14E-01 9.26E-01 9.30E-01 9.33E-01

1.16E+02 7.62E-11 1.03E+00 4.52E-01 3.65E-01 9.10E-01 9.25E-01 9.28E-01 9.32E-01

1.23E+02 8.07E-11 1.08E+00 4.46E-01 3.60E-01 9.08E-01 9.24E-01 9.28E-01 9.32E-01

1.30E+02 0.00E+00 1.14E+00 4.41E-01 3.55E-01 9.06E-01 9.22E-01 9.27E-01 9.31E-01

1.38E+02 0.00E+00 1.19E+00 4.35E-01 3.49E-01 9.04E-01 9.21E-01 9.25E-01 9.30E-01

1.46E+02 0.00E+00 1.25E+00 4.28E-01 3.45E-01 8.99E-01 9.20E-01 9.24E-01 9.29E-01

1.54E+02 0.00E+00 1.30E+00 4.21E-01 3.41E-01 8.91E-01 9.18E-01 9.23E-01 9.28E-01

1.63E+02 0.00E+00 1.36E+00 4.14E-01 3.34E-01 8.85E-01 9.14E-01 9.22E-01 9.27E-01

1.73E+02 0.00E+00 1.43E+00 4.07E-01 3.30E-01 8.82E-01 9.13E-01 9.21E-01 9.26E-01

1.83E+02 0.00E+00 1.49E+00 3.99E-01 3.24E-01 8.76E-01 9.10E-01 9.20E-01 9.25E-01

1.94E+02 0.00E+00 1.55E+00 3.90E-01 3.16E-01 8.67E-01 9.11E-01 9.19E-01 9.28E-01

2.05E+02 0.00E+00 1.62E+00 3.80E-01 3.07E-01 8.67E-01 9.09E-01 9.18E-01 9.30E-01

2.17E+02 0.00E+00 1.68E+00 3.70E-01 3.02E-01 8.50E-01 9.03E-01 9.17E-01 9.43E-01

2.29E+02 0.00E+00 1.75E+00 3.59E-01 2.96E-01 8.45E-01 9.02E-01 9.15E-01 9.42E-01

2.43E+02 0.00E+00 1.88E+00 3.49E-01 2.88E-01 8.39E-01 9.00E-01 9.14E-01 9.40E-01

2.57E+02 0.00E+00 2.07E+00 3.39E-01 2.81E-01 8.21E-01 8.98E-01 9.13E-01 9.38E-01

2.72E+02 0.00E+00 2.24E+00 3.29E-01 2.75E-01 7.95E-01 8.95E-01 9.11E-01 9.36E-01

2.88E+02 0.00E+00 2.38E+00 3.19E-01 2.68E-01 7.78E-01 8.92E-01 9.09E-01 9.34E-01

3.00E+02 0.00E+00 2.46E+00 3.13E-01 2.58E-01 7.66E-01 8.90E-01 9.09E-01 9.32E-01

3.05E+02 0.00E+00 2.49E+00 3.10E-01 2.55E-01 7.61E-01 8.89E-01 9.08E-01 9.32E-01

3.22E+02 0.00E+00 2.58E+00 3.01E-01 2.47E-01 7.51E-01 8.84E-01 9.06E-01 9.31E-01

3.41E+02 0.00E+00 2.65E+00 2.92E-01 2.38E-01 7.36E-01 8.82E-01 9.04E-01 9.31E-01

3.61E+02 0.00E+00 2.70E+00 2.83E-01 2.25E-01 7.11E-01 8.80E-01 9.02E-01 9.30E-01

3.82E+02 0.00E+00 2.73E+00 2.74E-01 2.19E-01 7.07E-01 8.77E-01 9.01E-01 1.01E+00

4.04E+02 0.00E+00 2.74E+00 2.66E-01 2.12E-01 6.86E-01 8.74E-01 8.98E-01 1.01E+00

4.28E+02 0.00E+00 2.73E+00 2.57E-01 2.06E-01 6.87E-01 8.70E-01 8.96E-01 1.00E+00

4.53E+02 0.00E+00 2.72E+00 2.49E-01 1.93E-01 6.73E-01 8.66E-01 8.93E-01 1.00E+00

4.79E+02 9.16E-11 2.72E+00 2.41E-01 1.74E-01 6.39E-01 8.62E-01 8.90E-01 9.98E-01

5.07E+02 3.29E-10 2.71E+00 2.34E-01 1.56E-01 6.44E-01 8.58E-01 8.88E-01 9.95E-01

5.36E+02 3.41E-10 2.72E+00 2.26E-01 1.43E-01 6.24E-01 8.53E-01 8.86E-01 9.92E-01

5.68E+02 3.53E-10 2.76E+00 2.18E-01 1.27E-01 6.14E-01 8.48E-01 8.81E-01 9.89E-01

6.01E+02 3.65E-10 2.81E+00 2.11E-01 9.84E-02 6.02E-01 8.31E-01 8.77E-01 9.86E-01

6.36E+02 3.78E-10 2.84E+00 2.04E-01 7.58E-02 5.98E-01 8.24E-01 8.74E-01 9.82E-01

6.73E+02 3.92E-10 2.87E+00 1.96E-01 6.06E-02 5.84E-01 8.17E-01 8.68E-01 9.78E-01

7.12E+02 4.07E-10 2.89E+00 1.89E-01 4.44E-02 5.71E-01 8.07E-01 8.63E-01 9.74E-01

7.53E+02 4.23E-10 2.91E+00 1.82E-01 3.13E-02 5.53E-01 8.03E-01 8.59E-01 9.70E-01

7.97E+02 4.39E-10 2.92E+00 1.75E-01 2.50E-02 5.63E-01 7.94E-01 8.53E-01 9.65E-01

8.44E+02 4.56E-10 2.93E+00 1.69E-01 2.29E-02 5.46E-01 7.77E-01 8.48E-01 9.44E-01

8.93E+02 4.74E-10 2.92E+00 1.63E-01 1.57E-02 5.43E-01 7.54E-01 8.34E-01 9.46E-01

9.45E+02 4.93E-10 2.91E+00 1.57E-01 1.21E-02 5.29E-01 7.47E-01 8.35E-01 9.49E-01

1.00E+03 5.13E-10 2.89E+00 1.51E-01 1.13E-02 4.97E-01 7.40E-01 8.32E-01 9.45E-01

Probabilistic results summary : RESRAD Default Parameters

File : C:\USERS\DNF\DOCUMENTS\FT CALHOUN\RESRAD INPUT FILES\SOIL UNCERTAINTY ANALYSIS\FCS SOIL UNCERTAINTY ANALYSIS PU-240.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	2.89E-01	9.62E-01	5.64E-01	4.78E-01	9.41E-01	9.44E-01	9.46E-01	9.49E-01
1.00E+00	2.75E-01	9.61E-01	5.62E-01	4.77E-01	9.41E-01	9.44E-01	9.46E-01	9.49E-01
1.06E+00	2.74E-01	9.61E-01	5.62E-01	4.76E-01	9.41E-01	9.44E-01	9.46E-01	9.49E-01
1.12E+00	2.72E-01	9.61E-01	5.62E-01	4.75E-01	9.41E-01	9.44E-01	9.46E-01	9.49E-01
1.19E+00	2.71E-01	9.61E-01	5.62E-01	4.75E-01	9.41E-01	9.44E-01	9.46E-01	9.49E-01
1.25E+00	2.69E-01	9.61E-01	5.62E-01	4.75E-01	9.41E-01	9.44E-01	9.46E-01	9.49E-01
1.33E+00	2.68E-01	9.61E-01	5.61E-01	4.75E-01	9.41E-01	9.44E-01	9.46E-01	9.49E-01
1.40E+00	2.66E-01	9.61E-01	5.61E-01	4.75E-01	9.41E-01	9.44E-01	9.46E-01	9.49E-01
1.49E+00	2.64E-01	9.61E-01	5.61E-01	4.75E-01	9.41E-01	9.44E-01	9.46E-01	9.49E-01
1.57E+00	2.62E-01	9.61E-01	5.61E-01	4.75E-01	9.41E-01	9.44E-01	9.46E-01	9.49E-01
1.66E+00	2.60E-01	9.61E-01	5.61E-01	4.75E-01	9.41E-01	9.44E-01	9.46E-01	9.49E-01
1.76E+00	2.58E-01	9.61E-01	5.61E-01	4.75E-01	9.41E-01	9.44E-01	9.46E-01	9.49E-01
1.86E+00	2.55E-01	9.61E-01	5.60E-01	4.73E-01	9.41E-01	9.44E-01	9.46E-01	9.49E-01
1.97E+00	2.53E-01	9.61E-01	5.60E-01	4.73E-01	9.41E-01	9.44E-01	9.46E-01	9.49E-01
2.09E+00	2.50E-01	9.61E-01	5.60E-01	4.72E-01	9.41E-01	9.44E-01	9.46E-01	9.49E-01
2.21E+00	2.47E-01	9.61E-01	5.60E-01	4.71E-01	9.41E-01	9.44E-01	9.46E-01	9.48E-01
2.24E+00	2.44E-01	9.61E-01	5.60E-01	4.71E-01	9.41E-01	9.44E-01	9.46E-01	9.48E-01
2.27E+00	2.41E-01	9.61E-01	5.59E-01	4.71E-01	9.41E-01	9.44E-01	9.46E-01	9.48E-01
2.26E+00	2.38E-01	9.61E-01	5.59E-01	4.71E-01	9.41E-01	9.43E-01	9.46E-01	9.48E-01
2.27E+00	2.34E-01	9.61E-01	5.59E-01	4.70E-01	9.41E-01	9.43E-01	9.46E-01	9.48E-01
2.29E+00	2.31E-01	9.61E-01	5.58E-01	4.70E-01	9.41E-01	9.43E-01	9.46E-01	9.48E-01
3.00E+00	2.29E-01	9.61E-01	5.58E-01	4.70E-01	9.41E-01	9.43E-01	9.46E-01	9.48E-01
3.10E+00	2.27E-01	9.60E-01	5.58E-01	4.70E-01	9.41E-01	9.43E-01	9.46E-01	9.48E-01
3.28E+00	2.22E-01	9.60E-01	5.58E-01	4.70E-01	9.41E-01	9.43E-01	9.46E-01	9.48E-01
3.48E+00	2.18E-01	9.60E-01	5.57E-01	4.69E-01	9.40E-01	9.43E-01	9.46E-01	9.48E-01
3.68E+00	2.13E-01	9.60E-01	5.57E-01	4.69E-01	9.40E-01	9.43E-01	9.46E-01	9.48E-01
3.89E+00	1.97E-01	9.60E-01	5.57E-01	4.69E-01	9.40E-01	9.43E-01	9.46E-01	9.48E-01
4.12E+00	1.58E-01	9.60E-01	5.56E-01	4.69E-01	9.40E-01	9.43E-01	9.46E-01	9.48E-01
4.36E+00	1.13E-01	9.60E-01	5.56E-01	4.68E-01	9.40E-01	9.43E-01	9.46E-01	9.48E-01
4.61E+00	6.59E-02	9.60E-01	5.55E-01	4.68E-01	9.40E-01	9.43E-01	9.46E-01	9.48E-01
4.88E+00	2.95E-02	9.60E-01	5.54E-01	4.68E-01	9.40E-01	9.43E-01	9.46E-01	9.48E-01
5.17E+00	6.72E-03	9.60E-01	5.54E-01	4.68E-01	9.40E-01	9.43E-01	9.46E-01	9.48E-01
5.47E+00	3.86E-06	9.60E-01	5.53E-01	4.67E-01	9.40E-01	9.43E-01	9.46E-01	9.48E-01
5.78E+00	0.00E+00	9.60E-01	5.53E-01	4.67E-01	9.40E-01	9.43E-01	9.45E-01	9.48E-01
6.12E+00	0.00E+00	9.59E-01	5.52E-01	4.67E-01	9.40E-01	9.43E-01	9.45E-01	9.48E-01
6.48E+00	0.00E+00	9.59E-01	5.52E-01	4.67E-01	9.40E-01	9.42E-01	9.45E-01	9.47E-01
6.86E+00	0.00E+00	9.59E-01	5.51E-01	4.66E-01	9.40E-01	9.42E-01	9.45E-01	9.47E-01
7.26E+00	0.00E+00	9.59E-01	5.50E-01	4.66E-01	9.40E-01	9.42E-01	9.45E-01	9.47E-01
7.68E+00	0.00E+00	9.59E-01	5.50E-01	4.64E-01	9.39E-01	9.42E-01	9.44E-01	9.47E-01
8.13E+00	0.00E+00	9.59E-01	5.49E-01	4.64E-01	9.39E-01	9.42E-01	9.44E-01	9.47E-01
8.60E+00	0.00E+00	9.59E-01	5.49E-01	4.64E-01	9.39E-01	9.42E-01	9.44E-01	9.47E-01
9.10E+00	0.00E+00	9.58E-01	5.48E-01	4.64E-01	9.39E-01	9.42E-01	9.44E-01	9.47E-01
9.63E+00	0.00E+00	9.58E-01	5.47E-01	4.63E-01	9.39E-01	9.42E-01	9.44E-01	9.47E-01
1.00E+01	0.00E+00	9.58E-01	5.47E-01	4.63E-01	9.39E-01	9.41E-01	9.44E-01	9.47E-01
1.02E+01	0.00E+00	9.58E-01	5.46E-01	4.63E-01	9.39E-01	9.41E-01	9.44E-01	9.47E-01
1.08E+01	0.00E+00	9.58E-01	5.46E-01	4.63E-01	9.39E-01	9.41E-01	9.44E-01	9.47E-01
1.14E+01	0.00E+00	9.58E-01	5.45E-01	4.62E-01	9.38E-01	9.41E-01	9.44E-01	9.47E-01
1.21E+01	0.00E+00	9.57E-01	5.44E-01	4.62E-01	9.38E-01	9.41E-01	9.44E-01	9.47E-01
1.28E+01	0.00E+00	9.57E-01	5.43E-01	4.61E-01	9.38E-01	9.41E-01	9.43E-01	9.46E-01
1.35E+01	0.00E+00	9.57E-01	5.42E-01	4.60E-01	9.38E-01	9.41E-01	9.43E-01	9.46E-01
1.43E+01	0.00E+00	9.57E-01	5.41E-01	4.59E-01	9.38E-01	9.41E-01	9.43E-01	9.46E-01
1.51E+01	0.00E+00	9.56E-01	5.40E-01	4.58E-01	9.37E-01	9.40E-01	9.43E-01	9.46E-01
1.60E+01	0.00E+00	9.56E-01	5.39E-01	4.57E-01	9.37E-01	9.40E-01	9.43E-01	9.46E-01
1.70E+01	0.00E+00	9.56E-01	5.38E-01	4.56E-01	9.37E-01	9.40E-01	9.43E-01	9.46E-01
1.80E+01	0.00E+00	9.55E-01	5.37E-01	4.54E-01	9.36E-01	9.40E-01	9.43E-01	9.46E-01
1.90E+01	0.00E+00	9.55E-01	5.36E-01	4.53E-01	9.36E-01	9.40E-01	9.42E-01	9.46E-01

2.01E+01	0.00E+00	9.55E-01	5.34E-01	4.52E-01	9.36E-01	9.39E-01	9.42E-01	9.46E-01
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2.13E+01	0.00E+00	9.54E-01	5.33E-01	4.50E-01	9.36E-01	9.39E-01	9.42E-01	9.46E-01
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2.25E+01 0.00E+00 9.54E-01 5.32E-01 4.47E-01 9.35E-01 9.39E-01 9.42E-01 9.45E-01

2.38E+01	0.00E+00	9.54E-01	5.30E-01	4.46E-01	9.35E-01	9.39E-01	9.41E-01	9.45E-01
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2.52E+01	0.00E+00	9.53E-01	5.29E-01	4.46E-01	9.35E-01	9.39E-01	9.41E-01	9.45E-01
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2.67E+01 0.00E+00 9.53E-01 5.28E-01 4.42E-01 9.35E-01 9.38E-01 9.41E-01 9.45E-01

2.82E+01	0.00E+00	9.52E-01	5.26E-01	4.41E-01	9.34E-01	9.38E-01	9.41E-01	9.45E-01
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2.99E+01	0.00E+00	9.51E-01	5.25E-01	4.39E-01	9.34E-01	9.38E-01	9.40E-01	9.44E-01
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3.00E+01	0.00E+00	9.51E-01	5.24E-01	4.39E-01	9.34E-01	9.38E-01	9.40E-01	9.44E-01
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3.16E+01	0.00E+00	9.51E-01	5.23E-01	4.38E-01	9.33E-01	9.37E-01	9.40E-01	9.43E-01
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3.35E+01	0.00E+00	9.50E-01	5.21E-01	4.37E-01	9.33E-01	9.37E-01	9.40E-01	9.43E-01
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3.54E+01	0.00E+00	9.50E-01	5.19E-01	4.36E-01	9.32E-01	9.37E-01	9.40E-01	9.43E-01
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3.75E+01 0.00E+00 9.49E-01 5.17E-01 4.35E-01 9.31E-01 9.37E-01 9.39E-01 9.43E-01

3.97E+01	0.00E+00	9.48E-01	5.15E-01	4.33E-01	9.31E-01	9.36E-01	9.39E-01	9.43E-01
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4.20E+01	0.00E+00	9.47E-01	5.13E-01	4.32E-01	9.30E-01	9.36E-01	9.39E-01	9.43E-01
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4.44E+01	0.00E+00	9.47E-01	5.11E-01	4.29E-01	9.29E-01	9.36E-01	9.39E-01	9.43E-01
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4.70E+01	0.00E+00	9.46E-01	5.09E-01	4.27E-01	9.29E-01	9.35E-01	9.38E-01	9.43E-01
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4.97E+01 0.00E+00 9.45E-01 5.07E-01 4.24E-01 9.28E-01 9.35E-01 9.38E-01 9.43E-01

5.26E+01	0.00E+00	9.45E-01	5.04E-01	4.20E-01	9.27E-01	9.34E-01	9.37E-01	9.43E-01
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5.57E+01	0.00E+00	9.45E-01	5.02E-01	4.19E-01	9.27E-01	9.34E-01	9.37E-01	9.43E-01
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5.90E+01 0.00E+00 9.44E-01 4.99E-01 4.18E-01 9.25E-01 9.34E-01 9.37E-01 9.42E-01

6.24E+01 0.00E+00 9.44E-01 4.96E-01 4.17E-01 9.24E-01 9.33E-01 9.36E-01 9.41E-01

6.60E+01 0.00E+00 9.43E-01 4.93E-01 4.15E-01 9.23E-01 9.33E-01 9.35E-01 9.39E-01

6.99E+01 0.00E+00 9.43E-01 4.90E-01 4.13E-01 9.22E-01 9.32E-01 9.35E-01 9.39E-01

7.39E+01 0.00E+00 9.43E-01 4.87E-01 4.11E-01 9.20E-01 9.32E-01 9.34E-01 9.39E-01

7.82E+01	0.00E+00	9.43E-01	4.84E-01	4.10E-01	9.19E-01	9.31E-01	9.34E-01	9.38E-01
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8.28E+01	0.00E+00	9.42E-01	4.80E-01	4.08E-01	9.17E-01	9.29E-01	9.33E-01	9.38E-01
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8.76E+01 0.00E+00 9.42E-01 4.76E-01 4.05E-01 9.16E-01 9.29E-01 9.32E-01 9.37E-01

9.27E+01 0.00E+00 9.42E-01 4.72E-01 4.00E-01 9.10E-01 9.28E-01 9.32E-01 9.37E-01

9.81E+01 0.00E+00 9.42E-01 4.67E-01 3.91E-01 9.08E-01 9.27E-01 9.31E-01 9.36E-01

1.00E+02	0.00E+00	9.42E-01	4.66E-01	3.88E-01	9.08E-01	9.27E-01	9.31E-01	9.36E-01
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1.04E+02 0.00E+00 9.42E-01 4.62E-01 3.85E-01 9.04E-01 9.26E-01 9.30E-01 9.35E-01

1.10E+02 0.00E+00 9.42E-01 4.57E-01 3.83E-01 9.02E-01 9.25E-01 9.30E-01 9.35E-01

1.16E+02 0.00E+00 9.41E-01 4.52E-01 3.74E-01 8.99E-01 9.24E-01 9.29E-01 9.34E-01

1.23E+02	0.00E+00	9.41E-01	4.46E-01	3.69E-01	8.97E-01	9.23E-01	9.28E-01	9.33E-01
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1.30E+02	0.00E+00	9.41E-01	4.40E-01	3.63E-01	8.93E-01	9.21E-01	9.27E-01	9.33E-01
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1.38E+02	0.00E+00	9.41E-01	4.34E-01	3.59E-01	8.90E-01	9.20E-01	9.26E-01	9.32E-01
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1.46E+02 0.00E+00 9.40E-01 4.27E-01 3.53E-01 8.79E-01 9.17E-01 9.25E-01 9.31E-01

1.54E+02 0.00E+00 9.40E-01 4.19E-01 3.49E-01 8.72E-01 9.16E-01 9.24E-01 9.30E-01

1.63E+02 0.00E+00 9.39E-01 4.11E-01 3.41E-01 8.70E-01 9.15E-01 9.23E-01 9.30E-01

1.73E+02 0.00E+00 9.39E-01 4.03E-01 3.32E-01 8.65E-01 9.13E-01 9.22E-01 9.30E-01

1.83E+02 0.00E+00 9.38E-01 3.94E-01 3.28E-01 8.48E-01 9.12E-01 9.21E-01 9.30E-01

1.94E+02 0.00E+00 9.40E-01 3.85E-01 3.22E-01 8.28E-01 9.09E-01 9.20E-01 9.29E-01

2.05E+02 0.00E+00 9.49E-01 3.74E-01 3.11E-01 8.09E-01 9.06E-01 9.18E-01 9.27E-01

2.17E+02	0.00E+00	9.59E-01	3.64E-01	3.06E-01	8.03E-01	9.03E-01	9.16E-01	9.26E-01
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2.29E+02 0.00E+00 9.70E-01 3.54E-01 3.02E-01 7.99E-01 9.01E-01 9.15E-01 9.25E-01

2.43E+02 0.00E+00 9.81E-01 3.44E-01 2.95E-01 7.95E-01 8.97E-01 9.12E-01 9.21E-01

2.57E+02	0.00E+00	9.92E-01	3.34E-01	2.82E-01	7.86E-01	8.96E-01	9.12E-01	9.22E-01
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2.72E+02 0.00E+00 1.11E+00 3.24E-01 2.75E-01 7.83E-01 8.93E-01 9.10E-01 9.20E-01

2.88E+02 0.00E+00 1.25E+00 3.14E-01 2.67E-01 7.66E-01 8.90E-01 9.09E-01 9.19E-01

3.00E+02 0.00E+00 1.35E+00 3.06E-01 2.60E-01 7.62E-01 8.88E-01 9.06E-01 9.18E-01

3.05E+02 0.00E+00 1.39E+00 3.04E-01 2.58E-01 7.57E-01 8.87E-01 9.06E-01 9.17E-01

3.22E+02 0.00E+00 1.53E+00 2.94E-01 2.46E-01 7.44E-01 8.67E-01 9.01E-01 9.15E-01

3.41E+02 2.24E-13 1.68E+00 2.85E-01 2.38E-01 7.33E-01 8.55E-01 8.98E-01 9.14E-01

3.61E+02	1.59E-11	1.82E+00	2.75E-01	2.30E-01	6.98E-01	8.57E-01	8.96E-01	9.11E-01
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3.82E+02 0.00E+00 1.96E+00 2.65E-01 2.21E-01 6.73E-01 8.43E-01 8.95E-01 9.13E-01

4.04E+02 2.97E-11 2.10E+00 2.56E-01 2.12E-01 6.43E-01 8.40E-01 8.98E-01 9.18E-01

4.28E+02 3.72E-11 2.24E+00 2.47E-01 2.05E-01 6.09E-01 8.36E-01 8.96E-01 9.36E-01

4.53E+02 4.51E-11 2.37E+00 2.38E-01 1.92E-01 5.96E-01 8.33E-01 8.93E-01 9.58E-01

4.79E+02 5.34E-11 2.50E+00 2.29E-01 1.75E-01 5.91E-01 8.30E-01 8.86E-01 9.80E-01

5.07E+02 0.00E+00 2.63E+00 2.20E-01 1.60E-01 5.82E-01 8.06E-01 8.77E-01 1.00E+00

5.36E+02	0.00E+00	2.75E+00	2.12E-01	1.45E-01	5.80E-01	7.92E-01	8.63E-01	1.03E+00
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5.68E+02 0.00E+00 2.86E+00 2.03E-01 1.28E-01 5.74E-01 7.77E-01 8.59E-01 1.05E+00

6.01E+02 0.00E+00 2.97E+00 1.96E-01 1.04E-01 5.42E-01 7.60E-01 8.48E-01 1.08E+00

6.36E+02 1.02E-10 3.07E+00 1.89E-01 8.30E-02 5.30E-01 7.51E-01 8.43E-01 1.10E+00

6.73E+02 1.14E-10 3.17E+00 1.82E-01 6.72E-02 5.24E-01 7.31E-01 8.32E-01 1.13E+00

7.12E+02 1.26E-10 3.26E+00 1.76E-01 5.83E-02 4.89E-01 7.16E-01 8.17E-01 1.16E+00

7.53E+02 1.39E-10 3.33E+00 1.70E-01 4.71E-02 4.78E-01 6.92E-01 8.10E-01 1.19E+00

7.97E+02 1.52E-10 3.40E+00 1.65E-01 3.76E-02 4.70E-01 6.87E-01 8.03E-01 1.22E+00

8.44E+02 1.66E-10 3.46E+00 1.59E-01 2.95E-02 4.64E-01 6.78E-01 8.23E-01 1.25E+00

8.93E+02 1.81E-10 3.51E+00 1.55E-01 2.67E-02 4.59E-01 6.69E-01 8.17E-01 1.27E+00

9.45E+02 1.97E-10 3.55E+00 1.50E-01 2.13E-02 4.38E-01 6.55E-01 8.10E-01 1.31E+00

1.00E+03 2.13E-10 3.58E+00 1.46E-01 1.81E-02 4.35E-01 6.42E-01 8.03E-01 1.35E+00

Probabilistic results summary : RESRAD Default Parameters

File : C:\USERS\DNF\DOCUMENTS\FT CALHOUN\RESRAD INPUT FILES\SOIL UNCERTAINTY ANALYSIS\FCS SOIL UNCERTAINTY ANALYSIS PU-240.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	5.640E-01
2	0.000E+00	5.640E-01
3	0.000E+00	5.639E-01

Title : RESRAD Default Parameters
Input File : FCS SOIL UNCERTAINTY ANALYSIS PU-240.RAD

Coefficients for peak All Pathways Dose

Coefficient =	PCC	SRC	PRCC	SRRC
Repetition =	1	1	1	1

Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Contaminated zone erosion rate	7	-0.06	6	-0.05	8	-0.10	8	-0.03
Contaminated zone b parameter	17	-0.01	17	-0.01	13	0.03	13	0.01
Evapotranspiration coefficient	3	-0.10	3	-0.07	7	-0.11	7	-0.03
Wind Speed	18	0.00	18	0.00	9	-0.08	9	-0.03
Runoff coefficient	4	-0.10	4	-0.07	5	-0.12	5	-0.04
Well pump intake depth	2	-0.12	2	-0.08	6	-0.12	6	-0.03
b Parameter of Unsaturated zone 1	6	0.06	7	0.04	14	-0.03	14	-0.01
Mass loading for inhalation	8	0.05	8	0.03	4	0.14	4	0.04
Indoor dust filtration factor	10	-0.03	10	-0.02	10	0.08	10	0.02
Depth of soil mixing layer	5	0.10	5	0.07	16	0.01	16	0.00
Depth of roots	1	-0.74	1	-0.73	1	-0.95	1	-0.95
Wet weight crop yield of fruit, grain and non-leafy vegetables	14	-0.02	15	-0.01	17	-0.01	17	0.00
Weathering removal constant of all vegetation	11	-0.03	11	-0.02	12	0.04	12	0.01
Wet foliar interception fraction of leafy vegetables	12	0.02	12	0.02	11	0.06	11	0.02
Humidity in air	16	0.02	16	0.01	18	0.00	18	0.00
Kd of Pu-240 in Contaminated Zone	9	-0.05	9	-0.03	3	-0.19	3	-0.06
Kd of Pu-240 in Unsaturated Zone 1	15	-0.02	14	-0.01	15	0.02	15	0.01
Kd of Pu-240 in Saturated Zone	13	-0.02	13	-0.02	2	-0.20	2	-0.06
R-SQUARE		0.56		0.56		0.91		0.91

-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 PU-240.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	7	-0.05	7	-0.03	10	-0.09	10	-0.02
Contaminated zone b parameter	13	-0.03	13	-0.02	18	-0.03	18	-0.01
Evapotranspiration coefficient	8	-0.05	8	-0.03	11	-0.09	11	-0.02
Wind Speed	16	-0.01	16	-0.01	9	-0.09	9	-0.02
Runoff coefficient	5	-0.06	5	-0.04	7	-0.11	7	-0.03
Well pump intake depth	3	-0.09	3	-0.06	13	-0.06	13	-0.01
b Parameter of Unsaturated zone 1	15	0.02	15	0.01	15	0.04	15	0.01
Mass loading for inhalation	4	0.09	4	0.05	2	0.21	2	0.05
Indoor dust filtration factor	6	0.06	6	0.03	4	0.18	4	0.04
Depth of soil mixing layer	18	0.00	18	0.00	17	0.03	17	0.01
Depth of roots	1	-0.79	1	-0.79	1	-0.97	1	-0.97
Wet weight crop yield of fruit, grain and non-leafy vegetables	14	0.02	14	0.01	8	0.11	8	0.03
Weathering removal constant of all vegetation	17	0.01	17	0.00	14	0.04	14	0.01
Wet foliar interception fraction of leafy vegetables	2	0.11	2	0.07	5	0.14	5	0.03
Humidity in air	12	0.03	12	0.02	16	-0.03	16	-0.01
Kd of Pu-240 in Contaminated Zone	9	-0.05	9	-0.03	6	-0.13	6	-0.03
Kd of Pu-240 in Unsaturated Zone 1	11	-0.04	11	-0.02	12	-0.06	12	-0.01
Kd of Pu-240 in Saturated Zone	10	-0.04	10	-0.02	3	-0.20	3	-0.05

R-SQUARE	0.64	0.64	0.94	0.94
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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 PU-240.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	-0.04	10	-0.02	6	-0.12	6	-0.03
Contaminated zone b parameter	16	0.01	16	0.01	17	-0.01	17	0.00
Evapotranspiration coefficient	2	-0.10	2	-0.06	7	-0.10	7	-0.02
Wind Speed	15	0.01	15	0.01	5	-0.13	5	-0.03
Runoff coefficient	3	-0.07	3	-0.05	9	-0.09	9	-0.02
Well pump intake depth	8	-0.05	8	-0.03	10	-0.09	10	-0.02
b Parameter of Unsaturated zone 1	13	0.03	13	0.02	18	0.01	18	0.00
Mass loading for inhalation	7	0.05	7	0.03	3	0.18	3	0.04
Indoor dust filtration factor	14	0.01	14	0.01	4	0.15	4	0.03
Depth of soil mixing layer	4	0.07	4	0.04	15	0.03	15	0.01
Depth of roots	1	-0.78	1	-0.78	1	-0.98	1	-0.97
Wet weight crop yield of fruit, grain and non-leafy vegetables	5	-0.06	5	-0.04	13	-0.05	13	-0.01
Weathering removal constant of all vegetation	6	-0.06	6	-0.04	12	-0.07	12	-0.01
Wet foliar interception fraction of leafy vegetables	18	0.01	18	0.00	14	0.04	14	0.01
Humidity in air	12	-0.03	12	-0.02	8	-0.10	8	-0.02
Kd of Pu-240 in Contaminated Zone	17	-0.01	17	-0.01	11	-0.09	11	-0.02
Kd of Pu-240 in Unsaturated Zone 1	11	-0.03	11	-0.02	16	0.02	16	0.00
Kd of Pu-240 in Saturated Zone	9	-0.05	9	-0.03	2	-0.19	2	-0.04
R-SQUARE	0.61		0.61		0.95		0.95	

-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.