

Probabilistic results summary : RESRAD Default Parameters

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Part VI: Uncertainty Analysis

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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	1.20E-01	1.20E-01	1.20E-01	1.20E-01	1.19E-01	1.19E-01	0.00E+00	0.00E+00	0.00E+00	
Max	1.00E+03	3.44E+02	3.44E+02	3.39E+02	3.30E+02	3.02E+02	2.32E+02	1.01E+02	5.09E+01	1.57E+01	
Avg	1.56E+02	1.24E+01	1.23E+01	1.23E+01	1.22E+01	1.21E+01	1.16E+01	1.04E+01	8.12E+00	4.03E+00	
Std	2.65E+02	2.46E+01	2.46E+01	2.44E+01	2.41E+01	2.30E+01	2.04E+01	1.48E+01	8.84E+00	3.10E+00	
ALL											
Min	0.00E+00	1.20E-01	1.20E-01	1.20E-01	1.20E-01	1.19E-01	1.19E-01	0.00E+00	0.00E+00	0.00E+00	
Max	1.00E+03	3.44E+02	3.44E+02	3.39E+02	3.30E+02	3.02E+02	2.32E+02	1.01E+02	5.09E+01	1.57E+01	
Avg	1.56E+02	1.24E+01	1.23E+01	1.23E+01	1.22E+01	1.21E+01	1.16E+01	1.04E+01	8.12E+00	4.03E+00	
Std	2.65E+02	2.46E+01	2.46E+01	2.44E+01	2.41E+01	2.30E+01	2.04E+01	1.48E+01	8.84E+00	3.10E+00	

ALL is total dose summed for all nuclides.

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Probabilistic Risk Summary

Nuclide	RISK(j,t)							
	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	1.38E-07	1.38E-07	1.38E-07	1.38E-07	1.38E-07	0.00E+00	0.00E+00	0.00E+00
Max	4.11E-04	4.05E-04	3.95E-04	3.60E-04	2.77E-04	1.18E-04	5.94E-05	1.91E-05
Avg	1.46E-05	1.45E-05	1.45E-05	1.43E-05	1.38E-05	1.23E-05	9.70E-06	4.89E-06
Std	2.89E-05	2.87E-05	2.83E-05	2.71E-05	2.39E-05	1.74E-05	1.04E-05	3.62E-06
<hr/>								
ALL								
Min	1.38E-07	1.38E-07	1.38E-07	1.38E-07	1.38E-07	0.00E+00	0.00E+00	0.00E+00
Max	4.11E-04	4.05E-04	3.95E-04	3.60E-04	2.77E-04	1.18E-04	5.94E-05	1.91E-05
Avg	1.46E-05	1.45E-05	1.45E-05	1.43E-05	1.38E-05	1.23E-05	9.70E-06	4.89E-06
Std	2.89E-05	2.87E-05	2.83E-05	2.71E-05	2.39E-05	1.74E-05	1.04E-05	3.62E-06
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ALL is total risk summed for all nuclides.

Probabilistic results summary : RESRAD Default Parameters

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Probabilistic Dose vs Pathway(i): Ground External

Nuclide	DOSE(i,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
<hr/>								
Pu-240								
Min	1.82E-18	1.81E-18	1.80E-18	1.76E-18	1.84E-18	0.00E+00	0.00E+00	0.00E+00
Max	1.02E-16	3.29E-14	3.44E-09	6.99E-05	6.98E-05	6.92E-05	6.77E-05	6.28E-05
Avg	2.44E-18	1.16E-16	8.73E-12	7.91E-07	1.80E-06	2.70E-06	1.44E-05	3.18E-05
Std	5.96E-18	1.67E-15	1.57E-10	7.13E-06	1.09E-05	1.32E-05	2.61E-05	2.60E-05
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ALL								
Min	1.82E-18	1.81E-18	1.80E-18	1.76E-18	1.84E-18	0.00E+00	0.00E+00	0.00E+00
Max	1.02E-16	3.29E-14	3.44E-09	6.99E-05	6.98E-05	6.92E-05	6.77E-05	6.28E-05
Avg	2.44E-18	1.16E-16	8.73E-12	7.91E-07	1.80E-06	2.70E-06	1.44E-05	3.18E-05
Std	5.96E-18	1.67E-15	1.57E-10	7.13E-06	1.09E-05	1.32E-05	2.61E-05	2.60E-05
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ALL is total pathway dose summed for all nuclides.

Probabilistic results summary : RESRAD Default Parameters

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

Nuclide	DOSE(i,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
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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	0.00E+00
Max	0.00E+00	0.00E+00	5.12E-07	1.21E-02	1.21E-02	1.20E-02	1.34E-02	1.91E-02
Avg	0.00E+00	0.00E+00	5.68E-10	7.70E-05	1.55E-04	2.00E-04	1.24E-03	2.40E-03
Std	0.00E+00	0.00E+00	1.70E-08	7.40E-04	9.99E-04	1.05E-03	2.26E-03	2.47E-03
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ALL								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	5.12E-07	1.21E-02	1.21E-02	1.20E-02	1.34E-02	1.91E-02
Avg	0.00E+00	0.00E+00	5.68E-10	7.70E-05	1.55E-04	2.00E-04	1.24E-03	2.40E-03
Std	0.00E+00	0.00E+00	1.70E-08	7.40E-04	9.99E-04	1.05E-03	2.26E-03	2.47E-03
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ALL is total pathway dose summed for all nuclides.

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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/>								
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): Plant (Water Ind.)

Nuclide	DOSE(i,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
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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	0.00E+00
Max	6.68E-01	7.02E-01	7.85E-01	8.68E-01	8.66E-01	8.58E-01	8.37E-01	7.75E-01
Avg	4.04E-01	4.05E-01	4.08E-01	4.16E-01	4.30E-01	4.65E-01	5.47E-01	4.75E-01
Std	2.37E-01	2.37E-01	2.38E-01	2.40E-01	2.41E-01	2.36E-01	2.34E-01	2.37E-01
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ALL								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	6.68E-01	7.02E-01	7.85E-01	8.68E-01	8.66E-01	8.58E-01	8.37E-01	7.75E-01
Avg	4.04E-01	4.05E-01	4.08E-01	4.16E-01	4.30E-01	4.65E-01	5.47E-01	4.75E-01
Std	2.37E-01	2.37E-01	2.38E-01	2.40E-01	2.41E-01	2.36E-01	2.34E-01	2.37E-01
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Probabilistic Dose vs Pathway(i): Meat (Water Ind.)

Nuclide	DOSE(i,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	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	8.39E-04	8.77E-04	9.81E-04	1.64E-02	1.64E-02	1.63E-02	1.59E-02	1.47E-02
Avg	5.09E-04	5.10E-04	5.13E-04	7.27E-04	9.71E-04	1.22E-03	4.58E-03	7.99E-03
Std	2.98E-04	2.98E-04	2.99E-04	1.80E-03	2.58E-03	3.05E-03	6.06E-03	5.67E-03
ALL								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	8.39E-04	8.77E-04	9.81E-04	1.64E-02	1.64E-02	1.63E-02	1.59E-02	1.47E-02
Avg	5.09E-04	5.10E-04	5.13E-04	7.27E-04	9.71E-04	1.22E-03	4.58E-03	7.99E-03
Std	2.98E-04	2.98E-04	2.99E-04	1.80E-03	2.58E-03	3.05E-03	6.06E-03	5.67E-03

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

Nuclide	DOSE(i,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	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	8.54E-05	8.95E-05	1.00E-04	7.81E-04	7.79E-04	7.73E-04	7.56E-04	7.01E-04
Avg	5.18E-05	5.19E-05	5.23E-05	6.22E-05	7.39E-05	8.75E-05	2.40E-04	3.84E-04
Std	3.03E-05	3.04E-05	3.04E-05	8.69E-05	1.21E-04	1.41E-04	2.76E-04	2.61E-04
ALL								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	8.54E-05	8.95E-05	1.00E-04	7.81E-04	7.79E-04	7.73E-04	7.56E-04	7.01E-04
Avg	5.18E-05	5.19E-05	5.23E-05	6.22E-05	7.39E-05	8.75E-05	2.40E-04	3.84E-04
Std	3.03E-05	3.04E-05	3.04E-05	8.69E-05	1.21E-04	1.41E-04	2.76E-04	2.61E-04

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Probabilistic Dose vs Pathway(i): Soil Ingestion

Nuclide	DOSE(i,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
<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	3.71E-06	5.05E-02	5.04E-02	5.00E-02	4.89E-02	4.53E-02
Avg	0.00E+00	0.00E+00	4.12E-09	6.74E-04	1.42E-03	2.11E-03	1.28E-02	2.43E-02
Std	0.00E+00	0.00E+00	1.24E-07	5.64E-03	8.14E-03	9.67E-03	1.94E-02	1.80E-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	0.00E+00
Max	0.00E+00	0.00E+00	3.71E-06	5.05E-02	5.04E-02	5.00E-02	4.89E-02	4.53E-02
Avg	0.00E+00	0.00E+00	4.12E-09	6.74E-04	1.42E-03	2.11E-03	1.28E-02	2.43E-02
Std	0.00E+00	0.00E+00	1.24E-07	5.64E-03	8.14E-03	9.67E-03	1.94E-02	1.80E-02
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Probabilistic Dose vs Pathway(i): Water Ingestion

Nuclide	DOSE(i,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
<hr/>								
Pu-240								
Min	4.70E-02	4.70E-02	4.70E-02	4.70E-02	4.69E-02	0.00E+00	0.00E+00	0.00E+00
Max	2.99E+02	2.95E+02	2.88E+02	2.62E+02	2.07E+02	9.39E+01	4.77E+01	1.38E+01
Avg	1.09E+01	1.09E+01	1.08E+01	1.07E+01	1.02E+01	9.06E+00	6.91E+00	3.22E+00
Std	2.26E+01	2.25E+01	2.22E+01	2.12E+01	1.88E+01	1.37E+01	8.14E+00	2.88E+00
<hr/>								
ALL								
Min	4.70E-02	4.70E-02	4.70E-02	4.70E-02	4.69E-02	0.00E+00	0.00E+00	0.00E+00
Max	2.99E+02	2.95E+02	2.88E+02	2.62E+02	2.07E+02	9.39E+01	4.77E+01	1.38E+01
Avg	1.09E+01	1.09E+01	1.08E+01	1.07E+01	1.02E+01	9.06E+00	6.91E+00	3.22E+00
Std	2.26E+01	2.25E+01	2.22E+01	2.12E+01	1.88E+01	1.37E+01	8.14E+00	2.88E+00
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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
<hr/>								
ALL								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	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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Probabilistic Dose vs Pathway(i): Radon (Water Dep.)

Nuclide	DOSE(i,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	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ALL								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

ALL is total pathway dose summed for all nuclides.

Probabilistic results summary : RESRAD Default Parameters

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

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

Nuclide	DOSE(i,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	3.11E-03	3.11E-03	3.11E-03	3.11E-03	3.10E-03	0.00E+00	0.00E+00	0.00E+00
Max	4.42E+01	4.36E+01	4.25E+01	3.88E+01	2.98E+01	1.63E+01	1.09E+01	2.83E+00
Avg	9.86E-01	9.83E-01	9.79E-01	9.65E-01	9.28E-01	8.24E-01	6.32E-01	2.95E-01
Std	2.36E+00	2.35E+00	2.32E+00	2.21E+00	1.97E+00	1.50E+00	9.59E-01	3.48E-01
ALL								
Min	3.11E-03	3.11E-03	3.11E-03	3.11E-03	3.10E-03	0.00E+00	0.00E+00	0.00E+00
Max	4.42E+01	4.36E+01	4.25E+01	3.88E+01	2.98E+01	1.63E+01	1.09E+01	2.83E+00
Avg	9.86E-01	9.83E-01	9.79E-01	9.65E-01	9.28E-01	8.24E-01	6.32E-01	2.95E-01
Std	2.36E+00	2.35E+00	2.32E+00	2.21E+00	1.97E+00	1.50E+00	9.59E-01	3.48E-01

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\BFM INSITU UNCERTAINTY ANALYSIS\FCS BFM INSITU UA PU-240.RAD

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

Nuclide	DOSE(i,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	4.84E-05	4.84E-05	4.84E-05	4.83E-05	4.82E-05	0.00E+00	0.00E+00	0.00E+00
Max	3.73E-01	3.69E-01	3.59E-01	3.28E-01	2.52E-01	1.01E-01	4.95E-02	1.76E-02
Avg	1.12E-02	1.12E-02	1.11E-02	1.10E-02	1.05E-02	9.33E-03	7.13E-03	3.32E-03
Std	2.34E-02	2.32E-02	2.29E-02	2.18E-02	1.93E-02	1.41E-02	8.53E-03	3.04E-03
ALL								
Min	4.84E-05	4.84E-05	4.84E-05	4.83E-05	4.82E-05	0.00E+00	0.00E+00	0.00E+00
Max	3.73E-01	3.69E-01	3.59E-01	3.28E-01	2.52E-01	1.01E-01	4.95E-02	1.76E-02
Avg	1.12E-02	1.12E-02	1.11E-02	1.10E-02	1.05E-02	9.33E-03	7.13E-03	3.32E-03
Std	2.34E-02	2.32E-02	2.29E-02	2.18E-02	1.93E-02	1.41E-02	8.53E-03	3.04E-03

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\BFM INSITU UNCERTAINTY ANALYSIS\FCS BFM INSITU UA PU-240.RAD

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

Nuclide	DOSE(i,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	3.38E-06	3.38E-06	3.38E-06	3.39E-06	3.40E-06	0.00E+00	0.00E+00	0.00E+00
Max	2.82E-02	2.78E-02	2.71E-02	2.47E-02	1.90E-02	7.61E-03	3.62E-03	1.37E-03
Avg	7.84E-04	7.83E-04	7.79E-04	7.68E-04	7.37E-04	6.53E-04	4.99E-04	2.33E-04
Std	1.65E-03	1.64E-03	1.62E-03	1.54E-03	1.36E-03	9.96E-04	6.08E-04	2.18E-04
ALL								
Min	3.38E-06	3.38E-06	3.38E-06	3.39E-06	3.40E-06	0.00E+00	0.00E+00	0.00E+00
Max	2.82E-02	2.78E-02	2.71E-02	2.47E-02	1.90E-02	7.61E-03	3.62E-03	1.37E-03
Avg	7.84E-04	7.83E-04	7.79E-04	7.68E-04	7.37E-04	6.53E-04	4.99E-04	2.33E-04
Std	1.65E-03	1.64E-03	1.62E-03	1.54E-03	1.36E-03	9.96E-04	6.08E-04	2.18E-04

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\BFM INSITU UNCERTAINTY ANALYSIS\FCS BFM INSITU UA 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	6.79E-01	6.79E-01	6.79E-01	6.78E-01	6.77E-01	6.91E-01	7.60E-01	0.00E+00
0.050	8.27E-01	8.27E-01	8.27E-01	8.26E-01	8.44E-01	8.58E-01	9.73E-01	5.06E-01
0.075	9.51E-01	9.52E-01	9.65E-01	9.76E-01	1.01E+00	1.05E+00	1.18E+00	7.51E-01
0.100	1.16E+00	1.16E+00	1.16E+00	1.17E+00	1.19E+00	1.22E+00	1.32E+00	9.34E-01
0.125	1.35E+00	1.36E+00	1.36E+00	1.36E+00	1.37E+00	1.40E+00	1.49E+00	1.09E+00
0.150	1.52E+00	1.53E+00	1.53E+00	1.56E+00	1.57E+00	1.57E+00	1.65E+00	1.19E+00
0.175	1.69E+00	1.69E+00	1.69E+00	1.71E+00	1.73E+00	1.75E+00	1.85E+00	1.31E+00
0.200	1.85E+00	1.85E+00	1.85E+00	1.85E+00	1.89E+00	1.94E+00	2.00E+00	1.44E+00
0.225	2.05E+00	2.05E+00	2.06E+00	2.06E+00	2.08E+00	2.10E+00	2.11E+00	1.58E+00
0.250	2.25E+00	2.25E+00	2.26E+00	2.27E+00	2.27E+00	2.29E+00	2.32E+00	1.67E+00
0.275	2.42E+00	2.42E+00	2.42E+00	2.42E+00	2.42E+00	2.44E+00	2.50E+00	1.76E+00
0.300	2.58E+00	2.58E+00	2.58E+00	2.59E+00	2.60E+00	2.61E+00	2.66E+00	1.87E+00
0.325	2.87E+00	2.87E+00	2.87E+00	2.87E+00	2.88E+00	2.92E+00	2.93E+00	1.97E+00
0.350	3.15E+00	3.15E+00	3.15E+00	3.17E+00	3.18E+00	3.20E+00	3.20E+00	2.09E+00
0.375	3.43E+00	3.43E+00	3.43E+00	3.43E+00	3.43E+00	3.43E+00	3.38E+00	2.23E+00
0.400	3.68E+00	3.67E+00	3.67E+00	3.67E+00	3.68E+00	3.63E+00	3.58E+00	2.39E+00
0.425	4.03E+00	4.03E+00	4.03E+00	4.03E+00	4.02E+00	4.01E+00	3.86E+00	2.59E+00
0.450	4.30E+00	4.30E+00	4.30E+00	4.30E+00	4.30E+00	4.30E+00	4.15E+00	2.72E+00
0.475	4.59E+00	4.59E+00	4.59E+00	4.59E+00	4.60E+00	4.59E+00	4.45E+00	2.86E+00
0.500	5.04E+00	5.04E+00	5.04E+00	5.03E+00	5.01E+00	4.98E+00	4.71E+00	3.07E+00
0.525	5.44E+00	5.44E+00	5.43E+00	5.46E+00	5.49E+00	5.38E+00	5.21E+00	3.29E+00
0.550	5.87E+00	5.87E+00	5.87E+00	5.87E+00	5.90E+00	5.84E+00	5.47E+00	3.56E+00
0.575	6.38E+00	6.38E+00	6.38E+00	6.36E+00	6.32E+00	6.21E+00	5.86E+00	3.82E+00
0.600	6.91E+00	6.91E+00	6.91E+00	6.91E+00	6.88E+00	6.76E+00	6.37E+00	3.95E+00
0.625	7.57E+00	7.57E+00	7.57E+00	7.56E+00	7.55E+00	7.29E+00	6.95E+00	4.30E+00
0.650	8.41E+00	8.41E+00	8.41E+00	8.39E+00	8.35E+00	8.20E+00	7.64E+00	4.68E+00
0.675	9.32E+00	9.31E+00	9.31E+00	9.27E+00	9.18E+00	8.97E+00	8.11E+00	4.91E+00
0.700	1.02E+01	1.02E+01	1.01E+01	1.01E+01	1.01E+01	9.80E+00	8.89E+00	5.34E+00
0.725	1.11E+01	1.11E+01	1.11E+01	1.11E+01	1.10E+01	1.07E+01	9.59E+00	5.60E+00
0.750	1.20E+01	1.20E+01	1.20E+01	1.19E+01	1.19E+01	1.15E+01	1.04E+01	6.00E+00
0.775	1.35E+01	1.35E+01	1.35E+01	1.35E+01	1.33E+01	1.29E+01	1.15E+01	6.34E+00
0.800	1.50E+01	1.50E+01	1.50E+01	1.49E+01	1.48E+01	1.43E+01	1.25E+01	6.57E+00
0.825	1.71E+01	1.71E+01	1.71E+01	1.70E+01	1.67E+01	1.61E+01	1.36E+01	6.93E+00
0.850	1.95E+01	1.95E+01	1.96E+01	1.95E+01	1.91E+01	1.82E+01	1.58E+01	7.26E+00
0.875	2.27E+01	2.27E+01	2.27E+01	2.25E+01	2.22E+01	2.08E+01	1.73E+01	7.82E+00
0.900	2.82E+01	2.82E+01	2.82E+01	2.80E+01	2.75E+01	2.56E+01	1.98E+01	8.36E+00
0.925	3.52E+01	3.52E+01	3.52E+01	3.48E+01	3.39E+01	3.06E+01	2.33E+01	9.36E+00
0.950	4.58E+01	4.57E+01	4.55E+01	4.50E+01	4.40E+01	4.00E+01	2.71E+01	1.02E+01
0.975	7.36E+01	7.35E+01	7.34E+01	7.32E+01	7.06E+01	6.20E+01	3.46E+01	1.20E+01
1.000	3.44E+02	3.39E+02	3.30E+02	3.02E+02	2.32E+02	1.01E+02	5.09E+01	1.57E+01

Probabilistic results summary : RESRAD Default Parameters

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

Summary of dose at graphical times, reptition 1

Time Years	Dose statistics at graphical times, mrem/yr							
	Minimum	Maximum	Mean	Median	90%	95%	97.5%	99%
0.00E+00	1.20E-01	3.44E+02	1.25E+01	5.04E+00	2.81E+01	4.55E+01	7.47E+01	1.29E+02
1.00E+00	1.20E-01	3.39E+02	1.25E+01	5.04E+00	2.80E+01	4.55E+01	7.46E+01	1.28E+02
1.06E+00	1.20E-01	3.39E+02	1.25E+01	5.04E+00	2.80E+01	4.55E+01	7.46E+01	1.28E+02
1.12E+00	1.20E-01	3.39E+02	1.25E+01	5.04E+00	2.80E+01	4.55E+01	7.46E+01	1.28E+02
1.19E+00	1.20E-01	3.38E+02	1.25E+01	5.04E+00	2.80E+01	4.55E+01	7.46E+01	1.28E+02
1.25E+00	1.20E-01	3.38E+02	1.25E+01	5.04E+00	2.80E+01	4.55E+01	7.46E+01	1.28E+02
1.33E+00	1.20E-01	3.38E+02	1.25E+01	5.04E+00	2.80E+01	4.54E+01	7.46E+01	1.28E+02
1.40E+00	1.20E-01	3.37E+02	1.25E+01	5.04E+00	2.80E+01	4.54E+01	7.46E+01	1.28E+02
1.49E+00	1.20E-01	3.37E+02	1.25E+01	5.04E+00	2.80E+01	4.54E+01	7.45E+01	1.28E+02
1.57E+00	1.20E-01	3.37E+02	1.25E+01	5.04E+00	2.80E+01	4.54E+01	7.45E+01	1.28E+02
1.66E+00	1.20E-01	3.36E+02	1.25E+01	5.04E+00	2.80E+01	4.54E+01	7.45E+01	1.28E+02
1.76E+00	1.20E-01	3.36E+02	1.25E+01	5.04E+00	2.80E+01	4.54E+01	7.45E+01	1.28E+02
1.86E+00	1.20E-01	3.35E+02	1.25E+01	5.04E+00	2.80E+01	4.54E+01	7.45E+01	1.28E+02
1.97E+00	1.20E-01	3.35E+02	1.25E+01	5.04E+00	2.80E+01	4.54E+01	7.45E+01	1.28E+02
2.09E+00	1.20E-01	3.34E+02	1.25E+01	5.04E+00	2.80E+01	4.54E+01	7.45E+01	1.28E+02
2.21E+00	1.20E-01	3.34E+02	1.25E+01	5.04E+00	2.80E+01	4.54E+01	7.45E+01	1.28E+02
2.24E+00	1.20E-01	3.33E+02	1.25E+01	5.04E+00	2.80E+01	4.54E+01	7.45E+01	1.28E+02
2.27E+00	1.20E-01	3.33E+02	1.25E+01	5.04E+00	2.80E+01	4.54E+01	7.45E+01	1.28E+02
2.26E+00	1.20E-01	3.32E+02	1.25E+01	5.04E+00	2.80E+01	4.54E+01	7.44E+01	1.28E+02
2.27E+00	1.20E-01	3.31E+02	1.25E+01	5.04E+00	2.80E+01	4.54E+01	7.44E+01	1.28E+02
2.93E+00	1.20E-01	3.31E+02	1.25E+01	5.04E+00	2.80E+01	4.54E+01	7.44E+01	1.28E+02
3.00E+00	1.20E-01	3.30E+02	1.24E+01	5.04E+00	2.80E+01	4.54E+01	7.44E+01	1.28E+02
3.310E+00	1.20E-01	3.30E+02	1.24E+01	5.04E+00	2.80E+01	4.53E+01	7.44E+01	1.28E+02
3.328E+00	1.20E-01	3.29E+02	1.24E+01	5.04E+00	2.80E+01	4.53E+01	7.44E+01	1.27E+02
3.48E+00	1.20E-01	3.28E+02	1.24E+01	5.04E+00	2.80E+01	4.53E+01	7.44E+01	1.27E+02
3.68E+00	1.20E-01	3.28E+02	1.24E+01	5.04E+00	2.80E+01	4.53E+01	7.43E+01	1.27E+02
3.89E+00	1.20E-01	3.27E+02	1.24E+01	5.04E+00	2.80E+01	4.53E+01	7.43E+01	1.27E+02
4.12E+00	1.20E-01	3.26E+02	1.24E+01	5.04E+00	2.80E+01	4.53E+01	7.43E+01	1.27E+02
4.36E+00	1.20E-01	3.25E+02	1.24E+01	5.04E+00	2.80E+01	4.53E+01	7.43E+01	1.27E+02
4.61E+00	1.19E-01	3.24E+02	1.24E+01	5.04E+00	2.80E+01	4.53E+01	7.43E+01	1.27E+02
4.88E+00	1.19E-01	3.22E+02	1.24E+01	5.04E+00	2.80E+01	4.52E+01	7.42E+01	1.27E+02
5.17E+00	1.19E-01	3.21E+02	1.24E+01	5.04E+00	2.80E+01	4.52E+01	7.42E+01	1.27E+02
5.47E+00	1.19E-01	3.20E+02	1.24E+01	5.04E+00	2.80E+01	4.52E+01	7.42E+01	1.27E+02
5.57E+00	1.19E-01	3.19E+02	1.24E+01	5.04E+00	2.79E+01	4.52E+01	7.41E+01	1.26E+02
6.12E+00	1.19E-01	3.17E+02	1.24E+01	5.04E+00	2.79E+01	4.52E+01	7.41E+01	1.26E+02
6.48E+00	1.19E-01	3.16E+02	1.24E+01	5.04E+00	2.79E+01	4.52E+01	7.41E+01	1.26E+02
6.86E+00	1.19E-01	3.14E+02	1.23E+01	5.04E+00	2.79E+01	4.51E+01	7.40E+01	1.26E+02
7.26E+00	1.19E-01	3.13E+02	1.23E+01	5.04E+00	2.79E+01	4.51E+01	7.40E+01	1.26E+02
7.68E+00	1.19E-01	3.11E+02	1.23E+01	5.03E+00	2.79E+01	4.51E+01	7.40E+01	1.26E+02
8.13E+00	1.19E-01	3.09E+02	1.23E+01	5.03E+00	2.79E+01	4.51E+01	7.39E+01	1.25E+02
8.60E+00	1.19E-01	3.07E+02	1.23E+01	5.03E+00	2.79E+01	4.50E+01	7.39E+01	1.25E+02
9.10E+00	1.19E-01	3.05E+02	1.23E+01	5.03E+00	2.79E+01	4.50E+01	7.39E+01	1.25E+02
9.63E+00	1.19E-01	3.03E+02	1.23E+01	5.03E+00	2.79E+01	4.50E+01	7.38E+01	1.25E+02
1.00E+01	1.19E-01	3.02E+02	1.23E+01	5.03E+00	2.79E+01	4.50E+01	7.38E+01	1.25E+02
1.02E+01	1.19E-01	3.01E+02	1.22E+01	5.03E+00	2.79E+01	4.50E+01	7.38E+01	1.25E+02
1.08E+01	1.19E-01	2.98E+02	1.22E+01	5.03E+00	2.78E+01	4.49E+01	7.37E+01	1.24E+02
1.14E+01	1.19E-01	2.96E+02	1.22E+01	5.03E+00	2.78E+01	4.49E+01	7.36E+01	1.24E+02
1.21E+01	1.19E-01	2.93E+02	1.22E+01	5.03E+00	2.78E+01	4.48E+01	7.35E+01	1.24E+02
1.28E+01	1.19E-01	2.91E+02	1.22E+01	5.03E+00	2.78E+01	4.48E+01	7.34E+01	1.23E+02
1.35E+01	1.19E-01	2.88E+02	1.22E+01	5.03E+00	2.78E+01	4.48E+01	7.33E+01	1.23E+02
1.43E+01	1.19E-01	2.85E+02	1.21E+01	5.03E+00	2.78E+01	4.47E+01	7.32E+01	1.23E+02
1.51E+01	1.19E-01	2.82E+02	1.21E+01	5.03E+00	2.77E+01	4.47E+01	7.31E+01	1.22E+02
1.60E+01	1.19E-01	2.79E+02	1.21E+01	5.03E+00	2.77E+01	4.46E+01	7.30E+01	1.22E+02
1.70E+01	1.19E-01	2.75E+02	1.21E+01	5.03E+00	2.77E+01	4.46E+01	7.29E+01	1.22E+02
1.80E+01	1.19E-01	2.72E+02	1.20E+01	5.03E+00	2.77E+01	4.45E+01	7.27E+01	1.21E+02
1.90E+01	1.19E-01	2.68E+02	1.20E+01	5.03E+00	2.77E+01	4.45E+01	7.26E+01	1.21E+02

2.01E+01 1.19E-01 2.64E+02 1.20E+01 5.03E+00 2.77E+01 4.44E+01 7.24E+01 1.20E+02

2.13E+01 1.19E-01 2.60E+02 1.20E+01 5.03E+00 2.76E+01 4.43E+01 7.23E+01 1.20E+02

2.25E+01 1.19E-01 2.56E+02 1.19E+01 5.03E+00 2.76E+01 4.43E+01 7.21E+01 1.19E+02

2.38E+01 1.19E-01 2.52E+02 1.19E+01 5.04E+00 2.76E+01 4.42E+01 7.19E+01 1.19E+02

2.52E+01 1.19E-01 2.47E+02 1.19E+01 5.04E+00 2.76E+01 4.41E+01 7.18E+01 1.18E+02



2.67E+01 1.19E-01 2.42E+02 1.18E+01 5.04E+00 2.75E+01 4.40E+01 7.16E+01 1.18E+02

2.82E+01 1.19E-01 2.38E+02 1.18E+01 5.04E+00 2.75E+01 4.40E+01 7.14E+01 1.17E+02

2.99E+01 1.19E-01 2.32E+02 1.17E+01 5.04E+00 2.75E+01 4.39E+01 7.12E+01 1.16E+02

3.00E+01 1.19E-01 2.32E+02 1.17E+01 5.03E+00 2.74E+01 4.39E+01 7.11E+01 1.16E+02

3.16E+01 1.19E-01 2.27E+02 1.17E+01 5.03E+00 2.74E+01 4.38E+01 7.09E+01 1.16E+02

3.35E+01 1.19E-01 2.22E+02 1.17E+01 5.03E+00 2.74E+01 4.37E+01 7.07E+01 1.15E+02

3.54E+01 1.19E-01 2.16E+02 1.16E+01 5.04E+00 2.73E+01 4.36E+01 7.04E+01 1.14E+02

3.75E+01 1.19E-01 2.11E+02 1.16E+01 5.04E+00 2.73E+01 4.35E+01 7.02E+01 1.13E+02



97E+01 1.19E-01 2.05E+02 1.15E+01 5.04E+00 2.72E+01 4.33E+01 6.99E+01 1.13E+02

4.20E+01 1.19E-01 1.98E+02 1.15E+01 5.03E+00 2.72E+01 4.32E+01 6.96E+01 1.12E+02

4.44E+01 1.19E-01 1.92E+02 1.14E+01 5.03E+00 2.71E+01 4.31E+01 6.93E+01 1.11E+02

4.70E+01 1.19E-01 1.86E+02 1.13E+01 5.03E+00 2.71E+01 4.30E+01 6.90E+01 1.10E+02

4.97E+01 1.19E-01 1.79E+02 1.13E+01 5.02E+00 2.70E+01 4.28E+01 6.86E+01 1.09E+02

5.26E+01 1.19E-01 1.73E+02 1.12E+01 5.02E+00 2.70E+01 4.27E+01 6.82E+01 1.08E+02

5.57E+01 1.19E-01 1.66E+02 1.12E+01 5.02E+00 2.69E+01 4.25E+01 6.79E+01 1.07E+02

1.90E+01 1.19E-01 1.59E+02 1.11E+01 5.02E+00 2.68E+01 4.24E+01 6.75E+01 1.05E+02



6.24E+01 1.19E-01 1.52E+02 1.10E+01 5.02E+00 2.68E+01 4.22E+01 6.70E+01 1.04E+02

60E+01 1.19E-01 1.45E+02 1.10E+01 5.01E+00 2.67E+01 4.20E+01 6.66E+01 1.03E+02

99E+01 1.19E-01 1.38E+02 1.09E+01 5.01E+00 2.66E+01 4.18E+01 6.61E+01 1.02E+02

7.39E+01 1.19E-01 1.31E+02 1.08E+01 5.01E+00 2.65E+01 4.16E+01 6.56E+01 1.00E+02

7.82E+01 1.19E-01 1.23E+02 1.07E+01 5.01E+00 2.64E+01 4.14E+01 6.51E+01 9.85E+01

8.28E+01 1.18E-01 1.16E+02 1.06E+01 5.00E+00 2.63E+01 4.12E+01 6.46E+01 9.57E+01

8.76E+01 1.18E-01 1.09E+02 1.06E+01 5.00E+00 2.62E+01 4.09E+01 6.40E+01 9.28E+01

9.27E+01 1.18E-01 1.02E+02 1.05E+01 5.00E+00 2.61E+01 4.07E+01 6.34E+01 8.99E+01



9.81E+01 1.18E-01 9.52E+01 1.04E+01 5.00E+00 2.59E+01 4.04E+01 6.28E+01 8.69E+01

1.00E+02 1.18E-01 9.29E+01 1.04E+01 4.99E+00 2.59E+01 4.03E+01 6.26E+01 8.58E+01

1.04E+02 1.18E-01 9.06E+01 1.03E+01 4.99E+00 2.58E+01 4.01E+01 6.21E+01 8.38E+01

1.10E+02 1.18E-01 8.87E+01 1.02E+01 4.99E+00 2.56E+01 3.99E+01 6.13E+01 8.08E+01

1.16E+02 1.18E-01 8.68E+01 1.01E+01 4.99E+00 2.54E+01 3.96E+01 6.03E+01 7.74E+01

1.23E+02 1.18E-01 8.48E+01 1.00E+01 4.99E+00 2.53E+01 3.92E+01 5.92E+01 7.41E+01

1.30E+02 1.18E-01 8.28E+01 9.92E+00 4.98E+00 2.51E+01 3.89E+01 5.81E+01 7.08E+01

1.38E+02 1.18E-01 8.07E+01 9.81E+00 4.97E+00 2.49E+01 3.85E+01 5.61E+01 6.75E+01



1.46E+02 1.18E-01 7.85E+01 9.71E+00 4.97E+00 2.47E+01 3.82E+01 5.38E+01 6.41E+01

1.54E+02 1.18E-01 7.62E+01 9.61E+00 4.96E+00 2.44E+01 3.78E+01 5.27E+01 6.10E+01

1.63E+02 1.17E-01 7.39E+01 9.50E+00 4.96E+00 2.41E+01 3.74E+01 5.15E+01 5.95E+01

1.73E+02 1.17E-01 7.16E+01 9.39E+00 4.95E+00 2.37E+01 3.58E+01 5.03E+01 5.80E+01

1.83E+02 1.17E-01 6.91E+01 9.28E+00 4.94E+00 2.34E+01 3.52E+01 4.90E+01 5.65E+01

1.94E+02 1.17E-01 6.67E+01 9.16E+00 4.93E+00 2.30E+01 3.48E+01 4.66E+01 5.49E+01

2.05E+02 1.17E-01 6.42E+01 9.04E+00 4.91E+00 2.28E+01 3.44E+01 4.46E+01 5.33E+01

2.17E+02 1.17E-01 6.16E+01 8.92E+00 4.90E+00 2.22E+01 3.39E+01 4.34E+01 5.17E+01



2.29E+02 1.17E-01 5.90E+01 8.80E+00 4.87E+00 2.20E+01 3.35E+01 4.21E+01 5.00E+01

2.43E+02 1.16E-01 5.65E+01 8.67E+00 4.84E+00 2.18E+01 3.30E+01 4.08E+01 4.82E+01

2.57E+02 1.16E-01 5.44E+01 8.53E+00 4.80E+00 2.16E+01 3.15E+01 3.95E+01 4.69E+01

2.72E+02 1.16E-01 5.23E+01 8.39E+00 4.78E+00 2.09E+01 2.98E+01 3.87E+01 4.57E+01

2.88E+02 1.16E-01 5.01E+01 8.23E+00 4.75E+00 2.01E+01 2.93E+01 3.79E+01 4.43E+01

3.00E+02 1.16E-01 4.85E+01 8.12E+00 4.69E+00 1.95E+01 2.90E+01 3.73E+01 4.34E+01

3.05E+02 1.16E-01 4.79E+01 8.08E+00 4.68E+00 1.92E+01 2.88E+01 3.70E+01 4.30E+01

3.22E+02 0.00E+00 4.57E+01 7.92E+00 4.66E+00 1.88E+01 2.83E+01 3.57E+01 4.16E+01



3.41E+02 0.00E+00 4.34E+01 7.76E+00 4.55E+00 1.84E+01 2.66E+01 3.45E+01 4.02E+01

3.61E+02 0.00E+00 4.12E+01 7.60E+00 4.55E+00 1.73E+01 2.50E+01 3.32E+01 3.84E+01

3.82E+02 0.00E+00 3.89E+01 7.43E+00 4.56E+00 1.70E+01 2.37E+01 3.19E+01 3.69E+01

4.04E+02 0.00E+00 3.67E+01 7.24E+00 4.47E+00 1.66E+01 2.21E+01 3.05E+01 3.56E+01

4.28E+02 0.00E+00 3.46E+01 7.07E+00 4.45E+00 1.59E+01 2.16E+01 2.91E+01 3.43E+01

4.53E+02 0.00E+00 3.36E+01 6.90E+00 4.42E+00 1.54E+01 2.10E+01 2.76E+01 3.23E+01

4.79E+02 0.00E+00 3.25E+01 6.72E+00 4.40E+00 1.51E+01 2.00E+01 2.58E+01 3.07E+01

5.07E+02 0.00E+00 3.15E+01 6.54E+00 4.34E+00 1.48E+01 1.93E+01 2.48E+01 2.91E+01



5.36E+02 0.00E+00 3.04E+01 6.34E+00 4.29E+00 1.41E+01 1.88E+01 2.38E+01 2.75E+01

5.68E+02 0.00E+00 2.93E+01 6.15E+00 4.18E+00 1.37E+01 1.83E+01 2.29E+01 2.60E+01

0.01E+02 0.00E+00 2.81E+01 5.95E+00 4.04E+00 1.34E+01 1.75E+01 2.17E+01 2.44E+01

6.36E+02 0.00E+00 2.70E+01 5.76E+00 3.97E+00 1.26E+01 1.66E+01 2.08E+01 2.28E+01

6.73E+02 0.00E+00 2.58E+01 5.55E+00 3.93E+00 1.21E+01 1.58E+01 1.98E+01 2.13E+01

7.12E+02 0.00E+00 2.46E+01 5.33E+00 3.76E+00 1.13E+01 1.49E+01 1.87E+01 1.99E+01

7.53E+02 0.00E+00 2.34E+01 5.11E+00 3.63E+00 1.06E+01 1.40E+01 1.76E+01 1.86E+01

7.97E+02 0.00E+00 2.22E+01 4.90E+00 3.47E+00 1.03E+01 1.31E+01 1.66E+01 1.78E+01



8.44E+02 0.00E+00 2.05E+01 4.70E+00 3.38E+00 9.85E+00 1.23E+01 1.54E+01 1.70E+01

9.93E+02 0.00E+00 1.89E+01 4.48E+00 3.21E+00 9.38E+00 1.14E+01 1.44E+01 1.62E+01

9.45E+02 0.00E+00 1.73E+01 4.25E+00 3.07E+00 8.90E+00 1.09E+01 1.34E+01 1.54E+01

1.00E+03 0.00E+00 1.57E+01 4.04E+00 2.93E+00 8.46E+00 1.06E+01 1.22E+01 1.46E+01

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Probabilistic results summary : RESRAD Default Parameters

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

Summary of dose at graphical times, reptition 2

Time Years	Dose statistics at graphical times, mrem/yr							
	Minimum	Maximum	Mean	Median	90%	95%	97.5%	99%
0.00E+00	3.52E-01	3.03E+02	1.23E+01	4.92E+00	2.80E+01	4.78E+01	7.62E+01	1.22E+02
1.00E+00	3.52E-01	3.00E+02	1.23E+01	4.92E+00	2.80E+01	4.77E+01	7.60E+01	1.22E+02
1.06E+00	3.52E-01	3.00E+02	1.23E+01	4.92E+00	2.80E+01	4.77E+01	7.60E+01	1.22E+02
1.12E+00	3.52E-01	2.99E+02	1.23E+01	4.92E+00	2.80E+01	4.77E+01	7.60E+01	1.22E+02
1.19E+00	3.52E-01	2.99E+02	1.23E+01	4.92E+00	2.80E+01	4.77E+01	7.60E+01	1.22E+02
1.25E+00	3.52E-01	2.99E+02	1.23E+01	4.92E+00	2.80E+01	4.77E+01	7.59E+01	1.22E+02
1.33E+00	3.52E-01	2.99E+02	1.23E+01	4.92E+00	2.80E+01	4.77E+01	7.59E+01	1.22E+02
1.40E+00	3.52E-01	2.98E+02	1.23E+01	4.92E+00	2.80E+01	4.77E+01	7.59E+01	1.22E+02
1.49E+00	3.52E-01	2.98E+02	1.23E+01	4.92E+00	2.80E+01	4.77E+01	7.59E+01	1.22E+02
1.57E+00	3.52E-01	2.98E+02	1.23E+01	4.92E+00	2.80E+01	4.77E+01	7.59E+01	1.22E+02
1.66E+00	3.52E-01	2.98E+02	1.23E+01	4.92E+00	2.80E+01	4.77E+01	7.59E+01	1.21E+02
1.76E+00	3.52E-01	2.97E+02	1.23E+01	4.92E+00	2.80E+01	4.77E+01	7.58E+01	1.21E+02
1.86E+00	3.52E-01	2.97E+02	1.23E+01	4.92E+00	2.79E+01	4.76E+01	7.58E+01	1.21E+02
1.97E+00	3.52E-01	2.97E+02	1.23E+01	4.92E+00	2.79E+01	4.76E+01	7.58E+01	1.21E+02
2.09E+00	3.52E-01	2.96E+02	1.23E+01	4.92E+00	2.79E+01	4.76E+01	7.58E+01	1.21E+02
2.21E+00	3.52E-01	2.96E+02	1.23E+01	4.92E+00	2.79E+01	4.76E+01	7.57E+01	1.21E+02
2.24E+00	3.52E-01	2.95E+02	1.23E+01	4.92E+00	2.79E+01	4.76E+01	7.57E+01	1.21E+02
2.27E+00	3.52E-01	2.95E+02	1.23E+01	4.92E+00	2.79E+01	4.76E+01	7.57E+01	1.21E+02
2.27E+00	3.52E-01	2.94E+02	1.23E+01	4.92E+00	2.79E+01	4.76E+01	7.57E+01	1.21E+02
2.27E+00	3.52E-01	2.94E+02	1.22E+01	4.92E+00	2.79E+01	4.76E+01	7.56E+01	1.21E+02
2.27E+00	3.52E-01	2.93E+02	1.22E+01	4.92E+00	2.79E+01	4.76E+01	7.56E+01	1.21E+02
2.27E+00	3.52E-01	2.93E+02	1.22E+01	4.92E+00	2.79E+01	4.76E+01	7.56E+01	1.21E+02
2.27E+00	3.52E-01	2.93E+02	1.22E+01	4.93E+00	2.79E+01	4.76E+01	7.56E+01	1.21E+02
2.27E+00	3.52E-01	2.92E+02	1.22E+01	4.93E+00	2.79E+01	4.75E+01	7.55E+01	1.21E+02
2.27E+00	3.52E-01	2.91E+02	1.22E+01	4.93E+00	2.79E+01	4.75E+01	7.55E+01	1.21E+02
2.27E+00	3.52E-01	2.91E+02	1.22E+01	4.93E+00	2.79E+01	4.75E+01	7.55E+01	1.21E+02
2.27E+00	3.52E-01	2.90E+02	1.22E+01	4.93E+00	2.79E+01	4.75E+01	7.54E+01	1.21E+02
2.27E+00	3.52E-01	2.89E+02	1.22E+01	4.93E+00	2.79E+01	4.75E+01	7.54E+01	1.20E+02
2.27E+00	3.52E-01	2.88E+02	1.22E+01	4.93E+00	2.79E+01	4.75E+01	7.53E+01	1.20E+02
2.27E+00	3.52E-01	2.88E+02	1.22E+01	4.93E+00	2.79E+01	4.74E+01	7.53E+01	1.20E+02
2.27E+00	3.52E-01	2.87E+02	1.22E+01	4.93E+00	2.79E+01	4.74E+01	7.52E+01	1.20E+02
2.27E+00	3.52E-01	2.86E+02	1.22E+01	4.93E+00	2.78E+01	4.74E+01	7.52E+01	1.20E+02
2.27E+00	3.52E-01	2.85E+02	1.22E+01	4.93E+00	2.78E+01	4.74E+01	7.51E+01	1.20E+02
2.27E+00	3.52E-01	2.84E+02	1.22E+01	4.93E+00	2.78E+01	4.74E+01	7.50E+01	1.20E+02
2.27E+00	3.52E-01	2.83E+02	1.22E+01	4.93E+00	2.78E+01	4.73E+01	7.50E+01	1.20E+02
2.27E+00	3.52E-01	2.82E+02	1.22E+01	4.93E+00	2.78E+01	4.73E+01	7.49E+01	1.19E+02
2.27E+00	3.52E-01	2.80E+02	1.22E+01	4.93E+00	2.78E+01	4.73E+01	7.48E+01	1.19E+02
2.27E+00	3.52E-01	2.79E+02	1.21E+01	4.93E+00	2.78E+01	4.72E+01	7.48E+01	1.19E+02
2.27E+00	3.52E-01	2.78E+02	1.21E+01	4.93E+00	2.78E+01	4.72E+01	7.47E+01	1.19E+02
2.27E+00	3.52E-01	2.76E+02	1.21E+01	4.93E+00	2.77E+01	4.72E+01	7.46E+01	1.19E+02
2.27E+00	3.52E-01	2.75E+02	1.21E+01	4.93E+00	2.77E+01	4.72E+01	7.45E+01	1.19E+02
2.27E+00	3.52E-01	2.73E+02	1.21E+01	4.93E+00	2.77E+01	4.71E+01	7.44E+01	1.18E+02
2.27E+00	3.52E-01	2.72E+02	1.21E+01	4.94E+00	2.77E+01	4.71E+01	7.43E+01	1.18E+02
2.27E+00	3.52E-01	2.70E+02	1.21E+01	4.94E+00	2.77E+01	4.70E+01	7.42E+01	1.18E+02
2.27E+00	3.52E-01	2.70E+02	1.21E+01	4.94E+00	2.77E+01	4.70E+01	7.42E+01	1.18E+02
2.27E+00	3.52E-01	2.68E+02	1.21E+01	4.94E+00	2.77E+01	4.70E+01	7.41E+01	1.18E+02
2.27E+00	3.52E-01	2.66E+02	1.20E+01	4.94E+00	2.76E+01	4.69E+01	7.40E+01	1.17E+02
2.27E+00	3.52E-01	2.64E+02	1.20E+01	4.94E+00	2.76E+01	4.69E+01	7.38E+01	1.17E+02
2.27E+00	3.52E-01	2.62E+02	1.20E+01	4.94E+00	2.76E+01	4.68E+01	7.37E+01	1.17E+02
2.27E+00	3.52E-01	2.60E+02	1.20E+01	4.94E+00	2.76E+01	4.68E+01	7.36E+01	1.17E+02
2.27E+00	3.52E-01	2.57E+02	1.20E+01	4.94E+00	2.76E+01	4.67E+01	7.34E+01	1.16E+02
2.27E+00	3.51E-01	2.55E+02	1.20E+01	4.94E+00	2.75E+01	4.67E+01	7.32E+01	1.16E+02
2.27E+00	3.51E-01	2.52E+02	1.19E+01	4.95E+00	2.75E+01	4.66E+01	7.31E+01	1.16E+02
2.27E+00	3.51E-01	2.50E+02	1.19E+01	4.95E+00	2.75E+01	4.65E+01	7.29E+01	1.15E+02
2.27E+00	3.51E-01	2.47E+02	1.19E+01	4.95E+00	2.75E+01	4.65E+01	7.27E+01	1.15E+02
2.27E+00	3.51E-01	2.44E+02	1.19E+01	4.95E+00	2.74E+01	4.64E+01	7.25E+01	1.14E+02

2.01E+01 3.51E-01 2.41E+02 1.18E+01 4.95E+00 2.74E+01 4.63E+01 7.23E+01 1.14E+02



2.13E+01 3.51E-01 2.38E+02 1.18E+01 4.95E+00 2.74E+01 4.62E+01 7.21E+01 1.14E+02

2.25E+01 3.51E-01 2.34E+02 1.18E+01 4.95E+00 2.73E+01 4.61E+01 7.19E+01 1.13E+02

2.38E+01 3.51E-01 2.31E+02 1.18E+01 4.95E+00 2.73E+01 4.61E+01 7.16E+01 1.13E+02

2.52E+01 3.51E-01 2.27E+02 1.17E+01 4.95E+00 2.73E+01 4.60E+01 7.14E+01 1.12E+02

2.67E+01 3.51E-01 2.23E+02 1.17E+01 4.95E+00 2.72E+01 4.58E+01 7.11E+01 1.11E+02

2.82E+01 3.51E-01 2.19E+02 1.17E+01 4.95E+00 2.72E+01 4.57E+01 7.08E+01 1.11E+02

2.99E+01 3.51E-01 2.15E+02 1.16E+01 4.95E+00 2.71E+01 4.56E+01 7.05E+01 1.10E+02

3.00E+01 3.51E-01 2.15E+02 1.16E+01 4.95E+00 2.71E+01 4.56E+01 7.05E+01 1.10E+02



3.16E+01 3.51E-01 2.11E+02 1.16E+01 4.96E+00 2.70E+01 4.55E+01 7.02E+01 1.10E+02

3.35E+01 3.51E-01 2.07E+02 1.15E+01 4.96E+00 2.70E+01 4.54E+01 6.99E+01 1.09E+02

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3.75E+01 3.51E-01 1.97E+02 1.15E+01 4.96E+00 2.69E+01 4.51E+01 6.92E+01 1.07E+02

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4.20E+01 3.50E-01 1.87E+02 1.14E+01 4.96E+00 2.67E+01 4.48E+01 6.84E+01 1.06E+02

4.44E+01 3.50E-01 1.82E+02 1.13E+01 4.96E+00 2.66E+01 4.46E+01 6.79E+01 1.05E+02

4.70E+01 3.50E-01 1.77E+02 1.13E+01 4.96E+00 2.65E+01 4.44E+01 6.75E+01 1.04E+02



4.97E+01 3.50E-01 1.71E+02 1.12E+01 4.96E+00 2.65E+01 4.42E+01 6.70E+01 1.03E+02

5.26E+01 3.50E-01 1.66E+02 1.12E+01 4.96E+00 2.64E+01 4.40E+01 6.65E+01 1.02E+02

5.57E+01 3.50E-01 1.60E+02 1.11E+01 4.95E+00 2.63E+01 4.38E+01 6.60E+01 1.01E+02

5.90E+01 3.50E-01 1.54E+02 1.10E+01 4.95E+00 2.62E+01 4.36E+01 6.54E+01 9.97E+01

6.24E+01 3.50E-01 1.48E+02 1.10E+01 4.94E+00 2.61E+01 4.34E+01 6.48E+01 9.86E+01

6.60E+01 3.49E-01 1.42E+02 1.09E+01 4.94E+00 2.60E+01 4.31E+01 6.42E+01 9.73E+01

99E+01 3.49E-01 1.36E+02 1.09E+01 4.93E+00 2.59E+01 4.29E+01 6.35E+01 9.61E+01

7.39E+01 3.49E-01 1.30E+02 1.08E+01 4.93E+00 2.58E+01 4.26E+01 6.29E+01 9.47E+01



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8.28E+01 3.49E-01 1.17E+02 1.06E+01 4.94E+00 2.56E+01 4.20E+01 6.14E+01 9.19E+01

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9.27E+01 3.48E-01 1.05E+02 1.05E+01 4.94E+00 2.54E+01 4.14E+01 6.02E+01 8.88E+01

9.81E+01 3.48E-01 9.82E+01 1.04E+01 4.95E+00 2.53E+01 4.09E+01 5.96E+01 8.72E+01

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1.30E+02 3.47E-01 7.80E+01 9.93E+00 4.94E+00 2.46E+01 3.81E+01 5.61E+01 7.72E+01

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2.43E+02 3.43E-01 5.90E+01 8.69E+00 4.86E+00 2.09E+01 3.00E+01 4.08E+01 5.29E+01

2.57E+02 3.42E-01 5.69E+01 8.54E+00 4.77E+00 2.06E+01 2.94E+01 3.98E+01 5.04E+01

2.72E+02 3.41E-01 5.48E+01 8.39E+00 4.73E+00 2.02E+01 2.88E+01 3.87E+01 4.80E+01



2.88E+02 0.00E+00 5.26E+01 8.23E+00 4.69E+00 1.98E+01 2.81E+01 3.70E+01 4.69E+01

3.00E+02 0.00E+00 5.09E+01 8.08E+00 4.67E+00 1.95E+01 2.70E+01 3.38E+01 4.34E+01

3.05E+02 0.00E+00 5.03E+01 8.02E+00 4.66E+00 1.94E+01 2.64E+01 3.33E+01 4.27E+01

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3.82E+02 0.00E+00 4.12E+01 7.32E+00 4.49E+00 1.78E+01 2.40E+01 2.81E+01 3.39E+01

4.04E+02 0.00E+00 3.89E+01 7.15E+00 4.47E+00 1.75E+01 2.34E+01 2.70E+01 3.28E+01



4.28E+02 0.00E+00 3.66E+01 6.98E+00 4.45E+00 1.69E+01 2.24E+01 2.56E+01 3.17E+01

4.53E+02 0.00E+00 3.43E+01 6.81E+00 4.37E+00 1.63E+01 2.13E+01 2.44E+01 3.06E+01

4.79E+02 0.00E+00 3.22E+01 6.63E+00 4.31E+00 1.57E+01 2.03E+01 2.30E+01 2.95E+01

5.07E+02 0.00E+00 3.03E+01 6.43E+00 4.26E+00 1.52E+01 1.92E+01 2.19E+01 2.83E+01

5.36E+02 0.00E+00 2.84E+01 6.23E+00 4.15E+00 1.46E+01 1.84E+01 2.09E+01 2.71E+01

5.68E+02 0.00E+00 2.66E+01 6.04E+00 4.08E+00 1.40E+01 1.76E+01 1.98E+01 2.54E+01

0.01E+02 0.00E+00 2.48E+01 5.85E+00 4.04E+00 1.34E+01 1.63E+01 1.90E+01 2.34E+01

6.36E+02 0.00E+00 2.36E+01 5.66E+00 3.95E+00 1.27E+01 1.54E+01 1.82E+01 2.13E+01



6.73E+02 0.00E+00 2.23E+01 5.46E+00 3.88E+00 1.20E+01 1.47E+01 1.73E+01 1.94E+01

7.12E+02 0.00E+00 2.11E+01 5.26E+00 3.73E+00 1.14E+01 1.40E+01 1.65E+01 1.82E+01

7.53E+02 0.00E+00 1.99E+01 5.06E+00 3.63E+00 1.09E+01 1.34E+01 1.54E+01 1.73E+01

7.97E+02 0.00E+00 1.87E+01 4.86E+00 3.53E+00 1.01E+01 1.27E+01 1.42E+01 1.64E+01

8.44E+02 0.00E+00 1.75E+01 4.65E+00 3.42E+00 9.42E+00 1.17E+01 1.36E+01 1.57E+01

8.93E+02 0.00E+00 1.63E+01 4.45E+00 3.31E+00 8.97E+00 1.08E+01 1.27E+01 1.49E+01

9.45E+02 0.00E+00 1.51E+01 4.24E+00 3.21E+00 8.53E+00 1.01E+01 1.22E+01 1.41E+01

1.00E+03 0.00E+00 1.46E+01 4.03E+00 3.08E+00 8.25E+00 9.55E+00 1.14E+01 1.34E+01



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2.01E+01 2.01E-01 1.87E+02 1.17E+01 5.03E+00 2.82E+01 4.60E+01 7.48E+01 1.09E+02

2.13E+01 2.02E-01 1.86E+02 1.17E+01 5.03E+00 2.81E+01 4.59E+01 7.46E+01 1.09E+02

2.25E+01 2.03E-01 1.84E+02 1.16E+01 5.03E+00 2.81E+01 4.58E+01 7.44E+01 1.08E+02

2.38E+01 2.04E-01 1.82E+02 1.16E+01 5.03E+00 2.80E+01 4.57E+01 7.42E+01 1.07E+02

2.52E+01 2.05E-01 1.80E+02 1.16E+01 5.03E+00 2.80E+01 4.56E+01 7.40E+01 1.07E+02



2.67E+01 2.05E-01 1.78E+02 1.16E+01 5.03E+00 2.79E+01 4.55E+01 7.38E+01 1.06E+02

2.82E+01 2.06E-01 1.76E+02 1.15E+01 5.03E+00 2.79E+01 4.54E+01 7.36E+01 1.05E+02

2.99E+01 2.08E-01 1.74E+02 1.15E+01 5.02E+00 2.78E+01 4.52E+01 7.34E+01 1.05E+02

3.00E+01 2.08E-01 1.74E+02 1.15E+01 5.02E+00 2.78E+01 4.52E+01 7.33E+01 1.05E+02

3.16E+01 2.09E-01 1.71E+02 1.15E+01 5.02E+00 2.77E+01 4.51E+01 7.31E+01 1.04E+02

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3.54E+01 2.11E-01 1.66E+02 1.14E+01 5.02E+00 2.76E+01 4.48E+01 7.26E+01 1.02E+02

3.75E+01 2.12E-01 1.64E+02 1.14E+01 5.01E+00 2.75E+01 4.46E+01 7.23E+01 1.01E+02



3.97E+01 2.14E-01 1.61E+02 1.13E+01 5.01E+00 2.74E+01 4.44E+01 7.20E+01 1.00E+02

4.20E+01 2.15E-01 1.58E+02 1.13E+01 5.01E+00 2.74E+01 4.43E+01 7.17E+01 9.92E+01

4.44E+01 2.17E-01 1.55E+02 1.12E+01 5.01E+00 2.73E+01 4.41E+01 7.13E+01 9.81E+01

4.70E+01 2.18E-01 1.52E+02 1.12E+01 5.00E+00 2.72E+01 4.39E+01 7.09E+01 9.70E+01

4.97E+01 2.20E-01 1.49E+02 1.12E+01 5.00E+00 2.71E+01 4.36E+01 7.05E+01 9.58E+01

5.26E+01 2.22E-01 1.46E+02 1.11E+01 5.00E+00 2.70E+01 4.34E+01 7.00E+01 9.46E+01

5.57E+01 2.24E-01 1.42E+02 1.11E+01 4.99E+00 2.70E+01 4.32E+01 6.96E+01 9.34E+01

5.90E+01 2.26E-01 1.39E+02 1.10E+01 4.99E+00 2.69E+01 4.29E+01 6.91E+01 9.20E+01



6.24E+01 2.28E-01 1.35E+02 1.09E+01 4.99E+00 2.68E+01 4.27E+01 6.85E+01 9.07E+01

6.0E+01 0.00E+00 1.31E+02 1.09E+01 4.98E+00 2.67E+01 4.24E+01 6.80E+01 8.92E+01

99E+01 0.00E+00 1.27E+02 1.08E+01 4.98E+00 2.66E+01 4.21E+01 6.74E+01 8.77E+01

7.39E+01 0.00E+00 1.23E+02 1.08E+01 4.97E+00 2.65E+01 4.18E+01 6.68E+01 8.62E+01

7.82E+01 0.00E+00 1.19E+02 1.07E+01 4.97E+00 2.64E+01 4.15E+01 6.62E+01 8.46E+01

8.28E+01 0.00E+00 1.15E+02 1.06E+01 4.97E+00 2.62E+01 4.12E+01 6.55E+01 8.29E+01

8.76E+01 0.00E+00 1.11E+02 1.06E+01 4.96E+00 2.61E+01 4.08E+01 6.49E+01 8.11E+01

9.27E+01 0.00E+00 1.07E+02 1.05E+01 4.96E+00 2.60E+01 4.05E+01 6.41E+01 7.94E+01



9.81E+01 0.00E+00 1.02E+02 1.04E+01 4.96E+00 2.58E+01 4.01E+01 6.34E+01 7.83E+01

1.00E+02 0.00E+00 1.01E+02 1.04E+01 4.96E+00 2.58E+01 4.00E+01 6.31E+01 7.80E+01

1.04E+02 0.00E+00 9.81E+01 1.03E+01 4.96E+00 2.57E+01 3.97E+01 6.26E+01 7.73E+01

1.10E+02 0.00E+00 9.53E+01 1.02E+01 4.96E+00 2.55E+01 3.93E+01 6.18E+01 7.62E+01

1.16E+02 0.00E+00 9.25E+01 1.01E+01 4.96E+00 2.54E+01 3.89E+01 6.09E+01 7.50E+01

1.23E+02 0.00E+00 8.96E+01 1.01E+01 4.95E+00 2.52E+01 3.87E+01 6.01E+01 7.38E+01

1.30E+02 0.00E+00 8.66E+01 9.96E+00 4.96E+00 2.50E+01 3.84E+01 5.91E+01 7.26E+01

1.38E+02 0.00E+00 8.36E+01 9.87E+00 4.96E+00 2.48E+01 3.81E+01 5.82E+01 7.13E+01



1.46E+02 0.00E+00 8.05E+01 9.77E+00 4.96E+00 2.46E+01 3.79E+01 5.72E+01 7.00E+01

1.54E+02 0.00E+00 7.73E+01 9.66E+00 4.97E+00 2.44E+01 3.75E+01 5.61E+01 6.75E+01

1.63E+02 0.00E+00 7.41E+01 9.56E+00 4.98E+00 2.42E+01 3.69E+01 5.50E+01 6.62E+01

1.73E+02 0.00E+00 7.08E+01 9.45E+00 4.99E+00 2.40E+01 3.63E+01 5.39E+01 6.48E+01

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2.17E+02 0.00E+00 5.91E+01 8.98E+00 4.99E+00 2.30E+01 3.24E+01 4.43E+01 5.75E+01



2.29E+02 0.00E+00 5.74E+01 8.86E+00 4.94E+00 2.27E+01 3.17E+01 4.27E+01 5.42E+01

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2.72E+02 0.00E+00 5.24E+01 8.45E+00 4.81E+00 2.14E+01 2.78E+01 3.76E+01 4.70E+01

2.88E+02 0.00E+00 5.06E+01 8.29E+00 4.79E+00 2.10E+01 2.74E+01 3.67E+01 4.56E+01

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3.61E+02 0.00E+00 4.32E+01 7.64E+00 4.75E+00 1.90E+01 2.43E+01 3.16E+01 3.94E+01

3.82E+02 0.00E+00 4.12E+01 7.47E+00 4.68E+00 1.81E+01 2.30E+01 3.09E+01 3.78E+01

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4.53E+02 0.00E+00 3.54E+01 6.93E+00 4.50E+00 1.62E+01 2.11E+01 2.71E+01 3.25E+01

4.79E+02 0.00E+00 3.34E+01 6.75E+00 4.43E+00 1.59E+01 2.01E+01 2.57E+01 3.02E+01

5.07E+02 0.00E+00 3.15E+01 6.56E+00 4.34E+00 1.50E+01 1.94E+01 2.44E+01 2.80E+01



5.36E+02 0.00E+00 2.95E+01 6.35E+00 4.21E+00 1.47E+01 1.86E+01 2.31E+01 2.66E+01

5.68E+02 0.00E+00 2.76E+01 6.14E+00 4.12E+00 1.43E+01 1.78E+01 2.18E+01 2.57E+01

0.01E+02 0.00E+00 2.57E+01 5.94E+00 4.08E+00 1.40E+01 1.69E+01 2.05E+01 2.38E+01

6.36E+02 0.00E+00 2.43E+01 5.74E+00 4.04E+00 1.33E+01 1.60E+01 1.93E+01 2.26E+01

6.73E+02 0.00E+00 2.35E+01 5.54E+00 3.99E+00 1.27E+01 1.53E+01 1.81E+01 2.16E+01

7.12E+02 0.00E+00 2.27E+01 5.33E+00 3.92E+00 1.21E+01 1.42E+01 1.76E+01 2.02E+01

7.53E+02 0.00E+00 2.13E+01 5.12E+00 3.85E+00 1.15E+01 1.38E+01 1.67E+01 1.84E+01

7.97E+02 0.00E+00 1.98E+01 4.91E+00 3.70E+00 1.08E+01 1.30E+01 1.63E+01 1.71E+01



8.44E+02 0.00E+00 1.83E+01 4.69E+00 3.56E+00 1.04E+01 1.25E+01 1.53E+01 1.64E+01

93E+02 0.00E+00 1.68E+01 4.48E+00 3.41E+00 1.01E+01 1.19E+01 1.43E+01 1.58E+01

9.45E+02 0.00E+00 1.54E+01 4.26E+00 3.22E+00 9.60E+00 1.11E+01 1.35E+01 1.52E+01

1.00E+03 0.00E+00 1.47E+01 4.03E+00 3.18E+00 8.90E+00 1.04E+01 1.21E+01 1.39E+01

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Probabilistic results summary : RESRAD Default Parameters

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

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

Repetition	Time of peak mean dose		Peak mean dose mrem/yr
	Years		
1	0.000E+00	1.254E+01	
2	0.000E+00	1.232E+01	
3	0.000E+00	1.207E+01	

Title : RESRAD Default Parameters  
 Input File : FCS BFM INSITU UA 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	8	-0.03	8	-0.03	8	-0.04	8	0.00
Contaminated zone b parameter	12	0.01	12	0.01	10	0.03	10	0.00
Evapotranspiration coefficient	14	0.01	14	0.01	12	-0.02	12	0.00
Wind Speed	9	0.02	9	0.02	17	0.01	17	0.00
Runoff coefficient	10	0.02	10	0.02	7	0.04	7	0.00
b Parameter of Unsaturated zone 1	2	0.10	2	0.10	9	0.04	9	0.00
Mass loading for inhalation	15	0.00	15	0.00	15	-0.02	15	0.00
Indoor dust filtration factor	3	-0.09	3	-0.09	13	0.02	13	0.00
Depth of soil mixing layer	7	0.03	7	0.03	14	-0.02	14	0.00
Depth of roots	4	-0.07	4	-0.07	4	0.35	4	0.02
Wet weight crop yield of fruit, grain and non-leafy vegetables	16	0.00	16	0.00	6	-0.19	6	-0.01
Weathering removal constant of all vegetation	11	-0.02	11	-0.02	3	-0.40	3	-0.02
Wet foliar interception fraction of leafy vegetables	5	-0.04	5	-0.04	5	0.31	5	0.02
Humidity in air	13	0.01	13	0.01	16	0.01	16	0.00
Cover erosion rate	17	0.00	17	0.00	2	0.54	2	0.03
Kd of Pu-240 in Contaminated Zone	1	-0.20	1	-0.20	1	-1.00	1	-1.00
Kd of Pu-240 in Saturated Zone	6	-0.04	6	-0.04	11	-0.03	11	0.00
R-SQUARE		0.07		0.07		1.00		1.00

-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 BFM INSITU UA 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
Contaminated zone erosion rate	13	0.02	13	0.02	13	-0.03	13	0.00
Contaminated zone b parameter	12	0.02	12	0.02	10	-0.05	10	0.00
Evapotranspiration coefficient	9	0.03	10	0.03	8	0.10	8	0.01
Wind Speed	8	-0.03	8	-0.03	17	0.00	17	0.00
Runoff coefficient	11	0.03	11	0.02	16	0.00	16	0.00
b Parameter of Unsaturated zone 1	6	-0.04	6	-0.04	12	0.03	12	0.00
Mass loading for inhalation	7	0.04	7	0.04	11	0.05	11	0.00
Indoor dust filtration factor	3	0.11	3	0.11	14	-0.01	14	0.00
Depth of soil mixing layer	14	-0.02	14	-0.02	7	0.13	7	0.01
Depth of roots	4	0.08	4	0.07	4	0.40	4	0.02
Wet weight crop yield of fruit, grain and non-leafy vegetables	17	0.00	17	0.00	5	-0.27	5	-0.01
Weathering removal constant of all vegetation	5	0.04	5	0.04	3	-0.42	3	-0.02
Wet foliar interception fraction of leafy vegetables	16	0.00	16	0.00	6	0.24	6	0.01
Humidity in air	2	0.12	2	0.12	15	0.00	15	0.00
Cover erosion rate	10	-0.03	9	-0.03	2	0.50	2	0.03
Kd of Pu-240 in Contaminated Zone	1	-0.19	1	-0.18	1	-1.00	1	-1.00
Kd of Pu-240 in Saturated Zone	15	-0.01	15	-0.01	9	-0.06	9	0.00

R-SQUARE 0.07 0.07 1.00 1.00

-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 BFM INSITU UA 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	13	-0.01	13	-0.01	12	-0.03	12	0.00
Contaminated zone b parameter	4	0.06	4	0.06	10	-0.05	10	0.00
Evapotranspiration coefficient	8	-0.03	8	-0.03	9	0.07	9	0.00
Wind Speed	10	-0.03	10	-0.02	16	0.01	16	0.00
Runoff coefficient	2	0.12	2	0.12	11	-0.04	11	0.00
b Parameter of Unsaturated zone 1	17	0.00	17	0.00	17	0.00	17	0.00
Mass loading for inhalation	14	0.01	14	0.01	15	0.01	15	0.00
Indoor dust filtration factor	5	-0.05	5	-0.05	14	0.01	14	0.00
Depth of soil mixing layer	7	0.03	7	0.03	8	0.09	8	0.00
Depth of roots	11	0.02	11	0.02	4	0.43	4	0.03
Wet weight crop yield of fruit, grain and non-leafy vegetables	16	0.00	16	0.00	5	-0.25	5	-0.01
Weathering removal constant of all vegetation	6	-0.04	6	-0.04	3	-0.44	3	-0.03
Wet foliar interception fraction of leafy vegetables	9	0.03	9	0.03	6	0.24	6	0.01
Humidity in air	3	-0.08	3	-0.08	13	-0.03	13	0.00
Cover erosion rate	15	-0.01	15	-0.01	2	0.54	2	0.04
Kd of Pu-240 in Contaminated Zone	1	-0.24	1	-0.24	1	-1.00	1	-1.00
Kd of Pu-240 in Saturated Zone	12	-0.02	12	-0.02	7	-0.10	7	-0.01
R-SQUARE		0.08		0.08		1.00		1.00

-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.