

Probabilistic results summary : RESRAD Default Parameters

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Probabilistic Total Dose Summary

Nuclide (j)	Peak Time	Peak Dose	DOSE(j,t), mrem/yr								
			t= 0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03	
Pu-238											
Min	0.00E+00	1.67E-01	1.67E-01	1.66E-01	1.63E-01	1.55E-01	1.32E-01	0.00E+00	0.00E+00	0.00E+00	
Max	6.16E+01	4.04E+02	4.04E+02	3.96E+02	3.79E+02	3.28E+02	2.16E+02	5.01E+01	4.84E+00	6.78E-03	
Avg	2.13E-01	1.11E+01	1.11E+01	1.10E+01	1.08E+01	1.01E+01	8.27E+00	4.23E+00	6.94E-01	1.77E-03	
Std	2.38E+00	2.31E+01	2.31E+01	2.27E+01	2.20E+01	1.98E+01	1.48E+01	5.98E+00	7.24E-01	1.18E-03	
ALL											
Min	0.00E+00	1.67E-01	1.67E-01	1.66E-01	1.63E-01	1.55E-01	1.32E-01	0.00E+00	0.00E+00	0.00E+00	
Max	6.16E+01	4.04E+02	4.04E+02	3.96E+02	3.79E+02	3.28E+02	2.16E+02	5.01E+01	4.84E+00	6.78E-03	
Avg	2.13E-01	1.11E+01	1.11E+01	1.10E+01	1.08E+01	1.01E+01	8.27E+00	4.23E+00	6.94E-01	1.77E-03	
Std	2.38E+00	2.31E+01	2.31E+01	2.27E+01	2.20E+01	1.98E+01	1.48E+01	5.98E+00	7.24E-01	1.18E-03	

ALL is total dose summed for all nuclides.

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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-238									
Min		2.16E-07	2.15E-07	2.12E-07	2.00E-07	1.72E-07	0.00E+00	0.00E+00	0.00E+00
Max		5.14E-04	5.03E-04	4.83E-04	4.17E-04	2.75E-04	6.37E-05	6.07E-06	1.24E-08
Avg		1.42E-05	1.40E-05	1.38E-05	1.28E-05	1.06E-05	5.42E-06	8.97E-07	4.25E-09
Std		2.92E-05	2.88E-05	2.79E-05	2.51E-05	1.87E-05	7.57E-06	9.14E-07	1.88E-09
ALL									
Min		2.16E-07	2.15E-07	2.12E-07	2.00E-07	1.72E-07	0.00E+00	0.00E+00	0.00E+00
Max		5.14E-04	5.03E-04	4.83E-04	4.17E-04	2.75E-04	6.37E-05	6.07E-06	1.24E-08
Avg		1.42E-05	1.40E-05	1.38E-05	1.28E-05	1.06E-05	5.42E-06	8.97E-07	4.25E-09
Std		2.92E-05	2.88E-05	2.79E-05	2.51E-05	1.87E-05	7.57E-06	9.14E-07	1.88E-09

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
Pu-238								
Min	3.87E-17	3.89E-17	4.77E-17	3.15E-16	6.34E-15	0.00E+00	0.00E+00	0.00E+00
Max	1.89E-15	5.16E-13	3.84E-08	6.68E-05	5.71E-05	3.28E-05	6.95E-06	2.25E-06
Avg	4.79E-17	1.03E-15	4.28E-11	7.30E-07	1.47E-06	1.31E-06	1.49E-06	1.37E-06
Std	8.35E-17	1.74E-14	1.09E-09	6.77E-06	8.99E-06	6.31E-06	2.70E-06	9.12E-07
ALL								
Min	3.87E-17	3.89E-17	4.77E-17	3.15E-16	6.34E-15	0.00E+00	0.00E+00	0.00E+00
Max	1.89E-15	5.16E-13	3.84E-08	6.68E-05	5.71E-05	3.28E-05	6.95E-06	2.25E-06
Avg	4.79E-17	1.03E-15	4.28E-11	7.30E-07	1.47E-06	1.31E-06	1.49E-06	1.37E-06
Std	8.35E-17	1.74E-14	1.09E-09	6.77E-06	8.99E-06	6.31E-06	2.70E-06	9.12E-07

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
<hr/>								
Pu-238								
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	2.33E-03	1.04E-02	9.27E-03	5.23E-03	1.88E-03	9.17E-06
Avg	0.00E+00	0.00E+00	2.16E-06	5.51E-05	1.02E-04	8.81E-05	1.12E-04	1.14E-06
Std	0.00E+00	0.00E+00	6.25E-05	5.41E-04	6.74E-04	4.65E-04	2.14E-04	1.18E-06
<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	2.33E-03	1.04E-02	9.27E-03	5.23E-03	1.88E-03	9.17E-06
Avg	0.00E+00	0.00E+00	2.16E-06	5.51E-05	1.02E-04	8.81E-05	1.12E-04	1.14E-06
Std	0.00E+00	0.00E+00	6.25E-05	5.41E-04	6.74E-04	4.65E-04	2.14E-04	1.18E-06
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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							
	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-238								
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.

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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
Pu-238								
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	6.09E-01	6.32E-01	6.80E-01	7.20E-01	6.15E-01	3.53E-01	7.28E-02	3.18E-04
Avg	3.64E-01	3.62E-01	3.60E-01	3.48E-01	3.07E-01	1.92E-01	4.78E-02	1.99E-04
Std	2.13E-01	2.11E-01	2.08E-01	2.00E-01	1.72E-01	9.79E-02	2.05E-02	9.51E-05
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	6.09E-01	6.32E-01	6.80E-01	7.20E-01	6.15E-01	3.53E-01	7.28E-02	3.18E-04
Avg	3.64E-01	3.62E-01	3.60E-01	3.48E-01	3.07E-01	1.92E-01	4.78E-02	1.99E-04
Std	2.13E-01	2.11E-01	2.08E-01	2.00E-01	1.72E-01	9.79E-02	2.05E-02	9.51E-05

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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
<hr/>								
Pu-238								
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	7.62E-04	7.91E-04	3.74E-03	1.37E-02	1.17E-02	6.72E-03	1.38E-03	6.81E-06
Avg	4.58E-04	4.56E-04	4.57E-04	6.02E-04	6.89E-04	5.04E-04	3.98E-04	3.78E-06
Std	2.68E-04	2.66E-04	2.86E-04	1.46E-03	1.83E-03	1.26E-03	5.31E-04	2.53E-06
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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	7.62E-04	7.91E-04	3.74E-03	1.37E-02	1.17E-02	6.72E-03	1.38E-03	6.81E-06
Avg	4.58E-04	4.56E-04	4.57E-04	6.02E-04	6.89E-04	5.04E-04	3.98E-04	3.78E-06
Std	2.68E-04	2.66E-04	2.86E-04	1.46E-03	1.83E-03	1.26E-03	5.31E-04	2.53E-06
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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-238								
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	7.78E-05	8.07E-05	2.25E-04	6.51E-04	5.57E-04	3.25E-04	7.42E-05	8.43E-06
Avg	4.66E-05	4.64E-05	4.63E-05	5.19E-05	5.28E-05	3.68E-05	2.38E-05	4.86E-06
Std	2.73E-05	2.71E-05	2.74E-05	7.08E-05	8.60E-05	5.93E-05	2.72E-05	2.76E-06
ALL								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	7.78E-05	8.07E-05	2.25E-04	6.51E-04	5.57E-04	3.25E-04	7.42E-05	8.43E-06
Avg	4.66E-05	4.64E-05	4.63E-05	5.19E-05	5.28E-05	3.68E-05	2.38E-05	4.86E-06
Std	2.73E-05	2.71E-05	2.74E-05	7.08E-05	8.60E-05	5.93E-05	2.72E-05	2.76E-06

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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-238								
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	1.06E-02	4.20E-02	3.59E-02	2.06E-02	4.25E-03	1.79E-05
Avg	0.00E+00	0.00E+00	1.59E-05	5.43E-04	9.95E-04	8.62E-04	1.11E-03	9.72E-06
Std	0.00E+00	0.00E+00	3.78E-04	4.59E-03	5.76E-03	4.00E-03	1.69E-03	6.98E-06
<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	1.06E-02	4.20E-02	3.59E-02	2.06E-02	4.25E-03	1.79E-05
Avg	0.00E+00	0.00E+00	1.59E-05	5.43E-04	9.95E-04	8.62E-04	1.11E-03	9.72E-06
Std	0.00E+00	0.00E+00	3.78E-04	4.59E-03	5.76E-03	4.00E-03	1.69E-03	6.98E-06
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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-238								
Min	2.46E-02	2.44E-02	2.40E-02	2.27E-02	1.95E-02	0.00E+00	0.00E+00	0.00E+00
Max	3.69E+02	3.62E+02	3.47E+02	3.00E+02	1.97E+02	4.58E+01	4.56E+00	5.82E-03
Avg	9.86E+00	9.76E+00	9.57E+00	8.91E+00	7.29E+00	3.70E+00	5.90E-01	1.41E-03
Std	2.13E+01	2.10E+01	2.03E+01	1.83E+01	1.36E+01	5.49E+00	6.68E-01	1.09E-03
<hr/>								
ALL								
Min	2.46E-02	2.44E-02	2.40E-02	2.27E-02	1.95E-02	0.00E+00	0.00E+00	0.00E+00
Max	3.69E+02	3.62E+02	3.47E+02	3.00E+02	1.97E+02	4.58E+01	4.56E+00	5.82E-03
Avg	9.86E+00	9.76E+00	9.57E+00	8.91E+00	7.29E+00	3.70E+00	5.90E-01	1.41E-03
Std	2.13E+01	2.10E+01	2.03E+01	1.83E+01	1.36E+01	5.49E+00	6.68E-01	1.09E-03
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Probabilistic Dose vs Pathway(i): Fish 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-238								
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): 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-238								
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.

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-238.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-238								
Min	1.40E-03	1.39E-03	1.37E-03	1.29E-03	1.11E-03	0.00E+00	0.00E+00	0.00E+00
Max	3.40E+01	3.33E+01	3.19E+01	2.76E+01	1.82E+01	8.22E+00	8.88E-01	1.68E-03
Avg	8.82E-01	8.73E-01	8.56E-01	7.99E-01	6.56E-01	3.36E-01	5.38E-02	1.30E-04
Std	2.01E+00	1.98E+00	1.93E+00	1.76E+00	1.36E+00	6.02E-01	7.78E-02	1.46E-04
ALL								
Min	1.40E-03	1.39E-03	1.37E-03	1.29E-03	1.11E-03	0.00E+00	0.00E+00	0.00E+00
Max	3.40E+01	3.33E+01	3.19E+01	2.76E+01	1.82E+01	8.22E+00	8.88E-01	1.68E-03
Avg	8.82E-01	8.73E-01	8.56E-01	7.99E-01	6.56E-01	3.36E-01	5.38E-02	1.30E-04
Std	2.01E+00	1.98E+00	1.93E+00	1.76E+00	1.36E+00	6.02E-01	7.78E-02	1.46E-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-238.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
<hr/>								
Pu-238								
Min	2.74E-05	2.72E-05	2.68E-05	2.54E-05	2.19E-05	0.00E+00	0.00E+00	0.00E+00
Max	3.50E-01	3.43E-01	3.29E-01	2.84E-01	1.87E-01	4.65E-02	5.54E-03	8.02E-06
Avg	1.01E-02	1.00E-02	9.80E-03	9.14E-03	7.49E-03	3.81E-03	6.09E-04	2.01E-06
Std	2.12E-02	2.09E-02	2.03E-02	1.83E-02	1.38E-02	5.75E-03	7.02E-04	1.26E-06
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ALL								
Min	2.74E-05	2.72E-05	2.68E-05	2.54E-05	2.19E-05	0.00E+00	0.00E+00	0.00E+00
Max	3.50E-01	3.43E-01	3.29E-01	2.84E-01	1.87E-01	4.65E-02	5.54E-03	8.02E-06
Avg	1.01E-02	1.00E-02	9.80E-03	9.14E-03	7.49E-03	3.81E-03	6.09E-04	2.01E-06
Std	2.12E-02	2.09E-02	2.03E-02	1.83E-02	1.38E-02	5.75E-03	7.02E-04	1.26E-06
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ALL is total pathway dose summed for all nuclides.

Probabilistic results summary : RESRAD Default Parameters

File : C:\USERS\DNF\DOCUMENTS\FT CALHOUN\RESRAD INPUT FILES\BFM INSITU UNCERTAINTY ANALYSIS\FCS BFM INSITU UA PU-238.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-238								
Min	2.03E-06	2.14E-06	2.34E-06	3.04E-06	4.80E-06	0.00E+00	0.00E+00	0.00E+00
Max	2.35E-02	2.30E-02	2.21E-02	1.91E-02	1.26E-02	3.48E-03	4.26E-04	1.51E-05
Avg	7.05E-04	6.98E-04	6.84E-04	6.39E-04	5.26E-04	2.73E-04	5.30E-05	6.85E-06
Std	1.47E-03	1.45E-03	1.41E-03	1.27E-03	9.70E-04	4.09E-04	5.02E-05	2.88E-06
ALL								
Min	2.03E-06	2.14E-06	2.34E-06	3.04E-06	4.80E-06	0.00E+00	0.00E+00	0.00E+00
Max	2.35E-02	2.30E-02	2.21E-02	1.91E-02	1.26E-02	3.48E-03	4.26E-04	1.51E-05
Avg	7.05E-04	6.98E-04	6.84E-04	6.39E-04	5.26E-04	2.73E-04	5.30E-05	6.85E-06
Std	1.47E-03	1.45E-03	1.41E-03	1.27E-03	9.70E-04	4.09E-04	5.02E-05	2.88E-06

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-238.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	6.07E-01	6.02E-01	5.93E-01	5.61E-01	4.88E-01	2.94E-01	6.31E-02	0.00E+00
0.050	7.80E-01	7.74E-01	7.67E-01	7.32E-01	6.31E-01	3.73E-01	8.58E-02	3.07E-04
0.075	9.15E-01	9.08E-01	8.93E-01	8.50E-01	7.35E-01	4.48E-01	9.99E-02	5.32E-04
0.100	1.04E+00	1.03E+00	1.02E+00	9.69E-01	8.34E-01	4.96E-01	1.14E-01	6.03E-04
0.125	1.18E+00	1.17E+00	1.16E+00	1.10E+00	9.53E-01	5.77E-01	1.27E-01	6.62E-04
0.150	1.37E+00	1.36E+00	1.34E+00	1.27E+00	1.09E+00	6.48E-01	1.42E-01	7.07E-04
0.175	1.53E+00	1.52E+00	1.50E+00	1.42E+00	1.22E+00	7.14E-01	1.57E-01	7.51E-04
0.200	1.65E+00	1.64E+00	1.62E+00	1.54E+00	1.32E+00	7.87E-01	1.70E-01	7.99E-04
0.225	1.85E+00	1.83E+00	1.81E+00	1.73E+00	1.47E+00	8.67E-01	1.88E-01	8.41E-04
0.250	2.02E+00	2.01E+00	1.98E+00	1.88E+00	1.62E+00	9.57E-01	2.03E-01	8.91E-04
0.275	2.22E+00	2.21E+00	2.18E+00	2.07E+00	1.77E+00	1.03E+00	2.19E-01	9.44E-04
0.300	2.36E+00	2.34E+00	2.32E+00	2.20E+00	1.88E+00	1.09E+00	2.31E-01	9.97E-04
0.325	2.54E+00	2.52E+00	2.48E+00	2.37E+00	2.04E+00	1.17E+00	2.48E-01	1.04E-03
0.350	2.77E+00	2.75E+00	2.71E+00	2.57E+00	2.21E+00	1.28E+00	2.72E-01	1.09E-03
0.375	3.01E+00	2.99E+00	2.94E+00	2.79E+00	2.40E+00	1.39E+00	2.90E-01	1.13E-03
0.400	3.28E+00	3.25E+00	3.20E+00	3.05E+00	2.61E+00	1.52E+00	3.10E-01	1.18E-03
0.425	3.55E+00	3.52E+00	3.47E+00	3.29E+00	2.81E+00	1.63E+00	3.33E-01	1.24E-03
0.450	3.87E+00	3.84E+00	3.78E+00	3.59E+00	3.08E+00	1.77E+00	3.62E-01	1.30E-03
0.475	4.17E+00	4.14E+00	4.07E+00	3.86E+00	3.30E+00	1.91E+00	3.90E-01	1.38E-03
0.500	4.54E+00	4.50E+00	4.43E+00	4.19E+00	3.57E+00	2.05E+00	4.20E-01	1.46E-03
0.525	4.87E+00	4.84E+00	4.77E+00	4.51E+00	3.86E+00	2.23E+00	4.55E-01	1.54E-03
0.550	5.34E+00	5.30E+00	5.23E+00	4.94E+00	4.22E+00	2.42E+00	4.88E-01	1.61E-03
0.575	5.75E+00	5.71E+00	5.61E+00	5.35E+00	4.55E+00	2.60E+00	5.23E-01	1.69E-03
0.600	6.32E+00	6.27E+00	6.18E+00	5.85E+00	4.98E+00	2.83E+00	5.65E-01	1.79E-03
0.625	6.83E+00	6.78E+00	6.67E+00	6.30E+00	5.38E+00	3.05E+00	6.11E-01	1.87E-03
0.650	7.42E+00	7.39E+00	7.30E+00	6.90E+00	5.87E+00	3.36E+00	6.66E-01	1.99E-03
0.675	8.26E+00	8.19E+00	8.06E+00	7.64E+00	6.49E+00	3.67E+00	7.19E-01	2.08E-03
0.700	9.12E+00	9.05E+00	8.91E+00	8.42E+00	7.16E+00	4.03E+00	7.77E-01	2.19E-03
0.725	9.91E+00	9.83E+00	9.67E+00	9.14E+00	7.77E+00	4.38E+00	8.33E-01	2.33E-03
0.750	1.12E+01	1.11E+01	1.09E+01	1.02E+01	8.67E+00	4.83E+00	9.14E-01	2.46E-03
0.775	1.22E+01	1.21E+01	1.19E+01	1.12E+01	9.50E+00	5.34E+00	9.88E-01	2.59E-03
0.800	1.37E+01	1.35E+01	1.33E+01	1.26E+01	1.06E+01	5.87E+00	1.09E+00	2.71E-03
0.825	1.56E+01	1.54E+01	1.52E+01	1.43E+01	1.20E+01	6.60E+00	1.19E+00	2.85E-03
0.850	1.82E+01	1.81E+01	1.78E+01	1.67E+01	1.41E+01	7.74E+00	1.37E+00	3.07E-03
0.875	2.07E+01	2.06E+01	2.02E+01	1.90E+01	1.60E+01	8.79E+00	1.54E+00	3.24E-03
0.900	2.48E+01	2.46E+01	2.42E+01	2.28E+01	1.92E+01	1.04E+01	1.71E+00	3.47E-03
0.925	3.09E+01	3.07E+01	3.02E+01	2.84E+01	2.36E+01	1.26E+01	1.96E+00	3.72E-03
0.950	4.09E+01	4.06E+01	3.98E+01	3.74E+01	3.10E+01	1.60E+01	2.34E+00	4.12E-03
0.975	6.39E+01	6.32E+01	6.20E+01	5.74E+01	4.59E+01	2.22E+01	2.74E+00	4.66E-03
1.000	4.04E+02	3.96E+02	3.79E+02	3.28E+02	2.16E+02	5.01E+01	4.84E+00	6.78E-03

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-238.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	2.58E-01	2.18E+02	1.09E+01	4.55E+00	2.49E+01	4.09E+01	6.50E+01	1.14E+02
1.00E+00	2.57E-01	2.14E+02	1.08E+01	4.51E+00	2.47E+01	4.05E+01	6.43E+01	1.13E+02
1.06E+00	2.57E-01	2.14E+02	1.07E+01	4.51E+00	2.47E+01	4.05E+01	6.42E+01	1.13E+02
1.12E+00	2.57E-01	2.14E+02	1.07E+01	4.50E+00	2.47E+01	4.05E+01	6.42E+01	1.13E+02
1.19E+00	2.57E-01	2.14E+02	1.07E+01	4.50E+00	2.47E+01	4.05E+01	6.41E+01	1.12E+02
1.25E+00	2.57E-01	2.13E+02	1.07E+01	4.50E+00	2.47E+01	4.04E+01	6.41E+01	1.12E+02
1.33E+00	2.57E-01	2.13E+02	1.07E+01	4.50E+00	2.46E+01	4.04E+01	6.40E+01	1.12E+02
1.40E+00	2.57E-01	2.13E+02	1.07E+01	4.49E+00	2.46E+01	4.04E+01	6.40E+01	1.12E+02
1.49E+00	2.56E-01	2.13E+02	1.07E+01	4.49E+00	2.46E+01	4.04E+01	6.39E+01	1.12E+02
1.57E+00	2.56E-01	2.12E+02	1.07E+01	4.49E+00	2.46E+01	4.03E+01	6.39E+01	1.12E+02
1.66E+00	2.56E-01	2.12E+02	1.07E+01	4.49E+00	2.46E+01	4.03E+01	6.38E+01	1.12E+02
1.76E+00	2.56E-01	2.12E+02	1.07E+01	4.48E+00	2.45E+01	4.03E+01	6.38E+01	1.12E+02
1.86E+00	2.56E-01	2.11E+02	1.07E+01	4.48E+00	2.45E+01	4.02E+01	6.37E+01	1.12E+02
1.97E+00	2.56E-01	2.11E+02	1.07E+01	4.47E+00	2.45E+01	4.02E+01	6.36E+01	1.11E+02
2.09E+00	2.56E-01	2.11E+02	1.06E+01	4.47E+00	2.45E+01	4.01E+01	6.35E+01	1.11E+02
2.21E+00	2.56E-01	2.10E+02	1.06E+01	4.47E+00	2.44E+01	4.01E+01	6.35E+01	1.11E+02
2.24E+00	2.56E-01	2.10E+02	1.06E+01	4.46E+00	2.44E+01	4.00E+01	6.34E+01	1.11E+02
2.27E+00	2.55E-01	2.09E+02	1.06E+01	4.46E+00	2.44E+01	4.00E+01	6.33E+01	1.11E+02
2.29E+00	2.55E-01	2.09E+02	1.06E+01	4.45E+00	2.44E+01	3.99E+01	6.32E+01	1.11E+02
2.31E+00	2.55E-01	2.09E+02	1.06E+01	4.45E+00	2.44E+01	3.99E+01	6.31E+01	1.11E+02
2.33E+00	2.55E-01	2.08E+02	1.06E+01	4.44E+00	2.43E+01	3.98E+01	6.30E+01	1.10E+02
2.35E+00	2.55E-01	2.08E+02	1.06E+01	4.44E+00	2.43E+01	3.98E+01	6.29E+01	1.10E+02
2.37E+00	2.55E-01	2.07E+02	1.05E+01	4.43E+00	2.42E+01	3.98E+01	6.29E+01	1.10E+02
2.39E+00	2.55E-01	2.07E+02	1.05E+01	4.43E+00	2.42E+01	3.97E+01	6.27E+01	1.10E+02
2.41E+00	2.54E-01	2.06E+02	1.05E+01	4.42E+00	2.42E+01	3.96E+01	6.26E+01	1.10E+02
2.43E+00	2.54E-01	2.05E+02	1.05E+01	4.41E+00	2.41E+01	3.96E+01	6.25E+01	1.09E+02
2.45E+00	2.54E-01	2.05E+02	1.05E+01	4.41E+00	2.41E+01	3.95E+01	6.23E+01	1.09E+02
2.47E+00	2.54E-01	2.04E+02	1.04E+01	4.40E+00	2.40E+01	3.94E+01	6.22E+01	1.09E+02
2.49E+00	2.53E-01	2.03E+02	1.04E+01	4.39E+00	2.40E+01	3.93E+01	6.20E+01	1.09E+02
2.51E+00	2.53E-01	2.02E+02	1.04E+01	4.38E+00	2.39E+01	3.92E+01	6.19E+01	1.08E+02
2.53E+00	2.53E-01	2.02E+02	1.04E+01	4.37E+00	2.39E+01	3.91E+01	6.17E+01	1.08E+02
2.55E+00	2.53E-01	2.01E+02	1.03E+01	4.36E+00	2.38E+01	3.90E+01	6.15E+01	1.08E+02
2.57E+00	2.52E-01	2.00E+02	1.03E+01	4.35E+00	2.37E+01	3.89E+01	6.13E+01	1.07E+02
2.59E+00	2.52E-01	1.99E+02	1.03E+01	4.34E+00	2.37E+01	3.88E+01	6.11E+01	1.07E+02
2.61E+00	2.52E-01	1.98E+02	1.02E+01	4.33E+00	2.36E+01	3.87E+01	6.09E+01	1.06E+02
2.63E+00	2.51E-01	1.97E+02	1.02E+01	4.32E+00	2.35E+01	3.86E+01	6.07E+01	1.06E+02
2.65E+00	2.51E-01	1.95E+02	1.02E+01	4.30E+00	2.34E+01	3.84E+01	6.04E+01	1.06E+02
2.67E+00	2.50E-01	1.94E+02	1.01E+01	4.29E+00	2.33E+01	3.83E+01	6.02E+01	1.05E+02
2.69E+00	2.50E-01	1.93E+02	1.01E+01	4.28E+00	2.33E+01	3.81E+01	5.99E+01	1.05E+02
2.71E+00	2.49E-01	1.92E+02	1.00E+01	4.26E+00	2.32E+01	3.80E+01	5.96E+01	1.04E+02
2.73E+00	2.49E-01	1.90E+02	1.00E+01	4.24E+00	2.31E+01	3.78E+01	5.93E+01	1.04E+02
2.75E+00	2.48E-01	1.89E+02	9.95E+00	4.23E+00	2.30E+01	3.76E+01	5.90E+01	1.03E+02
2.77E+00	2.48E-01	1.87E+02	9.90E+00	4.21E+00	2.29E+01	3.75E+01	5.87E+01	1.02E+02
2.79E+00	2.47E-01	1.86E+02	9.86E+00	4.20E+00	2.28E+01	3.73E+01	5.84E+01	1.02E+02
2.81E+00	2.47E-01	1.85E+02	9.85E+00	4.19E+00	2.28E+01	3.73E+01	5.83E+01	1.02E+02
2.83E+00	2.47E-01	1.84E+02	9.79E+00	4.17E+00	2.26E+01	3.71E+01	5.80E+01	1.01E+02
2.85E+00	2.46E-01	1.82E+02	9.73E+00	4.15E+00	2.25E+01	3.69E+01	5.76E+01	1.00E+02
2.87E+00	2.45E-01	1.80E+02	9.67E+00	4.13E+00	2.24E+01	3.66E+01	5.72E+01	9.96E+01
2.89E+00	2.44E-01	1.78E+02	9.60E+00	4.11E+00	2.23E+01	3.64E+01	5.67E+01	9.89E+01
2.91E+00	2.43E-01	1.76E+02	9.53E+00	4.08E+00	2.21E+01	3.61E+01	5.63E+01	9.80E+01
2.93E+00	2.41E-01	1.74E+02	9.46E+00	4.06E+00	2.20E+01	3.59E+01	5.58E+01	9.72E+01
2.95E+00	2.40E-01	1.72E+02	9.39E+00	4.03E+00	2.18E+01	3.56E+01	5.53E+01	9.63E+01
2.97E+00	2.38E-01	1.69E+02	9.31E+00	4.00E+00	2.16E+01	3.53E+01	5.48E+01	9.53E+01
2.99E+00	2.36E-01	1.67E+02	9.22E+00	3.97E+00	2.15E+01	3.50E+01	5.42E+01	9.44E+01
3.01E+00	2.35E-01	1.64E+02	9.14E+00	3.94E+00	2.13E+01	3.46E+01	5.36E+01	9.33E+01
3.03E+00	2.33E-01	1.62E+02	9.04E+00	3.91E+00	2.11E+01	3.43E+01	5.30E+01	9.22E+01

2.01E+01 2.31E-01 1.59E+02 8.95E+00 3.87E+00 2.09E+01 3.40E+01 5.23E+01 9.11E+01

2.13E+01 2.29E-01 1.56E+02 8.85E+00 3.84E+00 2.07E+01 3.36E+01 5.17E+01 8.99E+01

2.25E+01 2.26E-01 1.53E+02 8.74E+00 3.80E+00 2.05E+01 3.32E+01 5.09E+01 8.87E+01

2.38E+01 2.24E-01 1.50E+02 8.63E+00 3.76E+00 2.02E+01 3.28E+01 5.02E+01 8.74E+01

2.52E+01 2.22E-01 1.47E+02 8.52E+00 3.72E+00 2.00E+01 3.24E+01 4.94E+01 8.61E+01

2.67E+01 2.19E-01 1.43E+02 8.40E+00 3.68E+00 1.97E+01 3.19E+01 4.86E+01 8.47E+01

2.82E+01 2.16E-01 1.40E+02 8.28E+00 3.63E+00 1.95E+01 3.14E+01 4.78E+01 8.32E+01

2.99E+01 2.14E-01 1.36E+02 8.15E+00 3.59E+00 1.92E+01 3.10E+01 4.69E+01 8.17E+01

3.00E+01 2.13E-01 1.36E+02 8.14E+00 3.58E+00 1.92E+01 3.09E+01 4.69E+01 8.16E+01

3.16E+01 2.11E-01 1.33E+02 8.01E+00 3.54E+00 1.89E+01 3.05E+01 4.60E+01 7.99E+01

3.35E+01 2.08E-01 1.29E+02 7.87E+00 3.49E+00 1.86E+01 2.99E+01 4.51E+01 7.78E+01

3.54E+01 2.04E-01 1.25E+02 7.73E+00 3.43E+00 1.83E+01 2.94E+01 4.41E+01 7.57E+01

3.75E+01 2.01E-01 1.21E+02 7.58E+00 3.38E+00 1.80E+01 2.88E+01 4.31E+01 7.36E+01

3.97E+01 1.98E-01 1.17E+02 7.42E+00 3.32E+00 1.77E+01 2.82E+01 4.21E+01 7.14E+01

4.20E+01 1.94E-01 1.13E+02 7.26E+00 3.26E+00 1.73E+01 2.76E+01 4.10E+01 6.91E+01

4.44E+01 1.90E-01 1.08E+02 7.09E+00 3.20E+00 1.70E+01 2.70E+01 3.99E+01 6.68E+01

4.70E+01 1.87E-01 1.04E+02 6.92E+00 3.13E+00 1.66E+01 2.63E+01 3.88E+01 6.44E+01

4.97E+01 1.83E-01 9.97E+01 6.74E+00 3.06E+00 1.62E+01 2.57E+01 3.76E+01 6.20E+01

5.26E+01 1.78E-01 9.53E+01 6.56E+00 3.00E+00 1.58E+01 2.50E+01 3.65E+01 5.95E+01

5.57E+01 1.74E-01 9.08E+01 6.37E+00 2.92E+00 1.54E+01 2.43E+01 3.53E+01 5.70E+01

5.90E+01 1.70E-01 8.63E+01 6.18E+00 2.85E+00 1.50E+01 2.35E+01 3.41E+01 5.45E+01

6.24E+01 1.65E-01 8.18E+01 5.98E+00 2.77E+00 1.45E+01 2.28E+01 3.29E+01 5.20E+01

6.60E+01 1.61E-01 7.73E+01 5.78E+00 2.69E+00 1.41E+01 2.20E+01 3.16E+01 4.94E+01

99E+01 1.56E-01 7.27E+01 5.57E+00 2.62E+00 1.36E+01 2.12E+01 3.04E+01 4.68E+01

7.39E+01 1.51E-01 6.82E+01 5.36E+00 2.54E+00 1.32E+01 2.04E+01 2.91E+01 4.42E+01

7.82E+01 1.46E-01 6.38E+01 5.15E+00 2.46E+00 1.27E+01 1.96E+01 2.78E+01 4.16E+01

8.28E+01 1.41E-01 5.94E+01 4.94E+00 2.37E+00 1.22E+01 1.88E+01 2.65E+01 3.91E+01

8.76E+01 1.35E-01 5.51E+01 4.72E+00 2.28E+00 1.17E+01 1.80E+01 2.52E+01 3.64E+01

9.27E+01 1.30E-01 5.08E+01 4.50E+00 2.19E+00 1.11E+01 1.71E+01 2.39E+01 3.33E+01

9.81E+01 1.25E-01 4.67E+01 4.28E+00 2.10E+00 1.06E+01 1.63E+01 2.25E+01 3.03E+01

1.00E+02 1.23E-01 4.53E+01 4.20E+00 2.07E+00 1.05E+01 1.60E+01 2.21E+01 2.94E+01

1.04E+02 1.19E-01 4.27E+01 4.06E+00 2.01E+00 1.01E+01 1.54E+01 2.12E+01 2.78E+01

1.10E+02 1.18E-01 3.88E+01 3.84E+00 1.92E+00 9.58E+00 1.46E+01 1.99E+01 2.62E+01

1.16E+02 1.16E-01 3.51E+01 3.62E+00 1.82E+00 9.05E+00 1.37E+01 1.87E+01 2.45E+01

1.23E+02 1.10E-01 3.16E+01 3.40E+00 1.73E+00 8.53E+00 1.28E+01 1.75E+01 2.23E+01

1.30E+02 1.04E-01 2.82E+01 3.18E+00 1.63E+00 8.01E+00 1.20E+01 1.62E+01 2.01E+01

1.38E+02 9.80E-02 2.51E+01 2.97E+00 1.54E+00 7.49E+00 1.12E+01 1.51E+01 1.81E+01

1.46E+02 9.20E-02 2.25E+01 2.76E+00 1.44E+00 6.98E+00 1.04E+01 1.36E+01 1.62E+01

1.54E+02 8.61E-02 2.05E+01 2.55E+00 1.35E+00 6.48E+00 9.55E+00 1.24E+01 1.45E+01

1.63E+02 8.02E-02 1.86E+01 2.35E+00 1.25E+00 5.98E+00 8.77E+00 1.13E+01 1.31E+01

1.73E+02 7.44E-02 1.67E+01 2.16E+00 1.16E+00 5.51E+00 8.01E+00 1.02E+01 1.19E+01

1.83E+02 6.87E-02 1.49E+01 1.97E+00 1.07E+00 5.06E+00 6.99E+00 9.19E+00 1.08E+01

1.94E+02 6.32E-02 1.33E+01 1.79E+00 9.86E-01 4.62E+00 6.34E+00 8.10E+00 9.68E+00

2.05E+02 5.79E-02 1.17E+01 1.62E+00 9.02E-01 4.15E+00 5.75E+00 7.04E+00 8.66E+00

2.17E+02 5.27E-02 1.02E+01 1.45E+00 8.22E-01 3.73E+00 5.19E+00 6.12E+00 7.26E+00

2.29E+02 4.77E-02 8.91E+00 1.30E+00 7.44E-01 3.23E+00 4.65E+00 5.32E+00 6.33E+00

2.43E+02 4.30E-02 7.68E+00 1.15E+00 6.68E-01 2.87E+00 4.13E+00 4.65E+00 5.49E+00

2.57E+02 3.85E-02 6.56E+00 1.01E+00 5.96E-01 2.54E+00 3.52E+00 3.96E+00 4.72E+00

2.72E+02 0.00E+00 5.56E+00 8.85E-01 5.28E-01 2.23E+00 3.05E+00 3.43E+00 4.05E+00

2.88E+02 0.00E+00 4.66E+00 7.68E-01 4.64E-01 1.94E+00 2.56E+00 2.96E+00 3.46E+00

3.00E+02 0.00E+00 4.07E+00 6.88E-01 4.20E-01 1.75E+00 2.25E+00 2.65E+00 3.07E+00

3.05E+02 0.00E+00 3.87E+00 6.61E-01 4.05E-01 1.68E+00 2.16E+00 2.54E+00 2.94E+00

3.22E+02 0.00E+00 3.19E+00 5.65E-01 3.52E-01 1.40E+00 1.85E+00 2.16E+00 2.40E+00

3.41E+02 0.00E+00 2.60E+00 4.78E-01 3.02E-01 1.16E+00 1.55E+00 1.79E+00 1.93E+00

3.61E+02 0.00E+00 2.10E+00 4.01E-01 2.58E-01 9.82E-01 1.25E+00 1.48E+00 1.58E+00

3.82E+02 0.00E+00 1.67E+00 3.33E-01 2.16E-01 8.16E-01 1.01E+00 1.22E+00 1.30E+00

4.04E+02 0.00E+00 1.31E+00 2.74E-01 1.76E-01 6.70E-01 8.23E-01 9.91E-01 1.07E+00

4.28E+02 0.00E+00 1.01E+00 2.22E-01 1.45E-01 5.37E-01 6.53E-01 7.82E-01 8.69E-01

4.53E+02 0.00E+00 7.69E-01 1.79E-01 1.19E-01 4.32E-01 5.21E-01 6.08E-01 6.85E-01

4.79E+02 0.00E+00 5.76E-01 1.42E-01 9.66E-02 3.37E-01 4.04E-01 4.70E-01 5.42E-01

5.07E+02 0.00E+00 4.37E-01 1.11E-01 7.65E-02 2.63E-01 3.13E-01 3.62E-01 4.22E-01

5.36E+02 0.00E+00 3.31E-01 8.56E-02 6.05E-02 1.97E-01 2.36E-01 2.80E-01 3.24E-01

5.68E+02 0.00E+00 2.53E-01 6.51E-02 4.65E-02 1.48E-01 1.76E-01 2.13E-01 2.46E-01

0.01E+02 0.00E+00 1.86E-01 4.88E-02 3.52E-02 1.11E-01 1.32E-01 1.55E-01 1.73E-01

6.36E+02 0.00E+00 1.37E-01 3.60E-02 2.64E-02 7.90E-02 9.69E-02 1.09E-01 1.24E-01

6.73E+02 0.00E+00 1.00E-01 2.61E-02 1.94E-02 5.66E-02 6.76E-02 7.86E-02 8.84E-02

7.12E+02 0.00E+00 7.16E-02 1.85E-02 1.38E-02 4.05E-02 4.83E-02 5.52E-02 6.29E-02

7.53E+02 0.00E+00 5.03E-02 1.30E-02 9.89E-03 2.69E-02 3.36E-02 3.84E-02 4.40E-02

7.97E+02 0.00E+00 3.46E-02 8.95E-03 6.89E-03 1.85E-02 2.30E-02 2.60E-02 3.04E-02

8.44E+02 0.00E+00 2.34E-02 6.03E-03 4.67E-03 1.24E-02 1.53E-02 1.71E-02 2.03E-02

93E+02 0.00E+00 1.55E-02 4.03E-03 3.16E-03 8.14E-03 1.00E-02 1.13E-02 1.34E-02

9.45E+02 0.00E+00 1.00E-02 2.66E-03 2.13E-03 5.37E-03 6.62E-03 7.38E-03 8.64E-03

1.00E+03 0.00E+00 6.42E-03 1.75E-03 1.41E-03 3.45E-03 4.26E-03 4.65E-03 5.49E-03

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-238.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	2.06E-01	4.04E+02	1.13E+01	4.43E+00	2.48E+01	4.13E+01	6.49E+01	1.03E+02
1.00E+00	2.05E-01	3.96E+02	1.12E+01	4.40E+00	2.46E+01	4.09E+01	6.42E+01	1.02E+02
1.06E+00	2.05E-01	3.95E+02	1.12E+01	4.40E+00	2.46E+01	4.09E+01	6.42E+01	1.02E+02
1.12E+00	2.05E-01	3.95E+02	1.12E+01	4.39E+00	2.46E+01	4.08E+01	6.41E+01	1.02E+02
1.19E+00	2.05E-01	3.94E+02	1.12E+01	4.39E+00	2.46E+01	4.08E+01	6.41E+01	1.02E+02
1.25E+00	2.05E-01	3.94E+02	1.11E+01	4.39E+00	2.46E+01	4.08E+01	6.40E+01	1.01E+02
1.33E+00	2.05E-01	3.93E+02	1.11E+01	4.39E+00	2.46E+01	4.08E+01	6.40E+01	1.01E+02
1.40E+00	2.05E-01	3.92E+02	1.11E+01	4.38E+00	2.45E+01	4.07E+01	6.39E+01	1.01E+02
1.49E+00	2.05E-01	3.92E+02	1.11E+01	4.38E+00	2.45E+01	4.07E+01	6.39E+01	1.01E+02
1.57E+00	2.05E-01	3.91E+02	1.11E+01	4.38E+00	2.45E+01	4.07E+01	6.38E+01	1.01E+02
1.66E+00	2.05E-01	3.90E+02	1.11E+01	4.38E+00	2.45E+01	4.06E+01	6.38E+01	1.01E+02
1.76E+00	2.05E-01	3.89E+02	1.11E+01	4.37E+00	2.45E+01	4.06E+01	6.37E+01	1.01E+02
1.86E+00	2.05E-01	3.89E+02	1.11E+01	4.37E+00	2.45E+01	4.06E+01	6.36E+01	1.01E+02
1.97E+00	2.05E-01	3.88E+02	1.11E+01	4.36E+00	2.44E+01	4.05E+01	6.36E+01	1.01E+02
2.09E+00	2.04E-01	3.87E+02	1.11E+01	4.36E+00	2.44E+01	4.05E+01	6.35E+01	1.01E+02
2.21E+00	2.04E-01	3.86E+02	1.10E+01	4.36E+00	2.44E+01	4.04E+01	6.34E+01	1.00E+02
2.24E+00	2.04E-01	3.85E+02	1.10E+01	4.35E+00	2.44E+01	4.04E+01	6.33E+01	1.00E+02
2.27E+00	2.04E-01	3.84E+02	1.10E+01	4.35E+00	2.43E+01	4.03E+01	6.32E+01	1.00E+02
2.26E+00	2.04E-01	3.83E+02	1.10E+01	4.34E+00	2.43E+01	4.03E+01	6.31E+01	9.99E+01
2.27E+00	2.04E-01	3.81E+02	1.10E+01	4.34E+00	2.43E+01	4.02E+01	6.30E+01	9.98E+01
2.29E+00	2.04E-01	3.80E+02	1.10E+01	4.33E+00	2.42E+01	4.02E+01	6.29E+01	9.96E+01
3.00E+00	2.04E-01	3.79E+02	1.10E+01	4.33E+00	2.42E+01	4.01E+01	6.29E+01	9.95E+01
3.10E+00	2.03E-01	3.79E+02	1.09E+01	4.33E+00	2.42E+01	4.01E+01	6.28E+01	9.94E+01
3.28E+00	2.03E-01	3.77E+02	1.09E+01	4.32E+00	2.42E+01	4.00E+01	6.27E+01	9.92E+01
3.48E+00	2.03E-01	3.76E+02	1.09E+01	4.31E+00	2.41E+01	3.99E+01	6.26E+01	9.90E+01
3.68E+00	2.03E-01	3.74E+02	1.09E+01	4.31E+00	2.41E+01	3.99E+01	6.25E+01	9.88E+01
3.89E+00	2.03E-01	3.72E+02	1.09E+01	4.30E+00	2.40E+01	3.98E+01	6.23E+01	9.85E+01
4.12E+00	2.02E-01	3.71E+02	1.08E+01	4.29E+00	2.40E+01	3.97E+01	6.22E+01	9.83E+01
4.36E+00	2.02E-01	3.69E+02	1.08E+01	4.28E+00	2.39E+01	3.96E+01	6.20E+01	9.80E+01
4.61E+00	2.02E-01	3.67E+02	1.08E+01	4.27E+00	2.39E+01	3.95E+01	6.19E+01	9.78E+01
4.88E+00	2.02E-01	3.65E+02	1.07E+01	4.27E+00	2.38E+01	3.94E+01	6.17E+01	9.75E+01
5.17E+00	2.01E-01	3.63E+02	1.07E+01	4.26E+00	2.38E+01	3.93E+01	6.15E+01	9.72E+01
5.47E+00	2.01E-01	3.60E+02	1.07E+01	4.25E+00	2.37E+01	3.92E+01	6.13E+01	9.69E+01
5.78E+00	2.01E-01	3.58E+02	1.06E+01	4.23E+00	2.36E+01	3.91E+01	6.11E+01	9.65E+01
6.12E+00	2.01E-01	3.56E+02	1.06E+01	4.22E+00	2.36E+01	3.90E+01	6.09E+01	9.62E+01
6.48E+00	2.00E-01	3.53E+02	1.06E+01	4.21E+00	2.35E+01	3.88E+01	6.07E+01	9.58E+01
6.86E+00	2.00E-01	3.50E+02	1.05E+01	4.20E+00	2.34E+01	3.87E+01	6.05E+01	9.54E+01
7.26E+00	1.99E-01	3.47E+02	1.05E+01	4.19E+00	2.34E+01	3.85E+01	6.02E+01	9.50E+01
7.68E+00	1.99E-01	3.44E+02	1.04E+01	4.17E+00	2.33E+01	3.84E+01	5.99E+01	9.45E+01
8.13E+00	1.99E-01	3.41E+02	1.04E+01	4.16E+00	2.32E+01	3.82E+01	5.97E+01	9.41E+01
8.60E+00	1.98E-01	3.38E+02	1.03E+01	4.14E+00	2.31E+01	3.81E+01	5.94E+01	9.36E+01
9.10E+00	1.98E-01	3.34E+02	1.03E+01	4.13E+00	2.30E+01	3.79E+01	5.91E+01	9.31E+01
9.63E+00	1.97E-01	3.30E+02	1.02E+01	4.11E+00	2.29E+01	3.77E+01	5.88E+01	9.25E+01
1.00E+01	1.97E-01	3.28E+02	1.02E+01	4.10E+00	2.28E+01	3.76E+01	5.85E+01	9.22E+01
1.02E+01	1.97E-01	3.27E+02	1.02E+01	4.09E+00	2.28E+01	3.75E+01	5.84E+01	9.20E+01
1.08E+01	1.96E-01	3.23E+02	1.01E+01	4.07E+00	2.27E+01	3.73E+01	5.81E+01	9.14E+01
1.14E+01	1.95E-01	3.18E+02	1.01E+01	4.05E+00	2.25E+01	3.71E+01	5.77E+01	9.07E+01
1.21E+01	1.95E-01	3.14E+02	9.99E+00	4.03E+00	2.24E+01	3.68E+01	5.73E+01	9.01E+01
1.28E+01	1.94E-01	3.09E+02	9.92E+00	4.01E+00	2.23E+01	3.66E+01	5.69E+01	8.94E+01
1.35E+01	1.93E-01	3.05E+02	9.85E+00	3.98E+00	2.21E+01	3.63E+01	5.65E+01	8.87E+01
1.43E+01	1.93E-01	3.00E+02	9.77E+00	3.96E+00	2.20E+01	3.61E+01	5.60E+01	8.79E+01
1.51E+01	1.92E-01	2.94E+02	9.69E+00	3.93E+00	2.18E+01	3.58E+01	5.55E+01	8.71E+01
1.60E+01	1.91E-01	2.89E+02	9.60E+00	3.91E+00	2.17E+01	3.55E+01	5.50E+01	8.63E+01
1.70E+01	1.90E-01	2.84E+02	9.51E+00	3.88E+00	2.15E+01	3.52E+01	5.45E+01	8.54E+01
1.80E+01	1.89E-01	2.78E+02	9.42E+00	3.85E+00	2.13E+01	3.49E+01	5.40E+01	8.45E+01
1.90E+01	1.88E-01	2.72E+02	9.32E+00	3.82E+00	2.11E+01	3.45E+01	5.34E+01	8.35E+01

2.01E+01 1.87E-01 2.66E+02 9.22E+00 3.78E+00 2.09E+01 3.42E+01 5.28E+01 8.25E+01

2.13E+01 1.86E-01 2.59E+02 9.11E+00 3.75E+00 2.07E+01 3.38E+01 5.22E+01 8.14E+01

2.25E+01 1.85E-01 2.53E+02 9.00E+00 3.71E+00 2.05E+01 3.34E+01 5.15E+01 8.03E+01

2.38E+01 1.84E-01 2.46E+02 8.88E+00 3.67E+00 2.02E+01 3.30E+01 5.08E+01 7.92E+01

2.52E+01 1.83E-01 2.39E+02 8.76E+00 3.63E+00 2.00E+01 3.26E+01 5.01E+01 7.80E+01

2.67E+01 1.81E-01 2.31E+02 8.63E+00 3.59E+00 1.97E+01 3.21E+01 4.93E+01 7.68E+01

2.82E+01 1.80E-01 2.24E+02 8.50E+00 3.55E+00 1.95E+01 3.16E+01 4.86E+01 7.55E+01

2.99E+01 1.78E-01 2.17E+02 8.36E+00 3.50E+00 1.92E+01 3.12E+01 4.78E+01 7.41E+01

3.00E+01 1.78E-01 2.16E+02 8.35E+00 3.50E+00 1.92E+01 3.11E+01 4.77E+01 7.40E+01

3.16E+01 1.77E-01 2.09E+02 8.22E+00 3.45E+00 1.89E+01 3.07E+01 4.69E+01 7.27E+01

3.35E+01 1.75E-01 2.01E+02 8.07E+00 3.40E+00 1.86E+01 3.01E+01 4.60E+01 7.13E+01

3.54E+01 1.73E-01 1.93E+02 7.92E+00 3.35E+00 1.83E+01 2.96E+01 4.51E+01 6.97E+01

3.75E+01 1.72E-01 1.85E+02 7.76E+00 3.30E+00 1.80E+01 2.90E+01 4.42E+01 6.82E+01

3.97E+01 1.70E-01 1.77E+02 7.59E+00 3.24E+00 1.77E+01 2.84E+01 4.32E+01 6.66E+01

4.20E+01 1.68E-01 1.68E+02 7.42E+00 3.18E+00 1.73E+01 2.78E+01 4.22E+01 6.49E+01

4.44E+01 1.66E-01 1.60E+02 7.25E+00 3.12E+00 1.70E+01 2.72E+01 4.11E+01 6.32E+01

4.70E+01 1.64E-01 1.51E+02 7.06E+00 3.06E+00 1.66E+01 2.65E+01 4.01E+01 6.14E+01

4.97E+01 1.61E-01 1.43E+02 6.88E+00 3.00E+00 1.62E+01 2.58E+01 3.90E+01 5.96E+01

5.26E+01 1.59E-01 1.35E+02 6.69E+00 2.93E+00 1.58E+01 2.51E+01 3.78E+01 5.77E+01

5.57E+01 1.56E-01 1.26E+02 6.49E+00 2.86E+00 1.54E+01 2.44E+01 3.66E+01 5.58E+01

5.90E+01 1.54E-01 1.18E+02 6.29E+00 2.79E+00 1.50E+01 2.36E+01 3.55E+01 5.39E+01

6.24E+01 1.51E-01 1.10E+02 6.08E+00 2.72E+00 1.46E+01 2.29E+01 3.42E+01 5.19E+01

6.0E+01 2.94E-02 1.02E+02 5.87E+00 2.64E+00 1.41E+01 2.21E+01 3.30E+01 4.99E+01

9.99E+01 0.00E+00 9.40E+01 5.66E+00 2.56E+00 1.37E+01 2.13E+01 3.17E+01 4.78E+01

7.39E+01 0.00E+00 8.63E+01 5.45E+00 2.48E+00 1.32E+01 2.04E+01 3.04E+01 4.57E+01

7.82E+01 0.00E+00 7.89E+01 5.23E+00 2.40E+00 1.27E+01 1.96E+01 2.91E+01 4.36E+01

8.28E+01 0.00E+00 7.17E+01 5.01E+00 2.32E+00 1.22E+01 1.87E+01 2.78E+01 4.15E+01

8.76E+01 0.00E+00 6.49E+01 4.78E+00 2.23E+00 1.17E+01 1.79E+01 2.64E+01 3.94E+01

9.27E+01 0.00E+00 5.83E+01 4.56E+00 2.15E+00 1.12E+01 1.71E+01 2.51E+01 3.71E+01

9.81E+01 0.00E+00 5.21E+01 4.33E+00 2.06E+00 1.07E+01 1.63E+01 2.37E+01 3.37E+01

1.00E+02 0.00E+00 5.01E+01 4.26E+00 2.03E+00 1.05E+01 1.60E+01 2.33E+01 3.31E+01

1.04E+02 0.00E+00 4.62E+01 4.11E+00 1.97E+00 1.02E+01 1.54E+01 2.24E+01 3.18E+01

1.10E+02 0.00E+00 4.07E+01 3.88E+00 1.88E+00 9.65E+00 1.46E+01 2.10E+01 2.99E+01

1.16E+02 0.00E+00 3.56E+01 3.66E+00 1.79E+00 9.12E+00 1.37E+01 1.97E+01 2.79E+01

1.23E+02 0.00E+00 3.17E+01 3.43E+00 1.70E+00 8.59E+00 1.29E+01 1.84E+01 2.54E+01

1.30E+02 0.00E+00 2.94E+01 3.21E+00 1.61E+00 8.06E+00 1.21E+01 1.71E+01 2.30E+01

1.38E+02 0.00E+00 2.71E+01 3.00E+00 1.52E+00 7.54E+00 1.13E+01 1.58E+01 2.07E+01

1.46E+02 0.00E+00 2.49E+01 2.79E+00 1.43E+00 7.03E+00 1.05E+01 1.45E+01 1.85E+01

1.54E+02 0.00E+00 2.27E+01 2.58E+00 1.34E+00 6.52E+00 9.65E+00 1.33E+01 1.61E+01

1.63E+02 0.00E+00 2.07E+01 2.38E+00 1.24E+00 6.02E+00 8.87E+00 1.22E+01 1.45E+01

1.73E+02 0.00E+00 1.87E+01 2.18E+00 1.15E+00 5.54E+00 8.11E+00 1.10E+01 1.27E+01

1.83E+02 0.00E+00 1.68E+01 1.99E+00 1.07E+00 5.07E+00 7.18E+00 9.60E+00 1.12E+01

1.94E+02 0.00E+00 1.50E+01 1.81E+00 9.84E-01 4.62E+00 6.55E+00 8.61E+00 1.00E+01

2.05E+02 0.00E+00 1.33E+01 1.63E+00 8.98E-01 4.18E+00 5.84E+00 7.67E+00 8.94E+00

2.17E+02 0.00E+00 1.17E+01 1.47E+00 8.15E-01 3.75E+00 5.25E+00 6.76E+00 7.84E+00

2.29E+02 0.00E+00 1.02E+01 1.31E+00 7.35E-01 3.35E+00 4.69E+00 5.83E+00 6.94E+00

2.43E+02 0.00E+00 8.88E+00 1.16E+00 6.64E-01 2.93E+00 4.17E+00 5.07E+00 6.05E+00

2.57E+02 0.00E+00 7.64E+00 1.03E+00 5.94E-01 2.59E+00 3.65E+00 4.44E+00 5.25E+00

2.72E+02 0.00E+00 6.52E+00 8.99E-01 5.27E-01 2.27E+00 3.10E+00 3.85E+00 4.58E+00

2.88E+02 0.00E+00 5.51E+00 7.81E-01 4.64E-01 1.97E+00 2.69E+00 3.31E+00 3.97E+00

3.00E+02 0.00E+00 4.84E+00 7.01E-01 4.20E-01 1.76E+00 2.38E+00 2.93E+00 3.55E+00

3.05E+02 0.00E+00 4.61E+00 6.73E-01 4.05E-01 1.69E+00 2.27E+00 2.80E+00 3.41E+00

3.22E+02 0.00E+00 3.82E+00 5.76E-01 3.49E-01 1.43E+00 1.92E+00 2.31E+00 2.90E+00

3.41E+02 0.00E+00 3.13E+00 4.88E-01 2.99E-01 1.20E+00 1.57E+00 1.91E+00 2.44E+00

3.61E+02 0.00E+00 2.53E+00 4.09E-01 2.53E-01 9.86E-01 1.31E+00 1.57E+00 1.96E+00

3.82E+02 0.00E+00 2.02E+00 3.40E-01 2.09E-01 8.20E-01 1.09E+00 1.30E+00 1.56E+00

4.04E+02 0.00E+00 1.60E+00 2.79E-01 1.75E-01 6.70E-01 8.62E-01 1.05E+00 1.24E+00

4.28E+02 0.00E+00 1.24E+00 2.27E-01 1.45E-01 5.35E-01 7.00E-01 8.37E-01 1.00E+00

4.53E+02 0.00E+00 9.55E-01 1.83E-01 1.19E-01 4.30E-01 5.62E-01 6.60E-01 7.98E-01

4.79E+02 0.00E+00 7.32E-01 1.45E-01 9.60E-02 3.39E-01 4.44E-01 5.18E-01 6.27E-01

5.07E+02 0.00E+00 5.53E-01 1.14E-01 7.65E-02 2.62E-01 3.43E-01 3.97E-01 4.86E-01

5.36E+02 0.00E+00 4.16E-01 8.77E-02 6.04E-02 2.00E-01 2.64E-01 2.95E-01 3.71E-01

5.68E+02 0.00E+00 3.13E-01 6.67E-02 4.70E-02 1.52E-01 1.98E-01 2.20E-01 2.79E-01

0.01E+02 0.00E+00 2.32E-01 5.00E-02 3.59E-02 1.14E-01 1.44E-01 1.60E-01 1.98E-01

6.36E+02 0.00E+00 1.69E-01 3.69E-02 2.66E-02 8.48E-02 1.02E-01 1.17E-01 1.42E-01

6.73E+02 0.00E+00 1.21E-01 2.68E-02 1.94E-02 6.01E-02 7.30E-02 8.46E-02 1.03E-01

7.12E+02 0.00E+00 8.37E-02 1.91E-02 1.41E-02 4.16E-02 5.06E-02 6.02E-02 7.12E-02

7.53E+02 0.00E+00 5.70E-02 1.34E-02 9.97E-03 2.87E-02 3.50E-02 4.22E-02 4.91E-02

7.97E+02 0.00E+00 3.82E-02 9.23E-03 6.95E-03 1.95E-02 2.34E-02 2.89E-02 3.32E-02

8.44E+02 0.00E+00 2.51E-02 6.26E-03 4.80E-03 1.31E-02 1.58E-02 1.91E-02 2.18E-02

93E+02 0.00E+00 1.62E-02 4.17E-03 3.23E-03 8.59E-03 1.02E-02 1.26E-02 1.39E-02

9.45E+02 0.00E+00 1.06E-02 2.75E-03 2.20E-03 5.56E-03 6.59E-03 8.07E-03 8.91E-03

1.00E+03 0.00E+00 6.78E-03 1.80E-03 1.48E-03 3.61E-03 4.18E-03 5.08E-03 5.58E-03

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-238.RAD

Summary of dose at graphical times, reptition 3

Time Years	Dose statistics at graphical times, mrem/yr							
	Minimum	Maximum	Mean	Median	90%	95%	97.5%	99%
0.00E+00	1.67E-01	3.36E+02	1.12E+01	4.56E+00	2.45E+01	4.09E+01	6.39E+01	1.16E+02
1.00E+00	1.66E-01	3.29E+02	1.11E+01	4.52E+00	2.43E+01	4.05E+01	6.32E+01	1.15E+02
1.06E+00	1.66E-01	3.29E+02	1.11E+01	4.52E+00	2.42E+01	4.05E+01	6.32E+01	1.15E+02
1.12E+00	1.66E-01	3.28E+02	1.11E+01	4.52E+00	2.42E+01	4.05E+01	6.32E+01	1.15E+02
1.19E+00	1.66E-01	3.28E+02	1.11E+01	4.51E+00	2.42E+01	4.05E+01	6.31E+01	1.15E+02
1.25E+00	1.66E-01	3.27E+02	1.11E+01	4.51E+00	2.42E+01	4.04E+01	6.31E+01	1.15E+02
1.33E+00	1.66E-01	3.27E+02	1.11E+01	4.51E+00	2.42E+01	4.04E+01	6.30E+01	1.15E+02
1.40E+00	1.66E-01	3.26E+02	1.10E+01	4.50E+00	2.42E+01	4.04E+01	6.30E+01	1.14E+02
1.49E+00	1.65E-01	3.26E+02	1.10E+01	4.50E+00	2.42E+01	4.04E+01	6.29E+01	1.14E+02
1.57E+00	1.65E-01	3.25E+02	1.10E+01	4.50E+00	2.41E+01	4.03E+01	6.29E+01	1.14E+02
1.66E+00	1.65E-01	3.25E+02	1.10E+01	4.50E+00	2.41E+01	4.03E+01	6.28E+01	1.14E+02
1.76E+00	1.65E-01	3.24E+02	1.10E+01	4.49E+00	2.41E+01	4.03E+01	6.27E+01	1.14E+02
1.86E+00	1.65E-01	3.23E+02	1.10E+01	4.49E+00	2.41E+01	4.02E+01	6.27E+01	1.14E+02
1.97E+00	1.65E-01	3.22E+02	1.10E+01	4.48E+00	2.41E+01	4.02E+01	6.26E+01	1.14E+02
2.09E+00	1.65E-01	3.22E+02	1.10E+01	4.48E+00	2.40E+01	4.01E+01	6.25E+01	1.14E+02
2.21E+00	1.65E-01	3.21E+02	1.10E+01	4.48E+00	2.40E+01	4.01E+01	6.24E+01	1.13E+02
2.24E+00	1.64E-01	3.20E+02	1.09E+01	4.47E+00	2.40E+01	4.00E+01	6.24E+01	1.13E+02
2.27E+00	1.64E-01	3.19E+02	1.09E+01	4.47E+00	2.40E+01	4.00E+01	6.23E+01	1.13E+02
2.26E+00	1.64E-01	3.18E+02	1.09E+01	4.46E+00	2.39E+01	3.99E+01	6.22E+01	1.13E+02
2.27E+00	1.64E-01	3.17E+02	1.09E+01	4.46E+00	2.39E+01	3.99E+01	6.21E+01	1.13E+02
2.29E+00	1.64E-01	3.16E+02	1.09E+01	4.45E+00	2.39E+01	3.98E+01	6.20E+01	1.12E+02
3.00E+00	1.63E-01	3.16E+02	1.09E+01	4.45E+00	2.38E+01	3.98E+01	6.19E+01	1.12E+02
3.31E+00	1.63E-01	3.15E+02	1.09E+01	4.44E+00	2.38E+01	3.98E+01	6.19E+01	1.12E+02
3.32E+00	1.63E-01	3.14E+02	1.08E+01	4.44E+00	2.38E+01	3.97E+01	6.17E+01	1.12E+02
3.48E+00	1.63E-01	3.13E+02	1.08E+01	4.43E+00	2.37E+01	3.96E+01	6.16E+01	1.12E+02
3.68E+00	1.63E-01	3.11E+02	1.08E+01	4.42E+00	2.37E+01	3.96E+01	6.15E+01	1.11E+02
3.89E+00	1.62E-01	3.10E+02	1.08E+01	4.42E+00	2.37E+01	3.95E+01	6.13E+01	1.11E+02
4.12E+00	1.62E-01	3.09E+02	1.08E+01	4.41E+00	2.36E+01	3.94E+01	6.12E+01	1.11E+02
4.36E+00	1.62E-01	3.07E+02	1.07E+01	4.40E+00	2.36E+01	3.93E+01	6.10E+01	1.10E+02
4.61E+00	1.61E-01	3.06E+02	1.07E+01	4.39E+00	2.35E+01	3.92E+01	6.09E+01	1.10E+02
4.88E+00	1.61E-01	3.04E+02	1.07E+01	4.38E+00	2.35E+01	3.91E+01	6.07E+01	1.10E+02
5.17E+00	1.61E-01	3.02E+02	1.06E+01	4.37E+00	2.34E+01	3.90E+01	6.05E+01	1.09E+02
5.47E+00	1.60E-01	3.00E+02	1.06E+01	4.36E+00	2.33E+01	3.89E+01	6.03E+01	1.09E+02
5.78E+00	1.60E-01	2.98E+02	1.06E+01	4.35E+00	2.33E+01	3.88E+01	6.01E+01	1.09E+02
6.12E+00	1.60E-01	2.96E+02	1.05E+01	4.34E+00	2.32E+01	3.87E+01	5.99E+01	1.08E+02
6.48E+00	1.59E-01	2.94E+02	1.05E+01	4.33E+00	2.31E+01	3.86E+01	5.97E+01	1.08E+02
6.86E+00	1.59E-01	2.92E+02	1.05E+01	4.31E+00	2.31E+01	3.84E+01	5.95E+01	1.07E+02
7.26E+00	1.58E-01	2.90E+02	1.04E+01	4.30E+00	2.30E+01	3.83E+01	5.92E+01	1.07E+02
7.68E+00	1.58E-01	2.87E+02	1.04E+01	4.28E+00	2.29E+01	3.82E+01	5.90E+01	1.06E+02
8.13E+00	1.57E-01	2.85E+02	1.03E+01	4.27E+00	2.28E+01	3.80E+01	5.87E+01	1.06E+02
8.60E+00	1.56E-01	2.82E+02	1.03E+01	4.25E+00	2.27E+01	3.78E+01	5.84E+01	1.05E+02
9.10E+00	1.56E-01	2.79E+02	1.02E+01	4.24E+00	2.26E+01	3.77E+01	5.81E+01	1.04E+02
9.63E+00	1.55E-01	2.76E+02	1.02E+01	4.22E+00	2.25E+01	3.75E+01	5.78E+01	1.04E+02
1.00E+01	1.55E-01	2.74E+02	1.01E+01	4.21E+00	2.25E+01	3.74E+01	5.75E+01	1.03E+02
1.02E+01	1.54E-01	2.73E+02	1.01E+01	4.20E+00	2.24E+01	3.73E+01	5.74E+01	1.03E+02
1.08E+01	1.54E-01	2.70E+02	1.01E+01	4.18E+00	2.23E+01	3.71E+01	5.71E+01	1.02E+02
1.14E+01	1.53E-01	2.66E+02	1.00E+01	4.16E+00	2.22E+01	3.69E+01	5.67E+01	1.02E+02
1.21E+01	1.52E-01	2.63E+02	9.93E+00	4.14E+00	2.21E+01	3.67E+01	5.63E+01	1.01E+02
1.28E+01	1.51E-01	2.59E+02	9.86E+00	4.11E+00	2.19E+01	3.64E+01	5.59E+01	9.99E+01
1.35E+01	1.50E-01	2.55E+02	9.79E+00	4.09E+00	2.18E+01	3.62E+01	5.55E+01	9.90E+01
1.43E+01	1.50E-01	2.51E+02	9.71E+00	4.06E+00	2.16E+01	3.59E+01	5.50E+01	9.80E+01
1.51E+01	1.49E-01	2.47E+02	9.63E+00	4.04E+00	2.15E+01	3.57E+01	5.45E+01	9.71E+01
1.60E+01	1.48E-01	2.42E+02	9.54E+00	4.01E+00	2.13E+01	3.54E+01	5.40E+01	9.60E+01
1.70E+01	1.46E-01	2.38E+02	9.46E+00	3.98E+00	2.12E+01	3.51E+01	5.35E+01	9.50E+01
1.80E+01	1.45E-01	2.33E+02	9.36E+00	3.95E+00	2.10E+01	3.48E+01	5.30E+01	9.38E+01
1.90E+01	1.44E-01	2.28E+02	9.27E+00	3.91E+00	2.08E+01	3.44E+01	5.24E+01	9.27E+01

2.01E+01 1.43E-01 2.23E+02 9.16E+00 3.88E+00 2.06E+01 3.41E+01 5.18E+01 9.14E+01

2.13E+01 1.42E-01 2.18E+02 9.06E+00 3.84E+00 2.04E+01 3.37E+01 5.11E+01 9.02E+01

2.25E+01 1.40E-01 2.12E+02 8.95E+00 3.81E+00 2.02E+01 3.34E+01 5.05E+01 8.88E+01

2.38E+01 1.39E-01 2.07E+02 8.83E+00 3.77E+00 1.99E+01 3.30E+01 4.98E+01 8.74E+01

2.52E+01 1.37E-01 2.01E+02 8.71E+00 3.73E+00 1.97E+01 3.25E+01 4.91E+01 8.60E+01

2.67E+01 1.36E-01 1.95E+02 8.59E+00 3.68E+00 1.95E+01 3.21E+01 4.83E+01 8.45E+01

2.82E+01 1.34E-01 1.89E+02 8.45E+00 3.64E+00 1.92E+01 3.17E+01 4.75E+01 8.29E+01

2.99E+01 1.32E-01 1.83E+02 8.32E+00 3.59E+00 1.89E+01 3.12E+01 4.67E+01 8.13E+01

3.00E+01 1.32E-01 1.82E+02 8.31E+00 3.59E+00 1.89E+01 3.12E+01 4.67E+01 8.12E+01

3.16E+01 1.30E-01 1.76E+02 8.18E+00 3.54E+00 1.87E+01 3.07E+01 4.59E+01 7.96E+01

3.35E+01 1.29E-01 1.70E+02 8.03E+00 3.49E+00 1.84E+01 3.02E+01 4.50E+01 7.79E+01

3.54E+01 1.27E-01 1.63E+02 7.88E+00 3.43E+00 1.81E+01 2.97E+01 4.41E+01 7.61E+01

3.75E+01 1.25E-01 1.57E+02 7.72E+00 3.38E+00 1.77E+01 2.91E+01 4.32E+01 7.42E+01

3.97E+01 1.22E-01 1.50E+02 7.56E+00 3.32E+00 1.74E+01 2.85E+01 4.22E+01 7.23E+01

4.20E+01 1.20E-01 1.43E+02 7.39E+00 3.26E+00 1.71E+01 2.80E+01 4.12E+01 7.03E+01

4.44E+01 1.18E-01 1.36E+02 7.21E+00 3.20E+00 1.67E+01 2.73E+01 4.01E+01 6.83E+01

4.70E+01 1.16E-01 1.29E+02 7.03E+00 3.13E+00 1.64E+01 2.67E+01 3.91E+01 6.62E+01

4.97E+01 1.13E-01 1.22E+02 6.85E+00 3.06E+00 1.60E+01 2.60E+01 3.80E+01 6.40E+01

5.26E+01 1.11E-01 1.15E+02 6.66E+00 2.99E+00 1.56E+01 2.54E+01 3.68E+01 6.18E+01

5.57E+01 1.08E-01 1.08E+02 6.46E+00 2.92E+00 1.52E+01 2.47E+01 3.57E+01 5.96E+01

5.90E+01 1.07E-01 1.01E+02 6.27E+00 2.85E+00 1.48E+01 2.40E+01 3.46E+01 5.73E+01

6.24E+01 1.08E-01 9.43E+01 6.06E+00 2.77E+00 1.43E+01 2.32E+01 3.34E+01 5.50E+01

6.0E+01 1.08E-01 8.76E+01 5.85E+00 2.69E+00 1.39E+01 2.25E+01 3.23E+01 5.26E+01

99E+01 1.08E-01 8.10E+01 5.64E+00 2.61E+00 1.34E+01 2.17E+01 3.11E+01 5.03E+01

7.39E+01 1.09E-01 7.45E+01 5.43E+00 2.52E+00 1.30E+01 2.09E+01 2.99E+01 4.79E+01

7.82E+01 1.09E-01 6.83E+01 5.21E+00 2.44E+00 1.25E+01 2.01E+01 2.86E+01 4.47E+01

8.28E+01 1.09E-01 6.22E+01 4.99E+00 2.35E+00 1.20E+01 1.92E+01 2.73E+01 4.23E+01

8.76E+01 1.08E-01 5.64E+01 4.77E+00 2.26E+00 1.15E+01 1.83E+01 2.58E+01 3.99E+01

9.27E+01 1.04E-01 5.08E+01 4.54E+00 2.17E+00 1.10E+01 1.73E+01 2.44E+01 3.75E+01

9.81E+01 1.01E-01 4.55E+01 4.32E+00 2.08E+00 1.05E+01 1.64E+01 2.29E+01 3.52E+01

1.00E+02 9.96E-02 4.38E+01 4.24E+00 2.05E+00 1.03E+01 1.61E+01 2.24E+01 3.44E+01

1.04E+02 9.73E-02 4.17E+01 4.09E+00 1.99E+00 9.94E+00 1.55E+01 2.15E+01 3.28E+01

1.10E+02 9.37E-02 3.87E+01 3.87E+00 1.89E+00 9.43E+00 1.46E+01 2.02E+01 3.05E+01

1.16E+02 9.00E-02 3.58E+01 3.64E+00 1.80E+00 8.91E+00 1.38E+01 1.89E+01 2.83E+01

1.23E+02 8.63E-02 3.29E+01 3.42E+00 1.70E+00 8.39E+00 1.30E+01 1.77E+01 2.61E+01

1.30E+02 8.25E-02 3.02E+01 3.20E+00 1.61E+00 7.88E+00 1.22E+01 1.64E+01 2.37E+01

1.38E+02 7.87E-02 2.75E+01 2.99E+00 1.51E+00 7.36E+00 1.13E+01 1.48E+01 2.12E+01

1.46E+02 7.48E-02 2.49E+01 2.77E+00 1.42E+00 6.84E+00 1.05E+01 1.37E+01 1.95E+01

1.54E+02 7.09E-02 2.24E+01 2.57E+00 1.32E+00 6.32E+00 9.66E+00 1.26E+01 1.78E+01

1.63E+02 6.70E-02 2.01E+01 2.36E+00 1.23E+00 5.81E+00 8.86E+00 1.16E+01 1.61E+01

1.73E+02 6.30E-02 1.78E+01 2.17E+00 1.14E+00 5.35E+00 8.07E+00 1.03E+01 1.43E+01

1.83E+02 5.91E-02 1.58E+01 1.98E+00 1.05E+00 4.91E+00 7.25E+00 9.29E+00 1.27E+01

1.94E+02 5.52E-02 1.38E+01 1.80E+00 9.68E-01 4.49E+00 6.52E+00 8.35E+00 1.12E+01

2.05E+02 5.14E-02 1.20E+01 1.62E+00 8.87E-01 4.06E+00 5.86E+00 7.46E+00 9.92E+00

2.17E+02 4.76E-02 1.04E+01 1.46E+00 8.07E-01 3.53E+00 5.25E+00 6.61E+00 8.59E+00

2.29E+02 4.39E-02 8.89E+00 1.30E+00 7.31E-01 3.15E+00 4.64E+00 5.82E+00 7.38E+00

2.43E+02 4.02E-02 7.54E+00 1.16E+00 6.54E-01 2.80E+00 4.08E+00 5.09E+00 6.29E+00

2.57E+02 0.00E+00 6.34E+00 1.02E+00 5.84E-01 2.48E+00 3.55E+00 4.42E+00 5.31E+00

2.72E+02 0.00E+00 5.27E+00 8.91E-01 5.19E-01 2.18E+00 3.04E+00 3.79E+00 4.62E+00

2.88E+02 0.00E+00 4.36E+00 7.74E-01 4.59E-01 1.88E+00 2.62E+00 3.21E+00 3.98E+00

3.00E+02 0.00E+00 3.85E+00 6.94E-01 4.17E-01 1.69E+00 2.34E+00 2.82E+00 3.50E+00

3.05E+02 0.00E+00 3.68E+00 6.67E-01 4.02E-01 1.62E+00 2.24E+00 2.69E+00 3.32E+00

3.22E+02 0.00E+00 3.09E+00 5.70E-01 3.47E-01 1.39E+00 1.88E+00 2.24E+00 2.69E+00

3.41E+02 0.00E+00 2.55E+00 4.82E-01 2.99E-01 1.18E+00 1.57E+00 1.89E+00 2.25E+00

3.61E+02 0.00E+00 2.07E+00 4.04E-01 2.54E-01 9.77E-01 1.29E+00 1.51E+00 1.76E+00

3.82E+02 0.00E+00 1.67E+00 3.36E-01 2.14E-01 8.12E-01 1.07E+00 1.21E+00 1.36E+00

4.04E+02 0.00E+00 1.32E+00 2.76E-01 1.79E-01 6.62E-01 8.52E-01 9.76E-01 1.09E+00

4.28E+02 0.00E+00 1.03E+00 2.24E-01 1.48E-01 5.43E-01 6.79E-01 7.63E-01 8.88E-01

4.53E+02 0.00E+00 8.07E-01 1.80E-01 1.21E-01 4.41E-01 5.38E-01 5.95E-01 7.14E-01

4.79E+02 0.00E+00 6.33E-01 1.43E-01 9.78E-02 3.45E-01 4.10E-01 4.66E-01 5.68E-01

5.07E+02 0.00E+00 4.79E-01 1.12E-01 7.78E-02 2.68E-01 3.18E-01 3.53E-01 4.33E-01

5.36E+02 0.00E+00 3.53E-01 8.61E-02 6.12E-02 2.02E-01 2.34E-01 2.63E-01 3.18E-01

5.68E+02 0.00E+00 2.62E-01 6.55E-02 4.73E-02 1.49E-01 1.78E-01 1.97E-01 2.29E-01

0.01E+02 0.00E+00 1.97E-01 4.91E-02 3.59E-02 1.11E-01 1.31E-01 1.48E-01 1.68E-01

6.36E+02 0.00E+00 1.45E-01 3.62E-02 2.69E-02 8.04E-02 9.50E-02 1.07E-01 1.18E-01

6.73E+02 0.00E+00 1.05E-01 2.63E-02 1.96E-02 5.86E-02 6.92E-02 7.47E-02 8.16E-02

7.12E+02 0.00E+00 7.47E-02 1.87E-02 1.42E-02 4.15E-02 4.85E-02 5.18E-02 5.80E-02

7.53E+02 0.00E+00 5.21E-02 1.31E-02 1.02E-02 2.83E-02 3.38E-02 3.59E-02 4.06E-02

7.97E+02 0.00E+00 3.56E-02 9.03E-03 7.05E-03 1.89E-02 2.24E-02 2.44E-02 2.78E-02

8.44E+02 0.00E+00 2.39E-02 6.09E-03 4.85E-03 1.26E-02 1.48E-02 1.61E-02 1.84E-02

8.93E+02 0.00E+00 1.57E-02 4.06E-03 3.22E-03 8.26E-03 9.61E-03 1.06E-02 1.19E-02

9.45E+02 0.00E+00 1.01E-02 2.68E-03 2.18E-03 5.37E-03 6.16E-03 6.96E-03 7.86E-03

1.00E+03 0.00E+00 6.39E-03 1.76E-03 1.47E-03 3.38E-03 3.86E-03 4.42E-03 5.04E-03

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-238.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		1.086E+01
2	0.000E+00		1.129E+01
3	0.000E+00		1.120E+01

Title : RESRAD Default Parameters
 Input File : FCS BFM INSITU UA PU-238.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	12 -0.02	11 -0.02	7 -0.06	7 0.00
Contaminated zone b parameter	3 -0.08	3 -0.07	15 -0.02	15 0.00
Evapotranspiration coefficient	6 -0.04	6 -0.04	6 0.11	6 0.01
Wind Speed	8 0.03	8 0.03	12 -0.04	12 0.00
Runoff coefficient	5 -0.06	5 -0.06	13 -0.02	13 0.00
b Parameter of Unsaturated zone 1	13 -0.01	13 -0.01	9 0.05	9 0.00
Mass loading for inhalation	15 -0.01	15 -0.01	16 -0.02	16 0.00
Indoor dust filtration factor	16 0.01	16 0.01	14 -0.02	14 0.00
Depth of soil mixing layer	11 -0.02	12 -0.02	10 0.05	10 0.00
Depth of roots	9 -0.02	9 -0.02	2 0.70	2 0.05
Wet weight crop yield of fruit, grain and non-leafy vegetables	4 0.06	4 0.06	5 -0.14	5 -0.01
Weathering removal constant of all vegetation	17 0.00	17 0.00	3 -0.45	3 -0.03
Wet foliar interception fraction of leafy vegetables	7 -0.03	7 -0.03	4 0.23	4 0.01
Humidity in air	2 0.08	2 0.08	17 -0.01	17 0.00
Cover erosion rate	10 -0.02	10 -0.02	8 0.06	8 0.00
Kd of Pu-238 in Contaminated Zone	1 -0.23	1 -0.23	1 -1.00	1 -1.00
Kd of Pu-238 in Saturated Zone	14 -0.01	14 -0.01	11 0.04	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-238.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	7	-0.03	7	-0.03	16	0.01	16	0.00
Contaminated zone b parameter	6	0.03	6	0.03	9	0.03	9	0.00
Evapotranspiration coefficient	17	0.00	17	0.00	17	0.00	17	0.00
Wind Speed	4	0.05	4	0.05	13	0.01	13	0.00
Runoff coefficient	8	0.01	8	0.01	12	-0.02	12	0.00
b Parameter of Unsaturated zone 1	15	0.00	15	0.00	6	-0.05	6	0.00
Mass loading for inhalation	13	-0.01	13	-0.01	15	-0.01	15	0.00
Indoor dust filtration factor	5	-0.04	5	-0.04	7	0.03	7	0.00
Depth of soil mixing layer	2	0.06	2	0.06	11	-0.02	11	0.00
Depth of roots	10	0.01	10	0.01	2	0.71	2	0.06
Wet weight crop yield of fruit, grain and non-leafy vegetables	9	-0.01	9	-0.01	5	-0.14	5	-0.01
Weathering removal constant of all vegetation	14	-0.01	14	-0.01	3	-0.38	3	-0.02
Wet foliar interception fraction of leafy vegetables	3	0.06	3	0.05	4	0.21	4	0.01
Humidity in air	12	0.01	12	0.01	8	0.03	8	0.00
Cover erosion rate	11	-0.01	11	-0.01	14	0.01	14	0.00
Kd of Pu-238 in Contaminated Zone	1	-0.13	1	-0.13	1	-1.00	1	-1.00
Kd of Pu-238 in Saturated Zone	16	0.00	16	0.00	10	0.02	10	0.00
R-SQUARE		0.03		0.03		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-238.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	17	0.00	17	0.00	15	-0.01	15	0.00
Contaminated zone b parameter	11	0.01	11	0.01	13	-0.02	13	0.00
Evapotranspiration coefficient	14	0.00	14	0.00	6	-0.11	6	-0.01
Wind Speed	5	-0.05	5	-0.05	11	0.03	11	0.00
Runoff coefficient	3	-0.06	3	-0.06	12	-0.03	12	0.00
b Parameter of Unsaturated zone 1	15	0.00	15	0.00	10	-0.04	10	0.00
Mass loading for inhalation	2	0.10	2	0.09	8	-0.06	8	0.00
Indoor dust filtration factor	12	-0.01	12	-0.01	7	-0.09	7	0.00
Depth of soil mixing layer	13	-0.01	13	-0.01	17	0.00	17	0.00
Depth of roots	4	0.06	4	0.06	2	0.72	2	0.05
Wet weight crop yield of fruit, grain and non-leafy vegetables	7	-0.04	7	-0.04	5	-0.17	5	-0.01
Weathering removal constant of all vegetation	16	0.00	16	0.00	3	-0.42	3	-0.02
Wet foliar interception fraction of leafy vegetables	9	0.02	9	0.02	4	0.23	4	0.01
Humidity in air	8	-0.03	8	-0.03	14	0.01	14	0.00
Cover erosion rate	6	0.05	6	0.05	9	0.05	9	0.00
Kd of Pu-238 in Contaminated Zone	1	-0.19	1	-0.19	1	-1.00	1	-1.00
Kd of Pu-238 in Saturated Zone	10	-0.02	10	-0.02	16	-0.01	16	0.00
R-SQUARE		0.06		0.06		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.