

Probabilistic results summary : RESRAD Default Parameters

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Probabilistic Total Dose Summary

Nuclide (j)	Peak Time	Peak Dose	DOSE(j,t), mrem/yr							
			t= 0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
Cm-244										
Min	0.00E+00	1.17E-02	5.37E-04	9.71E-04	1.79E-03	4.21E-03	8.39E-03	0.00E+00	0.00E+00	0.00E+00
Max	6.58E+02	8.58E+02	8.58E+02	7.78E+02	6.40E+02	3.24E+02	6.05E+01	1.72E+00	1.69E-02	1.44E-02
Avg	4.25E+00	7.55E+00	7.55E+00	7.14E+00	6.39E+00	4.41E+00	1.67E+00	9.60E-02	1.33E-02	9.65E-03
Std	4.08E+01	4.51E+01	4.51E+01	4.15E+01	3.53E+01	2.07E+01	5.75E+00	2.16E-01	1.46E-03	2.94E-03
ALL										
Min	0.00E+00	1.17E-02	5.37E-04	9.71E-04	1.79E-03	4.21E-03	8.39E-03	0.00E+00	0.00E+00	0.00E+00
Max	6.58E+02	8.58E+02	8.58E+02	7.78E+02	6.40E+02	3.24E+02	6.05E+01	1.72E+00	1.69E-02	1.44E-02
Avg	4.25E+00	7.55E+00	7.55E+00	7.14E+00	6.39E+00	4.41E+00	1.67E+00	9.60E-02	1.33E-02	9.65E-03
Std	4.08E+01	4.51E+01	4.51E+01	4.15E+01	3.53E+01	2.07E+01	5.75E+00	2.16E-01	1.46E-03	2.94E-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
<hr/>									
CM-244									
Min		3.95E-10	9.03E-10	1.86E-09	4.70E-09	9.61E-09	0.00E+00	0.00E+00	0.00E+00
Max		1.16E-03	1.05E-03	8.66E-04	4.38E-04	7.91E-05	2.20E-06	2.13E-08	1.81E-08
Avg		9.94E-06	9.40E-06	8.42E-06	5.80E-06	2.20E-06	1.25E-07	1.61E-08	1.18E-08
Std		5.97E-05	5.50E-05	4.67E-05	2.72E-05	7.50E-06	2.80E-07	1.89E-09	3.57E-09
<hr/>									
ALL									
Min		3.95E-10	9.03E-10	1.86E-09	4.70E-09	9.61E-09	0.00E+00	0.00E+00	0.00E+00
Max		1.16E-03	1.05E-03	8.66E-04	4.38E-04	7.91E-05	2.20E-06	2.13E-08	1.81E-08
Avg		9.94E-06	9.40E-06	8.42E-06	5.80E-06	2.20E-06	1.25E-07	1.61E-08	1.18E-08
Std		5.97E-05	5.50E-05	4.67E-05	2.72E-05	7.50E-06	2.80E-07	1.89E-09	3.57E-09
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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/>								
Cm-244								
Min	9.52E-23	2.80E-22	6.26E-22	1.62E-21	3.38E-21	0.00E+00	0.00E+00	0.00E+00
Max	8.81E-21	6.17E-18	1.30E-12	4.08E-05	1.91E-05	1.49E-06	1.84E-07	1.60E-07
Avg	1.47E-22	2.16E-20	3.30E-15	4.54E-07	4.92E-07	5.88E-08	4.18E-08	9.76E-08
Std	5.15E-22	3.12E-19	5.94E-14	4.14E-06	3.00E-06	2.88E-07	7.54E-08	7.10E-08
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ALL								
Min	9.52E-23	2.80E-22	6.26E-22	1.62E-21	3.38E-21	0.00E+00	0.00E+00	0.00E+00
Max	8.81E-21	6.17E-18	1.30E-12	4.08E-05	1.91E-05	1.49E-06	1.84E-07	1.60E-07
Avg	1.47E-22	2.16E-20	3.30E-15	4.54E-07	4.92E-07	5.88E-08	4.18E-08	9.76E-08
Std	5.15E-22	3.12E-19	5.94E-14	4.14E-06	3.00E-06	2.88E-07	7.54E-08	7.10E-08
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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
<hr/>								
CM-244								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	2.54E-07	4.72E-03	2.21E-03	1.82E-04	3.90E-05	6.45E-05
Avg	0.00E+00	0.00E+00	2.83E-10	2.99E-05	2.84E-05	3.09E-06	3.58E-06	7.40E-06
Std	0.00E+00	0.00E+00	8.47E-09	2.88E-04	1.83E-04	1.63E-05	6.47E-06	7.05E-06
ALL								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	2.54E-07	4.72E-03	2.21E-03	1.82E-04	3.90E-05	6.45E-05
Avg	0.00E+00	0.00E+00	2.83E-10	2.99E-05	2.84E-05	3.09E-06	3.58E-06	7.40E-06
Std	0.00E+00	0.00E+00	8.47E-09	2.88E-04	1.83E-04	1.63E-05	6.47E-06	7.05E-06

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
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CM-244								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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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	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): 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
<hr/>								
Cm-244								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	3.74E-01	3.78E-01	3.93E-01	3.33E-01	1.56E-01	1.29E-02	2.28E-03	1.98E-03
Avg	2.26E-01	2.19E-01	2.04E-01	1.59E-01	7.76E-02	7.06E-03	1.60E-03	1.47E-03
Std	1.32E-01	1.28E-01	1.19E-01	9.21E-02	4.37E-02	3.61E-03	6.42E-04	5.60E-04
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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	3.74E-01	3.78E-01	3.93E-01	3.33E-01	1.56E-01	1.29E-02	2.28E-03	1.98E-03
Avg	2.26E-01	2.19E-01	2.04E-01	1.59E-01	7.76E-02	7.06E-03	1.60E-03	1.47E-03
Std	1.32E-01	1.28E-01	1.19E-01	9.21E-02	4.37E-02	3.61E-03	6.42E-04	5.60E-04
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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/>								
Cm-244								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	1.68E-04	1.69E-04	1.76E-04	2.26E-03	1.08E-03	1.16E-04	4.32E-05	3.76E-05
Avg	1.02E-04	9.85E-05	9.19E-05	1.00E-04	6.40E-05	8.85E-06	1.33E-05	2.47E-05
Std	5.97E-05	5.75E-05	5.35E-05	2.48E-04	1.70E-04	2.21E-05	1.74E-05	1.50E-05
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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	1.68E-04	1.69E-04	1.76E-04	2.26E-03	1.08E-03	1.16E-04	4.32E-05	3.76E-05
Avg	1.02E-04	9.85E-05	9.19E-05	1.00E-04	6.40E-05	8.85E-06	1.33E-05	2.47E-05
Std	5.97E-05	5.75E-05	5.35E-05	2.48E-04	1.70E-04	2.21E-05	1.74E-05	1.50E-05
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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
<hr/>								
Cm-244								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	1.31E-04	1.32E-04	1.37E-04	8.17E-04	3.81E-04	2.81E-05	2.06E-06	1.79E-06
Avg	7.93E-05	7.65E-05	7.13E-05	6.50E-05	3.62E-05	3.22E-06	7.00E-07	1.19E-06
Std	4.64E-05	4.47E-05	4.16E-05	9.10E-05	5.94E-05	5.22E-06	7.92E-07	6.85E-07
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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	1.31E-04	1.32E-04	1.37E-04	8.17E-04	3.81E-04	2.81E-05	2.06E-06	1.79E-06
Avg	7.93E-05	7.65E-05	7.13E-05	6.50E-05	3.62E-05	3.22E-06	7.00E-07	1.19E-06
Std	4.64E-05	4.47E-05	4.16E-05	9.10E-05	5.94E-05	5.22E-06	7.92E-07	6.85E-07
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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/>								
CM-244								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	1.82E-06	1.93E-02	9.07E-03	7.51E-04	1.33E-04	1.16E-04
Avg	0.00E+00	0.00E+00	2.02E-09	2.59E-04	2.56E-04	3.22E-05	3.71E-05	7.51E-05
Std	0.00E+00	0.00E+00	6.07E-08	2.16E-03	1.47E-03	1.48E-04	5.56E-05	4.80E-05
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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	1.82E-06	1.93E-02	9.07E-03	7.51E-04	1.33E-04	1.16E-04
Avg	0.00E+00	0.00E+00	2.02E-09	2.59E-04	2.56E-04	3.22E-05	3.71E-05	7.51E-05
Std	0.00E+00	0.00E+00	6.07E-08	2.16E-03	1.47E-03	1.48E-04	5.56E-05	4.80E-05
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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
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CM-244								
Min	2.75E-04	7.05E-04	1.52E-03	3.91E-03	8.06E-03	0.00E+00	0.00E+00	0.00E+00
Max	7.47E+02	6.78E+02	5.58E+02	2.95E+02	5.65E+01	1.68E+00	1.11E-02	9.68E-03
Avg	6.73E+00	6.36E+00	5.69E+00	3.91E+00	1.46E+00	8.14E-02	1.07E-02	7.39E-03
Std	4.14E+01	3.82E+01	3.25E+01	1.91E+01	5.35E+00	2.00E-01	1.03E-03	2.43E-03
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ALL								
Min	2.75E-04	7.05E-04	1.52E-03	3.91E-03	8.06E-03	0.00E+00	0.00E+00	0.00E+00
Max	7.47E+02	6.78E+02	5.58E+02	2.95E+02	5.65E+01	1.68E+00	1.11E-02	9.68E-03
Avg	6.73E+00	6.36E+00	5.69E+00	3.91E+00	1.46E+00	8.14E-02	1.07E-02	7.39E-03
Std	4.14E+01	3.82E+01	3.25E+01	1.91E+01	5.35E+00	2.00E-01	1.03E-03	2.43E-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
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CM-244								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
<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							
	(j) t= 0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
<hr/>								
CM-244								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
<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 CM-244.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
-----	-----	-----	-----	-----	-----	-----	-----	-----
CM-244								
Min	1.38E-05	2.74E-05	5.07E-05	1.19E-04	2.39E-04	0.00E+00	0.00E+00	0.00E+00
Max	1.10E+02	1.00E+02	8.24E+01	4.17E+01	5.93E+00	2.49E-01	4.34E-03	3.59E-03
Avg	5.84E-01	5.52E-01	4.93E-01	3.38E-01	1.27E-01	7.39E-03	9.72E-04	6.75E-04
Std	4.18E+00	3.83E+00	3.22E+00	1.80E+00	4.76E-01	2.07E-02	5.75E-04	4.68E-04
-----	-----	-----	-----	-----	-----	-----	-----	-----
ALL								
Min	1.38E-05	2.74E-05	5.07E-05	1.19E-04	2.39E-04	0.00E+00	0.00E+00	0.00E+00
Max	1.10E+02	1.00E+02	8.24E+01	4.17E+01	5.93E+00	2.49E-01	4.34E-03	3.59E-03
Avg	5.84E-01	5.52E-01	4.93E-01	3.38E-01	1.27E-01	7.39E-03	9.72E-04	6.75E-04
Std	4.18E+00	3.83E+00	3.22E+00	1.80E+00	4.76E-01	2.07E-02	5.75E-04	4.68E-04
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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 CM-244.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/>								
Cm-244								
Min	2.08E-07	5.95E-07	1.26E-06	3.23E-06	6.64E-06	0.00E+00	0.00E+00	0.00E+00
Max	3.35E-01	3.04E-01	2.50E-01	1.27E-01	1.96E-02	5.79E-04	1.59E-05	1.37E-05
Avg	2.46E-03	2.33E-03	2.08E-03	1.43E-03	5.40E-04	3.74E-05	1.10E-05	7.61E-06
Std	1.54E-02	1.42E-02	1.21E-02	6.97E-03	1.91E-03	7.28E-05	1.87E-06	2.74E-06
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ALL								
Min	2.08E-07	5.95E-07	1.26E-06	3.23E-06	6.64E-06	0.00E+00	0.00E+00	0.00E+00
Max	3.35E-01	3.04E-01	2.50E-01	1.27E-01	1.96E-02	5.79E-04	1.59E-05	1.37E-05
Avg	2.46E-03	2.33E-03	2.08E-03	1.43E-03	5.40E-04	3.74E-05	1.10E-05	7.61E-06
Std	1.54E-02	1.42E-02	1.21E-02	6.97E-03	1.91E-03	7.28E-05	1.87E-06	2.74E-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 CM-244.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
<hr/>								
Cm-244								
Min	2.47E-08	5.51E-08	1.11E-07	2.26E-07	4.23E-07	0.00E+00	0.00E+00	0.00E+00
Max	1.93E-01	1.75E-01	1.44E-01	7.28E-02	1.04E-02	3.05E-04	1.26E-06	1.09E-06
Avg	1.31E-03	1.24E-03	1.11E-03	7.57E-04	2.83E-04	1.46E-05	7.71E-07	5.34E-07
Std	8.36E-03	7.69E-03	6.50E-03	3.73E-03	1.01E-03	3.90E-05	1.74E-07	2.10E-07
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ALL								
Min	2.47E-08	5.51E-08	1.11E-07	2.26E-07	4.23E-07	0.00E+00	0.00E+00	0.00E+00
Max	1.93E-01	1.75E-01	1.44E-01	7.28E-02	1.04E-02	3.05E-04	1.26E-06	1.09E-06
Avg	1.31E-03	1.24E-03	1.11E-03	7.57E-04	2.83E-04	1.46E-05	7.71E-07	5.34E-07
Std	8.36E-03	7.69E-03	6.50E-03	3.73E-03	1.01E-03	3.90E-05	1.74E-07	2.10E-07
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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 CM-244.RAD

Cumulative Probability Summary for: Total Dose Over Pathways

Cumulative Probability	Dose(t), mrem/yr							
	t= 0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
0.025	1.53E-02	1.52E-02	1.63E-02	1.70E-02	1.51E-02	1.31E-02	1.12E-02	0.00E+00
0.050	6.30E-02	6.11E-02	5.84E-02	4.88E-02	3.13E-02	1.48E-02	1.16E-02	2.60E-03
0.075	1.08E-01	1.04E-01	9.86E-02	8.48E-02	4.90E-02	1.67E-02	1.19E-02	4.17E-03
0.100	1.54E-01	1.50E-01	1.41E-01	1.15E-01	6.30E-02	1.78E-02	1.21E-02	5.50E-03
0.125	1.90E-01	1.85E-01	1.75E-01	1.45E-01	7.95E-02	1.90E-02	1.23E-02	6.31E-03
0.150	2.56E-01	2.48E-01	2.32E-01	1.83E-01	9.54E-02	1.98E-02	1.25E-02	7.03E-03
0.175	2.78E-01	2.68E-01	2.50E-01	1.97E-01	1.03E-01	2.04E-02	1.26E-02	7.67E-03
0.200	3.01E-01	2.91E-01	2.72E-01	2.13E-01	1.11E-01	2.10E-02	1.27E-02	8.16E-03
0.225	3.23E-01	3.12E-01	2.90E-01	2.28E-01	1.16E-01	2.15E-02	1.28E-02	8.59E-03
0.250	3.39E-01	3.28E-01	3.06E-01	2.39E-01	1.23E-01	2.18E-02	1.29E-02	9.03E-03
0.275	3.50E-01	3.39E-01	3.16E-01	2.49E-01	1.26E-01	2.21E-02	1.30E-02	9.27E-03
0.300	3.63E-01	3.51E-01	3.30E-01	2.57E-01	1.30E-01	2.26E-02	1.30E-02	9.46E-03
0.325	3.77E-01	3.64E-01	3.39E-01	2.66E-01	1.35E-01	2.31E-02	1.31E-02	9.68E-03
0.350	3.93E-01	3.80E-01	3.54E-01	2.77E-01	1.40E-01	2.34E-02	1.32E-02	9.83E-03
0.375	4.05E-01	3.90E-01	3.65E-01	2.88E-01	1.45E-01	2.39E-02	1.32E-02	9.96E-03
0.400	4.29E-01	4.14E-01	3.87E-01	3.04E-01	1.53E-01	2.43E-02	1.32E-02	1.01E-02
0.425	4.52E-01	4.35E-01	4.05E-01	3.21E-01	1.62E-01	2.48E-02	1.33E-02	1.03E-02
0.450	4.81E-01	4.64E-01	4.31E-01	3.37E-01	1.72E-01	2.55E-02	1.33E-02	1.04E-02
0.475	5.15E-01	4.96E-01	4.60E-01	3.62E-01	1.79E-01	2.60E-02	1.34E-02	1.05E-02
0.500	5.45E-01	5.26E-01	4.89E-01	3.78E-01	1.89E-01	2.68E-02	1.34E-02	1.06E-02
0.525	5.89E-01	5.68E-01	5.28E-01	4.07E-01	2.01E-01	2.78E-02	1.35E-02	1.07E-02
0.550	6.52E-01	6.29E-01	5.84E-01	4.55E-01	2.25E-01	2.92E-02	1.35E-02	1.08E-02
0.575	7.27E-01	7.01E-01	6.50E-01	5.05E-01	2.49E-01	3.09E-02	1.36E-02	1.09E-02
0.600	8.32E-01	8.01E-01	7.44E-01	5.73E-01	2.81E-01	3.32E-02	1.37E-02	1.10E-02
0.625	9.75E-01	9.39E-01	8.73E-01	6.75E-01	3.24E-01	3.56E-02	1.37E-02	1.11E-02
0.650	1.12E+00	1.08E+00	1.00E+00	7.72E-01	3.69E-01	3.86E-02	1.38E-02	1.12E-02
0.675	1.28E+00	1.23E+00	1.14E+00	8.77E-01	4.18E-01	4.19E-02	1.38E-02	1.13E-02
0.700	1.45E+00	1.40E+00	1.30E+00	1.00E+00	4.74E-01	4.67E-02	1.38E-02	1.14E-02
0.725	1.75E+00	1.69E+00	1.56E+00	1.21E+00	5.76E-01	5.21E-02	1.39E-02	1.15E-02
0.750	1.97E+00	1.90E+00	1.76E+00	1.35E+00	6.34E-01	5.73E-02	1.40E-02	1.15E-02
0.775	2.50E+00	2.41E+00	2.23E+00	1.71E+00	8.07E-01	6.78E-02	1.41E-02	1.17E-02
0.800	3.02E+00	2.91E+00	2.69E+00	2.06E+00	9.62E-01	7.71E-02	1.41E-02	1.17E-02
0.825	3.76E+00	3.62E+00	3.35E+00	2.56E+00	1.20E+00	9.35E-02	1.42E-02	1.18E-02
0.850	4.89E+00	4.71E+00	4.36E+00	3.33E+00	1.55E+00	1.12E-01	1.43E-02	1.19E-02
0.875	6.36E+00	6.12E+00	5.67E+00	4.33E+00	2.00E+00	1.45E-01	1.44E-02	1.20E-02
0.900	9.22E+00	8.87E+00	8.21E+00	6.27E+00	2.90E+00	2.02E-01	1.45E-02	1.21E-02
0.925	1.40E+01	1.35E+01	1.25E+01	9.52E+00	4.38E+00	2.89E-01	1.46E-02	1.23E-02
0.950	2.38E+01	2.29E+01	2.12E+01	1.61E+01	7.34E+00	4.41E-01	1.48E-02	1.25E-02
0.975	5.24E+01	5.02E+01	4.63E+01	3.47E+01	1.55E+01	8.69E-01	1.51E-02	1.27E-02
1.000	8.58E+02	7.78E+02	6.40E+02	3.24E+02	6.05E+01	1.72E+00	1.69E-02	1.44E-02

Probabilistic results summary : RESRAD Default Parameters

File : C:\USERS\DNF\DOCUMENTS\FT CALHOUN\RESRAD INPUT FILES\BFM INSITU UNCERTAINTY ANALYSIS\FCS BFM INSITU UA CM-244.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	5.37E-04	8.58E+02	8.29E+00	5.59E-01	9.53E+00	2.38E+01	5.72E+01	1.77E+02
1.00E+00	9.71E-04	7.78E+02	7.79E+00	5.39E-01	9.16E+00	2.28E+01	5.49E+01	1.69E+02
1.06E+00	9.95E-04	7.74E+02	7.77E+00	5.37E-01	9.14E+00	2.28E+01	5.48E+01	1.68E+02
1.12E+00	1.02E-03	7.69E+02	7.74E+00	5.36E-01	9.12E+00	2.27E+01	5.47E+01	1.68E+02
1.19E+00	1.05E-03	7.64E+02	7.71E+00	5.35E-01	9.10E+00	2.27E+01	5.45E+01	1.67E+02
1.25E+00	1.08E-03	7.59E+02	7.67E+00	5.34E-01	9.08E+00	2.26E+01	5.44E+01	1.67E+02
1.33E+00	1.11E-03	7.54E+02	7.64E+00	5.32E-01	9.05E+00	2.25E+01	5.42E+01	1.66E+02
1.40E+00	1.14E-03	7.48E+02	7.60E+00	5.31E-01	9.02E+00	2.25E+01	5.41E+01	1.65E+02
1.49E+00	1.18E-03	7.42E+02	7.57E+00	5.29E-01	8.99E+00	2.24E+01	5.39E+01	1.65E+02
1.57E+00	1.21E-03	7.36E+02	7.53E+00	5.27E-01	8.96E+00	2.23E+01	5.37E+01	1.64E+02
1.66E+00	1.25E-03	7.29E+02	7.48E+00	5.26E-01	8.93E+00	2.22E+01	5.35E+01	1.63E+02
1.76E+00	1.29E-03	7.23E+02	7.44E+00	5.24E-01	8.90E+00	2.22E+01	5.33E+01	1.63E+02
1.86E+00	1.33E-03	7.15E+02	7.39E+00	5.22E-01	8.86E+00	2.21E+01	5.31E+01	1.62E+02
1.97E+00	1.38E-03	7.08E+02	7.35E+00	5.20E-01	8.83E+00	2.20E+01	5.28E+01	1.61E+02
2.09E+00	1.42E-03	7.00E+02	7.30E+00	5.17E-01	8.79E+00	2.19E+01	5.26E+01	1.60E+02
2.21E+00	1.47E-03	6.92E+02	7.24E+00	5.15E-01	8.75E+00	2.18E+01	5.23E+01	1.59E+02
2.24E+00	1.53E-03	6.83E+02	7.19E+00	5.13E-01	8.70E+00	2.17E+01	5.21E+01	1.58E+02
2.27E+00	1.58E-03	6.74E+02	7.13E+00	5.10E-01	8.66E+00	2.16E+01	5.18E+01	1.57E+02
2.26E+00	1.64E-03	6.65E+02	7.07E+00	5.07E-01	8.61E+00	2.14E+01	5.15E+01	1.56E+02
2.27E+00	1.70E-03	6.55E+02	7.00E+00	5.05E-01	8.56E+00	2.13E+01	5.12E+01	1.55E+02
2.93E+00	1.76E-03	6.45E+02	6.93E+00	5.02E-01	8.51E+00	2.12E+01	5.08E+01	1.54E+02
3.00E+00	1.79E-03	6.40E+02	6.91E+00	5.00E-01	8.49E+00	2.11E+01	5.07E+01	1.54E+02
3.31E+00	1.83E-03	6.34E+02	6.86E+00	4.99E-01	8.45E+00	2.10E+01	5.05E+01	1.53E+02
3.32E+00	1.90E-03	6.23E+02	6.79E+00	4.95E-01	8.39E+00	2.09E+01	5.01E+01	1.52E+02
3.48E+00	1.98E-03	6.11E+02	6.71E+00	4.92E-01	8.33E+00	2.07E+01	4.97E+01	1.50E+02
3.68E+00	2.05E-03	5.99E+02	6.63E+00	4.88E-01	8.27E+00	2.06E+01	4.93E+01	1.49E+02
3.89E+00	2.14E-03	5.87E+02	6.55E+00	4.84E-01	8.20E+00	2.04E+01	4.89E+01	1.47E+02
4.12E+00	2.22E-03	5.74E+02	6.46E+00	4.80E-01	8.13E+00	2.02E+01	4.85E+01	1.46E+02
4.36E+00	2.31E-03	5.61E+02	6.37E+00	4.76E-01	8.05E+00	2.00E+01	4.80E+01	1.44E+02
4.61E+00	2.41E-03	5.47E+02	6.27E+00	4.72E-01	7.98E+00	1.98E+01	4.75E+01	1.43E+02
4.88E+00	2.50E-03	5.33E+02	6.18E+00	4.67E-01	7.89E+00	1.96E+01	4.70E+01	1.41E+02
5.17E+00	2.61E-03	5.19E+02	6.07E+00	4.62E-01	7.81E+00	1.94E+01	4.65E+01	1.39E+02
5.47E+00	2.72E-03	5.04E+02	5.97E+00	4.57E-01	7.72E+00	1.92E+01	4.59E+01	1.37E+02
5.78E+00	2.83E-03	4.88E+02	5.86E+00	4.52E-01	7.62E+00	1.89E+01	4.53E+01	1.35E+02
6.12E+00	2.95E-03	4.72E+02	5.75E+00	4.46E-01	7.53E+00	1.87E+01	4.47E+01	1.33E+02
6.48E+00	3.07E-03	4.56E+02	5.63E+00	4.41E-01	7.42E+00	1.84E+01	4.41E+01	1.31E+02
6.86E+00	3.20E-03	4.40E+02	5.51E+00	4.34E-01	7.32E+00	1.81E+01	4.34E+01	1.28E+02
7.26E+00	3.34E-03	4.23E+02	5.38E+00	4.28E-01	7.21E+00	1.79E+01	4.27E+01	1.26E+02
7.68E+00	3.48E-03	4.06E+02	5.25E+00	4.22E-01	7.09E+00	1.76E+01	4.20E+01	1.24E+02
8.13E+00	3.62E-03	3.89E+02	5.12E+00	4.15E-01	6.97E+00	1.73E+01	4.13E+01	1.21E+02
8.60E+00	3.77E-03	3.71E+02	4.99E+00	4.08E-01	6.84E+00	1.69E+01	4.05E+01	1.19E+02
9.10E+00	3.93E-03	3.53E+02	4.85E+00	4.01E-01	6.71E+00	1.66E+01	3.97E+01	1.16E+02
9.63E+00	4.09E-03	3.36E+02	4.71E+00	3.94E-01	6.58E+00	1.63E+01	3.89E+01	1.13E+02
1.00E+01	4.21E-03	3.24E+02	4.61E+00	3.89E-01	6.48E+00	1.60E+01	3.83E+01	1.11E+02
1.02E+01	4.26E-03	3.18E+02	4.56E+00	3.86E-01	6.44E+00	1.59E+01	3.80E+01	1.10E+02
1.08E+01	4.44E-03	3.00E+02	4.41E+00	3.78E-01	6.29E+00	1.55E+01	3.71E+01	1.07E+02
1.14E+01	4.62E-03	2.82E+02	4.26E+00	3.70E-01	6.14E+00	1.52E+01	3.62E+01	1.04E+02
1.21E+01	4.81E-03	2.64E+02	4.11E+00	3.61E-01	5.99E+00	1.48E+01	3.52E+01	1.01E+02
1.28E+01	5.00E-03	2.47E+02	3.96E+00	3.52E-01	5.83E+00	1.44E+01	3.42E+01	9.76E+01
1.35E+01	5.20E-03	2.30E+02	3.80E+00	3.43E-01	5.66E+00	1.40E+01	3.32E+01	9.43E+01
1.43E+01	5.40E-03	2.13E+02	3.64E+00	3.34E-01	5.49E+00	1.35E+01	3.21E+01	9.09E+01
1.51E+01	5.61E-03	1.96E+02	3.49E+00	3.24E-01	5.32E+00	1.31E+01	3.11E+01	8.75E+01
1.60E+01	5.82E-03	1.80E+02	3.33E+00	3.14E-01	5.14E+00	1.27E+01	3.00E+01	8.40E+01
1.70E+01	6.04E-03	1.64E+02	3.17E+00	3.03E-01	4.96E+00	1.22E+01	2.89E+01	8.04E+01
1.80E+01	6.27E-03	1.49E+02	3.01E+00	2.92E-01	4.78E+00	1.17E+01	2.77E+01	7.68E+01
1.90E+01	6.49E-03	1.35E+02	2.85E+00	2.82E-01	4.59E+00	1.13E+01	2.66E+01	7.32E+01

2.01E+01 6.72E-03 1.21E+02 2.70E+00 2.71E-01 4.40E+00 1.08E+01 2.54E+01 6.95E+01

2.13E+01 6.95E-03 1.08E+02 2.54E+00 2.59E-01 4.20E+00 1.03E+01 2.42E+01 6.58E+01

2.25E+01 7.19E-03 9.56E+01 2.39E+00 2.48E-01 4.01E+00 9.81E+00 2.30E+01 6.22E+01

2.38E+01 7.43E-03 8.41E+01 2.24E+00 2.37E-01 3.81E+00 9.31E+00 2.18E+01 5.85E+01

2.52E+01 7.66E-03 7.35E+01 2.09E+00 2.25E-01 3.61E+00 8.82E+00 2.06E+01 5.48E+01

2.67E+01 7.90E-03 6.37E+01 1.95E+00 2.14E-01 3.41E+00 8.33E+00 1.94E+01 5.12E+01

2.82E+01 8.14E-03 5.47E+01 1.81E+00 2.02E-01 3.21E+00 7.83E+00 1.83E+01 4.77E+01

2.99E+01 8.38E-03 4.81E+01 1.67E+00 1.91E-01 3.02E+00 7.34E+00 1.71E+01 4.42E+01

3.00E+01 8.39E-03 4.78E+01 1.66E+00 1.90E-01 3.00E+00 7.31E+00 1.70E+01 4.39E+01

3.16E+01 8.61E-03 4.36E+01 1.54E+00 1.79E-01 2.82E+00 6.86E+00 1.59E+01 3.92E+01

3.35E+01 8.84E-03 3.93E+01 1.41E+00 1.68E-01 2.63E+00 6.38E+00 1.48E+01 3.28E+01

3.54E+01 9.07E-03 3.53E+01 1.29E+00 1.59E-01 2.44E+00 5.91E+00 1.36E+01 2.72E+01

3.75E+01 9.29E-03 3.14E+01 1.18E+00 1.48E-01 2.25E+00 5.45E+00 1.25E+01 2.40E+01

3.97E+01 9.50E-03 2.81E+01 1.07E+00 1.37E-01 2.07E+00 5.00E+00 1.15E+01 2.18E+01

4.20E+01 9.71E-03 2.53E+01 9.63E-01 1.27E-01 1.89E+00 4.57E+00 1.05E+01 1.97E+01

4.44E+01 9.91E-03 2.26E+01 8.65E-01 1.16E-01 1.72E+00 4.15E+00 9.47E+00 1.77E+01

4.70E+01 1.01E-02 2.00E+01 7.73E-01 1.07E-01 1.56E+00 3.75E+00 8.28E+00 1.58E+01

4.97E+01 1.03E-02 1.76E+01 6.87E-01 9.74E-02 1.40E+00 3.37E+00 6.88E+00 1.41E+01

5.26E+01 1.05E-02 1.54E+01 6.07E-01 8.88E-02 1.26E+00 3.01E+00 6.12E+00 1.24E+01

5.57E+01 1.06E-02 1.34E+01 5.33E-01 8.08E-02 1.12E+00 2.67E+00 5.41E+00 1.08E+01

5.90E+01 1.08E-02 1.15E+01 4.65E-01 7.33E-02 9.85E-01 2.35E+00 4.75E+00 9.38E+00

2.24E+01 1.09E-02 9.81E+00 4.04E-01 6.62E-02 8.64E-01 1.96E+00 4.14E+00 7.74E+00

6.0E+01 1.10E-02 8.29E+00 3.48E-01 5.95E-02 7.52E-01 1.60E+00 3.58E+00 6.31E+00

99E+01 1.12E-02 6.93E+00 2.98E-01 5.33E-02 6.50E-01 1.38E+00 3.07E+00 5.09E+00

7.39E+01 1.13E-02 5.74E+00 2.53E-01 4.77E-02 5.57E-01 1.17E+00 2.61E+00 4.05E+00

7.82E+01 1.14E-02 4.70E+00 2.14E-01 4.28E-02 4.42E-01 9.89E-01 2.19E+00 3.21E+00

8.28E+01 1.14E-02 3.81E+00 1.79E-01 3.85E-02 3.71E-01 8.27E-01 1.83E+00 2.64E+00

8.76E+01 1.15E-02 3.05E+00 1.49E-01 3.45E-02 3.10E-01 6.84E-01 1.51E+00 2.15E+00

9.27E+01 1.16E-02 2.41E+00 1.23E-01 3.11E-02 2.56E-01 5.61E-01 1.23E+00 1.73E+00

9.81E+01 1.16E-02 1.87E+00 1.02E-01 2.80E-02 2.10E-01 4.54E-01 9.93E-01 1.38E+00

1.00E+02 1.16E-02 1.72E+00 9.50E-02 2.72E-02 1.96E-01 4.23E-01 9.22E-01 1.27E+00

1.04E+02 1.16E-02 1.44E+00 8.31E-02 2.54E-02 1.71E-01 3.64E-01 7.70E-01 1.08E+00

1.10E+02 1.17E-02 1.09E+00 6.79E-02 2.31E-02 1.38E-01 2.89E-01 5.78E-01 8.36E-01

1.16E+02 1.17E-02 8.12E-01 5.54E-02 2.11E-02 1.11E-01 2.27E-01 4.28E-01 6.39E-01

1.23E+02 1.04E-02 5.96E-01 4.54E-02 1.96E-02 8.82E-02 1.76E-01 3.25E-01 4.81E-01

1.30E+02 7.74E-03 4.37E-01 3.74E-02 1.83E-02 7.01E-02 1.36E-01 2.47E-01 3.57E-01

1.38E+02 6.36E-03 3.17E-01 3.11E-02 1.74E-02 5.57E-02 1.04E-01 1.85E-01 2.61E-01

1.46E+02 5.67E-03 2.27E-01 2.63E-02 1.67E-02 4.44E-02 7.95E-02 1.35E-01 1.89E-01

1.54E+02 5.33E-03 1.61E-01 2.26E-02 1.61E-02 3.58E-02 6.01E-02 9.89E-02 1.35E-01

1.63E+02 5.17E-03 1.13E-01 1.99E-02 1.54E-02 2.93E-02 4.60E-02 7.22E-02 9.55E-02

1.73E+02 5.09E-03 7.88E-02 1.79E-02 1.50E-02 2.44E-02 3.57E-02 5.31E-02 6.74E-02

1.83E+02 5.05E-03 5.52E-02 1.65E-02 1.47E-02 2.11E-02 2.85E-02 3.96E-02 4.79E-02

1.94E+02 5.03E-03 3.93E-02 1.55E-02 1.45E-02 1.84E-02 2.33E-02 3.02E-02 3.56E-02

2.05E+02 5.01E-03 2.88E-02 1.48E-02 1.43E-02 1.68E-02 1.98E-02 2.29E-02 2.71E-02

2.17E+02 4.99E-03 2.34E-02 1.43E-02 1.41E-02 1.61E-02 1.72E-02 1.89E-02 2.19E-02

2.29E+02 4.97E-03 1.99E-02 1.40E-02 1.39E-02 1.55E-02 1.61E-02 1.66E-02 1.85E-02

2.43E+02 4.95E-03 1.77E-02 1.38E-02 1.38E-02 1.51E-02 1.54E-02 1.60E-02 1.65E-02

2.57E+02 4.93E-03 1.63E-02 1.36E-02 1.37E-02 1.48E-02 1.51E-02 1.57E-02 1.61E-02

2.72E+02 4.91E-03 1.61E-02 1.35E-02 1.36E-02 1.46E-02 1.50E-02 1.53E-02 1.60E-02

2.88E+02 4.89E-03 1.60E-02 1.34E-02 1.35E-02 1.46E-02 1.49E-02 1.52E-02 1.59E-02

3.00E+02 4.28E-03 1.60E-02 1.33E-02 1.35E-02 1.45E-02 1.49E-02 1.51E-02 1.58E-02

3.05E+02 2.85E-03 1.60E-02 1.33E-02 1.34E-02 1.45E-02 1.48E-02 1.51E-02 1.58E-02

3.22E+02 0.00E+00 1.59E-02 1.32E-02 1.34E-02 1.44E-02 1.48E-02 1.51E-02 1.58E-02

3.41E+02 0.00E+00 1.59E-02 1.32E-02 1.33E-02 1.43E-02 1.47E-02 1.50E-02 1.57E-02

3.61E+02 0.00E+00 1.58E-02 1.31E-02 1.32E-02 1.43E-02 1.46E-02 1.51E-02 1.54E-02

3.82E+02 0.00E+00 1.58E-02 1.30E-02 1.32E-02 1.42E-02 1.46E-02 1.51E-02 1.53E-02

4.04E+02 0.00E+00 1.57E-02 1.29E-02 1.31E-02 1.42E-02 1.45E-02 1.49E-02 1.52E-02

4.28E+02 0.00E+00 1.57E-02 1.28E-02 1.30E-02 1.41E-02 1.45E-02 1.47E-02 1.52E-02

4.53E+02 0.00E+00 1.56E-02 1.26E-02 1.29E-02 1.39E-02 1.43E-02 1.46E-02 1.52E-02

4.79E+02 0.00E+00 1.56E-02 1.25E-02 1.28E-02 1.38E-02 1.43E-02 1.45E-02 1.52E-02

5.07E+02 0.00E+00 1.55E-02 1.24E-02 1.27E-02 1.37E-02 1.42E-02 1.44E-02 1.51E-02

5.36E+02 0.00E+00 1.54E-02 1.22E-02 1.25E-02 1.36E-02 1.42E-02 1.43E-02 1.49E-02

5.68E+02 0.00E+00 1.54E-02 1.20E-02 1.24E-02 1.35E-02 1.41E-02 1.42E-02 1.48E-02

0.01E+02 0.00E+00 1.53E-02 1.19E-02 1.23E-02 1.34E-02 1.39E-02 1.41E-02 1.47E-02

6.36E+02 0.00E+00 1.52E-02 1.17E-02 1.22E-02 1.33E-02 1.37E-02 1.40E-02 1.46E-02

6.73E+02 0.00E+00 1.51E-02 1.15E-02 1.20E-02 1.32E-02 1.37E-02 1.39E-02 1.45E-02

7.12E+02 0.00E+00 1.50E-02 1.12E-02 1.19E-02 1.31E-02 1.36E-02 1.38E-02 1.43E-02

7.53E+02 0.00E+00 1.50E-02 1.10E-02 1.17E-02 1.30E-02 1.34E-02 1.37E-02 1.42E-02

7.97E+02 0.00E+00 1.49E-02 1.07E-02 1.15E-02 1.28E-02 1.33E-02 1.36E-02 1.40E-02

8.44E+02 0.00E+00 1.48E-02 1.05E-02 1.13E-02 1.27E-02 1.32E-02 1.34E-02 1.39E-02

93E+02 0.00E+00 1.47E-02 1.02E-02 1.10E-02 1.25E-02 1.29E-02 1.32E-02 1.37E-02

9.45E+02 0.00E+00 1.46E-02 9.90E-03 1.08E-02 1.23E-02 1.27E-02 1.31E-02 1.35E-02

1.00E+03 0.00E+00 1.44E-02 9.60E-03 1.06E-02 1.21E-02 1.25E-02 1.29E-02 1.34E-02

Probabilistic results summary : RESRAD Default Parameters

File : C:\USERS\DNF\DOCUMENTS\FT CALHOUN\RESRAD INPUT FILES\BFM INSITU UNCERTAINTY ANALYSIS\FCS BFM INSITU UA CM-244.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	2.44E-03	7.48E+02	7.68E+00	5.23E-01	9.22E+00	2.55E+01	5.99E+01	1.51E+02
1.00E+00	2.85E-03	6.84E+02	7.25E+00	5.04E-01	8.87E+00	2.45E+01	5.74E+01	1.44E+02
1.06E+00	2.88E-03	6.80E+02	7.23E+00	5.03E-01	8.85E+00	2.44E+01	5.73E+01	1.44E+02
1.12E+00	2.90E-03	6.77E+02	7.20E+00	5.02E-01	8.83E+00	2.44E+01	5.71E+01	1.44E+02
1.19E+00	2.93E-03	6.73E+02	7.17E+00	5.01E-01	8.80E+00	2.43E+01	5.69E+01	1.43E+02
1.25E+00	2.96E-03	6.69E+02	7.15E+00	4.99E-01	8.78E+00	2.43E+01	5.68E+01	1.43E+02
1.33E+00	2.99E-03	6.64E+02	7.12E+00	4.98E-01	8.76E+00	2.42E+01	5.66E+01	1.42E+02
1.40E+00	3.02E-03	6.60E+02	7.09E+00	4.97E-01	8.73E+00	2.41E+01	5.64E+01	1.42E+02
1.49E+00	3.05E-03	6.55E+02	7.05E+00	4.95E-01	8.70E+00	2.40E+01	5.62E+01	1.41E+02
1.57E+00	3.08E-03	6.50E+02	7.02E+00	4.94E-01	8.67E+00	2.39E+01	5.60E+01	1.41E+02
1.66E+00	3.12E-03	6.45E+02	6.98E+00	4.92E-01	8.64E+00	2.39E+01	5.58E+01	1.40E+02
1.76E+00	3.16E-03	6.39E+02	6.94E+00	4.90E-01	8.61E+00	2.38E+01	5.56E+01	1.39E+02
1.86E+00	3.20E-03	6.33E+02	6.90E+00	4.88E-01	8.58E+00	2.37E+01	5.53E+01	1.39E+02
1.97E+00	3.24E-03	6.27E+02	6.86E+00	4.87E-01	8.54E+00	2.36E+01	5.51E+01	1.38E+02
2.09E+00	3.29E-03	6.21E+02	6.82E+00	4.85E-01	8.50E+00	2.35E+01	5.48E+01	1.37E+02
2.21E+00	3.33E-03	6.14E+02	6.77E+00	4.82E-01	8.46E+00	2.33E+01	5.45E+01	1.37E+02
2.24E+00	3.38E-03	6.07E+02	6.72E+00	4.80E-01	8.42E+00	2.32E+01	5.42E+01	1.36E+02
2.27E+00	3.44E-03	5.99E+02	6.67E+00	4.78E-01	8.38E+00	2.31E+01	5.39E+01	1.35E+02
2.26E+00	3.49E-03	5.92E+02	6.62E+00	4.75E-01	8.33E+00	2.30E+01	5.36E+01	1.34E+02
2.27E+00	3.55E-03	5.84E+02	6.56E+00	4.73E-01	8.28E+00	2.28E+01	5.32E+01	1.33E+02
2.29E+00	3.61E-03	5.75E+02	6.50E+00	4.70E-01	8.23E+00	2.27E+01	5.29E+01	1.32E+02
3.00E+00	3.64E-03	5.72E+02	6.48E+00	4.69E-01	8.21E+00	2.26E+01	5.27E+01	1.32E+02
3.31E+00	3.67E-03	5.67E+02	6.44E+00	4.67E-01	8.18E+00	2.25E+01	5.25E+01	1.31E+02
3.32E+00	3.74E-03	5.58E+02	6.37E+00	4.64E-01	8.12E+00	2.24E+01	5.21E+01	1.30E+02
3.48E+00	3.81E-03	5.48E+02	6.31E+00	4.61E-01	8.06E+00	2.22E+01	5.17E+01	1.29E+02
3.68E+00	3.89E-03	5.38E+02	6.24E+00	4.57E-01	8.00E+00	2.20E+01	5.12E+01	1.28E+02
3.89E+00	3.96E-03	5.28E+02	6.16E+00	4.54E-01	7.93E+00	2.18E+01	5.08E+01	1.26E+02
4.12E+00	4.05E-03	5.17E+02	6.09E+00	4.50E-01	7.86E+00	2.16E+01	5.03E+01	1.25E+02
4.36E+00	4.13E-03	5.06E+02	6.01E+00	4.46E-01	7.79E+00	2.14E+01	4.98E+01	1.24E+02
4.61E+00	4.22E-03	4.95E+02	5.92E+00	4.42E-01	7.71E+00	2.12E+01	4.92E+01	1.22E+02
4.88E+00	4.32E-03	4.83E+02	5.84E+00	4.38E-01	7.63E+00	2.10E+01	4.87E+01	1.21E+02
5.17E+00	4.42E-03	4.71E+02	5.75E+00	4.33E-01	7.55E+00	2.08E+01	4.81E+01	1.19E+02
5.47E+00	4.52E-03	4.59E+02	5.65E+00	4.30E-01	7.46E+00	2.05E+01	4.75E+01	1.18E+02
5.78E+00	4.63E-03	4.46E+02	5.55E+00	4.26E-01	7.37E+00	2.03E+01	4.68E+01	1.16E+02
6.12E+00	4.74E-03	4.32E+02	5.45E+00	4.21E-01	7.28E+00	2.00E+01	4.62E+01	1.14E+02
6.48E+00	4.86E-03	4.19E+02	5.35E+00	4.15E-01	7.18E+00	1.97E+01	4.55E+01	1.12E+02
6.86E+00	4.98E-03	4.05E+02	5.24E+00	4.10E-01	7.07E+00	1.94E+01	4.48E+01	1.10E+02
7.26E+00	5.11E-03	3.91E+02	5.13E+00	4.04E-01	6.96E+00	1.91E+01	4.40E+01	1.08E+02
7.68E+00	5.24E-03	3.76E+02	5.01E+00	3.98E-01	6.85E+00	1.88E+01	4.32E+01	1.06E+02
8.13E+00	5.38E-03	3.61E+02	4.89E+00	3.91E-01	6.73E+00	1.85E+01	4.24E+01	1.04E+02
8.60E+00	5.53E-03	3.46E+02	4.77E+00	3.85E-01	6.61E+00	1.81E+01	4.16E+01	1.02E+02
9.10E+00	5.68E-03	3.31E+02	4.65E+00	3.78E-01	6.49E+00	1.78E+01	4.07E+01	9.97E+01
9.63E+00	5.83E-03	3.16E+02	4.52E+00	3.72E-01	6.35E+00	1.74E+01	3.98E+01	9.73E+01
1.00E+01	5.94E-03	3.06E+02	4.43E+00	3.68E-01	6.26E+00	1.71E+01	3.92E+01	9.57E+01
1.02E+01	5.99E-03	3.00E+02	4.39E+00	3.65E-01	6.22E+00	1.70E+01	3.88E+01	9.49E+01
1.08E+01	6.16E-03	2.85E+02	4.25E+00	3.57E-01	6.08E+00	1.66E+01	3.79E+01	9.23E+01
1.14E+01	6.33E-03	2.69E+02	4.11E+00	3.49E-01	5.93E+00	1.62E+01	3.69E+01	8.97E+01
1.21E+01	6.51E-03	2.54E+02	3.97E+00	3.41E-01	5.78E+00	1.58E+01	3.59E+01	8.70E+01
1.28E+01	6.69E-03	2.38E+02	3.83E+00	3.32E-01	5.63E+00	1.54E+01	3.48E+01	8.43E+01
1.35E+01	6.88E-03	2.23E+02	3.69E+00	3.24E-01	5.47E+00	1.49E+01	3.37E+01	8.15E+01
1.43E+01	7.08E-03	2.08E+02	3.54E+00	3.15E-01	5.30E+00	1.45E+01	3.26E+01	7.86E+01
1.51E+01	7.28E-03	1.93E+02	3.39E+00	3.05E-01	5.13E+00	1.40E+01	3.15E+01	7.56E+01
1.60E+01	7.48E-03	1.78E+02	3.25E+00	2.96E-01	4.96E+00	1.35E+01	3.03E+01	7.27E+01
1.70E+01	7.69E-03	1.64E+02	3.10E+00	2.86E-01	4.79E+00	1.30E+01	2.91E+01	6.96E+01
1.80E+01	7.90E-03	1.50E+02	2.95E+00	2.77E-01	4.61E+00	1.25E+01	2.79E+01	6.65E+01
1.90E+01	8.12E-03	1.37E+02	2.80E+00	2.68E-01	4.43E+00	1.20E+01	2.67E+01	6.34E+01

2.01E+01 8.34E-03 1.24E+02 2.65E+00 2.57E-01 4.24E+00 1.15E+01 2.55E+01 6.03E+01

2.13E+01 8.56E-03 1.11E+02 2.50E+00 2.47E-01 4.05E+00 1.10E+01 2.43E+01 5.72E+01

2.25E+01 8.78E-03 9.97E+01 2.36E+00 2.36E-01 3.86E+00 1.04E+01 2.30E+01 5.40E+01

2.38E+01 9.01E-03 8.87E+01 2.21E+00 2.26E-01 3.67E+00 9.92E+00 2.18E+01 5.09E+01

2.52E+01 9.23E-03 7.83E+01 2.07E+00 2.15E-01 3.48E+00 9.39E+00 2.05E+01 4.78E+01

2.67E+01 9.46E-03 6.87E+01 1.93E+00 2.04E-01 3.29E+00 8.86E+00 1.93E+01 4.47E+01

2.82E+01 9.69E-03 5.97E+01 1.80E+00 1.94E-01 3.10E+00 8.33E+00 1.81E+01 4.16E+01

2.99E+01 9.91E-03 5.16E+01 1.67E+00 1.83E-01 2.91E+00 7.80E+00 1.68E+01 3.86E+01

3.00E+01 9.93E-03 5.10E+01 1.66E+00 1.83E-01 2.90E+00 7.77E+00 1.68E+01 3.84E+01

3.16E+01 1.01E-02 4.41E+01 1.54E+00 1.73E-01 2.72E+00 7.28E+00 1.56E+01 3.56E+01

3.35E+01 1.04E-02 3.86E+01 1.41E+00 1.62E-01 2.53E+00 6.77E+00 1.45E+01 3.28E+01

3.54E+01 1.06E-02 3.50E+01 1.29E+00 1.52E-01 2.35E+00 6.27E+00 1.33E+01 3.00E+01

3.75E+01 1.08E-02 3.15E+01 1.18E+00 1.41E-01 2.17E+00 5.78E+00 1.22E+01 2.61E+01

3.97E+01 1.10E-02 2.82E+01 1.07E+00 1.31E-01 2.00E+00 5.30E+00 1.11E+01 2.15E+01

4.20E+01 1.12E-02 2.51E+01 9.67E-01 1.21E-01 1.83E+00 4.84E+00 1.01E+01 1.94E+01

4.44E+01 1.14E-02 2.22E+01 8.69E-01 1.12E-01 1.66E+00 4.39E+00 9.09E+00 1.75E+01

4.70E+01 1.16E-02 1.95E+01 7.77E-01 1.03E-01 1.51E+00 3.96E+00 8.15E+00 1.56E+01

4.97E+01 1.17E-02 1.70E+01 6.91E-01 9.44E-02 1.36E+00 3.56E+00 7.26E+00 1.39E+01

5.26E+01 1.19E-02 1.47E+01 6.11E-01 8.62E-02 1.21E+00 3.17E+00 6.35E+00 1.23E+01

5.57E+01 1.21E-02 1.26E+01 5.37E-01 7.85E-02 1.08E+00 2.81E+00 5.30E+00 1.08E+01

5.90E+01 1.21E-02 1.07E+01 4.70E-01 7.11E-02 9.53E-01 2.47E+00 4.64E+00 9.38E+00

6.24E+01 1.21E-02 9.03E+00 4.08E-01 6.42E-02 8.36E-01 2.16E+00 4.04E+00 8.10E+00

6.0E+01 1.22E-02 7.52E+00 3.52E-01 5.78E-02 7.28E-01 1.87E+00 3.49E+00 6.94E+00

99E+01 1.22E-02 6.23E+00 3.01E-01 5.21E-02 6.29E-01 1.45E+00 2.99E+00 5.89E+00

7.39E+01 1.22E-02 5.17E+00 2.56E-01 4.68E-02 5.39E-01 1.23E+00 2.53E+00 4.95E+00

7.82E+01 1.22E-02 4.25E+00 2.16E-01 4.19E-02 4.58E-01 1.04E+00 2.13E+00 4.07E+00

8.28E+01 1.22E-02 3.45E+00 1.81E-01 3.75E-02 3.86E-01 8.75E-01 1.77E+00 3.24E+00

8.76E+01 1.21E-02 2.77E+00 1.51E-01 3.35E-02 3.18E-01 7.27E-01 1.46E+00 2.54E+00

9.27E+01 1.21E-02 2.23E+00 1.25E-01 3.01E-02 2.63E-01 5.98E-01 1.18E+00 1.97E+00

9.81E+01 1.21E-02 1.77E+00 1.03E-01 2.72E-02 2.16E-01 4.86E-01 9.44E-01 1.51E+00

1.00E+02 1.21E-02 1.63E+00 9.62E-02 2.64E-02 2.02E-01 4.53E-01 8.73E-01 1.37E+00

1.04E+02 1.21E-02 1.39E+00 8.41E-02 2.47E-02 1.76E-01 3.92E-01 7.44E-01 1.14E+00

1.10E+02 1.21E-02 1.07E+00 6.87E-02 2.28E-02 1.42E-01 3.12E-01 5.78E-01 8.89E-01

1.16E+02 1.21E-02 8.20E-01 5.60E-02 2.10E-02 1.14E-01 2.46E-01 4.43E-01 6.83E-01

1.23E+02 1.21E-02 6.17E-01 4.58E-02 1.95E-02 9.08E-02 1.92E-01 3.36E-01 5.18E-01

1.30E+02 1.20E-02 4.57E-01 3.77E-02 1.81E-02 7.19E-02 1.48E-01 2.51E-01 3.87E-01

1.38E+02 9.11E-03 3.34E-01 3.13E-02 1.73E-02 5.72E-02 1.14E-01 1.86E-01 2.85E-01

1.46E+02 7.42E-03 2.41E-01 2.64E-02 1.65E-02 4.56E-02 8.68E-02 1.38E-01 2.04E-01

1.54E+02 6.55E-03 1.71E-01 2.27E-02 1.59E-02 3.67E-02 6.61E-02 9.79E-02 1.42E-01

1.63E+02 6.13E-03 1.21E-01 2.00E-02 1.54E-02 2.99E-02 5.06E-02 6.87E-02 9.77E-02

1.73E+02 5.93E-03 8.45E-02 1.80E-02 1.51E-02 2.49E-02 3.91E-02 5.08E-02 6.71E-02

1.83E+02 5.83E-03 5.94E-02 1.65E-02 1.48E-02 2.11E-02 3.08E-02 3.82E-02 4.76E-02

1.94E+02 5.78E-03 4.24E-02 1.55E-02 1.45E-02 1.84E-02 2.43E-02 2.94E-02 3.64E-02

2.05E+02 5.75E-03 3.11E-02 1.48E-02 1.43E-02 1.67E-02 1.99E-02 2.33E-02 2.88E-02

2.17E+02 5.73E-03 2.38E-02 1.43E-02 1.41E-02 1.60E-02 1.75E-02 1.88E-02 2.27E-02

2.29E+02 5.72E-03 2.06E-02 1.40E-02 1.40E-02 1.54E-02 1.61E-02 1.66E-02 1.86E-02

2.43E+02 5.70E-03 1.86E-02 1.38E-02 1.38E-02 1.51E-02 1.54E-02 1.60E-02 1.64E-02

2.57E+02 5.68E-03 1.75E-02 1.36E-02 1.37E-02 1.48E-02 1.51E-02 1.55E-02 1.62E-02

2.72E+02 3.49E-03 1.69E-02 1.35E-02 1.36E-02 1.46E-02 1.50E-02 1.54E-02 1.61E-02

2.88E+02 0.00E+00 1.69E-02 1.34E-02 1.35E-02 1.46E-02 1.49E-02 1.54E-02 1.60E-02

3.00E+02 0.00E+00 1.69E-02 1.33E-02 1.34E-02 1.45E-02 1.49E-02 1.53E-02 1.59E-02

3.05E+02 0.00E+00 1.69E-02 1.33E-02 1.34E-02 1.45E-02 1.49E-02 1.53E-02 1.59E-02

3.22E+02 0.00E+00 1.68E-02 1.32E-02 1.34E-02 1.44E-02 1.48E-02 1.51E-02 1.58E-02

3.41E+02 0.00E+00 1.66E-02 1.31E-02 1.33E-02 1.44E-02 1.47E-02 1.51E-02 1.57E-02

3.61E+02 0.00E+00 1.65E-02 1.30E-02 1.32E-02 1.43E-02 1.46E-02 1.49E-02 1.56E-02

3.82E+02 0.00E+00 1.63E-02 1.29E-02 1.32E-02 1.42E-02 1.45E-02 1.50E-02 1.55E-02

4.04E+02 0.00E+00 1.62E-02 1.28E-02 1.31E-02 1.41E-02 1.44E-02 1.47E-02 1.54E-02

4.28E+02 0.00E+00 1.60E-02 1.27E-02 1.30E-02 1.40E-02 1.43E-02 1.47E-02 1.53E-02

4.53E+02 0.00E+00 1.59E-02 1.26E-02 1.29E-02 1.40E-02 1.42E-02 1.46E-02 1.52E-02

4.79E+02 0.00E+00 1.57E-02 1.25E-02 1.28E-02 1.39E-02 1.42E-02 1.45E-02 1.50E-02

5.07E+02 0.00E+00 1.55E-02 1.24E-02 1.27E-02 1.37E-02 1.41E-02 1.43E-02 1.49E-02

5.36E+02 0.00E+00 1.53E-02 1.22E-02 1.25E-02 1.36E-02 1.40E-02 1.42E-02 1.47E-02

5.68E+02 0.00E+00 1.52E-02 1.20E-02 1.24E-02 1.35E-02 1.39E-02 1.42E-02 1.46E-02

0.01E+02 0.00E+00 1.51E-02 1.19E-02 1.23E-02 1.34E-02 1.38E-02 1.41E-02 1.46E-02

6.36E+02 0.00E+00 1.49E-02 1.17E-02 1.21E-02 1.33E-02 1.36E-02 1.41E-02 1.45E-02

6.73E+02 0.00E+00 1.48E-02 1.15E-02 1.20E-02 1.31E-02 1.35E-02 1.39E-02 1.44E-02

7.12E+02 0.00E+00 1.46E-02 1.13E-02 1.18E-02 1.30E-02 1.34E-02 1.36E-02 1.42E-02

7.53E+02 0.00E+00 1.45E-02 1.11E-02 1.16E-02 1.29E-02 1.32E-02 1.35E-02 1.40E-02

7.97E+02 0.00E+00 1.43E-02 1.08E-02 1.14E-02 1.27E-02 1.31E-02 1.33E-02 1.37E-02

8.44E+02 0.00E+00 1.41E-02 1.06E-02 1.12E-02 1.26E-02 1.30E-02 1.32E-02 1.35E-02

93E+02 0.00E+00 1.40E-02 1.03E-02 1.10E-02 1.25E-02 1.28E-02 1.29E-02 1.31E-02

9.45E+02 0.00E+00 1.38E-02 1.00E-02 1.08E-02 1.23E-02 1.27E-02 1.28E-02 1.30E-02

1.00E+03 0.00E+00 1.36E-02 9.73E-03 1.05E-02 1.21E-02 1.25E-02 1.26E-02 1.28E-02

Probabilistic results summary : RESRAD Default Parameters

File : C:\USERS\DNF\DOCUMENTS\FT CALHOUN\RESRAD INPUT FILES\BFM INSITU UNCERTAINTY ANALYSIS\FCS BFM INSITU UA CM-244.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	1.55E-03	4.35E+02	6.68E+00	5.50E-01	9.41E+00	2.60E+01	6.02E+01	1.45E+02
1.00E+00	1.97E-03	4.07E+02	6.37E+00	5.31E-01	9.05E+00	2.49E+01	5.78E+01	1.38E+02
1.06E+00	1.99E-03	4.06E+02	6.35E+00	5.30E-01	9.03E+00	2.49E+01	5.77E+01	1.38E+02
1.12E+00	2.02E-03	4.04E+02	6.33E+00	5.29E-01	9.01E+00	2.48E+01	5.75E+01	1.38E+02
1.19E+00	2.04E-03	4.02E+02	6.31E+00	5.28E-01	8.99E+00	2.48E+01	5.74E+01	1.37E+02
1.25E+00	2.07E-03	4.00E+02	6.29E+00	5.26E-01	8.97E+00	2.47E+01	5.72E+01	1.37E+02
1.33E+00	2.10E-03	3.99E+02	6.27E+00	5.25E-01	8.94E+00	2.46E+01	5.70E+01	1.36E+02
1.40E+00	2.13E-03	3.97E+02	6.25E+00	5.24E-01	8.91E+00	2.45E+01	5.69E+01	1.36E+02
1.49E+00	2.17E-03	3.94E+02	6.22E+00	5.22E-01	8.88E+00	2.45E+01	5.67E+01	1.35E+02
1.57E+00	2.20E-03	3.92E+02	6.20E+00	5.20E-01	8.85E+00	2.44E+01	5.65E+01	1.35E+02
1.66E+00	2.24E-03	3.90E+02	6.17E+00	5.19E-01	8.82E+00	2.43E+01	5.63E+01	1.34E+02
1.76E+00	2.28E-03	3.87E+02	6.14E+00	5.17E-01	8.79E+00	2.42E+01	5.60E+01	1.33E+02
1.86E+00	2.32E-03	3.85E+02	6.11E+00	5.15E-01	8.75E+00	2.41E+01	5.58E+01	1.33E+02
1.97E+00	2.36E-03	3.82E+02	6.08E+00	5.13E-01	8.72E+00	2.40E+01	5.56E+01	1.32E+02
2.09E+00	2.41E-03	3.79E+02	6.05E+00	5.11E-01	8.68E+00	2.39E+01	5.53E+01	1.31E+02
2.21E+00	2.46E-03	3.76E+02	6.02E+00	5.08E-01	8.64E+00	2.38E+01	5.50E+01	1.31E+02
2.24E+00	2.51E-03	3.73E+02	5.98E+00	5.06E-01	8.59E+00	2.36E+01	5.47E+01	1.30E+02
2.27E+00	2.56E-03	3.70E+02	5.94E+00	5.03E-01	8.55E+00	2.35E+01	5.44E+01	1.29E+02
2.26E+00	2.62E-03	3.66E+02	5.90E+00	5.01E-01	8.50E+00	2.34E+01	5.41E+01	1.28E+02
2.27E+00	2.68E-03	3.62E+02	5.86E+00	4.98E-01	8.45E+00	2.32E+01	5.38E+01	1.27E+02
2.29E+00	2.74E-03	3.59E+02	5.81E+00	4.95E-01	8.40E+00	2.31E+01	5.34E+01	1.26E+02
3.00E+00	2.77E-03	3.57E+02	5.80E+00	4.94E-01	8.38E+00	2.30E+01	5.33E+01	1.26E+02
3.310E+00	2.81E-03	3.55E+02	5.77E+00	4.92E-01	8.34E+00	2.29E+01	5.30E+01	1.25E+02
3.328E+00	2.87E-03	3.50E+02	5.72E+00	4.88E-01	8.28E+00	2.28E+01	5.27E+01	1.24E+02
3.48E+00	2.95E-03	3.46E+02	5.67E+00	4.85E-01	8.22E+00	2.26E+01	5.22E+01	1.23E+02
3.68E+00	3.02E-03	3.41E+02	5.61E+00	4.81E-01	8.16E+00	2.24E+01	5.18E+01	1.22E+02
3.89E+00	3.10E-03	3.37E+02	5.56E+00	4.78E-01	8.09E+00	2.22E+01	5.14E+01	1.21E+02
4.12E+00	3.19E-03	3.32E+02	5.50E+00	4.74E-01	8.02E+00	2.20E+01	5.09E+01	1.19E+02
4.36E+00	3.27E-03	3.27E+02	5.44E+00	4.69E-01	7.95E+00	2.18E+01	5.04E+01	1.18E+02
4.61E+00	3.37E-03	3.21E+02	5.37E+00	4.65E-01	7.87E+00	2.16E+01	4.99E+01	1.16E+02
4.88E+00	3.46E-03	3.16E+02	5.31E+00	4.60E-01	7.79E+00	2.14E+01	4.93E+01	1.15E+02
5.17E+00	3.56E-03	3.10E+02	5.24E+00	4.56E-01	7.70E+00	2.11E+01	4.88E+01	1.13E+02
5.47E+00	3.67E-03	3.04E+02	5.16E+00	4.51E-01	7.61E+00	2.09E+01	4.82E+01	1.12E+02
5.57E+00	3.78E-03	2.97E+02	5.09E+00	4.45E-01	7.52E+00	2.06E+01	4.75E+01	1.10E+02
6.12E+00	3.89E-03	2.91E+02	5.01E+00	4.40E-01	7.42E+00	2.03E+01	4.69E+01	1.08E+02
6.48E+00	4.01E-03	2.84E+02	4.92E+00	4.34E-01	7.32E+00	2.00E+01	4.62E+01	1.07E+02
6.86E+00	4.14E-03	2.77E+02	4.84E+00	4.28E-01	7.21E+00	1.97E+01	4.55E+01	1.05E+02
7.26E+00	4.27E-03	2.70E+02	4.75E+00	4.22E-01	7.10E+00	1.94E+01	4.48E+01	1.03E+02
7.68E+00	4.41E-03	2.63E+02	4.65E+00	4.15E-01	6.98E+00	1.91E+01	4.40E+01	1.01E+02
8.13E+00	4.55E-03	2.55E+02	4.56E+00	4.08E-01	6.86E+00	1.88E+01	4.32E+01	9.85E+01
8.60E+00	4.70E-03	2.47E+02	4.46E+00	4.01E-01	6.74E+00	1.84E+01	4.24E+01	9.63E+01
9.10E+00	4.85E-03	2.39E+02	4.36E+00	3.94E-01	6.61E+00	1.81E+01	4.15E+01	9.41E+01
9.63E+00	5.00E-03	2.31E+02	4.25E+00	3.86E-01	6.47E+00	1.77E+01	4.06E+01	9.17E+01
1.00E+01	5.10E-03	2.25E+02	4.18E+00	3.81E-01	6.38E+00	1.74E+01	4.00E+01	9.01E+01
1.02E+01	5.15E-03	2.23E+02	4.14E+00	3.79E-01	6.33E+00	1.73E+01	3.97E+01	8.93E+01
1.08E+01	5.31E-03	2.14E+02	4.03E+00	3.70E-01	6.19E+00	1.69E+01	3.88E+01	8.68E+01
1.14E+01	5.47E-03	2.05E+02	3.91E+00	3.62E-01	6.04E+00	1.65E+01	3.78E+01	8.42E+01
1.21E+01	5.64E-03	1.97E+02	3.80E+00	3.53E-01	5.88E+00	1.60E+01	3.68E+01	8.16E+01
1.28E+01	5.82E-03	1.88E+02	3.67E+00	3.47E-01	5.73E+00	1.56E+01	3.57E+01	7.89E+01
1.35E+01	5.99E-03	1.79E+02	3.55E+00	3.41E-01	5.56E+00	1.51E+01	3.47E+01	7.62E+01
1.43E+01	6.18E-03	1.70E+02	3.42E+00	3.31E-01	5.40E+00	1.47E+01	3.36E+01	7.34E+01
1.51E+01	6.36E-03	1.61E+02	3.30E+00	3.21E-01	5.22E+00	1.42E+01	3.24E+01	7.05E+01
1.60E+01	6.56E-03	1.52E+02	3.17E+00	3.11E-01	5.05E+00	1.37E+01	3.13E+01	6.76E+01
1.70E+01	6.75E-03	1.43E+02	3.03E+00	3.01E-01	4.87E+00	1.32E+01	3.01E+01	6.47E+01
1.80E+01	6.95E-03	1.34E+02	2.90E+00	2.91E-01	4.68E+00	1.27E+01	2.89E+01	6.17E+01
1.90E+01	7.15E-03	1.25E+02	2.76E+00	2.81E-01	4.50E+00	1.22E+01	2.77E+01	5.87E+01

2.01E+01 7.36E-03 1.16E+02 2.63E+00 2.72E-01 4.31E+00 1.16E+01 2.65E+01 5.57E+01

2.13E+01 7.57E-03 1.07E+02 2.49E+00 2.62E-01 4.12E+00 1.11E+01 2.53E+01 5.26E+01

2.25E+01 7.78E-03 9.90E+01 2.36E+00 2.51E-01 3.92E+00 1.06E+01 2.40E+01 4.96E+01

2.38E+01 7.99E-03 9.08E+01 2.22E+00 2.40E-01 3.73E+00 1.00E+01 2.28E+01 4.66E+01

2.52E+01 8.21E-03 8.29E+01 2.09E+00 2.28E-01 3.53E+00 9.50E+00 2.15E+01 4.36E+01

2.67E+01 8.42E-03 7.53E+01 1.95E+00 2.16E-01 3.34E+00 8.96E+00 2.03E+01 4.07E+01

2.82E+01 8.63E-03 6.79E+01 1.82E+00 2.05E-01 3.14E+00 8.42E+00 1.90E+01 3.78E+01

2.99E+01 8.85E-03 6.10E+01 1.69E+00 1.93E-01 2.95E+00 7.89E+00 1.78E+01 3.49E+01

3.00E+01 8.86E-03 6.05E+01 1.69E+00 1.92E-01 2.93E+00 7.85E+00 1.77E+01 3.47E+01

3.16E+01 9.06E-03 5.44E+01 1.57E+00 1.82E-01 2.76E+00 7.36E+00 1.66E+01 3.22E+01

3.35E+01 9.26E-03 4.82E+01 1.45E+00 1.70E-01 2.57E+00 6.84E+00 1.54E+01 2.95E+01

3.54E+01 9.47E-03 4.24E+01 1.33E+00 1.59E-01 2.38E+00 6.33E+00 1.42E+01 2.68E+01

3.75E+01 9.66E-03 3.70E+01 1.21E+00 1.48E-01 2.20E+00 5.83E+00 1.30E+01 2.43E+01

97E+01 9.86E-03 3.28E+01 1.10E+00 1.38E-01 2.02E+00 5.34E+00 1.19E+01 2.19E+01

4.20E+01 1.00E-02 2.91E+01 9.97E-01 1.27E-01 1.85E+00 4.87E+00 1.09E+01 1.96E+01

4.44E+01 1.02E-02 2.57E+01 8.97E-01 1.17E-01 1.68E+00 4.42E+00 9.83E+00 1.75E+01

4.70E+01 1.04E-02 2.25E+01 8.02E-01 1.08E-01 1.52E+00 3.99E+00 8.85E+00 1.55E+01

4.97E+01 1.06E-02 1.96E+01 7.13E-01 9.87E-02 1.37E+00 3.58E+00 7.91E+00 1.36E+01

5.26E+01 1.09E-02 1.69E+01 6.31E-01 9.03E-02 1.22E+00 3.19E+00 7.03E+00 1.18E+01

5.57E+01 1.14E-02 1.44E+01 5.54E-01 8.19E-02 1.09E+00 2.82E+00 6.20E+00 1.02E+01

5.90E+01 1.15E-02 1.22E+01 4.83E-01 7.40E-02 9.59E-01 2.48E+00 5.44E+00 8.75E+00

6.24E+01 1.17E-02 1.02E+01 4.19E-01 6.64E-02 8.41E-01 2.17E+00 4.73E+00 7.29E+00

6.0E+01 0.00E+00 8.50E+00 3.61E-01 5.93E-02 7.31E-01 1.87E+00 4.08E+00 6.25E+00

99E+01 0.00E+00 6.98E+00 3.08E-01 5.31E-02 6.32E-01 1.61E+00 3.49E+00 5.21E+00

7.39E+01 0.00E+00 5.67E+00 2.61E-01 4.76E-02 5.41E-01 1.37E+00 2.96E+00 4.29E+00

7.82E+01 0.00E+00 4.55E+00 2.20E-01 4.26E-02 4.60E-01 1.16E+00 2.48E+00 3.58E+00

8.28E+01 0.00E+00 3.61E+00 1.84E-01 3.82E-02 3.87E-01 9.66E-01 1.95E+00 2.96E+00

8.76E+01 0.00E+00 2.82E+00 1.53E-01 3.42E-02 3.23E-01 7.99E-01 1.51E+00 2.42E+00

9.27E+01 0.00E+00 2.17E+00 1.26E-01 3.07E-02 2.67E-01 6.55E-01 1.16E+00 1.95E+00

9.81E+01 0.00E+00 1.65E+00 1.04E-01 2.77E-02 2.19E-01 5.30E-01 9.31E-01 1.56E+00

1.00E+02 0.00E+00 1.50E+00 9.68E-02 2.69E-02 2.05E-01 4.93E-01 8.64E-01 1.44E+00

1.04E+02 0.00E+00 1.26E+00 8.46E-02 2.51E-02 1.79E-01 4.25E-01 7.42E-01 1.23E+00

1.10E+02 0.00E+00 9.78E-01 6.89E-02 2.30E-02 1.44E-01 3.24E-01 5.84E-01 9.07E-01

1.16E+02 0.00E+00 7.48E-01 5.61E-02 2.11E-02 1.16E-01 2.39E-01 4.55E-01 6.56E-01

1.23E+02 0.00E+00 5.64E-01 4.58E-02 1.96E-02 9.24E-02 1.87E-01 3.49E-01 4.67E-01

1.30E+02 0.00E+00 4.19E-01 3.76E-02 1.83E-02 7.34E-02 1.45E-01 2.64E-01 3.27E-01

1.38E+02 0.00E+00 3.07E-01 3.12E-02 1.73E-02 5.84E-02 1.11E-01 1.92E-01 2.34E-01

1.46E+02 0.00E+00 2.22E-01 2.63E-02 1.65E-02 4.58E-02 8.48E-02 1.39E-01 1.71E-01

1.54E+02 0.00E+00 1.58E-01 2.26E-02 1.59E-02 3.70E-02 6.47E-02 9.88E-02 1.25E-01

1.63E+02 0.00E+00 1.12E-01 1.98E-02 1.54E-02 3.04E-02 4.96E-02 6.96E-02 9.10E-02

1.73E+02 0.00E+00 7.93E-02 1.78E-02 1.51E-02 2.55E-02 3.84E-02 4.76E-02 6.68E-02

1.83E+02 0.00E+00 5.62E-02 1.64E-02 1.48E-02 2.19E-02 3.03E-02 3.47E-02 4.95E-02

1.94E+02 0.00E+00 4.04E-02 1.54E-02 1.45E-02 1.92E-02 2.40E-02 2.68E-02 3.76E-02

2.05E+02 0.00E+00 2.98E-02 1.47E-02 1.43E-02 1.72E-02 1.95E-02 2.18E-02 2.94E-02

2.17E+02 0.00E+00 2.41E-02 1.42E-02 1.41E-02 1.59E-02 1.75E-02 1.86E-02 2.26E-02

2.29E+02 0.00E+00 2.06E-02 1.39E-02 1.39E-02 1.54E-02 1.60E-02 1.69E-02 1.83E-02

2.43E+02 0.00E+00 1.85E-02 1.37E-02 1.38E-02 1.50E-02 1.54E-02 1.58E-02 1.63E-02

2.57E+02 0.00E+00 1.72E-02 1.36E-02 1.37E-02 1.47E-02 1.51E-02 1.53E-02 1.62E-02

2.72E+02 0.00E+00 1.69E-02 1.34E-02 1.36E-02 1.46E-02 1.50E-02 1.52E-02 1.62E-02

2.88E+02 0.00E+00 1.68E-02 1.33E-02 1.35E-02 1.45E-02 1.48E-02 1.52E-02 1.59E-02

3.00E+02 0.00E+00 1.68E-02 1.33E-02 1.34E-02 1.44E-02 1.48E-02 1.52E-02 1.57E-02

3.05E+02 0.00E+00 1.68E-02 1.32E-02 1.34E-02 1.44E-02 1.48E-02 1.52E-02 1.57E-02

3.22E+02 0.00E+00 1.67E-02 1.32E-02 1.34E-02 1.43E-02 1.47E-02 1.51E-02 1.56E-02

3.41E+02 0.00E+00 1.66E-02 1.31E-02 1.33E-02 1.43E-02 1.47E-02 1.50E-02 1.55E-02

3.61E+02 0.00E+00 1.65E-02 1.30E-02 1.32E-02 1.43E-02 1.46E-02 1.50E-02 1.54E-02

3.82E+02 0.00E+00 1.64E-02 1.29E-02 1.31E-02 1.42E-02 1.45E-02 1.50E-02 1.54E-02

4.04E+02 0.00E+00 1.63E-02 1.28E-02 1.30E-02 1.41E-02 1.45E-02 1.49E-02 1.55E-02

4.28E+02 0.00E+00 1.62E-02 1.26E-02 1.30E-02 1.40E-02 1.44E-02 1.47E-02 1.55E-02

4.53E+02 0.00E+00 1.61E-02 1.25E-02 1.29E-02 1.40E-02 1.43E-02 1.46E-02 1.53E-02

4.79E+02 0.00E+00 1.60E-02 1.24E-02 1.28E-02 1.39E-02 1.42E-02 1.45E-02 1.50E-02

5.07E+02 0.00E+00 1.59E-02 1.23E-02 1.27E-02 1.38E-02 1.41E-02 1.44E-02 1.47E-02

5.36E+02 0.00E+00 1.57E-02 1.21E-02 1.26E-02 1.38E-02 1.40E-02 1.43E-02 1.47E-02

5.68E+02 0.00E+00 1.56E-02 1.19E-02 1.25E-02 1.37E-02 1.39E-02 1.41E-02 1.46E-02

0.01E+02 0.00E+00 1.55E-02 1.18E-02 1.23E-02 1.36E-02 1.38E-02 1.40E-02 1.45E-02

6.36E+02 0.00E+00 1.53E-02 1.16E-02 1.22E-02 1.35E-02 1.37E-02 1.39E-02 1.44E-02

6.73E+02 0.00E+00 1.52E-02 1.14E-02 1.21E-02 1.34E-02 1.37E-02 1.38E-02 1.43E-02

7.12E+02 0.00E+00 1.50E-02 1.12E-02 1.19E-02 1.33E-02 1.35E-02 1.37E-02 1.43E-02

7.53E+02 0.00E+00 1.48E-02 1.10E-02 1.17E-02 1.31E-02 1.34E-02 1.36E-02 1.41E-02

7.97E+02 0.00E+00 1.47E-02 1.07E-02 1.15E-02 1.30E-02 1.33E-02 1.35E-02 1.40E-02

8.44E+02 0.00E+00 1.45E-02 1.05E-02 1.13E-02 1.28E-02 1.32E-02 1.33E-02 1.37E-02

93E+02 0.00E+00 1.43E-02 1.02E-02 1.11E-02 1.27E-02 1.29E-02 1.32E-02 1.35E-02

9.45E+02 0.00E+00 1.41E-02 9.93E-03 1.09E-02 1.24E-02 1.27E-02 1.30E-02 1.34E-02

1.00E+03 0.00E+00 1.39E-02 9.62E-03 1.06E-02 1.22E-02 1.25E-02 1.28E-02 1.32E-02

Probabilistic results summary : RESRAD Default Parameters

File : C:\USERS\DNF\DOCUMENTS\FT CALHOUN\RESRAD INPUT FILES\BFM INSITU UNCERTAINTY ANALYSIS\FCS BFM INSITU UA CM-244.RAD

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

Repetition	Time of peak mean dose Years	Peak mean dose mrem/yr
1	0.000E+00	8.290E+00
2	0.000E+00	7.676E+00
3	0.000E+00	6.679E+00

Title : RESRAD Default Parameters
 Input File : FCS BFM INSITU UA CM-244.RAD

Coefficients for peak All Pathways Dose

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

Description of Probabilistic Variable	Sig Coeff	Sig Coeff	Sig Coeff	Sig Coeff
Contaminated zone erosion rate	17 0.00	17 0.00	10 -0.02	10 0.00
Contaminated zone b parameter	14 -0.01	14 -0.01	4 -0.07	4 -0.02
Evapotranspiration coefficient	9 -0.03	9 -0.03	16 0.00	16 0.00
Wind Speed	11 0.02	11 0.02	7 -0.05	7 -0.01
Runoff coefficient	6 0.05	6 0.05	8 -0.05	8 -0.01
b Parameter of Unsaturated zone 1	1 0.18	1 0.18	3 -0.15	3 -0.04
Mass loading for inhalation	15 -0.01	15 -0.01	5 -0.07	5 -0.02
Indoor dust filtration factor	3 -0.08	3 -0.08	13 0.00	13 0.00
Depth of soil mixing layer	5 0.06	5 0.06	17 0.00	17 0.00
Depth of roots	2 -0.09	2 -0.09	2 0.68	2 0.24
Wet weight crop yield of fruit, grain and non-leafy vegetables	16 0.01	16 0.01	15 0.00	15 0.00
Weathering removal constant of all vegetation	7 -0.04	7 -0.04	9 -0.04	9 -0.01
Wet foliar interception fraction of leafy vegetables	10 -0.03	10 -0.03	14 0.00	14 0.00
Humidity in air	4 0.07	4 0.07	11 -0.01	11 0.00
Cover erosion rate	13 -0.02	13 -0.01	12 -0.01	12 0.00
Kd of Cm-244 in Contaminated Zone	12 -0.02	12 -0.02	1 -0.96	1 -0.93
Kd of Cm-244 in Saturated Zone	8 -0.04	8 -0.04	6 0.06	6 0.02
R-SQUARE	0.06	0.06	0.93	0.93

-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 CM-244.RAD

Coefficients for peak All Pathways Dose

Coefficient =	PCC	SRC	PRCC	SRRC
Repetition =	2	2	2	2

Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Contaminated zone erosion rate	17	0.00	17	0.00	3	-0.13	3	-0.03
Contaminated zone b parameter	16	-0.01	16	-0.01	8	0.07	8	0.02
Evapotranspiration coefficient	15	-0.01	15	-0.01	6	0.08	6	0.02
Wind Speed	5	-0.06	5	-0.06	15	0.02	15	0.00
Runoff coefficient	7	0.04	7	0.04	9	-0.06	9	-0.02
b Parameter of Unsaturated zone 1	14	-0.01	14	-0.01	14	-0.02	14	0.00
Mass loading for inhalation	6	0.05	6	0.05	12	0.03	12	0.01
Indoor dust filtration factor	4	0.09	4	0.09	5	0.09	5	0.02
Depth of soil mixing layer	12	-0.02	12	-0.02	10	0.06	10	0.01
Depth of roots	3	0.09	3	0.09	2	0.67	2	0.24
Wet weight crop yield of fruit, grain and non-leafy vegetables	11	0.02	11	0.02	4	-0.12	4	-0.03
Weathering removal constant of all vegetation	2	0.10	2	0.10	7	-0.07	7	-0.02
Wet foliar interception fraction of leafy vegetables	13	0.02	13	0.02	17	0.01	17	0.00
Humidity in air	1	0.14	1	0.14	16	-0.02	16	0.00
Cover erosion rate	8	-0.04	8	-0.04	13	-0.02	13	-0.01
Kd of Cm-244 in Contaminated Zone	9	-0.02	9	-0.02	1	-0.96	1	-0.93
Kd of Cm-244 in Saturated Zone	10	-0.02	10	-0.02	11	0.05	11	0.01
R-SQUARE		0.05		0.05		0.93		0.93

-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 CM-244.RAD

Coefficients for peak All Pathways Dose

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

Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Contaminated zone erosion rate	17	-0.01	17	-0.01	6	0.06	6	0.02
Contaminated zone b parameter	2	0.07	2	0.07	11	-0.04	11	-0.01
Evapotranspiration coefficient	6	-0.04	6	-0.04	10	0.05	10	0.01
Wind Speed	8	-0.04	8	-0.04	9	0.05	9	0.01
Runoff coefficient	1	0.13	1	0.13	13	-0.02	13	-0.01
b Parameter of Unsaturated zone 1	15	-0.01	15	-0.01	3	0.09	3	0.02
Mass loading for inhalation	12	-0.02	12	-0.02	16	-0.01	16	0.00
Indoor dust filtration factor	5	-0.05	5	-0.05	12	0.03	12	0.01
Depth of soil mixing layer	13	0.02	13	0.02	17	0.00	17	0.00
Depth of roots	4	0.05	4	0.05	2	0.69	2	0.23
Wet weight crop yield of fruit, grain and non-leafy vegetables	14	-0.01	14	-0.01	4	-0.08	4	-0.02
Weathering removal constant of all vegetation	16	0.01	16	0.01	5	-0.07	5	-0.02
Wet foliar interception fraction of leafy vegetables	9	0.03	9	0.03	7	0.06	7	0.02
Humidity in air	3	-0.07	3	-0.07	8	-0.06	8	-0.01
Cover erosion rate	10	-0.03	10	-0.03	15	0.02	15	0.00
Kd of Cm-244 in Contaminated Zone	7	-0.04	7	-0.04	1	-0.97	1	-0.94
Kd of Cm-244 in Saturated Zone	11	-0.02	11	-0.02	14	0.02	14	0.01
R-SQUARE		0.04		0.04		0.94		0.94

-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.