

Probabilistic results summary : RESRAD Default Parameters

File : C:\USERS\DNF\DOCUMENTS\FT CALHOUN\RESRAD INPUT FILES\SOIL UNCERTAINTY ANALYSIS\FCS SOIL UNCERTAINTY ANALYSIS CE-144.RAD

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Probabilistic Total Dose Summary

Nuclide (j)	Peak Time	Peak Dose	DOSE(j,t), mrem/yr							
			t= 0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
Ce-144										
Min	0.00E+00	1.04E-01	1.04E-01	4.25E-02	7.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	1.09E-01	1.09E-01	4.48E-02	7.55E-03	1.48E-05	2.73E-13	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	1.06E-01	1.06E-01	4.35E-02	7.32E-03	1.42E-05	2.57E-13	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	2.01E-03	2.01E-03	8.26E-04	1.40E-04	1.49E-06	4.13E-14	0.00E+00	0.00E+00	0.00E+00
ALL										
Min	0.00E+00	1.04E-01	1.04E-01	4.25E-02	7.06E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	1.09E-01	1.09E-01	4.48E-02	7.55E-03	1.48E-05	2.73E-13	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	1.06E-01	1.06E-01	4.35E-02	7.32E-03	1.42E-05	2.57E-13	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	2.01E-03	2.01E-03	8.26E-04	1.40E-04	1.49E-06	4.13E-14	0.00E+00	0.00E+00	0.00E+00

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/>									
Ce-144									
Min		3.71E-06	1.52E-06	2.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		4.33E-06	1.78E-06	2.99E-07	5.87E-10	1.08E-17	0.00E+00	0.00E+00	0.00E+00
Avg		3.97E-06	1.63E-06	2.74E-07	5.31E-10	9.60E-18	0.00E+00	0.00E+00	0.00E+00
Std		2.24E-07	9.20E-08	1.56E-08	6.15E-11	1.62E-18	0.00E+00	0.00E+00	0.00E+00
<hr/>									
CALL									
Min		3.71E-06	1.52E-06	2.52E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		4.33E-06	1.78E-06	2.99E-07	5.87E-10	1.08E-17	0.00E+00	0.00E+00	0.00E+00
Avg		3.97E-06	1.63E-06	2.74E-07	5.31E-10	9.60E-18	0.00E+00	0.00E+00	0.00E+00
Std		2.24E-07	9.20E-08	1.56E-08	6.15E-11	1.62E-18	0.00E+00	0.00E+00	0.00E+00
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CALL 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/>								
Ce-144								
Min	1.01E-01	4.13E-02	6.88E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	1.01E-01	4.16E-02	7.02E-03	1.38E-05	2.54E-13	0.00E+00	0.00E+00	0.00E+00
Avg	1.01E-01	4.16E-02	7.01E-03	1.36E-05	2.47E-13	0.00E+00	0.00E+00	0.00E+00
Std	7.62E-06	1.04E-05	4.69E-06	1.40E-06	3.93E-14	0.00E+00	0.00E+00	0.00E+00
<hr/>								
TOTAL								
Min	1.01E-01	4.13E-02	6.88E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	1.01E-01	4.16E-02	7.02E-03	1.38E-05	2.54E-13	0.00E+00	0.00E+00	0.00E+00
Avg	1.01E-01	4.16E-02	7.01E-03	1.36E-05	2.47E-13	0.00E+00	0.00E+00	0.00E+00
Std	7.62E-06	1.04E-05	4.69E-06	1.40E-06	3.93E-14	0.00E+00	0.00E+00	0.00E+00
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TOTAL is total pathway dose summed for all nuclides.

Probabilistic results summary : RESRAD Default Parameters

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

Nuclide (j)	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
Ce-144								
Min	9.43E-09	3.87E-09	6.52E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	2.09E-05	8.58E-06	1.45E-06	2.84E-09	5.22E-17	0.00E+00	0.00E+00	0.00E+00
Avg	3.37E-06	1.38E-06	2.33E-07	4.52E-10	8.19E-18	0.00E+00	0.00E+00	0.00E+00
Std	2.05E-06	8.41E-07	1.42E-07	2.80E-10	5.20E-18	0.00E+00	0.00E+00	0.00E+00
ALL								
Min	9.43E-09	3.87E-09	6.52E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	2.09E-05	8.58E-06	1.45E-06	2.84E-09	5.22E-17	0.00E+00	0.00E+00	0.00E+00
Avg	3.37E-06	1.38E-06	2.33E-07	4.52E-10	8.19E-18	0.00E+00	0.00E+00	0.00E+00
Std	2.05E-06	8.41E-07	1.42E-07	2.80E-10	5.20E-18	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): Radon (Water Ind.)

Nuclide	DOSE(i,j,t), mrem/yr							
	(j) t= 0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
<hr/>								
Ce-144								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
<hr/>								
ALL								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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ALL is total pathway dose summed for all nuclides.

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

Nuclide	DOSE(i,j,t), mrem/yr							
	t= 0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
<hr/>								
Ce-144								
Min	1.84E-03	7.03E-04	7.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	7.36E-03	3.02E-03	5.09E-04	9.99E-07	1.84E-14	0.00E+00	0.00E+00	0.00E+00
Avg	4.14E-03	1.69E-03	2.84E-04	5.46E-07	9.67E-15	0.00E+00	0.00E+00	0.00E+00
Std	2.00E-03	8.21E-04	1.39E-04	2.79E-07	5.22E-15	0.00E+00	0.00E+00	0.00E+00
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ALL								
Min	1.84E-03	7.03E-04	7.63E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	7.36E-03	3.02E-03	5.09E-04	9.99E-07	1.84E-14	0.00E+00	0.00E+00	0.00E+00
Avg	4.14E-03	1.69E-03	2.84E-04	5.46E-07	9.67E-15	0.00E+00	0.00E+00	0.00E+00
Std	2.00E-03	8.21E-04	1.39E-04	2.79E-07	5.22E-15	0.00E+00	0.00E+00	0.00E+00
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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/>								
Ce-144								
Min	2.51E-05	1.03E-05	1.64E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	2.79E-05	1.14E-05	1.93E-06	3.78E-09	6.96E-17	0.00E+00	0.00E+00	0.00E+00
Avg	2.62E-05	1.08E-05	1.81E-06	3.51E-09	6.35E-17	0.00E+00	0.00E+00	0.00E+00
Std	1.00E-06	4.12E-07	6.98E-08	3.99E-10	1.06E-17	0.00E+00	0.00E+00	0.00E+00
ALL								
Min	2.51E-05	1.03E-05	1.64E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	2.79E-05	1.14E-05	1.93E-06	3.78E-09	6.96E-17	0.00E+00	0.00E+00	0.00E+00
Avg	2.62E-05	1.08E-05	1.81E-06	3.51E-09	6.35E-17	0.00E+00	0.00E+00	0.00E+00
Std	1.00E-06	4.12E-07	6.98E-08	3.99E-10	1.06E-17	0.00E+00	0.00E+00	0.00E+00

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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/>								
Ce-144								
Min	1.20E-04	4.91E-05	7.67E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	1.50E-04	6.15E-05	1.04E-05	2.03E-08	3.75E-16	0.00E+00	0.00E+00	0.00E+00
Avg	1.33E-04	5.44E-05	9.15E-06	1.77E-08	3.20E-16	0.00E+00	0.00E+00	0.00E+00
Std	1.07E-05	4.39E-06	7.43E-07	2.40E-09	5.84E-17	0.00E+00	0.00E+00	0.00E+00
ALL								
Min	1.20E-04	4.91E-05	7.67E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	1.50E-04	6.15E-05	1.04E-05	2.03E-08	3.75E-16	0.00E+00	0.00E+00	0.00E+00
Avg	1.33E-04	5.44E-05	9.15E-06	1.77E-08	3.20E-16	0.00E+00	0.00E+00	0.00E+00
Std	1.07E-05	4.39E-06	7.43E-07	2.40E-09	5.84E-17	0.00E+00	0.00E+00	0.00E+00

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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/>								
Ce-144								
Min	1.99E-04	8.13E-05	1.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	2.00E-04	8.19E-05	1.38E-05	2.71E-08	4.99E-16	0.00E+00	0.00E+00	0.00E+00
Avg	2.00E-04	8.19E-05	1.38E-05	2.67E-08	4.85E-16	0.00E+00	0.00E+00	0.00E+00
Std	1.50E-08	2.05E-08	2.04E-08	2.86E-09	7.87E-17	0.00E+00	0.00E+00	0.00E+00
<hr/>								
ALL								
Min	1.99E-04	8.13E-05	1.31E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	2.00E-04	8.19E-05	1.38E-05	2.71E-08	4.99E-16	0.00E+00	0.00E+00	0.00E+00
Avg	2.00E-04	8.19E-05	1.38E-05	2.67E-08	4.85E-16	0.00E+00	0.00E+00	0.00E+00
Std	1.50E-08	2.05E-08	2.04E-08	2.86E-09	7.87E-17	0.00E+00	0.00E+00	0.00E+00
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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/>								
Ce-144								
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	9.90E-19	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-21	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.58E-20	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	9.90E-19	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.53E-21	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.58E-20	0.00E+00	0.00E+00	0.00E+00
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Probabilistic Dose vs Pathway(i): Fish Ingestion

Nuclide	DOSE(i,j,t), mrem/yr							
	(j) t= 0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
<hr/>								
Ce-144								
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

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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/>								
Ce-144								
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\SOIL UNCERTAINTY ANALYSIS\FCS SOIL UNCERTAINTY ANALYSIS CE-144.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
<hr/>								
Ce-144								
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	1.02E-19	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-22	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-21	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	1.02E-19	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.10E-22	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.92E-21	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\SOIL UNCERTAINTY ANALYSIS\FCS SOIL UNCERTAINTY ANALYSIS CE-144.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/>								
Ce-144								
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	4.60E-22	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.09E-25	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-23	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	4.60E-22	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.09E-25	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.46E-23	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\SOIL UNCERTAINTY ANALYSIS\FCS SOIL UNCERTAINTY ANALYSIS CE-144.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/>								
Ce-144								
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	3.59E-21	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.47E-24	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-22	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	3.59E-21	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.47E-24	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E-22	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\SOIL UNCERTAINTY ANALYSIS\FCS SOIL UNCERTAINTY ANALYSIS CE-144.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	1.04E-01	4.26E-02	7.17E-03	1.40E-05	1.11E-13	0.00E+00	0.00E+00	0.00E+00
0.050	1.04E-01	4.26E-02	7.17E-03	1.41E-05	2.57E-13	0.00E+00	0.00E+00	0.00E+00
0.075	1.04E-01	4.26E-02	7.17E-03	1.41E-05	2.58E-13	0.00E+00	0.00E+00	0.00E+00
0.100	1.04E-01	4.26E-02	7.18E-03	1.41E-05	2.58E-13	0.00E+00	0.00E+00	0.00E+00
0.125	1.04E-01	4.26E-02	7.18E-03	1.41E-05	2.59E-13	0.00E+00	0.00E+00	0.00E+00
0.150	1.04E-01	4.27E-02	7.18E-03	1.41E-05	2.59E-13	0.00E+00	0.00E+00	0.00E+00
0.175	1.04E-01	4.27E-02	7.19E-03	1.41E-05	2.59E-13	0.00E+00	0.00E+00	0.00E+00
0.200	1.04E-01	4.27E-02	7.19E-03	1.41E-05	2.59E-13	0.00E+00	0.00E+00	0.00E+00
0.225	1.04E-01	4.27E-02	7.20E-03	1.41E-05	2.59E-13	0.00E+00	0.00E+00	0.00E+00
0.250	1.04E-01	4.28E-02	7.20E-03	1.41E-05	2.59E-13	0.00E+00	0.00E+00	0.00E+00
0.275	1.04E-01	4.28E-02	7.21E-03	1.41E-05	2.60E-13	0.00E+00	0.00E+00	0.00E+00
0.300	1.04E-01	4.28E-02	7.21E-03	1.41E-05	2.60E-13	0.00E+00	0.00E+00	0.00E+00
0.325	1.04E-01	4.29E-02	7.22E-03	1.42E-05	2.60E-13	0.00E+00	0.00E+00	0.00E+00
0.350	1.05E-01	4.29E-02	7.22E-03	1.42E-05	2.60E-13	0.00E+00	0.00E+00	0.00E+00
0.375	1.05E-01	4.29E-02	7.23E-03	1.42E-05	2.60E-13	0.00E+00	0.00E+00	0.00E+00
0.400	1.05E-01	4.30E-02	7.24E-03	1.42E-05	2.61E-13	0.00E+00	0.00E+00	0.00E+00
0.425	1.05E-01	4.30E-02	7.25E-03	1.42E-05	2.61E-13	0.00E+00	0.00E+00	0.00E+00
0.450	1.05E-01	4.31E-02	7.25E-03	1.42E-05	2.61E-13	0.00E+00	0.00E+00	0.00E+00
0.475	1.05E-01	4.31E-02	7.26E-03	1.42E-05	2.62E-13	0.00E+00	0.00E+00	0.00E+00
0.500	1.05E-01	4.32E-02	7.27E-03	1.43E-05	2.62E-13	0.00E+00	0.00E+00	0.00E+00
0.525	1.05E-01	4.32E-02	7.28E-03	1.43E-05	2.62E-13	0.00E+00	0.00E+00	0.00E+00
0.550	1.06E-01	4.33E-02	7.29E-03	1.43E-05	2.63E-13	0.00E+00	0.00E+00	0.00E+00
0.575	1.06E-01	4.34E-02	7.31E-03	1.43E-05	2.63E-13	0.00E+00	0.00E+00	0.00E+00
0.600	1.06E-01	4.35E-02	7.32E-03	1.44E-05	2.64E-13	0.00E+00	0.00E+00	0.00E+00
0.625	1.06E-01	4.36E-02	7.34E-03	1.44E-05	2.64E-13	0.00E+00	0.00E+00	0.00E+00
0.650	1.06E-01	4.37E-02	7.36E-03	1.44E-05	2.65E-13	0.00E+00	0.00E+00	0.00E+00
0.675	1.07E-01	4.38E-02	7.38E-03	1.45E-05	2.66E-13	0.00E+00	0.00E+00	0.00E+00
0.700	1.07E-01	4.39E-02	7.40E-03	1.45E-05	2.66E-13	0.00E+00	0.00E+00	0.00E+00
0.725	1.07E-01	4.41E-02	7.42E-03	1.45E-05	2.67E-13	0.00E+00	0.00E+00	0.00E+00
0.750	1.08E-01	4.43E-02	7.45E-03	1.46E-05	2.68E-13	0.00E+00	0.00E+00	0.00E+00
0.775	1.08E-01	4.45E-02	7.48E-03	1.47E-05	2.69E-13	0.00E+00	0.00E+00	0.00E+00
0.800	1.09E-01	4.47E-02	7.52E-03	1.47E-05	2.70E-13	0.00E+00	0.00E+00	0.00E+00
0.825	1.09E-01	4.48E-02	7.55E-03	1.48E-05	2.71E-13	0.00E+00	0.00E+00	0.00E+00
0.850	1.09E-01	4.48E-02	7.55E-03	1.48E-05	2.72E-13	0.00E+00	0.00E+00	0.00E+00
0.875	1.09E-01	4.48E-02	7.55E-03	1.48E-05	2.72E-13	0.00E+00	0.00E+00	0.00E+00
0.900	1.09E-01	4.48E-02	7.55E-03	1.48E-05	2.72E-13	0.00E+00	0.00E+00	0.00E+00
0.925	1.09E-01	4.48E-02	7.55E-03	1.48E-05	2.73E-13	0.00E+00	0.00E+00	0.00E+00
0.950	1.09E-01	4.48E-02	7.55E-03	1.48E-05	2.73E-13	0.00E+00	0.00E+00	0.00E+00
0.975	1.09E-01	4.48E-02	7.55E-03	1.48E-05	2.73E-13	0.00E+00	0.00E+00	0.00E+00
1.000	1.09E-01	4.48E-02	7.55E-03	1.48E-05	2.73E-13	0.00E+00	0.00E+00	0.00E+00

Probabilistic results summary : RESRAD Default Parameters

File : C:\USERS\DNF\DOCUMENTS\FT CALHOUN\RESRAD INPUT FILES\SOIL UNCERTAINTY ANALYSIS\FCS SOIL UNCERTAINTY ANALYSIS CE-144.RAD

Summary of dose at graphical times, reptition 1

Time Years	Dose statistics at graphical times, mrem/yr							
	Minimum	Maximum	Mean	Median	90%	95%	97.5%	99%
0.00E+00	1.04E-01	1.09E-01	1.06E-01	1.05E-01	1.09E-01	1.09E-01	1.09E-01	1.09E-01
1.00E+00	4.25E-02	4.48E-02	4.35E-02	4.32E-02	4.48E-02	4.48E-02	4.48E-02	4.48E-02
1.06E+00	4.04E-02	4.26E-02	4.13E-02	4.10E-02	4.26E-02	4.26E-02	4.26E-02	4.26E-02
1.12E+00	3.82E-02	4.03E-02	3.91E-02	3.88E-02	4.03E-02	4.03E-02	4.03E-02	4.03E-02
1.19E+00	3.61E-02	3.80E-02	3.69E-02	3.66E-02	3.80E-02	3.80E-02	3.80E-02	3.80E-02
1.25E+00	3.39E-02	3.57E-02	3.47E-02	3.44E-02	3.57E-02	3.57E-02	3.57E-02	3.57E-02
1.33E+00	3.18E-02	3.35E-02	3.25E-02	3.23E-02	3.35E-02	3.35E-02	3.35E-02	3.35E-02
1.40E+00	2.97E-02	3.13E-02	3.03E-02	3.01E-02	3.13E-02	3.13E-02	3.13E-02	3.13E-02
1.49E+00	2.76E-02	2.91E-02	2.82E-02	2.80E-02	2.91E-02	2.91E-02	2.91E-02	2.91E-02
1.57E+00	2.55E-02	2.69E-02	2.61E-02	2.59E-02	2.69E-02	2.69E-02	2.69E-02	2.69E-02
1.66E+00	2.35E-02	2.48E-02	2.41E-02	2.39E-02	2.48E-02	2.48E-02	2.48E-02	2.48E-02
1.76E+00	2.16E-02	2.27E-02	2.21E-02	2.19E-02	2.27E-02	2.27E-02	2.27E-02	2.27E-02
1.86E+00	1.97E-02	2.08E-02	2.01E-02	2.00E-02	2.08E-02	2.08E-02	2.08E-02	2.08E-02
1.97E+00	1.79E-02	1.88E-02	1.83E-02	1.82E-02	1.88E-02	1.88E-02	1.88E-02	1.88E-02
2.09E+00	1.61E-02	1.70E-02	1.65E-02	1.64E-02	1.70E-02	1.70E-02	1.70E-02	1.70E-02
2.21E+00	1.45E-02	1.53E-02	1.48E-02	1.47E-02	1.53E-02	1.53E-02	1.53E-02	1.53E-02
2.24E+00	1.29E-02	1.36E-02	1.32E-02	1.31E-02	1.36E-02	1.36E-02	1.36E-02	1.36E-02
2.47E+00	1.14E-02	1.21E-02	1.17E-02	1.16E-02	1.21E-02	1.21E-02	1.21E-02	1.21E-02
2.62E+00	1.00E-02	1.06E-02	1.03E-02	1.02E-02	1.06E-02	1.06E-02	1.06E-02	1.06E-02
2.77E+00	8.75E-03	9.26E-03	8.98E-03	8.92E-03	9.26E-03	9.26E-03	9.26E-03	9.26E-03
2.93E+00	7.56E-03	8.02E-03	7.78E-03	7.72E-03	8.02E-03	8.02E-03	8.02E-03	8.02E-03
3.00E+00	7.12E-03	7.55E-03	7.32E-03	7.27E-03	7.55E-03	7.55E-03	7.55E-03	7.55E-03
3.13E+00	6.48E-03	6.89E-03	6.68E-03	6.63E-03	6.89E-03	6.89E-03	6.89E-03	6.89E-03
3.28E+00	5.49E-03	5.86E-03	5.69E-03	5.65E-03	5.86E-03	5.86E-03	5.86E-03	5.86E-03
3.48E+00	4.60E-03	4.95E-03	4.80E-03	4.76E-03	4.95E-03	4.95E-03	4.95E-03	4.95E-03
3.68E+00	3.80E-03	4.13E-03	4.00E-03	3.98E-03	4.13E-03	4.13E-03	4.13E-03	4.13E-03
3.89E+00	3.08E-03	3.41E-03	3.31E-03	3.29E-03	3.41E-03	3.41E-03	3.41E-03	3.41E-03
4.12E+00	2.43E-03	2.79E-03	2.70E-03	2.68E-03	2.79E-03	2.79E-03	2.79E-03	2.79E-03
4.36E+00	1.84E-03	2.25E-03	2.18E-03	2.17E-03	2.25E-03	2.25E-03	2.25E-03	2.25E-03
4.61E+00	1.28E-03	1.80E-03	1.74E-03	1.73E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03
4.88E+00	7.38E-04	1.41E-03	1.37E-03	1.36E-03	1.41E-03	1.41E-03	1.41E-03	1.41E-03
5.17E+00	3.25E-04	1.10E-03	1.06E-03	1.06E-03	1.10E-03	1.10E-03	1.10E-03	1.10E-03
5.47E+00	6.76E-05	8.40E-04	8.12E-04	8.08E-04	8.40E-04	8.40E-04	8.40E-04	8.40E-04
5.57E+00	1.21E-10	6.32E-04	6.11E-04	6.09E-04	6.32E-04	6.32E-04	6.32E-04	6.32E-04
6.12E+00	0.00E+00	4.68E-04	4.52E-04	4.51E-04	4.68E-04	4.68E-04	4.68E-04	4.68E-04
6.48E+00	0.00E+00	3.41E-04	3.29E-04	3.28E-04	3.41E-04	3.41E-04	3.41E-04	3.41E-04
6.86E+00	0.00E+00	2.44E-04	2.35E-04	2.35E-04	2.44E-04	2.44E-04	2.44E-04	2.44E-04
7.26E+00	0.00E+00	1.71E-04	1.64E-04	1.64E-04	1.71E-04	1.71E-04	1.71E-04	1.71E-04
7.68E+00	0.00E+00	1.17E-04	1.13E-04	1.13E-04	1.17E-04	1.17E-04	1.17E-04	1.17E-04
8.13E+00	0.00E+00	7.87E-05	7.56E-05	7.57E-05	7.87E-05	7.87E-05	7.87E-05	7.87E-05
8.60E+00	0.00E+00	5.16E-05	4.95E-05	4.97E-05	5.16E-05	5.16E-05	5.16E-05	5.16E-05
9.10E+00	0.00E+00	3.30E-05	3.17E-05	3.18E-05	3.30E-05	3.30E-05	3.30E-05	3.30E-05
9.63E+00	0.00E+00	2.06E-05	1.98E-05	1.98E-05	2.06E-05	2.06E-05	2.06E-05	2.06E-05
1.00E+01	0.00E+00	1.48E-05	1.42E-05	1.43E-05	1.48E-05	1.48E-05	1.48E-05	1.48E-05
1.02E+01	0.00E+00	1.25E-05	1.20E-05	1.20E-05	1.25E-05	1.25E-05	1.25E-05	1.25E-05
1.08E+01	0.00E+00	7.37E-06	7.05E-06	7.09E-06	7.37E-06	7.37E-06	7.37E-06	7.37E-06
1.14E+01	0.00E+00	4.21E-06	4.03E-06	4.05E-06	4.21E-06	4.21E-06	4.21E-06	4.21E-06
1.21E+01	0.00E+00	2.33E-06	2.23E-06	2.24E-06	2.33E-06	2.33E-06	2.33E-06	2.33E-06
1.28E+01	0.00E+00	1.25E-06	1.19E-06	1.20E-06	1.24E-06	1.25E-06	1.25E-06	1.25E-06
1.35E+01	0.00E+00	6.42E-07	6.13E-07	6.17E-07	6.41E-07	6.42E-07	6.42E-07	6.42E-07
1.43E+01	0.00E+00	3.18E-07	3.03E-07	3.06E-07	3.18E-07	3.18E-07	3.18E-07	3.18E-07
1.51E+01	0.00E+00	1.51E-07	1.44E-07	1.46E-07	1.51E-07	1.51E-07	1.51E-07	1.51E-07
1.60E+01	0.00E+00	6.90E-08	6.57E-08	6.63E-08	6.90E-08	6.90E-08	6.90E-08	6.90E-08
1.70E+01	0.00E+00	3.00E-08	2.86E-08	2.89E-08	3.00E-08	3.00E-08	3.00E-08	3.00E-08
1.80E+01	0.00E+00	1.25E-08	1.18E-08	1.20E-08	1.25E-08	1.25E-08	1.25E-08	1.25E-08
1.90E+01	0.00E+00	4.91E-09	4.67E-09	4.72E-09	4.91E-09	4.91E-09	4.91E-09	4.91E-09

2.01E+01 0.00E+00 1.83E-09 1.74E-09 1.76E-09 1.83E-09 1.83E-09 1.83E-09 1.83E-09

2.13E+01 0.00E+00 6.46E-10 6.13E-10 6.21E-10 6.46E-10 6.46E-10 6.46E-10 6.46E-10

2.25E+01 0.00E+00 2.14E-10 2.03E-10 2.06E-10 2.14E-10 2.14E-10 2.14E-10 2.14E-10

2.38E+01 0.00E+00 6.66E-11 6.31E-11 6.40E-11 6.66E-11 6.66E-11 6.66E-11 6.66E-11

2.52E+01 0.00E+00 1.94E-11 1.83E-11 1.86E-11 1.93E-11 1.94E-11 1.94E-11 1.94E-11

2.67E+01 0.00E+00 5.23E-12 4.95E-12 5.03E-12 5.23E-12 5.23E-12 5.23E-12 5.23E-12

2.82E+01 0.00E+00 1.31E-12 1.24E-12 1.26E-12 1.31E-12 1.31E-12 1.31E-12 1.31E-12

2.99E+01 0.00E+00 3.03E-13 2.86E-13 2.91E-13 3.03E-13 3.03E-13 3.03E-13 3.03E-13

3.00E+01 0.00E+00 2.73E-13 2.57E-13 2.62E-13 2.73E-13 2.73E-13 2.73E-13 2.73E-13

3.16E+01 0.00E+00 6.43E-14 6.06E-14 6.17E-14 6.42E-14 6.43E-14 6.43E-14 6.43E-14

3.35E+01 0.00E+00 1.25E-14 1.17E-14 1.20E-14 1.25E-14 1.25E-14 1.25E-14 1.25E-14

3.54E+01 0.00E+00 2.20E-15 2.07E-15 2.11E-15 2.19E-15 2.20E-15 2.20E-15 2.20E-15

3.75E+01 0.00E+00 3.50E-16 3.29E-16 3.36E-16 3.49E-16 3.50E-16 3.50E-16 3.50E-16

3.97E+01 0.00E+00 5.01E-17 4.70E-17 4.80E-17 5.00E-17 5.01E-17 5.01E-17 5.01E-17

4.20E+01 0.00E+00 6.40E-18 6.00E-18 6.14E-18 6.39E-18 6.40E-18 6.40E-18 6.40E-18

4.44E+01 0.00E+00 7.25E-19 6.79E-19 6.95E-19 7.24E-19 7.25E-19 7.25E-19 7.25E-19

4.70E+01 0.00E+00 7.24E-20 6.77E-20 6.94E-20 7.23E-20 7.24E-20 7.24E-20 7.24E-20

4.97E+01 0.00E+00 6.32E-21 5.90E-21 6.06E-21 6.31E-21 6.32E-21 6.32E-21 6.32E-21

5.26E+01 0.00E+00 4.79E-22 4.47E-22 4.59E-22 4.78E-22 4.79E-22 4.79E-22 4.79E-22

5.57E+01 0.00E+00 3.12E-23 2.91E-23 2.99E-23 3.11E-23 3.12E-23 3.12E-23 3.12E-23

5.90E+01 0.00E+00 1.73E-24 1.62E-24 1.66E-24 1.73E-24 1.73E-24 1.73E-24 1.73E-24

24E+01 0.00E+00 8.15E-26 7.58E-26 7.80E-26 8.12E-26 8.14E-26 8.15E-26 8.15E-26

60E+01 0.00E+00 3.20E-27 2.98E-27 3.06E-27 3.19E-27 3.20E-27 3.20E-27 3.20E-27

99E+01 0.00E+00 1.04E-28 9.64E-29 9.94E-29 1.04E-28 1.04E-28 1.04E-28 1.04E-28

7.39E+01 0.00E+00 2.58E-30 2.48E-30 2.58E-30 2.58E-30 2.58E-30 2.58E-30 2.58E-30

7.82E+01 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

8.28E+01 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

8.76E+01 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

9.27E+01 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

9.81E+01 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

1.00E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

1.04E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

1.10E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

1.16E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

1.23E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

1.30E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

1.38E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

1.46E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

1.54E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

1.63E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

1.73E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

1.83E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

1.94E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

2.05E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

2.17E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

2.29E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

2.43E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

2.57E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

2.72E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

2.88E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

3.00E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

3.05E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

3.22E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

3.41E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

3.61E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

3.82E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

4.04E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

4.28E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

4.53E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

4.79E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

5.07E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

5.36E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

5.68E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

0.01E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

6.36E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

6.73E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

7.12E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

7.53E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

7.97E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

8.44E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

9.93E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

9.45E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

1.00E+03 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

Probabilistic results summary : RESRAD Default Parameters

File : C:\USERS\DNF\DOCUMENTS\FT CALHOUN\RESRAD INPUT FILES\SOIL UNCERTAINTY ANALYSIS\FCS SOIL UNCERTAINTY ANALYSIS CE-144.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	1.04E-01	1.09E-01	1.06E-01	1.05E-01	1.09E-01	1.09E-01	1.09E-01	1.09E-01
1.00E+00	4.25E-02	4.48E-02	4.35E-02	4.32E-02	4.48E-02	4.48E-02	4.48E-02	4.48E-02
1.06E+00	4.04E-02	4.26E-02	4.13E-02	4.10E-02	4.26E-02	4.26E-02	4.26E-02	4.26E-02
1.12E+00	3.82E-02	4.03E-02	3.91E-02	3.88E-02	4.03E-02	4.03E-02	4.03E-02	4.03E-02
1.19E+00	3.60E-02	3.80E-02	3.69E-02	3.66E-02	3.80E-02	3.80E-02	3.80E-02	3.80E-02
1.25E+00	3.39E-02	3.57E-02	3.47E-02	3.44E-02	3.57E-02	3.57E-02	3.57E-02	3.57E-02
1.33E+00	3.18E-02	3.35E-02	3.25E-02	3.23E-02	3.35E-02	3.35E-02	3.35E-02	3.35E-02
1.40E+00	2.96E-02	3.13E-02	3.03E-02	3.01E-02	3.13E-02	3.13E-02	3.13E-02	3.13E-02
1.49E+00	2.76E-02	2.91E-02	2.82E-02	2.80E-02	2.91E-02	2.91E-02	2.91E-02	2.91E-02
1.57E+00	2.55E-02	2.69E-02	2.61E-02	2.59E-02	2.69E-02	2.69E-02	2.69E-02	2.69E-02
1.66E+00	2.35E-02	2.48E-02	2.41E-02	2.39E-02	2.48E-02	2.48E-02	2.48E-02	2.48E-02
1.76E+00	2.16E-02	2.28E-02	2.21E-02	2.19E-02	2.27E-02	2.27E-02	2.27E-02	2.27E-02
1.86E+00	1.97E-02	2.08E-02	2.01E-02	2.00E-02	2.08E-02	2.08E-02	2.08E-02	2.08E-02
1.97E+00	1.78E-02	1.89E-02	1.83E-02	1.82E-02	1.88E-02	1.88E-02	1.88E-02	1.88E-02
2.09E+00	1.61E-02	1.70E-02	1.65E-02	1.64E-02	1.70E-02	1.70E-02	1.70E-02	1.70E-02
2.21E+00	1.44E-02	1.53E-02	1.48E-02	1.47E-02	1.53E-02	1.53E-02	1.53E-02	1.53E-02
2.24E+00	1.29E-02	1.36E-02	1.32E-02	1.31E-02	1.36E-02	1.36E-02	1.36E-02	1.36E-02
2.47E+00	1.14E-02	1.21E-02	1.17E-02	1.16E-02	1.21E-02	1.21E-02	1.21E-02	1.21E-02
2.62E+00	9.99E-03	1.06E-02	1.03E-02	1.02E-02	1.06E-02	1.06E-02	1.06E-02	1.06E-02
2.77E+00	8.70E-03	9.26E-03	8.98E-03	8.92E-03	9.26E-03	9.26E-03	9.26E-03	9.26E-03
2.93E+00	7.51E-03	8.02E-03	7.78E-03	7.72E-03	8.02E-03	8.02E-03	8.02E-03	8.02E-03
3.00E+00	7.06E-03	7.55E-03	7.32E-03	7.27E-03	7.55E-03	7.55E-03	7.55E-03	7.55E-03
3.13E+00	6.42E-03	6.89E-03	6.68E-03	6.63E-03	6.89E-03	6.89E-03	6.89E-03	6.89E-03
3.28E+00	5.42E-03	5.86E-03	5.69E-03	5.65E-03	5.86E-03	5.86E-03	5.86E-03	5.86E-03
3.48E+00	4.50E-03	4.95E-03	4.80E-03	4.76E-03	4.94E-03	4.95E-03	4.95E-03	4.95E-03
3.68E+00	3.67E-03	4.13E-03	4.00E-03	3.98E-03	4.13E-03	4.13E-03	4.13E-03	4.13E-03
3.89E+00	2.90E-03	3.41E-03	3.31E-03	3.29E-03	3.41E-03	3.41E-03	3.41E-03	3.41E-03
4.12E+00	2.18E-03	2.79E-03	2.70E-03	2.68E-03	2.79E-03	2.79E-03	2.79E-03	2.79E-03
4.36E+00	1.46E-03	2.25E-03	2.18E-03	2.17E-03	2.25E-03	2.25E-03	2.25E-03	2.25E-03
4.61E+00	7.99E-04	1.80E-03	1.74E-03	1.73E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03
4.88E+00	3.26E-04	1.41E-03	1.37E-03	1.36E-03	1.41E-03	1.41E-03	1.41E-03	1.41E-03
5.17E+00	4.48E-05	1.10E-03	1.06E-03	1.06E-03	1.10E-03	1.10E-03	1.10E-03	1.10E-03
5.547E+00	5.50E-11	8.40E-04	8.11E-04	8.08E-04	8.40E-04	8.40E-04	8.40E-04	8.40E-04
5.578E+00	0.00E+00	6.32E-04	6.10E-04	6.09E-04	6.32E-04	6.32E-04	6.32E-04	6.32E-04
6.12E+00	0.00E+00	4.68E-04	4.52E-04	4.51E-04	4.68E-04	4.68E-04	4.68E-04	4.68E-04
6.48E+00	0.00E+00	3.41E-04	3.29E-04	3.28E-04	3.41E-04	3.41E-04	3.41E-04	3.41E-04
6.86E+00	0.00E+00	2.44E-04	2.35E-04	2.34E-04	2.44E-04	2.44E-04	2.44E-04	2.44E-04
7.26E+00	0.00E+00	1.71E-04	1.64E-04	1.64E-04	1.71E-04	1.71E-04	1.71E-04	1.71E-04
7.68E+00	0.00E+00	1.17E-04	1.13E-04	1.13E-04	1.17E-04	1.17E-04	1.17E-04	1.17E-04
8.13E+00	0.00E+00	7.87E-05	7.56E-05	7.57E-05	7.87E-05	7.87E-05	7.87E-05	7.87E-05
8.60E+00	0.00E+00	5.16E-05	4.96E-05	4.97E-05	5.16E-05	5.16E-05	5.16E-05	5.16E-05
9.10E+00	0.00E+00	3.30E-05	3.17E-05	3.18E-05	3.30E-05	3.30E-05	3.30E-05	3.30E-05
9.63E+00	0.00E+00	2.06E-05	1.98E-05	1.98E-05	2.06E-05	2.06E-05	2.06E-05	2.06E-05
1.00E+01	0.00E+00	1.48E-05	1.42E-05	1.43E-05	1.48E-05	1.48E-05	1.48E-05	1.48E-05
1.02E+01	0.00E+00	1.25E-05	1.20E-05	1.20E-05	1.25E-05	1.25E-05	1.25E-05	1.25E-05
1.08E+01	0.00E+00	7.37E-06	7.06E-06	7.09E-06	7.37E-06	7.37E-06	7.37E-06	7.37E-06
1.14E+01	0.00E+00	4.21E-06	4.03E-06	4.05E-06	4.21E-06	4.21E-06	4.21E-06	4.21E-06
1.21E+01	0.00E+00	2.33E-06	2.23E-06	2.24E-06	2.33E-06	2.33E-06	2.33E-06	2.33E-06
1.28E+01	0.00E+00	1.25E-06	1.19E-06	1.20E-06	1.24E-06	1.25E-06	1.25E-06	1.25E-06
1.35E+01	0.00E+00	6.42E-07	6.13E-07	6.17E-07	6.41E-07	6.42E-07	6.42E-07	6.42E-07
1.43E+01	0.00E+00	3.18E-07	3.03E-07	3.06E-07	3.18E-07	3.18E-07	3.18E-07	3.18E-07
1.51E+01	0.00E+00	1.51E-07	1.44E-07	1.46E-07	1.51E-07	1.51E-07	1.51E-07	1.51E-07
1.60E+01	0.00E+00	6.90E-08	6.57E-08	6.63E-08	6.90E-08	6.90E-08	6.90E-08	6.90E-08
1.70E+01	0.00E+00	3.00E-08	2.86E-08	2.89E-08	3.00E-08	3.00E-08	3.00E-08	3.00E-08
1.80E+01	0.00E+00	1.25E-08	1.18E-08	1.18E-08	1.25E-08	1.25E-08	1.25E-08	1.25E-08
1.90E+01	0.00E+00	4.91E-09	4.66E-09	4.72E-09	4.91E-09	4.91E-09	4.91E-09	4.91E-09

2.01E+01 0.00E+00 1.83E-09 1.74E-09 1.76E-09 1.83E-09 1.83E-09 1.83E-09 1.83E-09

2.13E+01 0.00E+00 6.46E-10 6.12E-10 6.21E-10 6.45E-10 6.46E-10 6.46E-10 6.46E-10

2.25E+01 0.00E+00 2.14E-10 2.03E-10 2.06E-10 2.14E-10 2.14E-10 2.14E-10 2.14E-10

2.38E+01 0.00E+00 6.66E-11 6.30E-11 6.40E-11 6.66E-11 6.66E-11 6.66E-11 6.66E-11

2.52E+01 0.00E+00 1.94E-11 1.83E-11 1.86E-11 1.93E-11 1.94E-11 1.94E-11 1.94E-11

2.67E+01 0.00E+00 5.23E-12 4.94E-12 5.02E-12 5.23E-12 5.23E-12 5.23E-12 5.23E-12

2.82E+01 0.00E+00 1.31E-12 1.24E-12 1.26E-12 1.31E-12 1.31E-12 1.31E-12 1.31E-12

2.99E+01 0.00E+00 3.03E-13 2.86E-13 2.91E-13 3.03E-13 3.03E-13 3.03E-13 3.03E-13

3.00E+01 0.00E+00 2.73E-13 2.57E-13 2.62E-13 2.72E-13 2.73E-13 2.73E-13 2.73E-13 2.73E-13

3.16E+01 0.00E+00 6.43E-14 6.05E-14 6.17E-14 6.42E-14 6.43E-14 6.43E-14 6.43E-14

3.35E+01 0.00E+00 1.25E-14 1.17E-14 1.20E-14 1.25E-14 1.25E-14 1.25E-14 1.25E-14

3.54E+01 0.00E+00 2.20E-15 2.07E-15 2.11E-15 2.19E-15 2.20E-15 2.20E-15 2.20E-15

3.75E+01 0.00E+00 3.50E-16 3.28E-16 3.36E-16 3.49E-16 3.50E-16 3.50E-16 3.50E-16

3.97E+01 0.00E+00 5.01E-17 4.70E-17 4.80E-17 5.00E-17 5.00E-17 5.01E-17 5.01E-17

4.20E+01 0.00E+00 6.40E-18 5.99E-18 6.13E-18 6.39E-18 6.39E-18 6.40E-18 6.40E-18

4.44E+01 0.00E+00 7.25E-19 6.79E-19 6.95E-19 7.24E-19 7.25E-19 7.25E-19 7.25E-19

4.70E+01 0.00E+00 7.24E-20 6.77E-20 6.94E-20 7.22E-20 7.23E-20 7.24E-20 7.24E-20

4.97E+01 0.00E+00 6.32E-21 5.91E-21 6.06E-21 6.31E-21 6.32E-21 6.32E-21 6.32E-21

5.26E+01 0.00E+00 4.79E-22 4.47E-22 4.58E-22 4.78E-22 4.78E-22 4.79E-22 4.79E-22

5.57E+01 0.00E+00 3.12E-23 2.91E-23 2.99E-23 3.11E-23 3.12E-23 3.12E-23 3.12E-23

5.90E+01 0.00E+00 1.73E-24 1.61E-24 1.66E-24 1.73E-24 1.73E-24 1.73E-24 1.73E-24

24E+01 0.00E+00 8.15E-26 7.57E-26 7.79E-26 8.12E-26 8.14E-26 8.15E-26 8.15E-26

60E+01 0.00E+00 3.20E-27 2.97E-27 3.06E-27 3.19E-27 3.20E-27 3.20E-27 3.20E-27

99E+01 0.00E+00 1.04E-28 9.63E-29 9.93E-29 1.04E-28 1.04E-28 1.04E-28 1.04E-28

7.39E+01 0.00E+00 2.58E-30 2.47E-30 2.58E-30 2.58E-30 2.58E-30 2.58E-30 2.58E-30

7.82E+01 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

8.28E+01 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

8.76E+01 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

9.27E+01 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

9.81E+01 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

1.00E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

1.04E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

1.10E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

1.16E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

1.23E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

1.30E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

1.38E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

1.46E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

1.54E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

1.63E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

1.73E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

1.83E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

1.94E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

2.05E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

2.17E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

2.29E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

2.43E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

2.57E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

2.72E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

2.88E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

3.00E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

3.05E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

3.22E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

3.41E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

3.61E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

3.82E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

4.04E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

4.28E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

4.53E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

4.79E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

5.07E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

5.36E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

5.68E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

0.01E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

6.36E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

6.73E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

7.12E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

7.53E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

7.97E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

8.44E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

9.93E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

9.45E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

1.00E+03 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

Probabilistic results summary : RESRAD Default Parameters

File : C:\USERS\DNF\DOCUMENTS\FT CALHOUN\RESRAD INPUT FILES\SOIL UNCERTAINTY ANALYSIS\FCS SOIL UNCERTAINTY ANALYSIS CE-144.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	1.04E-01	1.09E-01	1.06E-01	1.05E-01	1.09E-01	1.09E-01	1.09E-01	1.09E-01
1.00E+00	4.25E-02	4.48E-02	4.35E-02	4.32E-02	4.48E-02	4.48E-02	4.48E-02	4.48E-02
1.06E+00	4.03E-02	4.26E-02	4.13E-02	4.10E-02	4.26E-02	4.26E-02	4.26E-02	4.26E-02
1.12E+00	3.82E-02	4.03E-02	3.91E-02	3.88E-02	4.03E-02	4.03E-02	4.03E-02	4.03E-02
1.19E+00	3.60E-02	3.80E-02	3.69E-02	3.66E-02	3.80E-02	3.80E-02	3.80E-02	3.80E-02
1.25E+00	3.39E-02	3.57E-02	3.47E-02	3.44E-02	3.57E-02	3.57E-02	3.57E-02	3.57E-02
1.33E+00	3.17E-02	3.35E-02	3.25E-02	3.23E-02	3.35E-02	3.35E-02	3.35E-02	3.35E-02
1.40E+00	2.96E-02	3.13E-02	3.03E-02	3.01E-02	3.13E-02	3.13E-02	3.13E-02	3.13E-02
1.49E+00	2.75E-02	2.91E-02	2.82E-02	2.80E-02	2.91E-02	2.91E-02	2.91E-02	2.91E-02
1.57E+00	2.55E-02	2.69E-02	2.61E-02	2.59E-02	2.69E-02	2.69E-02	2.69E-02	2.69E-02
1.66E+00	2.35E-02	2.48E-02	2.41E-02	2.39E-02	2.48E-02	2.48E-02	2.48E-02	2.48E-02
1.76E+00	2.15E-02	2.28E-02	2.21E-02	2.19E-02	2.27E-02	2.27E-02	2.27E-02	2.27E-02
1.86E+00	1.96E-02	2.08E-02	2.01E-02	2.00E-02	2.08E-02	2.08E-02	2.08E-02	2.08E-02
1.97E+00	1.78E-02	1.88E-02	1.83E-02	1.82E-02	1.88E-02	1.88E-02	1.88E-02	1.88E-02
2.09E+00	1.61E-02	1.70E-02	1.65E-02	1.64E-02	1.70E-02	1.70E-02	1.70E-02	1.70E-02
2.21E+00	1.44E-02	1.53E-02	1.48E-02	1.47E-02	1.53E-02	1.53E-02	1.53E-02	1.53E-02
2.24E+00	1.29E-02	1.36E-02	1.32E-02	1.31E-02	1.36E-02	1.36E-02	1.36E-02	1.36E-02
2.47E+00	1.14E-02	1.21E-02	1.17E-02	1.16E-02	1.21E-02	1.21E-02	1.21E-02	1.21E-02
2.62E+00	1.00E-02	1.06E-02	1.03E-02	1.02E-02	1.06E-02	1.06E-02	1.06E-02	1.06E-02
2.77E+00	8.75E-03	9.26E-03	8.98E-03	8.92E-03	9.26E-03	9.26E-03	9.26E-03	9.26E-03
2.93E+00	7.57E-03	8.02E-03	7.78E-03	7.72E-03	8.02E-03	8.02E-03	8.02E-03	8.02E-03
3.00E+00	7.13E-03	7.55E-03	7.32E-03	7.27E-03	7.55E-03	7.55E-03	7.55E-03	7.55E-03
3.13E+00	6.50E-03	6.89E-03	6.68E-03	6.63E-03	6.89E-03	6.89E-03	6.89E-03	6.89E-03
3.28E+00	5.49E-03	5.86E-03	5.69E-03	5.65E-03	5.86E-03	5.86E-03	5.86E-03	5.86E-03
3.48E+00	4.57E-03	4.95E-03	4.80E-03	4.76E-03	4.95E-03	4.95E-03	4.95E-03	4.95E-03
3.68E+00	3.74E-03	4.13E-03	4.00E-03	3.97E-03	4.13E-03	4.13E-03	4.13E-03	4.13E-03
3.89E+00	2.98E-03	3.41E-03	3.31E-03	3.28E-03	3.41E-03	3.41E-03	3.41E-03	3.41E-03
4.12E+00	2.28E-03	2.79E-03	2.70E-03	2.68E-03	2.79E-03	2.79E-03	2.79E-03	2.79E-03
4.36E+00	1.60E-03	2.25E-03	2.18E-03	2.17E-03	2.25E-03	2.25E-03	2.25E-03	2.25E-03
4.61E+00	9.39E-04	1.80E-03	1.74E-03	1.73E-03	1.80E-03	1.80E-03	1.80E-03	1.80E-03
4.88E+00	4.34E-04	1.41E-03	1.37E-03	1.36E-03	1.41E-03	1.41E-03	1.41E-03	1.41E-03
5.17E+00	1.05E-04	1.10E-03	1.06E-03	1.06E-03	1.10E-03	1.10E-03	1.10E-03	1.10E-03
5.47E+00	4.22E-10	8.40E-04	8.11E-04	8.08E-04	8.40E-04	8.40E-04	8.40E-04	8.40E-04
5.57E+00	0.00E+00	6.32E-04	6.10E-04	6.09E-04	6.32E-04	6.32E-04	6.32E-04	6.32E-04
6.12E+00	0.00E+00	4.68E-04	4.52E-04	4.51E-04	4.68E-04	4.68E-04	4.68E-04	4.68E-04
6.48E+00	0.00E+00	3.41E-04	3.29E-04	3.28E-04	3.41E-04	3.41E-04	3.41E-04	3.41E-04
6.86E+00	0.00E+00	2.44E-04	2.35E-04	2.34E-04	2.44E-04	2.44E-04	2.44E-04	2.44E-04
7.26E+00	0.00E+00	1.71E-04	1.64E-04	1.64E-04	1.71E-04	1.71E-04	1.71E-04	1.71E-04
7.68E+00	0.00E+00	1.17E-04	1.13E-04	1.13E-04	1.17E-04	1.17E-04	1.17E-04	1.17E-04
8.13E+00	0.00E+00	7.87E-05	7.56E-05	7.57E-05	7.87E-05	7.87E-05	7.87E-05	7.87E-05
8.60E+00	0.00E+00	5.16E-05	4.96E-05	4.97E-05	5.16E-05	5.16E-05	5.16E-05	5.16E-05
9.10E+00	0.00E+00	3.30E-05	3.17E-05	3.18E-05	3.30E-05	3.30E-05	3.30E-05	3.30E-05
9.63E+00	0.00E+00	2.06E-05	1.98E-05	1.98E-05	2.06E-05	2.06E-05	2.06E-05	2.06E-05
1.00E+01	0.00E+00	1.48E-05	1.42E-05	1.43E-05	1.48E-05	1.48E-05	1.48E-05	1.48E-05
1.02E+01	0.00E+00	1.25E-05	1.20E-05	1.20E-05	1.25E-05	1.25E-05	1.25E-05	1.25E-05
1.08E+01	0.00E+00	7.37E-06	7.06E-06	7.09E-06	7.37E-06	7.37E-06	7.37E-06	7.37E-06
1.14E+01	0.00E+00	4.21E-06	4.03E-06	4.05E-06	4.21E-06	4.21E-06	4.21E-06	4.21E-06
1.21E+01	0.00E+00	2.33E-06	2.23E-06	2.24E-06	2.33E-06	2.33E-06	2.33E-06	2.33E-06
1.28E+01	0.00E+00	1.25E-06	1.19E-06	1.20E-06	1.24E-06	1.25E-06	1.25E-06	1.25E-06
1.35E+01	0.00E+00	6.42E-07	6.13E-07	6.17E-07	6.41E-07	6.42E-07	6.42E-07	6.42E-07
1.43E+01	0.00E+00	3.18E-07	3.03E-07	3.06E-07	3.18E-07	3.18E-07	3.18E-07	3.18E-07
1.51E+01	0.00E+00	1.51E-07	1.44E-07	1.46E-07	1.51E-07	1.51E-07	1.51E-07	1.51E-07
1.60E+01	0.00E+00	6.90E-08	6.57E-08	6.63E-08	6.90E-08	6.90E-08	6.90E-08	6.90E-08
1.70E+01	0.00E+00	3.00E-08	2.86E-08	2.89E-08	3.00E-08	3.00E-08	3.00E-08	3.00E-08
1.80E+01	0.00E+00	1.25E-08	1.18E-08	1.19E-08	1.25E-08	1.25E-08	1.25E-08	1.25E-08
1.90E+01	0.00E+00	4.91E-09	4.67E-09	4.72E-09	4.91E-09	4.91E-09	4.91E-09	4.91E-09

2.01E+01 0.00E+00 1.83E-09 1.74E-09 1.76E-09 1.83E-09 1.83E-09 1.83E-09 1.83E-09

2.13E+01 0.00E+00 6.46E-10 6.12E-10 6.21E-10 6.45E-10 6.46E-10 6.46E-10 6.46E-10

2.25E+01 0.00E+00 2.14E-10 2.03E-10 2.06E-10 2.14E-10 2.14E-10 2.14E-10 2.14E-10

2.38E+01 0.00E+00 6.66E-11 6.30E-11 6.40E-11 6.66E-11 6.66E-11 6.66E-11 6.66E-11

2.52E+01 0.00E+00 1.94E-11 1.83E-11 1.86E-11 1.93E-11 1.94E-11 1.94E-11 1.94E-11 1.94E-11

2.67E+01 0.00E+00 5.23E-12 4.94E-12 5.02E-12 5.23E-12 5.23E-12 5.23E-12 5.23E-12

2.82E+01 0.00E+00 1.31E-12 1.24E-12 1.26E-12 1.31E-12 1.31E-12 1.31E-12 1.31E-12

2.99E+01 0.00E+00 3.03E-13 2.86E-13 2.91E-13 3.03E-13 3.03E-13 3.03E-13 3.03E-13

3.00E+01 0.00E+00 2.73E-13 2.57E-13 2.62E-13 2.72E-13 2.73E-13 2.73E-13 2.73E-13

3.16E+01 0.00E+00 6.43E-14 6.06E-14 6.17E-14 6.42E-14 6.43E-14 6.43E-14 6.43E-14

3.35E+01 0.00E+00 1.25E-14 1.17E-14 1.20E-14 1.24E-14 1.25E-14 1.25E-14 1.25E-14

3.54E+01 0.00E+00 2.20E-15 2.07E-15 2.11E-15 2.19E-15 2.20E-15 2.20E-15 2.20E-15

3.75E+01 0.00E+00 3.50E-16 3.29E-16 3.36E-16 3.49E-16 3.50E-16 3.50E-16 3.50E-16

3.97E+01 0.00E+00 5.01E-17 4.69E-17 4.80E-17 5.00E-17 5.01E-17 5.01E-17 5.01E-17

4.20E+01 0.00E+00 6.40E-18 5.99E-18 6.13E-18 6.39E-18 6.40E-18 6.40E-18 6.40E-18

4.44E+01 0.00E+00 7.25E-19 6.79E-19 6.95E-19 7.24E-19 7.25E-19 7.25E-19 7.25E-19

4.70E+01 0.00E+00 7.24E-20 6.77E-20 6.94E-20 7.22E-20 7.24E-20 7.24E-20 7.24E-20

4.97E+01 0.00E+00 6.32E-21 5.90E-21 6.06E-21 6.31E-21 6.32E-21 6.32E-21 6.32E-21

5.26E+01 0.00E+00 4.79E-22 4.46E-22 4.59E-22 4.78E-22 4.79E-22 4.79E-22 4.79E-22

5.57E+01 0.00E+00 3.12E-23 2.91E-23 2.99E-23 3.11E-23 3.12E-23 3.12E-23 3.12E-23

5.90E+01 0.00E+00 1.73E-24 1.61E-24 1.66E-24 1.73E-24 1.73E-24 1.73E-24 1.73E-24

24E+01 0.00E+00 8.15E-26 7.57E-26 7.80E-26 8.12E-26 8.14E-26 8.15E-26 8.15E-26

60E+01 0.00E+00 3.20E-27 2.97E-27 3.06E-27 3.19E-27 3.20E-27 3.20E-27 3.20E-27

99E+01 0.00E+00 1.04E-28 9.64E-29 9.94E-29 1.04E-28 1.04E-28 1.04E-28 1.04E-28

7.39E+01 0.00E+00 2.58E-30 2.48E-30 2.58E-30 2.58E-30 2.58E-30 2.58E-30 2.58E-30

7.82E+01 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

8.28E+01 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

8.76E+01 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

9.27E+01 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

9.81E+01 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

1.00E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

1.04E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

1.10E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

1.16E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

1.23E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

1.30E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

1.38E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

1.46E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

1.54E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

1.63E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

1.73E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

1.83E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

1.94E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

2.05E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

2.17E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

2.29E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

2.43E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

2.57E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

2.72E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

2.88E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

3.00E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

3.05E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

3.22E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

3.41E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

3.61E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

3.82E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

4.04E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

4.28E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

4.53E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

4.79E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

5.07E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

5.36E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

5.68E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

0.01E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

6.36E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

6.73E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

7.12E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

7.53E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

7.97E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

8.44E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

9.93E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

9.45E+02 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

1.00E+03 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00

Probabilistic results summary : RESRAD Default Parameters

File : C:\USERS\DNF\DOCUMENTS\FT CALHOUN\RESRAD INPUT FILES\SOIL UNCERTAINTY ANALYSIS\FCS SOIL UNCERTAINTY ANALYSIS CE-144.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		1.060E-01
2	0.000E+00		1.060E-01
3	0.000E+00		1.060E-01

Title : RESRAD Default Parameters

Input File : FCS SOIL UNCERTAINTY ANALYSIS CE-144.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	2	-0.13	2	-0.04	18	0.00	18	0.00
Contaminated zone b parameter	15	-0.01	15	0.00	3	0.06	3	0.00
Evapotranspiration coefficient	10	-0.02	10	-0.01	8	0.04	8	0.00
Wind Speed	12	-0.01	12	0.00	10	-0.03	10	0.00
Runoff coefficient	4	-0.06	4	-0.02	4	0.06	4	0.00
Well pump intake depth	7	-0.04	7	-0.01	16	0.01	16	0.00
b Parameter of Unsaturated zone 1	3	-0.08	3	-0.02	17	0.00	17	0.00
Mass loading for inhalation	5	0.06	5	0.02	11	0.02	11	0.00
Indoor dust filtration factor	11	0.02	11	0.00	2	0.10	2	0.01
Depth of soil mixing layer	9	0.02	9	0.01	12	-0.02	12	0.00
Depth of roots	1	-0.96	1	-0.96	1	-1.00	1	-1.00
Wet weight crop yield of fruit, grain and non-leafy vegetables	16	-0.01	16	0.00	15	-0.01	15	0.00
Weathering removal constant of all vegetation	18	0.00	18	0.00	13	-0.01	13	0.00
Wet foliar interception fraction of leafy vegetables	14	-0.01	14	0.00	14	-0.01	14	0.00
Humidity in air	13	0.01	13	0.00	6	0.04	6	0.00
Kd of Ce-144 in Contaminated Zone	8	0.03	8	0.01	9	0.03	9	0.00
Kd of Ce-144 in Unsaturated Zone 1	6	0.05	6	0.01	5	0.06	5	0.00
Kd of Ce-144 in Saturated Zone	17	-0.01	17	0.00	7	0.04	7	0.00
R-SQUARE		0.92		0.92		0.99		0.99

-Rank is set to zero if the dose is zero or the correlation matrix is singular.

-R-SQUARE varies between 0 and 1 and is called the coefficient of determination; it provides a measure of the variation in the dependent variable (Dose) explained by regression on the independent variables.

Title : RESRAD Default Parameters

Input File : FCS SOIL UNCERTAINTY ANALYSIS CE-144.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	3	-0.12	3	-0.03	17	-0.01	17	0.00
Contaminated zone b parameter	13	-0.03	13	-0.01	16	0.01	16	0.00
Evapotranspiration coefficient	15	0.02	15	0.01	13	0.02	13	0.00
Wind Speed	16	-0.02	16	0.00	6	0.06	6	0.00
Runoff coefficient	10	0.05	10	0.01	15	0.01	15	0.00
Well pump intake depth	4	-0.11	4	-0.03	14	-0.02	14	0.00
b Parameter of Unsaturated zone 1	6	-0.09	6	-0.02	7	0.04	7	0.00
Mass loading for inhalation	2	0.13	2	0.04	2	0.11	2	0.01
Indoor dust filtration factor	5	0.09	5	0.03	8	0.04	8	0.00
Depth of soil mixing layer	17	-0.02	17	0.00	5	-0.09	5	-0.01
Depth of roots	1	-0.96	1	-0.96	1	-1.00	1	-1.00
Wet weight crop yield of fruit, grain and non-leafy vegetables	18	0.00	18	0.00	3	0.10	3	0.01
Weathering removal constant of all vegetation	8	0.07	8	0.02	12	0.02	12	0.00
Wet foliar interception fraction of leafy vegetables	11	0.03	11	0.01	4	0.09	4	0.01
Humidity in air	14	0.02	14	0.01	10	-0.03	10	0.00
Kd of Ce-144 in Contaminated Zone	9	-0.06	9	-0.02	9	0.03	9	0.00
Kd of Ce-144 in Unsaturated Zone 1	12	-0.03	12	-0.01	18	-0.01	18	0.00
Kd of Ce-144 in Saturated Zone	7	0.08	7	0.02	11	0.03	11	0.00
R-SQUARE		0.92		0.92		0.99		0.99

-Rank is set to zero if the dose is zero or the correlation matrix is singular.

-R-SQUARE varies between 0 and 1 and is called the coefficient of determination; it provides a measure of the variation in the dependent variable (Dose) explained by regression on the independent variables.

Title : RESRAD Default Parameters
 Input File : FCS SOIL UNCERTAINTY ANALYSIS CE-144.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	9 -0.04	9 -0.01	14 0.02	14 0.00
Contaminated zone b parameter	5 -0.06	5 -0.02	8 -0.04	8 0.00
Evapotranspiration coefficient	17 -0.01	17 0.00	9 -0.03	9 0.00
Wind Speed	8 -0.05	8 -0.01	3 -0.07	3 -0.01
Runoff coefficient	2 -0.09	2 -0.03	5 -0.04	5 0.00
Well pump intake depth	3 0.07	3 0.02	2 0.10	2 0.01
b Parameter of Unsaturated zone 1	14 0.03	14 0.01	12 -0.02	12 0.00
Mass loading for inhalation	15 0.02	15 0.01	16 0.01	16 0.00
Indoor dust filtration factor	13 0.03	13 0.01	10 0.03	10 0.00
Depth of soil mixing layer	11 -0.03	11 -0.01	13 -0.02	13 0.00
Depth of roots	1 -0.96	1 -0.96	1 -1.00	1 -1.00
Wet weight crop yield of fruit, grain and non-leafy vegetables	18 0.01	18 0.00	15 -0.01	15 0.00
Weathering removal constant of all vegetation	6 -0.06	6 -0.02	11 -0.03	11 0.00
Wet foliar interception fraction of leafy vegetables	12 -0.03	12 -0.01	4 0.04	4 0.00
Humidity in air	16 0.01	16 0.00	17 0.00	17 0.00
Kd of Ce-144 in Contaminated Zone	4 0.07	4 0.02	6 0.04	6 0.00
Kd of Ce-144 in Unsaturated Zone 1	7 -0.05	7 -0.02	7 0.04	7 0.00
Kd of Ce-144 in Saturated Zone	10 0.04	10 0.01	18 0.00	18 0.00

R-SQUARE	0.92	0.92	0.99	0.99
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-Rank is set to zero if the dose is zero or the correlation matrix is singular.
 -R-SQUARE varies between 0 and 1 and is called the coefficient of determination; it provides a measure of the variation in the dependent variable (Dose) explained by regression on the independent variables.