

Probabilistic results summary : RESRAD Default Parameters

File : C:\USERS\DNF\DOCUMENTS\FT CALHOUN\RESRAD INPUT FILES\SOIL UNCERTAINTY ANALYSIS\FCS SOIL UNCERTAINTY ANALYSIS CS-134.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
Cs-134										
Min	0.00E+00	4.66E+00	4.66E+00	3.31E+00	1.61E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	6.31E+00	6.31E+00	4.51E+00	2.30E+00	2.19E-01	2.63E-04	1.59E-14	0.00E+00	0.00E+00
Avg	0.00E+00	5.35E+00	5.35E+00	3.82E+00	1.95E+00	1.83E-01	2.15E-04	1.24E-14	0.00E+00	0.00E+00
Std	0.00E+00	5.98E-01	5.98E-01	4.28E-01	2.19E-01	2.82E-02	4.25E-05	3.02E-15	0.00E+00	0.00E+00
ALL										
Min	0.00E+00	4.66E+00	4.66E+00	3.31E+00	1.61E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	6.31E+00	6.31E+00	4.51E+00	2.30E+00	2.19E-01	2.63E-04	1.59E-14	0.00E+00	0.00E+00
Avg	0.00E+00	5.35E+00	5.35E+00	3.82E+00	1.95E+00	1.83E-01	2.15E-04	1.24E-14	0.00E+00	0.00E+00
Std	0.00E+00	5.98E-01	5.98E-01	4.28E-01	2.19E-01	2.82E-02	4.25E-05	3.02E-15	0.00E+00	0.00E+00

ALL is total dose summed for all nuclides.

Probabilistic Risk Summary

Nuclide		RISK(j,t)							
(j)	t=	0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
Cs-134									
Min		1.22E-04	8.70E-05	4.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		1.63E-04	1.16E-04	5.94E-05	5.65E-06	6.79E-09	4.10E-19	0.00E+00	0.00E+00
Avg		1.39E-04	9.93E-05	5.06E-05	4.75E-06	5.59E-09	3.23E-19	0.00E+00	0.00E+00
Std		1.48E-05	1.06E-05	5.42E-06	7.05E-07	1.08E-09	7.76E-20	0.00E+00	0.00E+00
ALL									
Min		1.22E-04	8.70E-05	4.33E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		1.63E-04	1.16E-04	5.94E-05	5.65E-06	6.79E-09	4.10E-19	0.00E+00	0.00E+00
Avg		1.39E-04	9.93E-05	5.06E-05	4.75E-06	5.59E-09	3.23E-19	0.00E+00	0.00E+00
Std		1.48E-05	1.06E-05	5.42E-06	7.05E-07	1.08E-09	7.76E-20	0.00E+00	0.00E+00

ALL is total risk summed for all nuclides.

Probabilistic Dose vs Pathway(i): Ground External

Nuclide		DOSE(i,j,t), mrem/yr							
(j)	t=	0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
Cs-134									
Min		3.76E+00	2.65E+00	1.31E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		3.79E+00	2.71E+00	1.38E+00	1.32E-01	1.58E-04	9.55E-15	0.00E+00	0.00E+00
Avg		3.79E+00	2.71E+00	1.38E+00	1.30E-01	1.54E-04	9.06E-15	0.00E+00	0.00E+00
Std		7.64E-04	1.69E-03	2.01E-03	1.34E-02	2.46E-05	1.91E-15	0.00E+00	0.00E+00
ΣALL									
Min		3.76E+00	2.65E+00	1.31E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		3.79E+00	2.71E+00	1.38E+00	1.32E-01	1.58E-04	9.55E-15	0.00E+00	0.00E+00
Avg		3.79E+00	2.71E+00	1.38E+00	1.30E-01	1.54E-04	9.06E-15	0.00E+00	0.00E+00
Std		7.64E-04	1.69E-03	2.01E-03	1.34E-02	2.46E-05	1.91E-15	0.00E+00	0.00E+00

ΣALL is total pathway dose summed for all nuclides.

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

Nuclide		DOSE(i,j,t), mrem/yr							
(j)	t=	0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
Cs-134									
Min		1.49E-09	1.07E-09	5.45E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		3.31E-06	2.37E-06	1.21E-06	1.15E-07	1.38E-10	8.33E-21	0.00E+00	0.00E+00
Avg		5.35E-07	3.82E-07	1.95E-07	1.83E-08	2.17E-11	1.28E-21	0.00E+00	0.00E+00
Std		3.25E-07	2.32E-07	1.18E-07	1.13E-08	1.38E-11	8.39E-22	0.00E+00	0.00E+00
ALL									
Min		1.49E-09	1.07E-09	5.45E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		3.31E-06	2.37E-06	1.21E-06	1.15E-07	1.38E-10	8.33E-21	0.00E+00	0.00E+00
Avg		5.35E-07	3.82E-07	1.95E-07	1.83E-08	2.17E-11	1.28E-21	0.00E+00	0.00E+00
Std		3.25E-07	2.32E-07	1.18E-07	1.13E-08	1.38E-11	8.39E-22	0.00E+00	0.00E+00

ALL is total pathway dose summed for all nuclides.

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

Nuclide		DOSE(i,j,t), mrem/yr							
(j)	t=	0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
Cs-134									
Min		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ALL									
Min		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

ALL is total pathway dose summed for all nuclides.

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

Nuclide		DOSE(i,j,t), mrem/yr							
(j)	t=	0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
Cs-134									
Min		1.63E-01	1.07E-01	3.46E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		6.50E-01	4.65E-01	2.37E-01	2.26E-02	2.71E-05	1.64E-15	0.00E+00	0.00E+00
Avg		3.66E-01	2.61E-01	1.32E-01	1.23E-02	1.43E-05	7.62E-16	0.00E+00	0.00E+00
Std		1.77E-01	1.27E-01	6.49E-02	6.30E-03	7.71E-06	4.69E-16	0.00E+00	0.00E+00
ΣALL									
Min		1.63E-01	1.07E-01	3.46E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		6.50E-01	4.65E-01	2.37E-01	2.26E-02	2.71E-05	1.64E-15	0.00E+00	0.00E+00
Avg		3.66E-01	2.61E-01	1.32E-01	1.23E-02	1.43E-05	7.62E-16	0.00E+00	0.00E+00
Std		1.77E-01	1.27E-01	6.49E-02	6.30E-03	7.71E-06	4.69E-16	0.00E+00	0.00E+00

ΣALL is total pathway dose summed for all nuclides.

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

Nuclide		DOSE(i,j,t), mrem/yr							
(j)	t=	0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
Cs-134									
Min		3.27E-01	2.28E-01	9.68E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		7.50E-01	5.36E-01	2.74E-01	2.60E-02	3.13E-05	1.89E-15	0.00E+00	0.00E+00
Avg		5.04E-01	3.59E-01	1.83E-01	1.71E-02	1.99E-05	1.11E-15	0.00E+00	0.00E+00
Std		1.53E-01	1.10E-01	5.63E-02	5.65E-03	7.15E-06	4.48E-16	0.00E+00	0.00E+00
ALL									
Min		3.27E-01	2.28E-01	9.68E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		7.50E-01	5.36E-01	2.74E-01	2.60E-02	3.13E-05	1.89E-15	0.00E+00	0.00E+00
Avg		5.04E-01	3.59E-01	1.83E-01	1.71E-02	1.99E-05	1.11E-15	0.00E+00	0.00E+00
Std		1.53E-01	1.10E-01	5.63E-02	5.65E-03	7.15E-06	4.48E-16	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							
(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/>									
Cs-134									
Min		3.85E-01	2.63E-01	1.02E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		1.12E+00	8.02E-01	4.10E-01	3.89E-02	4.68E-05	2.83E-15	0.00E+00	0.00E+00
Avg		6.93E-01	4.94E-01	2.51E-01	2.34E-02	2.72E-05	1.49E-15	0.00E+00	0.00E+00
Std		2.68E-01	1.91E-01	9.82E-02	9.65E-03	1.20E-05	7.37E-16	0.00E+00	0.00E+00
ALL									
Min		3.85E-01	2.63E-01	1.02E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		1.12E+00	8.02E-01	4.10E-01	3.89E-02	4.68E-05	2.83E-15	0.00E+00	0.00E+00
Avg		6.93E-01	4.94E-01	2.51E-01	2.34E-02	2.72E-05	1.49E-15	0.00E+00	0.00E+00
Std		2.68E-01	1.91E-01	9.82E-02	9.65E-03	1.20E-05	7.37E-16	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): Soil Ingestion

Nuclide		DOSE(i,j,t), mrem/yr							
(j)	t=	0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
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Cs-134									
Min		8.82E-04	6.21E-04	3.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		8.89E-04	6.35E-04	3.24E-04	3.08E-05	3.71E-08	2.24E-18	0.00E+00	0.00E+00
Avg		8.89E-04	6.35E-04	3.24E-04	3.04E-05	3.60E-08	2.13E-18	0.00E+00	0.00E+00
Std		1.79E-07	3.97E-07	7.16E-07	3.26E-06	5.86E-09	4.49E-19	0.00E+00	0.00E+00
ALL									
Min		8.82E-04	6.21E-04	3.03E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		8.89E-04	6.35E-04	3.24E-04	3.08E-05	3.71E-08	2.24E-18	0.00E+00	0.00E+00
Avg		8.89E-04	6.35E-04	3.24E-04	3.04E-05	3.60E-08	2.13E-18	0.00E+00	0.00E+00
Std		1.79E-07	3.97E-07	7.16E-07	3.26E-06	5.86E-09	4.49E-19	0.00E+00	0.00E+00
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Probabilistic Dose vs Pathway(i): Water Ingestion

Nuclide		DOSE(i,j,t), mrem/yr							
(j)	t=	0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
<hr/>									
Cs-134									
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	5.75E-10	1.33E-18	0.00E+00	0.00E+00
Avg		0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.88E-13	2.71E-21	0.00E+00	0.00E+00
Std		0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-11	4.04E-20	0.00E+00	0.00E+00
ALL									
Min		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.75E-10	1.33E-18	0.00E+00	0.00E+00
Avg		0.00E+00	0.00E+00	0.00E+00	0.00E+00	9.88E-13	2.71E-21	0.00E+00	0.00E+00
Std		0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.02E-11	4.04E-20	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/>									
Cs-134									
Min		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ALL									
Min		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
<hr/>									

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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/>									
Cs-134									
Min		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ALL									
Min		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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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 CS-134.RAD

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

Nuclide		DOSE(i,j,t), mrem/yr							
(j)	t=	0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
<hr/>									
Cs-134									
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	6.45E-11	8.62E-20	0.00E+00	0.00E+00
Avg		0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.44E-14	2.15E-22	0.00E+00	0.00E+00
Std		0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-12	3.11E-21	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	6.45E-11	8.62E-20	0.00E+00	0.00E+00
Avg		0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.44E-14	2.15E-22	0.00E+00	0.00E+00
Std		0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.79E-12	3.11E-21	0.00E+00	0.00E+00
<hr/>									

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 CS-134.RAD

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

Nuclide		DOSE(i,j,t), mrem/yr							
(j)	t=	0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
<hr/>									
Cs-134									
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	4.12E-10	9.56E-19	0.00E+00	0.00E+00
Avg		0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.41E-13	1.92E-21	0.00E+00	0.00E+00
Std		0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-11	2.93E-20	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	4.12E-10	9.56E-19	0.00E+00	0.00E+00
Avg		0.00E+00	0.00E+00	0.00E+00	0.00E+00	6.41E-13	1.92E-21	0.00E+00	0.00E+00
Std		0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.33E-11	2.93E-20	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 CS-134.RAD

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

Nuclide		DOSE(i, j, t), mrem/yr							
(j)	t =	0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
<hr/>									
Cs-134									
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	4.98E-10	1.16E-18	0.00E+00	0.00E+00
Avg		0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.41E-13	2.30E-21	0.00E+00	0.00E+00
Std		0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-11	3.55E-20	0.00E+00	0.00E+00
ALL									
Min		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.98E-10	1.16E-18	0.00E+00	0.00E+00
Avg		0.00E+00	0.00E+00	0.00E+00	0.00E+00	7.41E-13	2.30E-21	0.00E+00	0.00E+00
Std		0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.55E-11	3.55E-20	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 CS-134.RAD

Cumulative Probability Summary for: Total Dose Over Pathways

Cumulative	Dose(t), mrem/yr								
Probability	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		4.68E+00	3.34E+00	1.70E+00	1.61E-01	6.75E-05	0.00E+00	0.00E+00	0.00E+00
0.050		4.69E+00	3.35E+00	1.71E+00	1.62E-01	1.92E-04	1.08E-14	0.00E+00	0.00E+00
0.075		4.70E+00	3.36E+00	1.71E+00	1.62E-01	1.93E-04	1.12E-14	0.00E+00	0.00E+00
0.100		4.72E+00	3.37E+00	1.72E+00	1.63E-01	1.94E-04	1.13E-14	0.00E+00	0.00E+00
0.125		4.73E+00	3.38E+00	1.72E+00	1.63E-01	1.95E-04	1.14E-14	0.00E+00	0.00E+00
0.150		4.75E+00	3.39E+00	1.73E+00	1.64E-01	1.95E-04	1.15E-14	0.00E+00	0.00E+00
0.175		4.77E+00	3.40E+00	1.73E+00	1.64E-01	1.96E-04	1.16E-14	0.00E+00	0.00E+00
0.200		4.79E+00	3.42E+00	1.74E+00	1.65E-01	1.97E-04	1.16E-14	0.00E+00	0.00E+00
0.225		4.81E+00	3.43E+00	1.75E+00	1.66E-01	1.98E-04	1.17E-14	0.00E+00	0.00E+00
0.250		4.83E+00	3.45E+00	1.76E+00	1.66E-01	1.99E-04	1.17E-14	0.00E+00	0.00E+00
0.275		4.85E+00	3.46E+00	1.76E+00	1.67E-01	1.99E-04	1.18E-14	0.00E+00	0.00E+00
0.300		4.87E+00	3.48E+00	1.77E+00	1.68E-01	2.00E-04	1.18E-14	0.00E+00	0.00E+00
0.325		4.90E+00	3.50E+00	1.78E+00	1.69E-01	2.01E-04	1.19E-14	0.00E+00	0.00E+00
0.350		4.92E+00	3.51E+00	1.79E+00	1.69E-01	2.02E-04	1.19E-14	0.00E+00	0.00E+00
0.375		4.95E+00	3.54E+00	1.80E+00	1.71E-01	2.03E-04	1.20E-14	0.00E+00	0.00E+00
0.400		4.98E+00	3.56E+00	1.81E+00	1.71E-01	2.05E-04	1.20E-14	0.00E+00	0.00E+00
0.425		5.02E+00	3.58E+00	1.83E+00	1.73E-01	2.06E-04	1.21E-14	0.00E+00	0.00E+00
0.450		5.06E+00	3.61E+00	1.84E+00	1.74E-01	2.07E-04	1.22E-14	0.00E+00	0.00E+00
0.475		5.09E+00	3.63E+00	1.85E+00	1.75E-01	2.09E-04	1.22E-14	0.00E+00	0.00E+00
0.500		5.13E+00	3.66E+00	1.87E+00	1.77E-01	2.10E-04	1.23E-14	0.00E+00	0.00E+00
0.525		5.18E+00	3.69E+00	1.88E+00	1.78E-01	2.12E-04	1.24E-14	0.00E+00	0.00E+00
0.550		5.23E+00	3.73E+00	1.90E+00	1.80E-01	2.14E-04	1.25E-14	0.00E+00	0.00E+00
0.575		5.29E+00	3.77E+00	1.92E+00	1.82E-01	2.17E-04	1.26E-14	0.00E+00	0.00E+00
0.600		5.34E+00	3.82E+00	1.94E+00	1.84E-01	2.19E-04	1.28E-14	0.00E+00	0.00E+00
0.625		5.41E+00	3.87E+00	1.97E+00	1.86E-01	2.22E-04	1.29E-14	0.00E+00	0.00E+00
0.650		5.49E+00	3.92E+00	2.00E+00	1.89E-01	2.25E-04	1.31E-14	0.00E+00	0.00E+00
0.675		5.58E+00	3.98E+00	2.03E+00	1.92E-01	2.28E-04	1.32E-14	0.00E+00	0.00E+00
0.700		5.67E+00	4.05E+00	2.06E+00	1.95E-01	2.32E-04	1.34E-14	0.00E+00	0.00E+00
0.725		5.78E+00	4.13E+00	2.10E+00	1.99E-01	2.36E-04	1.36E-14	0.00E+00	0.00E+00
0.750		5.91E+00	4.22E+00	2.15E+00	2.03E-01	2.40E-04	1.38E-14	0.00E+00	0.00E+00
0.775		6.05E+00	4.32E+00	2.20E+00	2.08E-01	2.46E-04	1.41E-14	0.00E+00	0.00E+00
0.800		6.22E+00	4.43E+00	2.26E+00	2.14E-01	2.53E-04	1.44E-14	0.00E+00	0.00E+00
0.825		6.31E+00	4.51E+00	2.30E+00	2.18E-01	2.60E-04	1.49E-14	0.00E+00	0.00E+00
0.850		6.31E+00	4.51E+00	2.30E+00	2.19E-01	2.62E-04	1.54E-14	0.00E+00	0.00E+00
0.875		6.31E+00	4.51E+00	2.30E+00	2.19E-01	2.63E-04	1.56E-14	0.00E+00	0.00E+00
0.900		6.31E+00	4.51E+00	2.30E+00	2.19E-01	2.63E-04	1.58E-14	0.00E+00	0.00E+00
0.925		6.31E+00	4.51E+00	2.30E+00	2.19E-01	2.63E-04	1.58E-14	0.00E+00	0.00E+00
0.950		6.31E+00	4.51E+00	2.30E+00	2.19E-01	2.63E-04	1.59E-14	0.00E+00	0.00E+00
0.975		6.31E+00	4.51E+00	2.30E+00	2.19E-01	2.63E-04	1.59E-14	0.00E+00	0.00E+00
1.000		6.31E+00	4.51E+00	2.30E+00	2.19E-01	2.63E-04	1.59E-14	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 CS-134.RAD

Summary of dose at graphical times, reptition 1								
Time	Dose statistics at graphical times, mrem/yr							
Years	Minimum	Maximum	Mean	Median	90%	95%	97.5%	99%
0.00E+00	4.66E+00	6.31E+00	5.35E+00	5.13E+00	6.31E+00	6.31E+00	6.31E+00	6.31E+00
1.00E+00	3.33E+00	4.51E+00	3.82E+00	3.66E+00	4.51E+00	4.51E+00	4.51E+00	4.51E+00
1.06E+00	3.27E+00	4.42E+00	3.75E+00	3.59E+00	4.42E+00	4.42E+00	4.42E+00	4.42E+00
1.12E+00	3.20E+00	4.33E+00	3.67E+00	3.51E+00	4.33E+00	4.33E+00	4.33E+00	4.33E+00
1.19E+00	3.13E+00	4.24E+00	3.59E+00	3.44E+00	4.24E+00	4.24E+00	4.24E+00	4.24E+00
1.25E+00	3.06E+00	4.14E+00	3.51E+00	3.36E+00	4.14E+00	4.14E+00	4.14E+00	4.14E+00
1.33E+00	2.98E+00	4.04E+00	3.42E+00	3.28E+00	4.04E+00	4.04E+00	4.04E+00	4.04E+00
1.40E+00	2.91E+00	3.94E+00	3.33E+00	3.19E+00	3.94E+00	3.94E+00	3.94E+00	3.94E+00
1.49E+00	2.83E+00	3.83E+00	3.24E+00	3.11E+00	3.83E+00	3.83E+00	3.83E+00	3.83E+00
1.57E+00	2.75E+00	3.72E+00	3.15E+00	3.02E+00	3.72E+00	3.72E+00	3.72E+00	3.72E+00
1.66E+00	2.66E+00	3.61E+00	3.05E+00	2.92E+00	3.61E+00	3.61E+00	3.61E+00	3.61E+00
1.76E+00	2.58E+00	3.49E+00	2.96E+00	2.83E+00	3.49E+00	3.49E+00	3.49E+00	3.49E+00
1.86E+00	2.48E+00	3.37E+00	2.86E+00	2.73E+00	3.37E+00	3.37E+00	3.37E+00	3.37E+00
1.97E+00	2.39E+00	3.25E+00	2.75E+00	2.64E+00	3.25E+00	3.25E+00	3.25E+00	3.25E+00
2.09E+00	2.30E+00	3.13E+00	2.65E+00	2.54E+00	3.13E+00	3.13E+00	3.13E+00	3.13E+00
2.21E+00	2.20E+00	3.00E+00	2.54E+00	2.44E+00	3.00E+00	3.00E+00	3.00E+00	3.00E+00
2.34E+00	2.10E+00	2.88E+00	2.43E+00	2.33E+00	2.88E+00	2.88E+00	2.88E+00	2.88E+00
2.47E+00	2.00E+00	2.75E+00	2.33E+00	2.23E+00	2.75E+00	2.75E+00	2.75E+00	2.75E+00
2.62E+00	1.90E+00	2.62E+00	2.21E+00	2.12E+00	2.62E+00	2.62E+00	2.62E+00	2.62E+00
2.77E+00	1.80E+00	2.49E+00	2.10E+00	2.02E+00	2.49E+00	2.49E+00	2.49E+00	2.49E+00
2.93E+00	1.70E+00	2.36E+00	1.99E+00	1.91E+00	2.36E+00	2.36E+00	2.36E+00	2.36E+00
3.00E+00	1.66E+00	2.30E+00	1.95E+00	1.87E+00	2.30E+00	2.30E+00	2.30E+00	2.30E+00
3.10E+00	1.60E+00	2.22E+00	1.88E+00	1.80E+00	2.22E+00	2.22E+00	2.22E+00	2.22E+00
3.28E+00	1.49E+00	2.09E+00	1.77E+00	1.70E+00	2.09E+00	2.09E+00	2.09E+00	2.09E+00
3.48E+00	1.38E+00	1.96E+00	1.66E+00	1.59E+00	1.96E+00	1.96E+00	1.96E+00	1.96E+00
3.68E+00	1.27E+00	1.83E+00	1.55E+00	1.48E+00	1.83E+00	1.83E+00	1.83E+00	1.83E+00
3.89E+00	1.14E+00	1.71E+00	1.44E+00	1.38E+00	1.71E+00	1.71E+00	1.71E+00	1.71E+00
4.12E+00	1.01E+00	1.58E+00	1.34E+00	1.28E+00	1.58E+00	1.58E+00	1.58E+00	1.58E+00
4.36E+00	8.52E-01	1.46E+00	1.23E+00	1.18E+00	1.46E+00	1.46E+00	1.46E+00	1.46E+00
4.61E+00	6.55E-01	1.34E+00	1.13E+00	1.08E+00	1.34E+00	1.34E+00	1.34E+00	1.34E+00
4.88E+00	4.09E-01	1.22E+00	1.03E+00	9.90E-01	1.22E+00	1.22E+00	1.22E+00	1.22E+00
5.17E+00	1.96E-01	1.11E+00	9.37E-01	9.00E-01	1.11E+00	1.11E+00	1.11E+00	1.11E+00
5.47E+00	4.39E-02	1.00E+00	8.46E-01	8.13E-01	1.00E+00	1.00E+00	1.00E+00	1.00E+00
5.78E+00	2.68E-05	9.03E-01	7.60E-01	7.31E-01	9.03E-01	9.03E-01	9.03E-01	9.03E-01
6.12E+00	0.00E+00	8.06E-01	6.78E-01	6.52E-01	8.06E-01	8.06E-01	8.06E-01	8.06E-01
6.48E+00	0.00E+00	7.15E-01	6.01E-01	5.79E-01	7.15E-01	7.15E-01	7.15E-01	7.15E-01
6.86E+00	0.00E+00	6.30E-01	5.29E-01	5.10E-01	6.30E-01	6.30E-01	6.30E-01	6.30E-01
7.26E+00	0.00E+00	5.51E-01	4.62E-01	4.45E-01	5.51E-01	5.51E-01	5.51E-01	5.51E-01
7.68E+00	0.00E+00	4.78E-01	4.00E-01	3.86E-01	4.78E-01	4.78E-01	4.78E-01	4.78E-01
8.13E+00	0.00E+00	4.11E-01	3.44E-01	3.32E-01	4.11E-01	4.11E-01	4.11E-01	4.11E-01
8.60E+00	0.00E+00	3.51E-01	2.93E-01	2.83E-01	3.51E-01	3.51E-01	3.51E-01	3.51E-01
9.10E+00	0.00E+00	2.96E-01	2.48E-01	2.39E-01	2.96E-01	2.96E-01	2.96E-01	2.96E-01
9.63E+00	0.00E+00	2.48E-01	2.07E-01	2.00E-01	2.48E-01	2.48E-01	2.48E-01	2.48E-01
1.00E+01	0.00E+00	2.19E-01	1.83E-01	1.77E-01	2.19E-01	2.19E-01	2.19E-01	2.19E-01
1.02E+01	0.00E+00	2.05E-01	1.71E-01	1.66E-01	2.05E-01	2.05E-01	2.05E-01	2.05E-01
1.08E+01	0.00E+00	1.68E-01	1.40E-01	1.36E-01	1.68E-01	1.68E-01	1.68E-01	1.68E-01
1.14E+01	0.00E+00	1.36E-01	1.13E-01	1.10E-01	1.36E-01	1.36E-01	1.36E-01	1.36E-01
1.21E+01	0.00E+00	1.09E-01	9.06E-02	8.78E-02	1.09E-01	1.09E-01	1.09E-01	1.09E-01
1.28E+01	0.00E+00	8.60E-02	7.15E-02	6.92E-02	8.59E-02	8.60E-02	8.60E-02	8.60E-02
1.35E+01	0.00E+00	6.69E-02	5.56E-02	5.38E-02	6.69E-02	6.69E-02	6.69E-02	6.69E-02
1.43E+01	0.00E+00	5.14E-02	4.26E-02	4.13E-02	5.13E-02	5.14E-02	5.14E-02	5.14E-02
1.51E+01	0.00E+00	3.88E-02	3.22E-02	3.12E-02	3.88E-02	3.88E-02	3.88E-02	3.88E-02
1.60E+01	0.00E+00	2.88E-02	2.39E-02	2.32E-02	2.88E-02	2.88E-02	2.88E-02	2.88E-02
1.70E+01	0.00E+00	2.11E-02	1.74E-02	1.69E-02	2.11E-02	2.11E-02	2.11E-02	2.11E-02
1.80E+01	0.00E+00	1.51E-02	1.25E-02	1.21E-02	1.51E-02	1.51E-02	1.51E-02	1.51E-02
1.90E+01	0.00E+00	1.06E-02	8.78E-03	8.52E-03	1.06E-02	1.06E-02	1.06E-02	1.06E-02

2.01E+01 0.00E+00 7.33E-03 6.05E-03 5.87E-03 7.33E-03 7.33E-03 7.33E-03 7.33E-03

2.13E+01	0.00E+00	4.95E-03	4.07E-03	3.96E-03	4.94E-03	4.95E-03	4.95E-03	4.95E-03
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2.25E+01	0.00E+00	3.26E-03	2.68E-03	2.61E-03	3.26E-03	3.26E-03	3.26E-03	3.26E-03
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2.38E+01	0.00E+00	2.10E-03	1.72E-03	1.68E-03	2.10E-03	2.10E-03	2.10E-03	2.10E-03
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2.52E+01	0.00E+00	1.32E-03	1.08E-03	1.05E-03	1.31E-03	1.32E-03	1.32E-03	1.32E-03
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2.67E+01	0.00E+00	8.03E-04	6.59E-04	6.42E-04	8.02E-04	8.03E-04	8.03E-04	8.03E-04
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2.82E+01	0.00E+00	4.76E-04	3.90E-04	3.80E-04	4.76E-04	4.76E-04	4.76E-04	4.76E-04
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2.99E+01	0.00E+00	2.74E-04	2.24E-04	2.19E-04	2.74E-04	2.74E-04	2.74E-04	2.74E-04
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3.00E+01	0.00E+00	2.63E-04	2.15E-04	2.10E-04	2.63E-04	2.63E-04	2.63E-04	2.63E-04
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3.16E+01	0.00E+00	1.53E-04	1.25E-04	1.22E-04	1.52E-04	1.53E-04	1.53E-04	1.53E-04
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3.35E+01 0.00E+00 8.22E-05 6.70E-05 6.55E-05 8.21E-05 8.21E-05 8.21E-05 8.22E-05

3.54E+01	0.00E+00	4.27E-05	3.48E-05	3.40E-05	4.26E-05	4.26E-05	4.27E-05	4.27E-05
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3.75E+01	0.00E+00	2.13E-05	1.73E-05	1.70E-05	2.13E-05	2.13E-05	2.13E-05	2.13E-05
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3.97E+01 0.00E+00 1.02E-05 8.31E-06 8.14E-06 1.02E-05 1.02E-05 1.02E-05 1.02E-05

4.20E+01 0.00E+00 4.71E-06 3.82E-06 3.74E-06 4.70E-06 4.71E-06 4.71E-06 4.71E-06

4.44E+01 0.00E+00 2.07E-06 1.67E-06 1.64E-06 2.07E-06 2.07E-06 2.07E-06 2.07E-06

4.70E+01 0.00E+00 8.67E-07 7.00E-07 6.88E-07 8.65E-07 8.67E-07 8.67E-07 8.67E-07

4.97E+01 0.00E+00 3.45E-07 2.78E-07 2.74E-07 3.45E-07 3.45E-07 3.45E-07 3.45E-07

5.26E+01	0.00E+00	1.30E-07	1.05E-07	1.03E-07	1.30E-07	1.30E-07	1.30E-07	1.30E-07
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5.57E+01	0.00E+00	4.65E-08	3.74E-08	3.68E-08	4.64E-08	4.65E-08	4.65E-08	4.65E-08
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5.90E+01	0.00E+00	1.56E-08	1.25E-08	1.24E-08	1.56E-08	1.56E-08	1.56E-08	1.56E-08
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6.24E+01	0.00E+00	4.93E-09	3.94E-09	3.89E-09	4.91E-09	4.92E-09	4.93E-09	4.93E-09
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6.60E+01	0.00E+00	1.45E-09	1.16E-09	1.14E-09	1.45E-09	1.45E-09	1.45E-09	1.45E-09
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6.99E+01	0.00E+00	3.99E-10	3.17E-10	3.13E-10	3.97E-10	3.98E-10	3.99E-10	3.99E-10
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7.39E+01 0.00E+00 1.01E-10 8.05E-11 7.96E-11 1.01E-10 1.01E-10 1.01E-10 1.01E-10

7.82E+01	0.00E+00	2.39E-11	1.89E-11	1.87E-11	2.37E-11	2.38E-11	2.38E-11	2.39E-11
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8.28E+01	0.00E+00	5.15E-12	4.07E-12	4.02E-12	5.13E-12	5.15E-12	5.15E-12	5.15E-12
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8.76E+01	0.00E+00	1.02E-12	8.02E-13	7.93E-13	1.01E-12	1.02E-12	1.02E-12	1.02E-12
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9.27E+01 0.00E+00 1.83E-13 1.44E-13 1.42E-13 1.82E-13 1.83E-13 1.83E-13 1.83E-13

9.81E+01	0.00E+00	2.98E-14	2.33E-14	2.31E-14	2.96E-14	2.98E-14	2.98E-14	2.98E-14
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1.00E+02	0.00E+00	1.59E-14	1.24E-14	1.23E-14	1.58E-14	1.59E-14	1.59E-14	1.59E-14
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1.04E+02	0.00E+00	4.36E-15	3.40E-15	3.36E-15	4.32E-15	4.35E-15	4.36E-15	4.36E-15
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1.10E+02 0.00E+00 5.71E-16 4.44E-16 4.40E-16 5.65E-16 5.70E-16 5.70E-16 5.71E-16

1.16E+02 0.00E+00 6.63E-17 5.14E-17 5.10E-17 6.57E-17 6.62E-17 6.63E-17 6.63E-17

1.23E+02 0.00E+00 6.81E-18 5.25E-18 5.22E-18 6.73E-18 6.79E-18 6.80E-18 6.80E-18

1.30E+02 0.00E+00 6.11E-19 4.70E-19 4.68E-19 6.03E-19 6.09E-19 6.11E-19 6.11E-19

1.38E+02 0.00E+00 4.77E-20 3.65E-20 3.64E-20 4.69E-20 4.75E-20 4.77E-20 4.77E-20

1.46E+02	0.00E+00	3.21E-21	2.45E-21	2.44E-21	3.13E-21	3.20E-21	3.21E-21	3.21E-21
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1.54E+02 0.00E+00 1.84E-22 1.40E-22 1.40E-22 1.80E-22 1.84E-22 1.84E-22 1.84E-22

1.63E+02 0.00E+00 8.97E-24 6.76E-24 6.76E-24 8.74E-24 8.94E-24 8.97E-24 8.97E-24

1.73E+02	0.00E+00	3.66E-25	2.74E-25	2.75E-25	3.56E-25	3.65E-25	3.66E-25	3.66E-25
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1.83E+02 0.00E+00 1.24E-26 9.19E-27 9.29E-27 1.20E-26 1.23E-26 1.24E-26 1.24E-26

1.94E+02	0.00E+00	3.45E-28	2.52E-28	2.56E-28	3.32E-28	3.43E-28	3.45E-28	3.45E-28
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2.05E+02 0.00E+00 6.06E-30 4.43E-30 4.65E-30 5.88E-30 6.02E-30 6.05E-30 6.06E-30

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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
```


[illegible]

[illegible]


```
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
```

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

```
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
```


[illegible]

[illegible]

```
6.01E+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
```

[illegible]

[illegible]

[illegible]

[illegible]

```
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
```


[illegible]

[illegible]

[illegible]

[illegible]

Probabilistic results summary : RESRAD Default Parameters

File : C:\USERS\DNF\DOCUMENTS\FT CALHOUN\RESRAD INPUT FILES\SOIL UNCERTAINTY ANALYSIS\FCS SOIL UNCERTAINTY ANALYSIS CS-134.RAD

Summary of dose at graphical times, reptition 2								
Time	Dose statistics at graphical times, mrem/yr							
Years	Minimum	Maximum	Mean	Median	90%	95%	97.5%	99%
0.00E+00	4.66E+00	6.31E+00	5.35E+00	5.14E+00	6.31E+00	6.31E+00	6.31E+00	6.31E+00
1.00E+00	3.33E+00	4.51E+00	3.82E+00	3.66E+00	4.51E+00	4.51E+00	4.51E+00	4.51E+00
1.06E+00	3.26E+00	4.42E+00	3.75E+00	3.59E+00	4.42E+00	4.42E+00	4.42E+00	4.42E+00
1.12E+00	3.20E+00	4.33E+00	3.67E+00	3.52E+00	4.33E+00	4.33E+00	4.33E+00	4.33E+00
1.19E+00	3.13E+00	4.24E+00	3.59E+00	3.44E+00	4.24E+00	4.24E+00	4.24E+00	4.24E+00
1.25E+00	3.05E+00	4.14E+00	3.51E+00	3.36E+00	4.14E+00	4.14E+00	4.14E+00	4.14E+00
1.33E+00	2.98E+00	4.04E+00	3.42E+00	3.28E+00	4.04E+00	4.04E+00	4.04E+00	4.04E+00
1.40E+00	2.90E+00	3.94E+00	3.33E+00	3.19E+00	3.94E+00	3.94E+00	3.94E+00	3.94E+00
1.49E+00	2.82E+00	3.83E+00	3.24E+00	3.11E+00	3.83E+00	3.83E+00	3.83E+00	3.83E+00
1.57E+00	2.74E+00	3.72E+00	3.15E+00	3.02E+00	3.72E+00	3.72E+00	3.72E+00	3.72E+00
1.66E+00	2.66E+00	3.61E+00	3.05E+00	2.93E+00	3.61E+00	3.61E+00	3.61E+00	3.61E+00
1.76E+00	2.57E+00	3.49E+00	2.96E+00	2.83E+00	3.49E+00	3.49E+00	3.49E+00	3.49E+00
1.86E+00	2.48E+00	3.37E+00	2.86E+00	2.74E+00	3.37E+00	3.37E+00	3.37E+00	3.37E+00
1.97E+00	2.38E+00	3.25E+00	2.75E+00	2.64E+00	3.25E+00	3.25E+00	3.25E+00	3.25E+00
2.09E+00	2.28E+00	3.13E+00	2.65E+00	2.54E+00	3.13E+00	3.13E+00	3.13E+00	3.13E+00
2.21E+00	2.18E+00	3.00E+00	2.54E+00	2.43E+00	3.00E+00	3.00E+00	3.00E+00	3.00E+00
2.34E+00	2.08E+00	2.88E+00	2.43E+00	2.33E+00	2.88E+00	2.88E+00	2.88E+00	2.88E+00
2.47E+00	1.98E+00	2.75E+00	2.32E+00	2.23E+00	2.75E+00	2.75E+00	2.75E+00	2.75E+00
2.62E+00	1.87E+00	2.62E+00	2.21E+00	2.12E+00	2.62E+00	2.62E+00	2.62E+00	2.62E+00
2.77E+00	1.77E+00	2.49E+00	2.10E+00	2.02E+00	2.49E+00	2.49E+00	2.49E+00	2.49E+00
2.93E+00	1.66E+00	2.36E+00	1.99E+00	1.91E+00	2.36E+00	2.36E+00	2.36E+00	2.36E+00
3.00E+00	1.61E+00	2.30E+00	1.95E+00	1.87E+00	2.30E+00	2.30E+00	2.30E+00	2.30E+00
3.10E+00	1.54E+00	2.22E+00	1.88E+00	1.80E+00	2.22E+00	2.22E+00	2.22E+00	2.22E+00
3.28E+00	1.43E+00	2.09E+00	1.77E+00	1.70E+00	2.09E+00	2.09E+00	2.09E+00	2.09E+00
3.48E+00	1.31E+00	1.96E+00	1.66E+00	1.59E+00	1.96E+00	1.96E+00	1.96E+00	1.96E+00
3.68E+00	1.17E+00	1.83E+00	1.55E+00	1.49E+00	1.83E+00	1.83E+00	1.83E+00	1.83E+00
3.89E+00	1.03E+00	1.71E+00	1.44E+00	1.38E+00	1.71E+00	1.71E+00	1.71E+00	1.71E+00
4.12E+00	8.51E-01	1.58E+00	1.33E+00	1.28E+00	1.58E+00	1.58E+00	1.58E+00	1.58E+00
4.36E+00	6.23E-01	1.46E+00	1.23E+00	1.18E+00	1.46E+00	1.46E+00	1.46E+00	1.46E+00
4.61E+00	3.67E-01	1.34E+00	1.13E+00	1.08E+00	1.34E+00	1.34E+00	1.34E+00	1.34E+00
4.88E+00	1.61E-01	1.22E+00	1.03E+00	9.89E-01	1.22E+00	1.22E+00	1.22E+00	1.22E+00
5.17E+00	2.38E-02	1.11E+00	9.36E-01	8.98E-01	1.11E+00	1.11E+00	1.11E+00	1.11E+00
5.47E+00	2.48E-06	1.00E+00	8.45E-01	8.12E-01	1.00E+00	1.00E+00	1.00E+00	1.00E+00
5.78E+00	0.00E+00	9.03E-01	7.59E-01	7.29E-01	9.03E-01	9.03E-01	9.03E-01	9.03E-01
6.12E+00	0.00E+00	8.06E-01	6.77E-01	6.51E-01	8.06E-01	8.06E-01	8.06E-01	8.06E-01
6.48E+00	0.00E+00	7.15E-01	6.00E-01	5.77E-01	7.15E-01	7.15E-01	7.15E-01	7.15E-01
6.86E+00	0.00E+00	6.30E-01	5.28E-01	5.08E-01	6.30E-01	6.30E-01	6.30E-01	6.30E-01
7.26E+00	0.00E+00	5.51E-01	4.61E-01	4.45E-01	5.51E-01	5.51E-01	5.51E-01	5.51E-01
7.68E+00	0.00E+00	4.78E-01	4.00E-01	3.86E-01	4.78E-01	4.78E-01	4.78E-01	4.78E-01
8.13E+00	0.00E+00	4.11E-01	3.44E-01	3.32E-01	4.11E-01	4.11E-01	4.11E-01	4.11E-01
8.60E+00	0.00E+00	3.51E-01	2.93E-01	2.83E-01	3.51E-01	3.51E-01	3.51E-01	3.51E-01
9.10E+00	0.00E+00	2.96E-01	2.47E-01	2.39E-01	2.96E-01	2.96E-01	2.96E-01	2.96E-01
9.63E+00	0.00E+00	2.48E-01	2.07E-01	2.00E-01	2.48E-01	2.48E-01	2.48E-01	2.48E-01
1.00E+01	0.00E+00	2.19E-01	1.83E-01	1.76E-01	2.19E-01	2.19E-01	2.19E-01	2.19E-01
1.02E+01	0.00E+00	2.05E-01	1.71E-01	1.65E-01	2.05E-01	2.05E-01	2.05E-01	2.05E-01
1.08E+01	0.00E+00	1.68E-01	1.40E-01	1.35E-01	1.68E-01	1.68E-01	1.68E-01	1.68E-01
1.14E+01	0.00E+00	1.36E-01	1.13E-01	1.10E-01	1.36E-01	1.36E-01	1.36E-01	1.36E-01
1.21E+01	0.00E+00	1.09E-01	9.06E-02	8.77E-02	1.09E-01	1.09E-01	1.09E-01	1.09E-01
1.28E+01	0.00E+00	8.60E-02	7.14E-02	6.91E-02	8.59E-02	8.59E-02	8.60E-02	8.60E-02
1.35E+01	0.00E+00	6.69E-02	5.56E-02	5.38E-02	6.69E-02	6.69E-02	6.69E-02	6.69E-02
1.43E+01	0.00E+00	5.14E-02	4.26E-02	4.13E-02	5.13E-02	5.14E-02	5.14E-02	5.14E-02
1.51E+01	0.00E+00	3.88E-02	3.21E-02	3.12E-02	3.88E-02	3.88E-02	3.88E-02	3.88E-02
1.60E+01	0.00E+00	2.88E-02	2.39E-02	2.31E-02	2.88E-02	2.88E-02	2.88E-02	2.88E-02
1.70E+01	0.00E+00	2.11E-02	1.74E-02	1.69E-02	2.11E-02	2.11E-02	2.11E-02	2.11E-02
1.80E+01	0.00E+00	1.51E-02	1.25E-02	1.21E-02	1.51E-02	1.51E-02	1.51E-02	1.51E-02
1.90E+01	0.00E+00	1.06E-02	8.76E-03	8.53E-03	1.06E-02	1.06E-02	1.06E-02	1.06E-02

2.01E+01 0.00E+00 7.33E-03 6.04E-03 5.88E-03 7.33E-03 7.33E-03 7.33E-03 7.33E-03

2.13E+01 0.00E+00 4.95E-03 4.07E-03 3.96E-03 4.94E-03 4.94E-03 4.95E-03 4.95E-03

2.25E+01	0.00E+00	3.26E-03	2.68E-03	2.61E-03	3.26E-03	3.26E-03	3.26E-03	3.26E-03
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2.38E+01	0.00E+00	2.10E-03	1.72E-03	1.68E-03	2.10E-03	2.10E-03	2.10E-03	2.10E-03
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2.52E+01	0.00E+00	1.32E-03	1.08E-03	1.05E-03	1.31E-03	1.32E-03	1.32E-03	1.32E-03
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2.67E+01	0.00E+00	8.03E-04	6.57E-04	6.43E-04	8.02E-04	8.03E-04	8.03E-04	8.03E-04
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2.82E+01	0.00E+00	4.76E-04	3.89E-04	3.81E-04	4.76E-04	4.76E-04	4.76E-04	4.76E-04
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2.99E+01	0.00E+00	2.74E-04	2.24E-04	2.19E-04	2.74E-04	2.74E-04	2.74E-04	2.74E-04
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3.00E+01	0.00E+00	2.63E-04	2.15E-04	2.11E-04	2.63E-04	2.63E-04	2.63E-04	2.63E-04
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3.16E+01	0.00E+00	1.53E-04	1.24E-04	1.22E-04	1.52E-04	1.53E-04	1.53E-04	1.53E-04
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3.35E+01	0.00E+00	8.22E-05	6.69E-05	6.57E-05	8.20E-05	8.21E-05	8.21E-05	8.22E-05
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3.54E+01 0.00E+00 4.27E-05 3.47E-05 3.40E-05 4.26E-05 4.26E-05 4.27E-05 4.27E-05

3.75E+01	0.00E+00	2.13E-05	1.73E-05	1.70E-05	2.13E-05	2.13E-05	2.13E-05	2.13E-05
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3.97E+01	0.00E+00	1.02E-05	8.29E-06	8.15E-06	1.02E-05	1.02E-05	1.02E-05	1.02E-05
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4.20E+01 0.00E+00 4.71E-06 3.81E-06 3.74E-06 4.70E-06 4.70E-06 4.71E-06 4.71E-06

4.44E+01 0.00E+00 2.07E-06 1.67E-06 1.64E-06 2.06E-06 2.07E-06 2.07E-06 2.07E-06

4.70E+01 0.00E+00 8.67E-07 6.99E-07 6.87E-07 8.65E-07 8.67E-07 8.67E-07 8.67E-07

4.97E+01	0.00E+00	3.45E-07	2.78E-07	2.73E-07	3.45E-07	3.45E-07	3.45E-07	3.45E-07
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5.26E+01	0.00E+00	1.30E-07	1.05E-07	1.03E-07	1.30E-07	1.30E-07	1.30E-07	1.30E-07
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5.57E+01	0.00E+00	4.65E-08	3.73E-08	3.68E-08	4.64E-08	4.65E-08	4.65E-08	4.65E-08
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5.90E+01	0.00E+00	1.56E-08	1.25E-08	1.23E-08	1.56E-08	1.56E-08	1.56E-08	1.56E-08
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6.24E+01	0.00E+00	4.93E-09	3.93E-09	3.89E-09	4.91E-09	4.92E-09	4.93E-09	4.93E-09
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6.60E+01 0.00E+00 1.45E-09 1.16E-09 1.14E-09 1.45E-09 1.45E-09 1.45E-09 1.45E-09

6.99E+01	0.00E+00	3.99E-10	3.17E-10	3.13E-10	3.97E-10	3.98E-10	3.98E-10	3.99E-10
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7.39E+01	0.00E+00	1.01E-10	8.04E-11	7.95E-11	1.01E-10	1.01E-10	1.01E-10	1.01E-10
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7.82E+01	0.00E+00	2.39E-11	1.88E-11	1.87E-11	2.38E-11	2.38E-11	2.38E-11	2.39E-11
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8.28E+01	0.00E+00	5.15E-12	4.06E-12	4.02E-12	5.13E-12	5.15E-12	5.15E-12	5.15E-12
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8.76E+01	0.00E+00	1.02E-12	8.00E-13	7.92E-13	1.01E-12	1.02E-12	1.02E-12	1.02E-12
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9.27E+01 0.00E+00 1.83E-13 1.44E-13 1.42E-13 1.82E-13 1.83E-13 1.83E-13 1.83E-13

9.81E+01	0.00E+00	2.98E-14	2.33E-14	2.31E-14	2.96E-14	2.97E-14	2.98E-14	2.98E-14
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1.00E+02	0.00E+00	1.59E-14	1.24E-14	1.23E-14	1.58E-14	1.59E-14	1.59E-14	1.59E-14
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1.04E+02 0.00E+00 4.36E-15 3.40E-15 3.37E-15 4.34E-15 4.35E-15 4.36E-15 4.36E-15

1.10E+02 0.00E+00 5.71E-16 4.43E-16 4.39E-16 5.67E-16 5.70E-16 5.70E-16 5.71E-16

1.16E+02 0.00E+00 6.63E-17 5.14E-17 5.10E-17 6.58E-17 6.62E-17 6.63E-17 6.63E-17

1.23E+02 0.00E+00 6.80E-18 5.25E-18 5.22E-18 6.75E-18 6.79E-18 6.80E-18 6.80E-18

1.30E+02 0.00E+00 6.11E-19 4.70E-19 4.67E-19 6.05E-19 6.09E-19 6.11E-19 6.11E-19

1.38E+02 0.00E+00 4.77E-20 3.65E-20 3.63E-20 4.72E-20 4.76E-20 4.76E-20 4.77E-20

1.46E+02 0.00E+00 3.21E-21 2.44E-21 2.44E-21 3.17E-21 3.20E-21 3.20E-21 3.21E-21

1.54E+02 0.00E+00 1.84E-22 1.40E-22 1.40E-22 1.82E-22 1.84E-22 1.84E-22 1.84E-22

1.63E+02 0.00E+00 8.97E-24 6.76E-24 6.78E-24 8.84E-24 8.94E-24 8.96E-24 8.97E-24

1.73E+02	0.00E+00	3.66E-25	2.74E-25	2.76E-25	3.60E-25	3.65E-25	3.66E-25	3.66E-25
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1.83E+02	0.00E+00	1.24E-26	9.19E-27	9.30E-27	1.21E-26	1.24E-26	1.24E-26	1.24E-26
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1.94E+02 0.00E+00 3.45E-28 2.52E-28 2.58E-28 3.36E-28 3.43E-28 3.44E-28 3.45E-28

2.05E+02 0.00E+00 6.06E-30 4.41E-30 4.65E-30 5.94E-30 6.03E-30 6.05E-30 6.06E-30

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6.01E+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
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Summary of dose at graphical times, reptition 3								
Time	Dose statistics at graphical times, mrem/yr							
Years	Minimum	Maximum	Mean	Median	90%	95%	97.5%	99%
0.00E+00	4.66E+00	6.31E+00	5.35E+00	5.13E+00	6.31E+00	6.31E+00	6.31E+00	6.31E+00
1.00E+00	3.31E+00	4.51E+00	3.82E+00	3.67E+00	4.51E+00	4.51E+00	4.51E+00	4.51E+00
1.06E+00	3.24E+00	4.42E+00	3.75E+00	3.59E+00	4.42E+00	4.42E+00	4.42E+00	4.42E+00
1.12E+00	3.17E+00	4.33E+00	3.67E+00	3.52E+00	4.33E+00	4.33E+00	4.33E+00	4.33E+00
1.19E+00	3.10E+00	4.24E+00	3.59E+00	3.44E+00	4.24E+00	4.24E+00	4.24E+00	4.24E+00
1.25E+00	3.02E+00	4.14E+00	3.51E+00	3.36E+00	4.14E+00	4.14E+00	4.14E+00	4.14E+00
1.33E+00	2.95E+00	4.04E+00	3.42E+00	3.28E+00	4.04E+00	4.04E+00	4.04E+00	4.04E+00
1.40E+00	2.87E+00	3.94E+00	3.33E+00	3.20E+00	3.94E+00	3.94E+00	3.94E+00	3.94E+00
1.49E+00	2.79E+00	3.83E+00	3.24E+00	3.11E+00	3.83E+00	3.83E+00	3.83E+00	3.83E+00
1.57E+00	2.71E+00	3.72E+00	3.15E+00	3.02E+00	3.72E+00	3.72E+00	3.72E+00	3.72E+00
1.66E+00	2.62E+00	3.61E+00	3.05E+00	2.93E+00	3.61E+00	3.61E+00	3.61E+00	3.61E+00
1.76E+00	2.53E+00	3.49E+00	2.96E+00	2.83E+00	3.49E+00	3.49E+00	3.49E+00	3.49E+00
1.86E+00	2.44E+00	3.37E+00	2.86E+00	2.74E+00	3.37E+00	3.37E+00	3.37E+00	3.37E+00
1.97E+00	2.35E+00	3.25E+00	2.75E+00	2.64E+00	3.25E+00	3.25E+00	3.25E+00	3.25E+00
2.09E+00	2.26E+00	3.13E+00	2.65E+00	2.54E+00	3.13E+00	3.13E+00	3.13E+00	3.13E+00
2.21E+00	2.17E+00	3.00E+00	2.54E+00	2.44E+00	3.00E+00	3.00E+00	3.00E+00	3.00E+00
2.34E+00	2.07E+00	2.88E+00	2.43E+00	2.33E+00	2.88E+00	2.88E+00	2.88E+00	2.88E+00
2.47E+00	1.98E+00	2.75E+00	2.32E+00	2.23E+00	2.75E+00	2.75E+00	2.75E+00	2.75E+00
2.62E+00	1.88E+00	2.62E+00	2.21E+00	2.12E+00	2.62E+00	2.62E+00	2.62E+00	2.62E+00
2.77E+00	1.78E+00	2.49E+00	2.10E+00	2.02E+00	2.49E+00	2.49E+00	2.49E+00	2.49E+00
2.93E+00	1.68E+00	2.36E+00	1.99E+00	1.91E+00	2.36E+00	2.36E+00	2.36E+00	2.36E+00
3.00E+00	1.64E+00	2.30E+00	1.95E+00	1.87E+00	2.30E+00	2.30E+00	2.30E+00	2.30E+00
3.10E+00	1.59E+00	2.22E+00	1.88E+00	1.80E+00	2.22E+00	2.22E+00	2.22E+00	2.22E+00
3.28E+00	1.49E+00	2.09E+00	1.77E+00	1.70E+00	2.09E+00	2.09E+00	2.09E+00	2.09E+00
3.48E+00	1.39E+00	1.96E+00	1.66E+00	1.59E+00	1.96E+00	1.96E+00	1.96E+00	1.96E+00
3.68E+00	1.28E+00	1.83E+00	1.55E+00	1.48E+00	1.83E+00	1.83E+00	1.83E+00	1.83E+00
3.89E+00	1.13E+00	1.71E+00	1.44E+00	1.38E+00	1.71E+00	1.71E+00	1.71E+00	1.71E+00
4.12E+00	9.57E-01	1.58E+00	1.34E+00	1.28E+00	1.58E+00	1.58E+00	1.58E+00	1.58E+00
4.36E+00	7.35E-01	1.46E+00	1.23E+00	1.18E+00	1.46E+00	1.46E+00	1.46E+00	1.46E+00
4.61E+00	4.65E-01	1.34E+00	1.13E+00	1.08E+00	1.34E+00	1.34E+00	1.34E+00	1.34E+00
4.88E+00	2.31E-01	1.22E+00	1.03E+00	9.90E-01	1.22E+00	1.22E+00	1.22E+00	1.22E+00
5.17E+00	5.98E-02	1.11E+00	9.36E-01	8.99E-01	1.11E+00	1.11E+00	1.11E+00	1.11E+00
5.47E+00	1.25E-04	1.00E+00	8.46E-01	8.12E-01	1.00E+00	1.00E+00	1.00E+00	1.00E+00
5.78E+00	0.00E+00	9.03E-01	7.59E-01	7.30E-01	9.03E-01	9.03E-01	9.03E-01	9.03E-01
6.12E+00	0.00E+00	8.06E-01	6.77E-01	6.51E-01	8.06E-01	8.06E-01	8.06E-01	8.06E-01
6.48E+00	0.00E+00	7.15E-01	6.00E-01	5.78E-01	7.15E-01	7.15E-01	7.15E-01	7.15E-01
6.86E+00	0.00E+00	6.30E-01	5.28E-01	5.09E-01	6.30E-01	6.30E-01	6.30E-01	6.30E-01
7.26E+00	0.00E+00	5.51E-01	4.62E-01	4.45E-01	5.51E-01	5.51E-01	5.51E-01	5.51E-01
7.68E+00	0.00E+00	4.78E-01	4.00E-01	3.85E-01	4.78E-01	4.78E-01	4.78E-01	4.78E-01
8.13E+00	0.00E+00	4.11E-01	3.44E-01	3.32E-01	4.11E-01	4.11E-01	4.11E-01	4.11E-01
8.60E+00	0.00E+00	3.51E-01	2.93E-01	2.83E-01	3.51E-01	3.51E-01	3.51E-01	3.51E-01
9.10E+00	0.00E+00	2.96E-01	2.48E-01	2.39E-01	2.96E-01	2.96E-01	2.96E-01	2.96E-01
9.63E+00	0.00E+00	2.48E-01	2.07E-01	2.00E-01	2.48E-01	2.48E-01	2.48E-01	2.48E-01
1.00E+01	0.00E+00	2.19E-01	1.83E-01	1.76E-01	2.19E-01	2.19E-01	2.19E-01	2.19E-01
1.02E+01	0.00E+00	2.05E-01	1.71E-01	1.66E-01	2.05E-01	2.05E-01	2.05E-01	2.05E-01
1.08E+01	0.00E+00	1.68E-01	1.40E-01	1.36E-01	1.68E-01	1.68E-01	1.68E-01	1.68E-01
1.14E+01	0.00E+00	1.36E-01	1.13E-01	1.10E-01	1.36E-01	1.36E-01	1.36E-01	1.36E-01
1.21E+01	0.00E+00	1.09E-01	9.06E-02	8.78E-02	1.09E-01	1.09E-01	1.09E-01	1.09E-01
1.28E+01	0.00E+00	8.60E-02	7.14E-02	6.93E-02	8.60E-02	8.60E-02	8.60E-02	8.60E-02
1.35E+01	0.00E+00	6.69E-02	5.56E-02	5.39E-02	6.69E-02	6.69E-02	6.69E-02	6.69E-02
1.43E+01	0.00E+00	5.14E-02	4.26E-02	4.14E-02	5.13E-02	5.14E-02	5.14E-02	5.14E-02
1.51E+01	0.00E+00	3.88E-02	3.21E-02	3.12E-02	3.88E-02	3.88E-02	3.88E-02	3.88E-02
1.60E+01	0.00E+00	2.88E-02	2.39E-02	2.32E-02	2.88E-02	2.88E-02	2.88E-02	2.88E-02
1.70E+01	0.00E+00	2.11E-02	1.74E-02	1.69E-02	2.11E-02	2.11E-02	2.11E-02	2.11E-02
1.80E+01	0.00E+00	1.51E-02	1.25E-02	1.21E-02	1.51E-02	1.51E-02	1.51E-02	1.51E-02
1.90E+01	0.00E+00	1.06E-02	8.78E-03	8.54E-03	1.06E-02	1.06E-02	1.06E-02	1.06E-02

2.01E+01	0.00E+00	7.33E-03	6.04E-03	5.89E-03	7.33E-03	7.33E-03	7.33E-03	7.33E-03
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2.13E+01	0.00E+00	4.95E-03	4.07E-03	3.97E-03	4.94E-03	4.94E-03	4.95E-03	4.95E-03
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2.25E+01 0.00E+00 3.26E-03 2.68E-03 2.61E-03 3.26E-03 3.26E-03 3.26E-03 3.26E-03

2.38E+01	0.00E+00	2.10E-03	1.72E-03	1.68E-03	2.10E-03	2.10E-03	2.10E-03	2.10E-03
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2.52E+01	0.00E+00	1.32E-03	1.08E-03	1.05E-03	1.31E-03	1.32E-03	1.32E-03	1.32E-03
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2.67E+01	0.00E+00	8.03E-04	6.57E-04	6.42E-04	8.02E-04	8.03E-04	8.03E-04	8.03E-04
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2.82E+01	0.00E+00	4.76E-04	3.89E-04	3.81E-04	4.76E-04	4.76E-04	4.76E-04	4.76E-04
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2.99E+01	0.00E+00	2.74E-04	2.24E-04	2.19E-04	2.74E-04	2.74E-04	2.74E-04	2.74E-04
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3.00E+01	0.00E+00	2.63E-04	2.15E-04	2.10E-04	2.63E-04	2.63E-04	2.63E-04	2.63E-04
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3.16E+01	0.00E+00	1.53E-04	1.24E-04	1.22E-04	1.52E-04	1.53E-04	1.53E-04	1.53E-04
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3.35E+01	0.00E+00	8.22E-05	6.69E-05	6.55E-05	8.20E-05	8.21E-05	8.21E-05	8.22E-05
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3.54E+01 0.00E+00 4.27E-05 3.47E-05 3.40E-05 4.26E-05 4.26E-05 4.27E-05 4.27E-05

3.75E+01	0.00E+00	2.13E-05	1.73E-05	1.70E-05	2.13E-05	2.13E-05	2.13E-05	2.13E-05
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3.97E+01	0.00E+00	1.02E-05	8.29E-06	8.14E-06	1.02E-05	1.02E-05	1.02E-05	1.02E-05
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4.20E+01 0.00E+00 4.71E-06 3.81E-06 3.74E-06 4.70E-06 4.71E-06 4.71E-06 4.71E-06

4.44E+01 0.00E+00 2.07E-06 1.67E-06 1.64E-06 2.07E-06 2.07E-06 2.07E-06 2.07E-06

4.70E+01 0.00E+00 8.67E-07 7.00E-07 6.88E-07 8.65E-07 8.67E-07 8.67E-07 8.67E-07

4.97E+01	0.00E+00	3.45E-07	2.78E-07	2.74E-07	3.45E-07	3.45E-07	3.45E-07	3.45E-07
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5.26E+01	0.00E+00	1.30E-07	1.05E-07	1.03E-07	1.30E-07	1.30E-07	1.30E-07	1.30E-07
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5.57E+01	0.00E+00	4.65E-08	3.73E-08	3.68E-08	4.64E-08	4.65E-08	4.65E-08	4.65E-08
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5.90E+01	0.00E+00	1.56E-08	1.25E-08	1.23E-08	1.56E-08	1.56E-08	1.56E-08	1.56E-08
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6.24E+01	0.00E+00	4.93E-09	3.94E-09	3.89E-09	4.91E-09	4.92E-09	4.93E-09	4.93E-09
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6.60E+01 0.00E+00 1.45E-09 1.16E-09 1.15E-09 1.45E-09 1.45E-09 1.45E-09 1.45E-09

6.99E+01	0.00E+00	3.99E-10	3.17E-10	3.14E-10	3.97E-10	3.98E-10	3.99E-10	3.99E-10
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7.39E+01 0.00E+00 1.01E-10 8.06E-11 7.99E-11 1.01E-10 1.01E-10 1.01E-10 1.01E-10

7.82E+01	0.00E+00	2.39E-11	1.89E-11	1.88E-11	2.38E-11	2.38E-11	2.38E-11	2.39E-11
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8.28E+01	0.00E+00	5.15E-12	4.08E-12	4.05E-12	5.13E-12	5.15E-12	5.15E-12	5.15E-12
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8.76E+01	0.00E+00	1.02E-12	8.03E-13	7.98E-13	1.01E-12	1.02E-12	1.02E-12	1.02E-12
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9.27E+01 0.00E+00 1.83E-13 1.44E-13 1.43E-13 1.82E-13 1.83E-13 1.83E-13 1.83E-13

9.81E+01	0.00E+00	2.98E-14	2.33E-14	2.32E-14	2.96E-14	2.98E-14	2.98E-14	2.98E-14
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1.00E+02	0.00E+00	1.59E-14	1.24E-14	1.24E-14	1.58E-14	1.59E-14	1.59E-14	1.59E-14
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1.04E+02 0.00E+00 4.36E-15 3.41E-15 3.39E-15 4.33E-15 4.36E-15 4.36E-15 4.36E-15

1.10E+02 0.00E+00 5.71E-16 4.44E-16 4.42E-16 5.66E-16 5.70E-16 5.71E-16 5.71E-16

1.16E+02 0.00E+00 6.63E-17 5.15E-17 5.12E-17 6.58E-17 6.62E-17 6.63E-17 6.63E-17

1.23E+02 0.00E+00 6.80E-18 5.26E-18 5.24E-18 6.74E-18 6.79E-18 6.80E-18 6.80E-18

1.30E+02	0.00E+00	6.11E-19	4.70E-19	4.69E-19	6.05E-19	6.10E-19	6.11E-19	6.11E-19
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1.38E+02 0.00E+00 4.77E-20 3.66E-20 3.65E-20 4.72E-20 4.76E-20 4.77E-20 4.77E-20

1.46E+02	0.00E+00	3.21E-21	2.45E-21	2.45E-21	3.15E-21	3.20E-21	3.21E-21	3.21E-21
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1.54E+02 0.00E+00 1.84E-22 1.40E-22 1.40E-22 1.81E-22 1.84E-22 1.84E-22 1.84E-22

1.63E+02 0.00E+00 8.97E-24 6.77E-24 6.80E-24 8.79E-24 8.95E-24 8.97E-24 8.97E-24

1.73E+02	0.00E+00	3.66E-25	2.74E-25	2.76E-25	3.57E-25	3.65E-25	3.66E-25	3.66E-25
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1.83E+02 0.00E+00 1.24E-26 9.21E-27 9.32E-27 1.20E-26 1.24E-26 1.24E-26 1.24E-26

1.94E+02 0.00E+00 3.45E-28 2.53E-28 2.58E-28 3.34E-28 3.44E-28 3.45E-28 3.45E-28

2.05E+02 0.00E+00 6.06E-30 4.43E-30 4.65E-30 5.87E-30 6.03E-30 6.05E-30 6.06E-30

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6.01E+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
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Probabilistic results summary : RESRAD Default Parameters

File : C:\USERS\DNF\DOCUMENTS\FT CALHOUN\RESRAD INPUT FILES\SOIL UNCERTAINTY ANALYSIS\FCS SOIL UNCERTAINTY ANALYSIS CS-134.RAD

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

Repetition	Time of peak mean dose	Peak mean dose
	Years	mrem/yr
1	0.000E+00	5.352E+00
2	0.000E+00	5.352E+00
3	0.000E+00	5.352E+00

Title : RESRAD Default Parameters
Input File : FCS SOIL UNCERTAINTY ANALYSIS CS-134.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
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Contaminated zone erosion rate	2	-0.11	2	-0.04	17	0.00	17	0.00
Contaminated zone b parameter	15	-0.01	15	0.00	10	0.04	10	0.00
Evapotranspiration coefficient	10	-0.02	10	-0.01	6	0.05	6	0.00
Wind Speed	12	-0.01	12	0.00	11	-0.03	11	0.00
Runoff coefficient	4	-0.06	4	-0.02	4	0.05	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	13	-0.02	13	0.00
Mass loading for inhalation	5	0.06	5	0.02	14	-0.02	14	0.00
Indoor dust filtration factor	11	0.02	11	0.00	5	0.05	5	0.00
Depth of soil mixing layer	9	0.03	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	9	-0.04	9	0.00
Weathering removal constant of all vegetation	17	0.00	17	0.00	18	0.00	18	0.00
Wet foliar interception fraction of leafy vegetables	14	-0.01	14	0.00	15	-0.01	15	0.00
Humidity in air	13	0.01	13	0.00	8	0.04	8	0.00
Kd of Cs-134 in Contaminated Zone	8	0.03	8	0.01	3	0.07	3	0.01
Kd of Cs-134 in Unsaturated Zone 1	6	0.04	6	0.01	2	0.08	2	0.01
Kd of Cs-134 in Saturated Zone	18	0.00	18	0.00	7	0.05	7	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.

Title : RESRAD Default Parameters

Input File : FCS SOIL UNCERTAINTY ANALYSIS CS-134.RAD

Coefficients for peak All Pathways Dose

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

Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
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Contaminated zone erosion rate	4	-0.11	3	-0.03	17	-0.02	17	0.00
Contaminated zone b parameter	13	-0.02	13	-0.01	18	-0.02	18	0.00
Evapotranspiration coefficient	14	0.02	14	0.01	9	0.05	9	0.00
Wind Speed	16	-0.01	16	0.00	7	0.06	7	0.01
Runoff coefficient	8	0.05	8	0.01	15	0.02	15	0.00
Well pump intake depth	3	-0.11	4	-0.03	16	-0.02	16	0.00
b Parameter of Unsaturated zone 1	6	-0.09	6	-0.03	11	0.04	11	0.00
Mass loading for inhalation	2	0.12	2	0.03	4	0.09	4	0.01
Indoor dust filtration factor	5	0.09	5	0.03	12	0.04	12	0.00
Depth of soil mixing layer	17	-0.01	17	0.00	14	-0.02	14	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	0.00	18	0.00	2	0.11	2	0.01
Weathering removal constant of all vegetation	7	0.07	7	0.02	6	0.07	6	0.01
Wet foliar interception fraction of leafy vegetables	9	0.03	9	0.01	5	0.08	5	0.01
Humidity in air	12	0.03	12	0.01	13	-0.03	13	0.00
Kd of Cs-134 in Contaminated Zone	10	-0.03	10	-0.01	3	0.11	3	0.01
Kd of Cs-134 in Unsaturated Zone 1	11	-0.03	11	-0.01	10	-0.04	10	0.00
Kd of Cs-134 in Saturated Zone	15	0.02	15	0.01	8	0.05	8	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.

Title : RESRAD Default Parameters

Input File : FCS SOIL UNCERTAINTY ANALYSIS CS-134.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
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Contaminated zone erosion rate	9	-0.04	9	-0.01	13	0.02	13	0.00
Contaminated zone b parameter	6	-0.06	6	-0.02	5	-0.05	5	0.00
Evapotranspiration coefficient	17	-0.01	17	0.00	12	-0.02	12	0.00
Wind Speed	8	-0.05	8	-0.01	3	-0.07	3	-0.01
Runoff coefficient	2	-0.09	2	-0.03	6	-0.04	6	0.00
Well pump intake depth	3	0.07	3	0.02	4	0.06	4	0.01
b Parameter of Unsaturated zone 1	14	0.03	14	0.01	15	0.02	15	0.00
Mass loading for inhalation	15	0.02	15	0.01	17	0.01	17	0.00
Indoor dust filtration factor	13	0.03	13	0.01	18	0.01	18	0.00
Depth of soil mixing layer	10	-0.03	10	-0.01	9	-0.03	9	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	11	-0.03	11	0.00
Weathering removal constant of all vegetation	7	-0.05	7	-0.01	14	-0.02	14	0.00
Wet foliar interception fraction of leafy vegetables	11	-0.03	11	-0.01	8	0.03	8	0.00
Humidity in air	16	0.01	16	0.00	7	-0.03	7	0.00
Kd of Cs-134 in Contaminated Zone	4	0.07	4	0.02	2	0.10	2	0.01
Kd of Cs-134 in Unsaturated Zone 1	5	-0.06	5	-0.02	10	0.03	10	0.00
Kd of Cs-134 in Saturated Zone	12	0.03	12	0.01	16	0.02	16	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.