

Probabilistic results summary : RESRAD Default Parameters

File : C:\USERS\DNF\DOCUMENTS\FT CALHOUN\RESRAD INPUT FILES\SOIL UNCERTAINTY ANALYSIS\FCS SOIL UNCERTAINTY ANALYSIS TC-99.RAD

Table of Contents

Part VI: Uncertainty Analysis

RESRAD Uncertainty Analysis Results

Probabilistic Input	2
Total Dose	3
Total Risk	4
Dose vs Pathway: Ground External	5
Dose vs Pathway: Inhalation (w/o Radon)	6
Dose vs Pathway: Radon (Water Ind.)	7
Dose vs Pathway: Plant (Water Ind.)	8
Dose vs Pathway: Meat (Water Ind.)	9
Dose vs Pathway: Milk (Water Ind.)	10
Dose vs Pathway: Soil Ingestion	11
Dose vs Pathway: Water Ingestion	12
Dose vs Pathway: Fish Ingestion	13
Dose vs Pathway: Radon (Water Dep.)	14
Dose vs Pathway: Plant (Water Dep.)	15
Dose vs Pathway: Meat (Water Dep.)	16
Dose vs Pathway: Milk (Water Dep.)	17
Cumulative Probability Summary.....	18
Summary of dose at graphical times, reptition 1.....	19
Summary of dose at graphical times, reptition 2.....	20
Summary of dose at graphical times, reptition 3.....	21
Peak of the mean dose at graphical times.....	22
Correlation and Regression coefficients (if any).....	23

Probabilistic results summary : RESRAD Default Parameters

File : C:\USERS\DNF\DOCUMENTS\FT CALHOUN\RESRAD INPUT FILES\SOIL UNCERTAINTY ANALYSIS\FCS SOIL UNCERTAINTY ANALYSIS TC-99.RAD

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	
Tc-99											
Min	0.00E+00	3.95E-01	3.95E-01	1.96E-01	7.00E-02	3.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	2.31E+01	2.09E+00	2.09E+00	2.07E+00	2.02E+00	1.85E+00	1.46E+00	6.12E-01	6.42E-02	2.98E-04	
Avg	3.49E-01	1.05E+00	1.04E+00	8.31E-01	6.06E-01	3.58E-01	7.49E-02	6.08E-03	2.12E-04	2.09E-07	
Std	2.18E+00	4.96E-01	4.98E-01	4.27E-01	3.83E-01	2.93E-01	1.63E-01	3.48E-02	2.69E-03	7.71E-06	
ALL											
Min	0.00E+00	3.95E-01	3.95E-01	1.96E-01	7.00E-02	3.33E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	2.31E+01	2.09E+00	2.09E+00	2.07E+00	2.02E+00	1.85E+00	1.46E+00	6.12E-01	6.42E-02	2.98E-04	
Avg	3.49E-01	1.05E+00	1.04E+00	8.31E-01	6.06E-01	3.58E-01	7.49E-02	6.08E-03	2.12E-04	2.09E-07	
Std	2.18E+00	4.96E-01	4.98E-01	4.27E-01	3.83E-01	2.93E-01	1.63E-01	3.48E-02	2.69E-03	7.71E-06	

ALL is total 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 TC-99.RAD

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/>									
Tc-99									
Min		4.33E-05	2.01E-05	6.09E-06	3.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		1.73E-04	1.71E-04	1.67E-04	1.53E-04	1.20E-04	5.04E-05	5.27E-06	2.45E-08
Avg		9.75E-05	7.45E-05	5.05E-05	2.68E-05	5.81E-06	4.93E-07	1.74E-08	1.71E-11
Std		4.70E-05	3.72E-05	3.20E-05	2.36E-05	1.31E-05	2.85E-06	2.21E-07	6.32E-10
<hr/>									
ALL									
Min		4.33E-05	2.01E-05	6.09E-06	3.88E-08	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		1.73E-04	1.71E-04	1.67E-04	1.53E-04	1.20E-04	5.04E-05	5.27E-06	2.45E-08
Avg		9.75E-05	7.45E-05	5.05E-05	2.68E-05	5.81E-06	4.93E-07	1.74E-08	1.71E-11
Std		4.70E-05	3.72E-05	3.20E-05	2.36E-05	1.31E-05	2.85E-06	2.21E-07	6.32E-10
<hr/>									

ALL is total risk 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 TC-99.RAD

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
Tc-99								
Min	3.33E-05	8.87E-06	6.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	5.98E-05	5.94E-05	5.85E-05	5.54E-05	4.75E-05	2.78E-05	6.00E-06	2.80E-08
Avg	5.06E-05	3.68E-05	2.25E-05	8.18E-06	2.33E-06	3.69E-07	2.21E-08	3.40E-11
Std	5.88E-06	1.24E-05	1.56E-05	1.26E-05	6.87E-06	2.18E-06	2.71E-07	8.30E-10
ALL								
Min	3.33E-05	8.87E-06	6.28E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	5.98E-05	5.94E-05	5.85E-05	5.54E-05	4.75E-05	2.78E-05	6.00E-06	2.80E-08
Avg	5.06E-05	3.68E-05	2.25E-05	8.18E-06	2.33E-06	3.69E-07	2.21E-08	3.40E-11
Std	5.88E-06	1.24E-05	1.56E-05	1.26E-05	6.87E-06	2.18E-06	2.71E-07	8.30E-10

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 TC-99.RAD

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

Nuclide	DOSE(i,j,t), mrem/yr							
	t= 0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
Tc-99								
Min	3.00E-10	2.67E-10	2.13E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	6.15E-07	4.68E-07	2.93E-07	2.16E-07	1.52E-07	8.12E-08	1.75E-08	8.18E-11
Avg	9.55E-08	6.96E-08	4.24E-08	1.52E-08	4.15E-09	6.22E-10	3.84E-11	5.77E-14
Std	5.95E-08	5.03E-08	4.23E-08	2.76E-08	1.36E-08	4.18E-09	5.61E-10	2.11E-12
ALL								
Min	3.00E-10	2.67E-10	2.13E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	6.15E-07	4.68E-07	2.93E-07	2.16E-07	1.52E-07	8.12E-08	1.75E-08	8.18E-11
Avg	9.55E-08	6.96E-08	4.24E-08	1.52E-08	4.15E-09	6.22E-10	3.84E-11	5.77E-14
Std	5.95E-08	5.03E-08	4.23E-08	2.76E-08	1.36E-08	4.18E-09	5.61E-10	2.11E-12

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 TC-99.RAD

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/>								
Tc-99								
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
<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 TC-99.RAD

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
Tc-99								
Min	2.70E-01	8.17E-02	6.89E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	1.78E+00	1.75E+00	1.71E+00	1.57E+00	1.22E+00	5.12E-01	5.30E-02	2.46E-04
Avg	8.55E-01	6.21E-01	3.75E-01	1.34E-01	3.58E-02	4.54E-03	1.71E-04	1.72E-07
Std	4.25E-01	3.76E-01	3.39E-01	2.34E-01	1.15E-01	2.78E-02	2.20E-03	6.35E-06
ALL								
Min	2.70E-01	8.17E-02	6.89E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	1.78E+00	1.75E+00	1.71E+00	1.57E+00	1.22E+00	5.12E-01	5.30E-02	2.46E-04
Avg	8.55E-01	6.21E-01	3.75E-01	1.34E-01	3.58E-02	4.54E-03	1.71E-04	1.72E-07
Std	4.25E-01	3.76E-01	3.39E-01	2.34E-01	1.15E-01	2.78E-02	2.20E-03	6.35E-06

ALL is total pathway dose summed for all nuclides.

Probabilistic results summary : RESRAD Default Parameters

File : C:\USERS\DNF\DOCUMENTS\FT CALHOUN\RESRAD INPUT FILES\SOIL UNCERTAINTY ANALYSIS\FCS SOIL UNCERTAINTY ANALYSIS TC-99.RAD

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/>								
Tc-99								
Min	6.58E-04	2.07E-04	1.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	3.75E-03	3.70E-03	3.61E-03	3.31E-03	2.58E-03	1.08E-03	1.13E-04	5.23E-07
Avg	1.88E-03	1.37E-03	8.19E-04	2.88E-04	7.63E-05	9.64E-06	3.64E-07	3.65E-10
Std	9.19E-04	8.00E-04	7.21E-04	4.98E-04	2.45E-04	5.88E-05	4.69E-06	1.35E-08
<hr/>								
ALL								
Min	6.58E-04	2.07E-04	1.77E-05	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	3.75E-03	3.70E-03	3.61E-03	3.31E-03	2.58E-03	1.08E-03	1.13E-04	5.23E-07
Avg	1.88E-03	1.37E-03	8.19E-04	2.88E-04	7.63E-05	9.64E-06	3.64E-07	3.65E-10
Std	9.19E-04	8.00E-04	7.21E-04	4.98E-04	2.45E-04	5.88E-05	4.69E-06	1.35E-08
<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 TC-99.RAD

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

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
Tc-99								
Min	5.19E-02	1.61E-02	1.37E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	3.12E-01	3.09E-01	3.01E-01	2.76E-01	2.15E-01	9.00E-02	9.34E-03	4.34E-05
Avg	1.54E-01	1.12E-01	6.74E-02	2.38E-02	6.33E-03	8.00E-04	3.02E-05	3.03E-08
Std	7.59E-02	6.65E-02	5.99E-02	4.14E-02	2.03E-02	4.89E-03	3.89E-04	1.12E-06
ALL								
Min	5.19E-02	1.61E-02	1.37E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	3.12E-01	3.09E-01	3.01E-01	2.76E-01	2.15E-01	9.00E-02	9.34E-03	4.34E-05
Avg	1.54E-01	1.12E-01	6.74E-02	2.38E-02	6.33E-03	8.00E-04	3.02E-05	3.03E-08
Std	7.59E-02	6.65E-02	5.99E-02	4.14E-02	2.03E-02	4.89E-03	3.89E-04	1.12E-06

ALL is total pathway dose summed for all nuclides.

Probabilistic results summary : RESRAD Default Parameters

File : C:\USERS\DNF\DOCUMENTS\FT CALHOUN\RESRAD INPUT FILES\SOIL UNCERTAINTY ANALYSIS\FCS SOIL UNCERTAINTY ANALYSIS TC-99.RAD

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
Tc-99								
Min	1.16E-05	3.08E-06	2.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	2.08E-05	2.06E-05	2.03E-05	1.92E-05	1.65E-05	9.64E-06	2.08E-06	9.71E-09
Avg	1.75E-05	1.28E-05	7.80E-06	2.83E-06	8.07E-07	1.28E-07	7.30E-09	7.35E-12
Std	2.04E-06	4.31E-06	5.41E-06	4.36E-06	2.38E-06	7.56E-07	9.25E-08	2.52E-10
ALL								
Min	1.16E-05	3.08E-06	2.18E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	2.08E-05	2.06E-05	2.03E-05	1.92E-05	1.65E-05	9.64E-06	2.08E-06	9.71E-09
Avg	1.75E-05	1.28E-05	7.80E-06	2.83E-06	8.07E-07	1.28E-07	7.30E-09	7.35E-12
Std	2.04E-06	4.31E-06	5.41E-06	4.36E-06	2.38E-06	7.56E-07	9.25E-08	2.52E-10

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 TC-99.RAD

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
Tc-99								
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	2.81E-01	6.03E-01	7.90E-01	7.77E-01	3.47E-01	2.56E-02	1.40E-03	5.37E-06
Avg	2.29E-02	6.46E-02	1.08E-01	1.33E-01	2.15E-02	4.81E-04	6.73E-06	3.99E-09
Std	3.09E-02	7.71E-02	1.15E-01	1.10E-01	3.72E-02	2.22E-03	6.83E-05	1.39E-07
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	2.81E-01	6.03E-01	7.90E-01	7.77E-01	3.47E-01	2.56E-02	1.40E-03	5.37E-06
Avg	2.29E-02	6.46E-02	1.08E-01	1.33E-01	2.15E-02	4.81E-04	6.73E-06	3.99E-09
Std	3.09E-02	7.71E-02	1.15E-01	1.10E-01	3.72E-02	2.22E-03	6.83E-05	1.39E-07

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 TC-99.RAD

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
Tc-99								
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
TOTAL								
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

TOTAL 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 TC-99.RAD

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/>								
Tc-99								
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
<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 TC-99.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
Tc-99								
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	9.53E-02	2.18E-01	3.26E-01	4.97E-01	1.55E-01	1.10E-02	6.66E-04	2.35E-06
Avg	8.20E-03	2.43E-02	4.14E-02	5.13E-02	8.51E-03	1.94E-04	2.73E-06	1.74E-09
Std	1.11E-02	2.92E-02	4.48E-02	4.43E-02	1.49E-02	9.07E-04	2.87E-05	6.08E-08
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	9.53E-02	2.18E-01	3.26E-01	4.97E-01	1.55E-01	1.10E-02	6.66E-04	2.35E-06
Avg	8.20E-03	2.43E-02	4.14E-02	5.13E-02	8.51E-03	1.94E-04	2.73E-06	1.74E-09
Std	1.11E-02	2.92E-02	4.48E-02	4.43E-02	1.49E-02	9.07E-04	2.87E-05	6.08E-08

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 TC-99.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
Tc-99								
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	4.63E-04	1.16E-03	1.60E-03	1.76E-03	7.72E-04	5.38E-05	3.32E-06	1.09E-08
Avg	3.58E-05	1.19E-04	2.09E-04	2.60E-04	4.29E-05	9.41E-07	1.34E-08	8.18E-12
Std	4.93E-05	1.45E-04	2.25E-04	2.20E-04	7.48E-05	4.37E-06	1.41E-07	2.83E-10
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	4.63E-04	1.16E-03	1.60E-03	1.76E-03	7.72E-04	5.38E-05	3.32E-06	1.09E-08
Avg	3.58E-05	1.19E-04	2.09E-04	2.60E-04	4.29E-05	9.41E-07	1.34E-08	8.18E-12
Std	4.93E-05	1.45E-04	2.25E-04	2.20E-04	7.48E-05	4.37E-06	1.41E-07	2.83E-10

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 TC-99.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
Tc-99								
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	2.99E-02	7.16E-02	1.02E-01	1.17E-01	4.89E-02	3.37E-03	2.14E-04	6.72E-07
Avg	2.32E-03	7.33E-03	1.27E-02	1.57E-02	2.59E-03	5.68E-05	8.11E-07	5.03E-10
Std	3.20E-03	8.95E-03	1.38E-02	1.35E-02	4.57E-03	2.65E-04	8.69E-06	1.74E-08
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	2.99E-02	7.16E-02	1.02E-01	1.17E-01	4.89E-02	3.37E-03	2.14E-04	6.72E-07
Avg	2.32E-03	7.33E-03	1.27E-02	1.57E-02	2.59E-03	5.68E-05	8.11E-07	5.03E-10
Std	3.20E-03	8.95E-03	1.38E-02	1.35E-02	4.57E-03	2.65E-04	8.69E-06	1.74E-08

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 TC-99.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	4.64E-01	3.00E-01	1.50E-01	7.04E-02	3.33E-09	0.00E+00	0.00E+00	0.00E+00
0.050	4.87E-01	3.34E-01	1.79E-01	8.66E-02	7.04E-07	0.00E+00	0.00E+00	0.00E+00
0.075	5.03E-01	3.67E-01	2.00E-01	9.56E-02	2.94E-06	0.00E+00	0.00E+00	0.00E+00
0.100	5.18E-01	3.89E-01	2.21E-01	1.03E-01	1.16E-05	0.00E+00	0.00E+00	0.00E+00
0.125	5.34E-01	4.10E-01	2.41E-01	1.11E-01	4.28E-05	1.46E-28	0.00E+00	0.00E+00
0.150	5.46E-01	4.34E-01	2.60E-01	1.18E-01	8.09E-05	6.47E-27	0.00E+00	0.00E+00
0.175	5.65E-01	4.59E-01	2.80E-01	1.27E-01	1.25E-04	2.80E-25	0.00E+00	0.00E+00
0.200	5.82E-01	4.77E-01	2.97E-01	1.37E-01	2.10E-04	5.36E-24	0.00E+00	0.00E+00
0.225	5.97E-01	4.98E-01	3.12E-01	1.49E-01	3.18E-04	8.58E-23	0.00E+00	0.00E+00
0.250	6.17E-01	5.12E-01	3.25E-01	1.57E-01	5.39E-04	9.89E-22	0.00E+00	0.00E+00
0.275	6.35E-01	5.30E-01	3.44E-01	1.69E-01	7.61E-04	1.15E-20	0.00E+00	0.00E+00
0.300	6.60E-01	5.43E-01	3.59E-01	1.78E-01	1.04E-03	7.23E-20	0.00E+00	0.00E+00
0.325	6.82E-01	5.59E-01	3.77E-01	1.89E-01	1.44E-03	4.93E-19	0.00E+00	0.00E+00
0.350	7.02E-01	5.75E-01	3.98E-01	1.97E-01	2.07E-03	7.70E-18	0.00E+00	0.00E+00
0.375	7.18E-01	5.96E-01	4.14E-01	2.08E-01	2.55E-03	3.97E-17	0.00E+00	0.00E+00
0.400	7.43E-01	6.14E-01	4.36E-01	2.20E-01	3.16E-03	2.59E-16	0.00E+00	0.00E+00
0.425	7.73E-01	6.34E-01	4.53E-01	2.32E-01	4.13E-03	2.32E-15	0.00E+00	0.00E+00
0.450	8.05E-01	6.55E-01	4.69E-01	2.45E-01	5.48E-03	1.15E-14	0.00E+00	0.00E+00
0.475	8.37E-01	6.78E-01	4.89E-01	2.53E-01	7.02E-03	4.69E-14	0.00E+00	0.00E+00
0.500	8.69E-01	7.00E-01	5.05E-01	2.64E-01	9.47E-03	2.74E-13	0.00E+00	0.00E+00
0.525	9.12E-01	7.27E-01	5.21E-01	2.81E-01	1.18E-02	1.19E-12	0.00E+00	0.00E+00
0.550	9.56E-01	7.49E-01	5.45E-01	3.01E-01	1.40E-02	4.60E-12	0.00E+00	0.00E+00
0.575	9.99E-01	7.79E-01	5.59E-01	3.16E-01	1.78E-02	2.33E-11	0.00E+00	0.00E+00
0.600	1.04E+00	8.20E-01	5.83E-01	3.28E-01	2.06E-02	1.06E-10	0.00E+00	0.00E+00
0.625	1.10E+00	8.47E-01	6.15E-01	3.47E-01	2.53E-02	3.95E-10	0.00E+00	0.00E+00
0.650	1.16E+00	8.95E-01	6.41E-01	3.70E-01	3.21E-02	1.70E-09	0.00E+00	0.00E+00
0.675	1.24E+00	9.28E-01	6.68E-01	3.92E-01	4.07E-02	8.88E-09	0.00E+00	0.00E+00
0.700	1.31E+00	9.63E-01	6.99E-01	4.16E-01	4.91E-02	2.76E-08	6.75E-30	0.00E+00
0.725	1.40E+00	1.02E+00	7.43E-01	4.34E-01	5.72E-02	1.01E-07	2.67E-27	0.00E+00
0.750	1.47E+00	1.08E+00	7.73E-01	4.68E-01	6.86E-02	3.49E-07	4.34E-25	0.00E+00
0.775	1.53E+00	1.12E+00	8.06E-01	5.01E-01	7.90E-02	1.64E-06	9.24E-23	0.00E+00
0.800	1.61E+00	1.19E+00	8.61E-01	5.28E-01	9.53E-02	4.80E-06	1.76E-20	0.00E+00
0.825	1.68E+00	1.26E+00	9.28E-01	5.63E-01	1.16E-01	2.12E-05	7.78E-18	0.00E+00
0.850	1.74E+00	1.32E+00	1.00E+00	6.07E-01	1.41E-01	7.23E-05	9.71E-16	0.00E+00
0.875	1.79E+00	1.40E+00	1.06E+00	6.50E-01	1.72E-01	2.67E-04	2.17E-13	0.00E+00
0.900	1.85E+00	1.51E+00	1.16E+00	7.01E-01	2.29E-01	1.01E-03	1.56E-11	0.00E+00
0.925	1.91E+00	1.62E+00	1.26E+00	8.07E-01	2.82E-01	4.52E-03	3.06E-09	0.00E+00
0.950	1.97E+00	1.75E+00	1.44E+00	9.45E-01	4.00E-01	1.50E-02	7.47E-07	0.00E+00
0.975	2.02E+00	1.88E+00	1.66E+00	1.22E+00	5.62E-01	7.59E-02	1.11E-04	6.98E-24
1.000	2.09E+00	2.07E+00	2.02E+00	1.85E+00	1.46E+00	6.12E-01	6.42E-02	2.98E-04

Probabilistic results summary : RESRAD Default Parameters

File : C:\USERS\DNF\DOCUMENTS\FT CALHOUN\RESRAD INPUT FILES\SOIL UNCERTAINTY ANALYSIS\FCS SOIL UNCERTAINTY ANALYSIS TC-99.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	4.21E-01	2.09E+00	1.05E+00	8.59E-01	1.85E+00	1.95E+00	2.02E+00	2.07E+00
1.00E+00	2.38E-01	2.05E+00	8.34E-01	7.09E-01	1.52E+00	1.67E+00	1.87E+00	2.01E+00
1.06E+00	2.32E-01	2.04E+00	8.24E-01	6.96E-01	1.50E+00	1.66E+00	1.86E+00	2.01E+00
1.12E+00	2.25E-01	2.04E+00	8.14E-01	6.89E-01	1.48E+00	1.64E+00	1.85E+00	2.00E+00
1.19E+00	2.17E-01	2.04E+00	8.04E-01	6.79E-01	1.46E+00	1.63E+00	1.84E+00	2.00E+00
1.25E+00	2.08E-01	2.04E+00	7.94E-01	6.70E-01	1.44E+00	1.61E+00	1.83E+00	2.00E+00
1.33E+00	2.00E-01	2.03E+00	7.83E-01	6.59E-01	1.42E+00	1.60E+00	1.82E+00	1.99E+00
1.40E+00	1.91E-01	2.03E+00	7.72E-01	6.53E-01	1.40E+00	1.59E+00	1.81E+00	1.99E+00
1.49E+00	1.83E-01	2.03E+00	7.61E-01	6.39E-01	1.39E+00	1.58E+00	1.80E+00	1.98E+00
1.57E+00	1.75E-01	2.02E+00	7.50E-01	6.27E-01	1.39E+00	1.57E+00	1.79E+00	1.98E+00
1.66E+00	1.67E-01	2.02E+00	7.38E-01	6.16E-01	1.37E+00	1.55E+00	1.78E+00	1.97E+00
1.76E+00	1.60E-01	2.02E+00	7.26E-01	6.07E-01	1.34E+00	1.54E+00	1.78E+00	1.97E+00
1.86E+00	1.52E-01	2.01E+00	7.14E-01	6.07E-01	1.33E+00	1.53E+00	1.77E+00	1.96E+00
1.97E+00	1.45E-01	2.01E+00	7.02E-01	5.89E-01	1.30E+00	1.51E+00	1.76E+00	1.95E+00
2.09E+00	1.39E-01	2.00E+00	6.89E-01	5.80E-01	1.28E+00	1.48E+00	1.75E+00	1.95E+00
2.21E+00	1.32E-01	2.00E+00	6.77E-01	5.75E-01	1.25E+00	1.47E+00	1.73E+00	1.94E+00
2.24E+00	1.26E-01	1.99E+00	6.64E-01	5.66E-01	1.22E+00	1.46E+00	1.72E+00	1.93E+00
2.27E+00	1.21E-01	1.99E+00	6.52E-01	5.48E-01	1.21E+00	1.46E+00	1.71E+00	1.93E+00
2.26E+00	1.16E-01	1.98E+00	6.39E-01	5.37E-01	1.20E+00	1.44E+00	1.69E+00	1.92E+00
2.27E+00	1.11E-01	1.98E+00	6.26E-01	5.29E-01	1.17E+00	1.43E+00	1.67E+00	1.91E+00
2.29E+00	1.05E-01	1.97E+00	6.14E-01	5.19E-01	1.15E+00	1.41E+00	1.66E+00	1.90E+00
3.00E+00	1.03E-01	1.97E+00	6.09E-01	5.14E-01	1.14E+00	1.40E+00	1.65E+00	1.90E+00
3.310E+00	9.98E-02	1.97E+00	6.01E-01	5.10E-01	1.12E+00	1.39E+00	1.64E+00	1.89E+00
3.328E+00	9.39E-02	1.96E+00	5.88E-01	5.00E-01	1.10E+00	1.37E+00	1.62E+00	1.88E+00
3.48E+00	8.73E-02	1.95E+00	5.76E-01	4.86E-01	1.07E+00	1.35E+00	1.59E+00	1.87E+00
3.68E+00	8.10E-02	1.95E+00	5.63E-01	4.73E-01	1.05E+00	1.33E+00	1.57E+00	1.86E+00
3.89E+00	7.14E-02	1.94E+00	5.50E-01	4.54E-01	1.03E+00	1.31E+00	1.55E+00	1.85E+00
4.12E+00	6.02E-02	1.93E+00	5.37E-01	4.51E-01	1.01E+00	1.29E+00	1.53E+00	1.84E+00
4.36E+00	5.01E-02	1.92E+00	5.25E-01	4.37E-01	9.97E-01	1.27E+00	1.50E+00	1.82E+00
4.61E+00	4.11E-02	1.91E+00	5.12E-01	4.25E-01	9.65E-01	1.24E+00	1.47E+00	1.81E+00
4.88E+00	3.32E-02	1.90E+00	5.00E-01	4.05E-01	9.46E-01	1.22E+00	1.45E+00	1.79E+00
5.17E+00	2.64E-02	1.89E+00	4.88E-01	3.94E-01	9.28E-01	1.19E+00	1.42E+00	1.78E+00
5.47E+00	2.08E-02	1.88E+00	4.76E-01	3.79E-01	9.19E-01	1.16E+00	1.40E+00	1.76E+00
5.57E+00	1.71E-02	1.87E+00	4.64E-01	3.62E-01	8.98E-01	1.12E+00	1.39E+00	1.75E+00
6.12E+00	1.53E-02	1.86E+00	4.52E-01	3.52E-01	8.83E-01	1.09E+00	1.37E+00	1.73E+00
6.48E+00	1.50E-02	1.85E+00	4.40E-01	3.37E-01	8.70E-01	1.07E+00	1.36E+00	1.71E+00
6.86E+00	1.50E-02	1.84E+00	4.29E-01	3.26E-01	8.61E-01	1.05E+00	1.34E+00	1.69E+00
7.26E+00	1.26E-02	1.82E+00	4.17E-01	3.15E-01	8.51E-01	1.02E+00	1.31E+00	1.67E+00
7.68E+00	7.21E-03	1.81E+00	4.05E-01	3.03E-01	8.24E-01	9.93E-01	1.29E+00	1.65E+00
8.13E+00	3.99E-03	1.79E+00	3.93E-01	2.91E-01	8.02E-01	9.72E-01	1.27E+00	1.63E+00
8.60E+00	2.13E-03	1.78E+00	3.82E-01	2.81E-01	7.65E-01	9.56E-01	1.25E+00	1.61E+00
9.10E+00	1.10E-03	1.76E+00	3.71E-01	2.72E-01	7.53E-01	9.28E-01	1.23E+00	1.59E+00
9.63E+00	5.44E-04	1.74E+00	3.60E-01	2.62E-01	7.25E-01	9.19E-01	1.21E+00	1.56E+00
1.00E+01	3.33E-04	1.73E+00	3.53E-01	2.58E-01	7.10E-01	9.07E-01	1.18E+00	1.55E+00
1.02E+01	2.59E-04	1.73E+00	3.49E-01	2.56E-01	7.03E-01	9.01E-01	1.16E+00	1.54E+00
1.08E+01	1.18E-04	1.71E+00	3.38E-01	2.47E-01	6.85E-01	8.98E-01	1.14E+00	1.51E+00
1.14E+01	5.14E-05	1.69E+00	3.27E-01	2.43E-01	6.66E-01	8.75E-01	1.11E+00	1.49E+00
1.21E+01	2.13E-05	1.67E+00	3.17E-01	2.37E-01	6.43E-01	8.27E-01	1.08E+00	1.46E+00
1.28E+01	8.41E-06	1.65E+00	3.07E-01	2.31E-01	6.36E-01	7.94E-01	1.05E+00	1.43E+00
1.35E+01	3.14E-06	1.63E+00	2.97E-01	2.22E-01	6.20E-01	7.85E-01	1.03E+00	1.40E+00
1.43E+01	7.81E-07	1.61E+00	2.88E-01	2.15E-01	5.92E-01	7.56E-01	9.94E-01	1.37E+00
1.51E+01	0.00E+00	1.59E+00	2.78E-01	2.10E-01	5.82E-01	7.37E-01	9.56E-01	1.33E+00
1.60E+01	0.00E+00	1.57E+00	2.70E-01	2.04E-01	5.53E-01	7.26E-01	9.21E-01	1.30E+00
1.70E+01	0.00E+00	1.55E+00	2.60E-01	1.97E-01	5.41E-01	7.17E-01	9.02E-01	1.27E+00
1.80E+01	0.00E+00	1.53E+00	2.46E-01	1.84E-01	5.26E-01	6.70E-01	8.82E-01	1.23E+00
1.90E+01	0.00E+00	1.50E+00	2.23E-01	1.59E-01	4.96E-01	6.47E-01	8.60E-01	1.19E+00

2.01E+01 0.00E+00 1.45E+00 1.97E-01 1.29E-01 4.63E-01 6.15E-01 8.13E-01 1.15E+00

2.13E+01 0.00E+00 1.41E+00 1.71E-01 9.80E-02 4.45E-01 5.88E-01 7.53E-01 1.11E+00

2.25E+01 0.00E+00 1.38E+00 1.49E-01 8.04E-02 3.84E-01 5.59E-01 7.12E-01 1.07E+00

2.38E+01 0.00E+00 1.35E+00 1.28E-01 5.89E-02 3.49E-01 5.37E-01 6.74E-01 1.03E+00

2.52E+01 0.00E+00 1.31E+00 1.11E-01 3.65E-02 3.09E-01 5.14E-01 6.44E-01 9.82E-01

2.67E+01 0.00E+00 1.27E+00 9.70E-02 2.49E-02 2.81E-01 4.46E-01 6.14E-01 9.38E-01

2.82E+01 0.00E+00 1.23E+00 8.49E-02 1.51E-02 2.59E-01 4.28E-01 5.83E-01 8.93E-01

2.99E+01 0.00E+00 1.20E+00 7.48E-02 8.54E-03 2.21E-01 4.03E-01 5.52E-01 8.48E-01

3.00E+01 0.00E+00 1.19E+00 7.42E-02 8.27E-03 2.20E-01 3.99E-01 5.49E-01 8.45E-01

3.16E+01 0.00E+00 1.16E+00 6.61E-02 4.58E-03 1.92E-01 3.69E-01 5.22E-01 8.03E-01

3.35E+01 0.00E+00 1.12E+00 5.86E-02 2.68E-03 1.71E-01 3.44E-01 5.01E-01 7.58E-01

3.54E+01 0.00E+00 1.07E+00 5.19E-02 1.50E-03 1.37E-01 3.19E-01 4.80E-01 7.12E-01

3.75E+01 0.00E+00 1.03E+00 4.61E-02 7.71E-04 1.16E-01 2.90E-01 4.57E-01 6.68E-01

3.97E+01 0.00E+00 9.89E-01 4.09E-02 3.84E-04 9.74E-02 2.57E-01 4.29E-01 6.23E-01

4.20E+01 0.00E+00 9.46E-01 3.65E-02 1.85E-04 8.10E-02 2.33E-01 3.94E-01 5.80E-01

4.44E+01 0.00E+00 9.02E-01 3.27E-02 8.36E-05 6.67E-02 2.11E-01 3.71E-01 5.37E-01

4.70E+01 0.00E+00 8.58E-01 2.91E-02 3.38E-05 5.65E-02 1.90E-01 3.51E-01 4.97E-01

4.97E+01 0.00E+00 8.13E-01 2.60E-02 1.28E-05 4.65E-02 1.70E-01 3.33E-01 4.61E-01

5.26E+01 0.00E+00 7.69E-01 2.32E-02 5.09E-06 3.83E-02 1.51E-01 3.18E-01 4.26E-01

5.57E+01 0.00E+00 7.24E-01 2.06E-02 1.62E-06 2.88E-02 1.33E-01 3.01E-01 3.92E-01

5.90E+01 0.00E+00 6.80E-01 1.83E-02 5.24E-07 2.27E-02 1.17E-01 2.84E-01 3.59E-01

6.24E+01 0.00E+00 6.36E-01 1.63E-02 1.77E-07 1.81E-02 1.02E-01 2.67E-01 3.27E-01

60E+01 0.00E+00 5.93E-01 1.45E-02 4.13E-08 1.43E-02 8.81E-02 2.45E-01 2.96E-01

99E+01 0.00E+00 5.50E-01 1.28E-02 1.18E-08 1.00E-02 7.63E-02 2.18E-01 2.77E-01

7.39E+01 0.00E+00 5.08E-01 1.13E-02 2.11E-09 7.40E-03 6.55E-02 1.88E-01 2.59E-01

7.82E+01 0.00E+00 4.68E-01 9.95E-03 3.67E-10 5.37E-03 5.36E-02 1.61E-01 2.34E-01

8.28E+01 0.00E+00 4.28E-01 8.74E-03 8.18E-11 3.82E-03 4.44E-02 1.37E-01 2.21E-01

8.76E+01 0.00E+00 3.90E-01 7.65E-03 1.62E-11 2.67E-03 3.64E-02 1.17E-01 2.08E-01

9.27E+01 0.00E+00 3.53E-01 6.66E-03 1.81E-12 1.83E-03 2.95E-02 9.97E-02 1.91E-01

9.81E+01 0.00E+00 3.18E-01 5.79E-03 2.63E-13 1.16E-03 2.36E-02 8.42E-02 1.75E-01

1.00E+02 0.00E+00 3.06E-01 5.52E-03 1.13E-13 1.00E-03 2.19E-02 7.94E-02 1.70E-01

1.04E+02 0.00E+00 2.84E-01 5.01E-03 3.03E-14 7.54E-04 1.88E-02 7.04E-02 1.60E-01

1.10E+02 0.00E+00 2.53E-01 4.31E-03 3.81E-15 4.96E-04 1.50E-02 5.83E-02 1.45E-01

1.16E+02 0.00E+00 2.23E-01 3.69E-03 3.37E-16 3.15E-04 1.24E-02 4.77E-02 1.31E-01

1.23E+02 0.00E+00 1.94E-01 3.14E-03 2.78E-17 1.90E-04 9.37E-03 3.94E-02 1.17E-01

1.30E+02 0.00E+00 1.66E-01 2.65E-03 2.28E-18 1.07E-04 6.89E-03 3.22E-02 1.04E-01

1.38E+02 0.00E+00 1.40E-01 2.22E-03 1.62E-19 5.80E-05 4.95E-03 2.60E-02 9.20E-02

1.46E+02 0.00E+00 1.18E-01 1.85E-03 1.01E-20 3.14E-05 3.46E-03 2.08E-02 7.95E-02

1.54E+02 0.00E+00 1.00E-01 1.54E-03 4.51E-22 1.65E-05 2.45E-03 1.66E-02 6.49E-02

1.63E+02 0.00E+00 8.59E-02 1.26E-03 1.93E-23 8.29E-06 1.69E-03 1.46E-02 5.23E-02

1.73E+02 0.00E+00 7.28E-02 1.03E-03 4.59E-25 4.02E-06 1.15E-03 1.14E-02 4.40E-02

1.83E+02 0.00E+00 6.41E-02 8.35E-04 1.29E-26 1.87E-06 7.58E-04 8.47E-03 3.66E-02

1.94E+02 0.00E+00 5.60E-02 6.71E-04 1.29E-28 8.29E-07 4.88E-04 6.17E-03 3.00E-02

2.05E+02 0.00E+00 4.86E-02 5.36E-04 1.12E-30 3.51E-07 2.81E-04 4.41E-03 2.42E-02

2.17E+02 0.00E+00 4.17E-02 4.24E-04 0.00E+00 1.42E-07 6.95E-05 2.70E-03 1.91E-02

2.29E+02 0.00E+00 3.55E-02 3.33E-04 0.00E+00 2.90E-08 3.95E-05 1.85E-03 1.50E-02

2.43E+02 0.00E+00 2.99E-02 2.33E-04 0.00E+00 8.09E-09 2.17E-05 1.11E-03 1.10E-02

2.57E+02 0.00E+00 2.49E-02 1.75E-04 0.00E+00 1.60E-09 6.14E-06 7.06E-04 7.90E-03

2.72E+02 0.00E+00 2.05E-02 1.30E-04 0.00E+00 2.81E-10 3.03E-06 4.60E-04 5.38E-03

2.88E+02 0.00E+00 1.67E-02 9.41E-05 0.00E+00 5.78E-11 1.36E-06 2.92E-04 3.37E-03

3.00E+02 0.00E+00 1.42E-02 7.32E-05 0.00E+00 2.05E-11 6.61E-07 2.04E-04 2.20E-03

3.05E+02 0.00E+00 1.33E-02 6.67E-05 0.00E+00 1.26E-11 4.99E-07 1.78E-04 1.83E-03

3.22E+02 0.00E+00 1.05E-02 4.58E-05 0.00E+00 2.29E-12 1.41E-07 1.05E-04 1.25E-03

3.41E+02 0.00E+00 8.15E-03 3.06E-05 0.00E+00 3.47E-13 1.62E-08 5.75E-05 7.09E-04

3.61E+02 0.00E+00 6.20E-03 2.12E-05 0.00E+00 3.11E-14 4.58E-09 1.49E-05 4.35E-04

3.82E+02 0.00E+00 4.62E-03 1.49E-05 0.00E+00 1.95E-15 7.98E-10 7.66E-06 2.60E-04

4.04E+02 0.00E+00 3.36E-03 1.03E-05 0.00E+00 2.28E-16 2.19E-10 3.80E-06 1.51E-04

4.28E+02 0.00E+00 2.38E-03 7.00E-06 0.00E+00 7.14E-18 5.57E-11 1.81E-06 8.45E-05

4.53E+02 0.00E+00 1.63E-03 4.62E-06 0.00E+00 6.59E-19 1.32E-11 8.34E-07 4.57E-05

4.79E+02 0.00E+00 1.07E-03 2.95E-06 0.00E+00 4.92E-20 2.96E-12 3.68E-07 1.54E-05

5.07E+02 0.00E+00 6.73E-04 1.80E-06 0.00E+00 1.90E-21 6.08E-13 1.55E-07 1.71E-06

5.36E+02 0.00E+00 3.93E-04 1.05E-06 0.00E+00 6.14E-23 8.15E-14 7.50E-09 7.64E-07

5.68E+02 0.00E+00 2.07E-04 5.57E-07 0.00E+00 1.99E-24 1.40E-14 2.24E-09 3.25E-07

0.01E+02 0.00E+00 8.87E-05 2.53E-07 0.00E+00 1.42E-26 2.00E-15 6.14E-10 1.32E-07

6.36E+02 0.00E+00 1.91E-05 7.61E-08 0.00E+00 4.86E-30 5.17E-18 1.58E-10 5.05E-08

6.73E+02 0.00E+00 7.78E-06 1.77E-08 0.00E+00 0.00E+00 2.08E-19 1.64E-11 1.83E-08

7.12E+02 0.00E+00 3.30E-06 7.46E-09 0.00E+00 0.00E+00 4.74E-22 1.44E-12 1.18E-09

7.53E+02 0.00E+00 1.18E-06 2.71E-09 0.00E+00 0.00E+00 2.67E-23 2.93E-13 3.26E-10

7.97E+02 0.00E+00 2.84E-07 6.95E-10 0.00E+00 0.00E+00 1.26E-24 5.43E-14 8.08E-11

8.44E+02 0.00E+00 2.06E-08 4.70E-11 0.00E+00 0.00E+00 1.58E-27 9.09E-15 1.75E-11

8.93E+02 0.00E+00 6.97E-09 1.47E-11 0.00E+00 0.00E+00 5.60E-30 5.67E-19 2.69E-12

9.45E+02 0.00E+00 2.17E-09 4.44E-12 0.00E+00 0.00E+00 0.00E+00 4.76E-20 3.90E-13

1.00E+03 0.00E+00 6.13E-10 1.23E-12 0.00E+00 0.00E+00 0.00E+00 3.44E-21 6.09E-14

Probabilistic results summary : RESRAD Default Parameters

File : C:\USERS\DNF\DOCUMENTS\FT CALHOUN\RESRAD INPUT FILES\SOIL UNCERTAINTY ANALYSIS\FCS SOIL UNCERTAINTY ANALYSIS TC-99.RAD

Summary of dose at graphical times, reptition 2

Time Years	Dose statistics at graphical times, mrem/yr							
	Minimum	Maximum	Mean	Median	90%	95%	97.5%	99%
0.00E+00	3.95E-01	2.09E+00	1.05E+00	8.74E-01	1.86E+00	1.96E+00	2.02E+00	2.06E+00
1.00E+00	1.96E-01	2.07E+00	8.34E-01	6.96E-01	1.52E+00	1.73E+00	1.88E+00	2.00E+00
1.06E+00	1.90E-01	2.07E+00	8.24E-01	6.89E-01	1.50E+00	1.72E+00	1.87E+00	1.99E+00
1.12E+00	1.84E-01	2.06E+00	8.14E-01	6.83E-01	1.48E+00	1.71E+00	1.86E+00	1.99E+00
1.19E+00	1.78E-01	2.06E+00	8.04E-01	6.73E-01	1.47E+00	1.69E+00	1.85E+00	1.99E+00
1.25E+00	1.72E-01	2.06E+00	7.94E-01	6.59E-01	1.45E+00	1.68E+00	1.84E+00	1.98E+00
1.33E+00	1.66E-01	2.06E+00	7.83E-01	6.49E-01	1.44E+00	1.67E+00	1.83E+00	1.98E+00
1.40E+00	1.60E-01	2.06E+00	7.72E-01	6.37E-01	1.42E+00	1.65E+00	1.82E+00	1.97E+00
1.49E+00	1.53E-01	2.05E+00	7.61E-01	6.32E-01	1.40E+00	1.64E+00	1.81E+00	1.97E+00
1.57E+00	1.47E-01	2.05E+00	7.50E-01	6.22E-01	1.38E+00	1.63E+00	1.80E+00	1.96E+00
1.66E+00	1.42E-01	2.05E+00	7.38E-01	6.14E-01	1.35E+00	1.62E+00	1.79E+00	1.95E+00
1.76E+00	1.36E-01	2.05E+00	7.26E-01	6.06E-01	1.33E+00	1.62E+00	1.78E+00	1.95E+00
1.86E+00	1.31E-01	2.05E+00	7.14E-01	5.91E-01	1.31E+00	1.60E+00	1.76E+00	1.94E+00
1.97E+00	1.26E-01	2.04E+00	7.02E-01	5.80E-01	1.29E+00	1.58E+00	1.75E+00	1.93E+00
2.09E+00	1.21E-01	2.04E+00	6.90E-01	5.70E-01	1.28E+00	1.56E+00	1.73E+00	1.93E+00
2.21E+00	1.17E-01	2.04E+00	6.77E-01	5.61E-01	1.25E+00	1.54E+00	1.72E+00	1.92E+00
2.24E+00	1.13E-01	2.03E+00	6.64E-01	5.50E-01	1.24E+00	1.52E+00	1.70E+00	1.91E+00
2.27E+00	1.09E-01	2.03E+00	6.52E-01	5.43E-01	1.23E+00	1.50E+00	1.68E+00	1.90E+00
2.26E+00	1.06E-01	2.03E+00	6.39E-01	5.29E-01	1.22E+00	1.47E+00	1.67E+00	1.89E+00
2.27E+00	1.03E-01	2.02E+00	6.26E-01	5.19E-01	1.22E+00	1.45E+00	1.65E+00	1.88E+00
2.93E+00	1.00E-01	2.02E+00	6.14E-01	5.09E-01	1.20E+00	1.42E+00	1.64E+00	1.87E+00
3.00E+00	9.93E-02	2.02E+00	6.09E-01	5.02E-01	1.20E+00	1.42E+00	1.63E+00	1.87E+00
3.310E+00	9.79E-02	2.01E+00	6.01E-01	4.95E-01	1.19E+00	1.40E+00	1.63E+00	1.86E+00
3.328E+00	9.58E-02	2.01E+00	5.88E-01	4.84E-01	1.17E+00	1.38E+00	1.61E+00	1.85E+00
3.48E+00	9.22E-02	2.01E+00	5.76E-01	4.78E-01	1.15E+00	1.36E+00	1.60E+00	1.84E+00
3.68E+00	8.47E-02	2.00E+00	5.63E-01	4.64E-01	1.12E+00	1.36E+00	1.58E+00	1.83E+00
3.89E+00	7.67E-02	2.00E+00	5.51E-01	4.51E-01	1.11E+00	1.35E+00	1.57E+00	1.81E+00
4.12E+00	6.94E-02	1.99E+00	5.38E-01	4.40E-01	1.08E+00	1.33E+00	1.55E+00	1.80E+00
4.36E+00	6.27E-02	1.98E+00	5.26E-01	4.24E-01	1.05E+00	1.31E+00	1.54E+00	1.79E+00
4.61E+00	5.67E-02	1.98E+00	5.14E-01	4.09E-01	1.02E+00	1.28E+00	1.53E+00	1.77E+00
4.88E+00	5.14E-02	1.97E+00	5.01E-01	3.96E-01	1.01E+00	1.26E+00	1.51E+00	1.75E+00
5.17E+00	4.67E-02	1.97E+00	4.89E-01	3.82E-01	9.84E-01	1.23E+00	1.49E+00	1.74E+00
5.47E+00	4.26E-02	1.96E+00	4.77E-01	3.70E-01	9.54E-01	1.20E+00	1.47E+00	1.72E+00
5.78E+00	3.90E-02	1.95E+00	4.66E-01	3.59E-01	9.12E-01	1.18E+00	1.45E+00	1.70E+00
6.12E+00	3.60E-02	1.94E+00	4.54E-01	3.46E-01	8.96E-01	1.15E+00	1.44E+00	1.68E+00
6.48E+00	3.34E-02	1.93E+00	4.42E-01	3.35E-01	8.75E-01	1.11E+00	1.42E+00	1.66E+00
6.86E+00	3.13E-02	1.93E+00	4.31E-01	3.24E-01	8.65E-01	1.08E+00	1.39E+00	1.64E+00
7.26E+00	2.96E-02	1.92E+00	4.19E-01	3.14E-01	8.45E-01	1.05E+00	1.37E+00	1.62E+00
7.68E+00	2.31E-02	1.91E+00	4.07E-01	3.06E-01	8.14E-01	1.02E+00	1.35E+00	1.60E+00
8.13E+00	1.41E-02	1.90E+00	3.96E-01	2.95E-01	7.83E-01	1.01E+00	1.34E+00	1.58E+00
8.60E+00	8.40E-03	1.89E+00	3.84E-01	2.89E-01	7.63E-01	9.85E-01	1.33E+00	1.55E+00
9.10E+00	4.84E-03	1.87E+00	3.73E-01	2.79E-01	7.25E-01	9.76E-01	1.31E+00	1.53E+00
9.63E+00	2.70E-03	1.86E+00	3.62E-01	2.66E-01	7.09E-01	9.57E-01	1.30E+00	1.50E+00
1.00E+01	1.79E-03	1.85E+00	3.55E-01	2.59E-01	7.00E-01	9.43E-01	1.28E+00	1.48E+00
1.02E+01	1.46E-03	1.85E+00	3.51E-01	2.56E-01	6.91E-01	9.36E-01	1.27E+00	1.47E+00
1.08E+01	7.57E-04	1.84E+00	3.41E-01	2.48E-01	6.66E-01	9.10E-01	1.25E+00	1.44E+00
1.14E+01	3.79E-04	1.82E+00	3.31E-01	2.45E-01	6.58E-01	8.76E-01	1.22E+00	1.41E+00
1.21E+01	1.82E-04	1.81E+00	3.20E-01	2.38E-01	6.43E-01	8.42E-01	1.19E+00	1.38E+00
1.28E+01	8.40E-05	1.79E+00	3.10E-01	2.33E-01	6.07E-01	8.21E-01	1.17E+00	1.35E+00
1.35E+01	3.70E-05	1.78E+00	3.01E-01	2.25E-01	6.00E-01	7.90E-01	1.14E+00	1.32E+00
1.43E+01	1.55E-05	1.76E+00	2.92E-01	2.22E-01	5.80E-01	7.77E-01	1.11E+00	1.30E+00
1.51E+01	6.20E-06	1.74E+00	2.83E-01	2.11E-01	5.62E-01	7.61E-01	1.08E+00	1.28E+00
1.60E+01	2.35E-06	1.72E+00	2.75E-01	2.07E-01	5.37E-01	7.35E-01	1.07E+00	1.27E+00
1.70E+01	8.40E-07	1.71E+00	2.66E-01	2.01E-01	5.28E-01	6.91E-01	1.06E+00	1.26E+00
1.80E+01	2.83E-07	1.69E+00	2.53E-01	1.88E-01	5.05E-01	6.74E-01	1.04E+00	1.26E+00
1.90E+01	8.94E-08	1.66E+00	2.29E-01	1.59E-01	4.80E-01	6.47E-01	9.80E-01	1.25E+00

2.01E+01 2.64E-08 1.64E+00 2.01E-01 1.27E-01 4.63E-01 6.25E-01 9.14E-01 1.24E+00

2.13E+01 7.28E-09 1.62E+00 1.75E-01 9.98E-02 4.40E-01 5.88E-01 8.59E-01 1.20E+00

2.25E+01 1.86E-09 1.60E+00 1.51E-01 7.53E-02 3.89E-01 5.46E-01 7.87E-01 1.16E+00

2.38E+01 4.39E-10 1.57E+00 1.31E-01 5.84E-02 3.56E-01 5.03E-01 7.28E-01 1.12E+00

2.52E+01 9.52E-11 1.55E+00 1.14E-01 3.91E-02 3.28E-01 4.76E-01 6.71E-01 1.08E+00

2.67E+01 1.89E-11 1.52E+00 1.00E-01 2.65E-02 3.00E-01 4.59E-01 6.35E-01 1.03E+00

2.82E+01 0.00E+00 1.49E+00 8.72E-02 1.71E-02 2.79E-01 4.40E-01 6.05E-01 9.46E-01

2.99E+01 0.00E+00 1.46E+00 7.61E-02 1.04E-02 2.51E-01 4.02E-01 5.91E-01 8.56E-01

3.00E+01 0.00E+00 1.46E+00 7.54E-02 1.01E-02 2.48E-01 4.01E-01 5.90E-01 8.50E-01

3.16E+01 0.00E+00 1.43E+00 6.69E-02 5.88E-03 2.23E-01 3.87E-01 5.73E-01 7.70E-01

3.35E+01 0.00E+00 1.40E+00 5.92E-02 3.07E-03 1.94E-01 3.48E-01 5.25E-01 6.88E-01

3.54E+01 0.00E+00 1.37E+00 5.26E-02 1.56E-03 1.72E-01 3.28E-01 4.89E-01 6.16E-01

3.75E+01 0.00E+00 1.33E+00 4.67E-02 7.53E-04 1.51E-01 3.06E-01 4.65E-01 5.72E-01

3.97E+01 0.00E+00 1.30E+00 4.12E-02 3.38E-04 1.25E-01 2.77E-01 4.33E-01 5.35E-01

4.20E+01 0.00E+00 1.26E+00 3.65E-02 1.56E-04 1.02E-01 2.39E-01 3.98E-01 5.23E-01

4.44E+01 0.00E+00 1.22E+00 3.23E-02 7.24E-05 8.17E-02 2.01E-01 3.77E-01 5.12E-01

4.70E+01 0.00E+00 1.18E+00 2.88E-02 2.94E-05 6.93E-02 1.72E-01 3.64E-01 4.99E-01

4.97E+01 0.00E+00 1.15E+00 2.57E-02 1.22E-05 5.53E-02 1.55E-01 3.41E-01 4.87E-01

5.26E+01 0.00E+00 1.10E+00 2.31E-02 4.91E-06 4.40E-02 1.37E-01 3.10E-01 4.74E-01

5.57E+01 0.00E+00 1.06E+00 2.07E-02 1.71E-06 3.04E-02 1.18E-01 2.77E-01 4.36E-01

5.90E+01 0.00E+00 1.02E+00 1.86E-02 5.77E-07 2.38E-02 1.02E-01 2.46E-01 3.93E-01

6.24E+01 0.00E+00 9.78E-01 1.66E-02 1.82E-07 2.08E-02 8.68E-02 2.16E-01 3.62E-01

6.0E+01 0.00E+00 9.35E-01 1.48E-02 5.28E-08 1.58E-02 7.33E-02 1.89E-01 3.21E-01

99E+01 0.00E+00 8.91E-01 1.32E-02 1.26E-08 1.11E-02 6.13E-02 1.68E-01 3.01E-01

7.39E+01 0.00E+00 8.47E-01 1.18E-02 3.16E-09 8.43E-03 5.08E-02 1.50E-01 2.89E-01

7.82E+01 0.00E+00 8.03E-01 1.05E-02 7.37E-10 4.69E-03 4.16E-02 1.31E-01 2.77E-01

8.28E+01 0.00E+00 7.58E-01 9.35E-03 1.39E-10 3.38E-03 3.35E-02 1.13E-01 2.66E-01

8.76E+01 0.00E+00 7.14E-01 8.32E-03 2.52E-11 2.40E-03 2.67E-02 9.60E-02 2.54E-01

9.27E+01 0.00E+00 6.70E-01 7.39E-03 4.09E-12 1.67E-03 2.11E-02 8.19E-02 2.35E-01

9.81E+01 0.00E+00 6.26E-01 6.54E-03 4.39E-13 1.13E-03 1.64E-02 7.05E-02 2.17E-01

1.00E+02 0.00E+00 6.12E-01 6.28E-03 2.23E-13 9.91E-04 1.50E-02 6.69E-02 2.11E-01

1.04E+02 0.00E+00 5.83E-01 5.78E-03 5.40E-14 7.53E-04 1.26E-02 6.01E-02 1.98E-01

1.10E+02 0.00E+00 5.41E-01 5.10E-03 6.56E-15 4.89E-04 9.50E-03 4.76E-02 1.80E-01

1.16E+02 0.00E+00 4.99E-01 4.48E-03 7.11E-16 2.91E-04 7.06E-03 3.78E-02 1.63E-01

1.23E+02 0.00E+00 4.59E-01 3.93E-03 6.08E-17 1.56E-04 5.18E-03 3.03E-02 1.45E-01

1.30E+02 0.00E+00 4.20E-01 3.44E-03 3.75E-18 8.13E-05 3.81E-03 2.40E-02 1.32E-01

1.38E+02 0.00E+00 3.82E-01 3.01E-03 2.77E-19 4.07E-05 2.58E-03 1.87E-02 1.21E-01

1.46E+02 0.00E+00 3.45E-01 2.63E-03 1.82E-20 1.96E-05 1.78E-03 1.45E-02 1.09E-01

1.54E+02 0.00E+00 3.11E-01 2.29E-03 8.01E-22 8.92E-06 1.20E-03 1.12E-02 9.62E-02

1.63E+02 0.00E+00 2.78E-01 1.99E-03 3.41E-23 4.10E-06 8.11E-04 8.52E-03 8.02E-02

1.73E+02 0.00E+00 2.47E-01 1.71E-03 7.00E-25 1.79E-06 5.34E-04 6.36E-03 6.61E-02

1.83E+02 0.00E+00 2.18E-01 1.47E-03 1.95E-26 6.57E-07 3.43E-04 4.66E-03 5.38E-02

1.94E+02 0.00E+00 1.90E-01 1.26E-03 4.42E-28 2.61E-07 2.15E-04 3.34E-03 4.32E-02

2.05E+02 0.00E+00 1.64E-01 1.06E-03 5.97E-30 1.02E-07 1.31E-04 2.34E-03 3.42E-02

2.17E+02 0.00E+00 1.38E-01 8.90E-04 0.00E+00 3.78E-08 7.74E-05 1.60E-03 2.67E-02

2.29E+02 0.00E+00 1.14E-01 7.37E-04 0.00E+00 8.51E-09 4.45E-05 1.07E-03 2.05E-02

2.43E+02 0.00E+00 9.40E-02 6.10E-04 0.00E+00 2.48E-09 2.47E-05 6.01E-04 1.55E-02

2.57E+02 0.00E+00 7.63E-02 5.07E-04 0.00E+00 6.74E-10 1.10E-05 3.88E-04 1.14E-02

2.72E+02 0.00E+00 6.11E-02 4.18E-04 0.00E+00 1.64E-10 5.54E-06 2.27E-04 8.30E-03

2.88E+02 0.00E+00 5.25E-02 3.42E-04 0.00E+00 3.96E-11 2.51E-06 1.27E-04 5.88E-03

3.00E+02 0.00E+00 4.67E-02 2.93E-04 0.00E+00 1.24E-11 1.29E-06 8.24E-05 4.48E-03

3.05E+02 0.00E+00 4.47E-02 2.77E-04 0.00E+00 8.16E-12 1.04E-06 7.14E-05 4.06E-03

3.22E+02 0.00E+00 3.77E-02 2.23E-04 0.00E+00 1.52E-12 3.30E-07 4.05E-05 2.72E-03

3.41E+02 0.00E+00 3.15E-02 1.78E-04 0.00E+00 1.30E-13 9.87E-08 2.21E-05 1.76E-03

3.61E+02 0.00E+00 2.60E-02 1.40E-04 0.00E+00 4.55E-15 3.50E-08 1.16E-05 1.13E-03

3.82E+02 0.00E+00 2.12E-02 1.09E-04 0.00E+00 4.12E-16 1.22E-08 5.77E-06 7.26E-04

4.04E+02 0.00E+00 1.71E-02 8.40E-05 0.00E+00 3.26E-17 3.83E-09 2.68E-06 4.49E-04

4.28E+02 0.00E+00 1.35E-02 6.38E-05 0.00E+00 1.27E-18 1.08E-09 1.09E-06 2.65E-04

4.53E+02 0.00E+00 1.06E-02 4.78E-05 0.00E+00 3.87E-20 2.65E-10 3.93E-07 1.47E-04

4.79E+02 0.00E+00 8.14E-03 3.52E-05 0.00E+00 2.75E-21 5.11E-11 1.18E-07 7.53E-05

5.07E+02 0.00E+00 6.15E-03 2.56E-05 0.00E+00 1.84E-23 8.17E-12 3.30E-08 3.42E-05

5.36E+02 0.00E+00 4.56E-03 1.82E-05 0.00E+00 9.02E-26 1.45E-15 8.53E-09 1.21E-05

5.68E+02 0.00E+00 3.31E-03 1.28E-05 0.00E+00 8.29E-28 2.43E-17 2.68E-09 4.02E-06

0.01E+02 0.00E+00 2.34E-03 8.72E-06 0.00E+00 0.00E+00 3.98E-19 3.97E-10 1.98E-06

6.36E+02 0.00E+00 1.62E-03 5.81E-06 0.00E+00 0.00E+00 3.31E-20 9.87E-11 9.34E-07

6.73E+02 0.00E+00 1.08E-03 3.76E-06 0.00E+00 0.00E+00 2.38E-21 1.22E-11 4.23E-07

7.12E+02 0.00E+00 6.99E-04 2.39E-06 0.00E+00 0.00E+00 4.31E-24 1.55E-12 1.18E-08

7.53E+02 0.00E+00 4.33E-04 1.46E-06 0.00E+00 0.00E+00 2.21E-26 6.67E-15 4.10E-09

7.97E+02 0.00E+00 2.55E-04 8.48E-07 0.00E+00 0.00E+00 6.08E-29 1.93E-16 1.34E-09

8.44E+02 0.00E+00 1.40E-04 4.63E-07 0.00E+00 0.00E+00 0.00E+00 2.28E-17 4.10E-10

8.93E+02 0.00E+00 6.94E-05 2.32E-07 0.00E+00 0.00E+00 0.00E+00 1.18E-19 2.80E-12

9.45E+02 0.00E+00 2.86E-05 9.84E-08 0.00E+00 0.00E+00 0.00E+00 3.01E-21 6.14E-13

1.00E+03 0.00E+00 6.91E-06 2.74E-08 0.00E+00 0.00E+00 0.00E+00 1.86E-22 1.23E-13

Probabilistic results summary : RESRAD Default Parameters

File : C:\USERS\DNF\DOCUMENTS\FT CALHOUN\RESRAD INPUT FILES\SOIL UNCERTAINTY ANALYSIS\FCS SOIL UNCERTAINTY ANALYSIS TC-99.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	3.98E-01	2.09E+00	1.04E+00	8.74E-01	1.87E+00	1.99E+00	2.02E+00	2.06E+00
1.00E+00	2.14E-01	2.06E+00	8.26E-01	6.87E-01	1.50E+00	1.79E+00	1.90E+00	1.99E+00
1.06E+00	2.05E-01	2.06E+00	8.16E-01	6.81E-01	1.48E+00	1.78E+00	1.89E+00	1.99E+00
1.12E+00	1.96E-01	2.06E+00	8.06E-01	6.73E-01	1.46E+00	1.77E+00	1.88E+00	1.98E+00
1.19E+00	1.86E-01	2.06E+00	7.96E-01	6.67E-01	1.45E+00	1.75E+00	1.88E+00	1.98E+00
1.25E+00	1.77E-01	2.06E+00	7.85E-01	6.64E-01	1.44E+00	1.75E+00	1.87E+00	1.97E+00
1.33E+00	1.68E-01	2.05E+00	7.75E-01	6.56E-01	1.43E+00	1.73E+00	1.86E+00	1.97E+00
1.40E+00	1.59E-01	2.05E+00	7.64E-01	6.47E-01	1.40E+00	1.72E+00	1.85E+00	1.96E+00
1.49E+00	1.51E-01	2.05E+00	7.53E-01	6.30E-01	1.39E+00	1.70E+00	1.84E+00	1.96E+00
1.57E+00	1.42E-01	2.05E+00	7.41E-01	6.16E-01	1.37E+00	1.69E+00	1.83E+00	1.95E+00
1.66E+00	1.34E-01	2.04E+00	7.29E-01	6.07E-01	1.35E+00	1.67E+00	1.82E+00	1.95E+00
1.76E+00	1.26E-01	2.04E+00	7.18E-01	5.95E-01	1.34E+00	1.66E+00	1.81E+00	1.94E+00
1.86E+00	1.19E-01	2.04E+00	7.06E-01	5.84E-01	1.31E+00	1.64E+00	1.79E+00	1.93E+00
1.97E+00	1.11E-01	2.04E+00	6.94E-01	5.70E-01	1.30E+00	1.63E+00	1.78E+00	1.93E+00
2.09E+00	1.04E-01	2.03E+00	6.81E-01	5.57E-01	1.29E+00	1.61E+00	1.77E+00	1.92E+00
2.21E+00	9.79E-02	2.03E+00	6.69E-01	5.45E-01	1.27E+00	1.59E+00	1.75E+00	1.91E+00
2.24E+00	9.18E-02	2.03E+00	6.57E-01	5.38E-01	1.25E+00	1.56E+00	1.74E+00	1.91E+00
2.27E+00	8.61E-02	2.02E+00	6.44E-01	5.28E-01	1.23E+00	1.54E+00	1.73E+00	1.90E+00
2.26E+00	8.08E-02	2.02E+00	6.32E-01	5.22E-01	1.21E+00	1.52E+00	1.72E+00	1.89E+00
2.27E+00	7.60E-02	2.02E+00	6.19E-01	5.12E-01	1.19E+00	1.50E+00	1.71E+00	1.88E+00
2.93E+00	7.17E-02	2.01E+00	6.07E-01	5.02E-01	1.18E+00	1.47E+00	1.70E+00	1.87E+00
3.00E+00	7.00E-02	2.01E+00	6.02E-01	5.00E-01	1.18E+00	1.46E+00	1.70E+00	1.86E+00
3.310E+00	6.77E-02	2.01E+00	5.95E-01	4.91E-01	1.17E+00	1.45E+00	1.69E+00	1.86E+00
3.328E+00	6.42E-02	2.00E+00	5.82E-01	4.81E-01	1.16E+00	1.42E+00	1.68E+00	1.85E+00
3.48E+00	6.11E-02	2.00E+00	5.70E-01	4.69E-01	1.14E+00	1.40E+00	1.67E+00	1.84E+00
3.68E+00	5.84E-02	1.99E+00	5.58E-01	4.48E-01	1.13E+00	1.39E+00	1.65E+00	1.82E+00
3.89E+00	5.60E-02	1.99E+00	5.46E-01	4.33E-01	1.14E+00	1.37E+00	1.64E+00	1.81E+00
4.12E+00	5.40E-02	1.98E+00	5.33E-01	4.23E-01	1.11E+00	1.36E+00	1.62E+00	1.80E+00
4.36E+00	5.23E-02	1.98E+00	5.21E-01	4.14E-01	1.08E+00	1.35E+00	1.61E+00	1.79E+00
4.61E+00	5.09E-02	1.97E+00	5.09E-01	4.04E-01	1.05E+00	1.33E+00	1.60E+00	1.77E+00
4.88E+00	4.97E-02	1.96E+00	4.97E-01	3.94E-01	1.03E+00	1.31E+00	1.59E+00	1.76E+00
5.17E+00	4.88E-02	1.96E+00	4.85E-01	3.88E-01	1.00E+00	1.28E+00	1.58E+00	1.74E+00
5.547E+00	4.81E-02	1.95E+00	4.74E-01	3.77E-01	9.68E-01	1.25E+00	1.57E+00	1.73E+00
5.578E+00	4.75E-02	1.94E+00	4.62E-01	3.59E-01	9.60E-01	1.25E+00	1.55E+00	1.71E+00
6.12E+00	4.70E-02	1.93E+00	4.51E-01	3.50E-01	9.24E-01	1.20E+00	1.53E+00	1.70E+00
6.48E+00	4.05E-02	1.92E+00	4.40E-01	3.43E-01	9.07E-01	1.18E+00	1.52E+00	1.68E+00
6.86E+00	2.90E-02	1.91E+00	4.30E-01	3.37E-01	8.81E-01	1.17E+00	1.50E+00	1.66E+00
7.26E+00	2.35E-02	1.91E+00	4.20E-01	3.28E-01	8.55E-01	1.14E+00	1.48E+00	1.64E+00
7.68E+00	1.52E-02	1.90E+00	4.11E-01	3.21E-01	8.19E-01	1.10E+00	1.45E+00	1.62E+00
8.13E+00	9.65E-03	1.88E+00	4.01E-01	3.14E-01	7.89E-01	1.08E+00	1.43E+00	1.60E+00
8.60E+00	5.94E-03	1.87E+00	3.92E-01	3.03E-01	7.68E-01	1.06E+00	1.36E+00	1.58E+00
9.10E+00	3.56E-03	1.86E+00	3.82E-01	2.92E-01	7.60E-01	1.04E+00	1.31E+00	1.55E+00
9.63E+00	2.07E-03	1.85E+00	3.73E-01	2.85E-01	7.29E-01	1.02E+00	1.31E+00	1.53E+00
1.00E+01	1.42E-03	1.84E+00	3.67E-01	2.79E-01	7.15E-01	1.01E+00	1.31E+00	1.53E+00
1.02E+01	1.17E-03	1.84E+00	3.64E-01	2.78E-01	7.02E-01	1.00E+00	1.31E+00	1.52E+00
1.08E+01	6.36E-04	1.82E+00	3.54E-01	2.61E-01	6.72E-01	9.82E-01	1.31E+00	1.51E+00
1.14E+01	3.34E-04	1.81E+00	3.43E-01	2.54E-01	6.51E-01	9.60E-01	1.29E+00	1.48E+00
1.21E+01	1.69E-04	1.79E+00	3.34E-01	2.51E-01	6.47E-01	9.35E-01	1.27E+00	1.46E+00
1.28E+01	8.25E-05	1.78E+00	3.24E-01	2.42E-01	6.46E-01	8.83E-01	1.25E+00	1.43E+00
1.35E+01	3.85E-05	1.76E+00	3.14E-01	2.34E-01	6.26E-01	8.35E-01	1.23E+00	1.41E+00
1.43E+01	1.72E-05	1.74E+00	3.04E-01	2.27E-01	6.13E-01	7.95E-01	1.22E+00	1.38E+00
1.51E+01	7.33E-06	1.73E+00	2.94E-01	2.19E-01	5.80E-01	7.52E-01	1.16E+00	1.35E+00
1.60E+01	2.88E-06	1.71E+00	2.84E-01	2.11E-01	5.67E-01	7.16E-01	1.06E+00	1.33E+00
1.70E+01	1.01E-06	1.69E+00	2.73E-01	2.09E-01	5.54E-01	6.95E-01	9.91E-01	1.31E+00
1.80E+01	3.30E-07	1.67E+00	2.60E-01	1.99E-01	5.37E-01	6.69E-01	9.57E-01	1.29E+00
1.90E+01	1.02E-07	1.64E+00	2.37E-01	1.72E-01	5.09E-01	6.56E-01	9.36E-01	1.27E+00

2.01E+01 2.92E-08 1.62E+00 2.08E-01 1.42E-01 4.73E-01 6.26E-01 9.10E-01 1.24E+00

2.13E+01 7.80E-09 1.60E+00 1.80E-01 1.12E-01 4.29E-01 5.98E-01 8.85E-01 1.19E+00

2.25E+01 0.00E+00 1.57E+00 1.55E-01 8.38E-02 4.01E-01 5.44E-01 8.58E-01 1.14E+00

2.38E+01 0.00E+00 1.55E+00 1.34E-01 6.27E-02 3.53E-01 5.22E-01 7.77E-01 1.09E+00

2.52E+01 0.00E+00 1.52E+00 1.15E-01 4.19E-02 3.22E-01 4.95E-01 7.29E-01 1.04E+00

2.67E+01 0.00E+00 1.50E+00 9.99E-02 2.61E-02 2.90E-01 4.62E-01 6.80E-01 9.97E-01

2.82E+01 0.00E+00 1.47E+00 8.68E-02 1.53E-02 2.47E-01 4.27E-01 6.24E-01 9.55E-01

2.99E+01 0.00E+00 1.44E+00 7.59E-02 9.83E-03 2.18E-01 4.12E-01 5.82E-01 9.13E-01

3.00E+01 0.00E+00 1.43E+00 7.52E-02 9.45E-03 2.13E-01 4.11E-01 5.79E-01 9.10E-01

3.16E+01 0.00E+00 1.40E+00 6.68E-02 5.40E-03 1.90E-01 3.79E-01 5.45E-01 8.70E-01

3.35E+01 0.00E+00 1.37E+00 5.91E-02 3.18E-03 1.64E-01 3.41E-01 5.09E-01 8.27E-01

3.54E+01 0.00E+00 1.33E+00 5.25E-02 1.72E-03 1.45E-01 3.13E-01 4.97E-01 7.84E-01

3.75E+01 0.00E+00 1.29E+00 4.67E-02 8.15E-04 1.18E-01 2.92E-01 4.84E-01 7.41E-01

3.97E+01 0.00E+00 1.25E+00 4.16E-02 4.30E-04 9.74E-02 2.66E-01 4.66E-01 6.98E-01

4.20E+01 0.00E+00 1.21E+00 3.73E-02 1.96E-04 8.25E-02 2.34E-01 4.36E-01 6.55E-01

4.44E+01 0.00E+00 1.17E+00 3.36E-02 8.17E-05 7.15E-02 2.05E-01 4.06E-01 6.13E-01

4.70E+01 0.00E+00 1.13E+00 3.03E-02 3.34E-05 6.24E-02 1.88E-01 3.78E-01 5.71E-01

4.97E+01 0.00E+00 1.08E+00 2.71E-02 1.33E-05 5.96E-02 1.67E-01 3.51E-01 5.30E-01

5.26E+01 0.00E+00 1.04E+00 2.42E-02 4.78E-06 4.85E-02 1.35E-01 3.30E-01 4.89E-01

5.57E+01 0.00E+00 9.97E-01 2.17E-02 1.69E-06 3.17E-02 1.17E-01 3.04E-01 4.50E-01

5.90E+01 0.00E+00 9.53E-01 1.94E-02 5.78E-07 2.51E-02 1.01E-01 2.79E-01 4.12E-01

6.24E+01 0.00E+00 9.07E-01 1.73E-02 1.97E-07 1.96E-02 8.55E-02 2.54E-01 3.98E-01

60E+01 0.00E+00 8.62E-01 1.55E-02 5.58E-08 1.50E-02 6.78E-02 2.36E-01 3.67E-01

99E+01 0.00E+00 8.16E-01 1.38E-02 1.51E-08 1.15E-02 6.02E-02 2.14E-01 3.26E-01

7.39E+01 0.00E+00 7.71E-01 1.24E-02 3.88E-09 8.67E-03 4.98E-02 1.93E-01 2.88E-01

7.82E+01 0.00E+00 7.25E-01 1.09E-02 9.19E-10 6.39E-03 3.65E-02 1.74E-01 2.68E-01

8.28E+01 0.00E+00 6.80E-01 9.70E-03 1.93E-10 4.38E-03 2.95E-02 1.59E-01 2.53E-01

8.76E+01 0.00E+00 6.35E-01 8.60E-03 3.83E-11 3.10E-03 2.36E-02 1.41E-01 2.38E-01

9.27E+01 0.00E+00 5.91E-01 7.61E-03 7.12E-12 2.15E-03 1.85E-02 1.24E-01 2.24E-01

9.81E+01 0.00E+00 5.48E-01 6.72E-03 1.04E-12 1.46E-03 1.44E-02 1.08E-01 2.09E-01

1.00E+02 0.00E+00 5.33E-01 6.44E-03 5.68E-13 1.27E-03 1.32E-02 1.03E-01 2.04E-01

1.04E+02 0.00E+00 5.05E-01 5.91E-03 1.52E-13 9.64E-04 1.10E-02 9.39E-02 1.90E-01

1.10E+02 0.00E+00 4.64E-01 5.18E-03 1.79E-14 6.24E-04 8.27E-03 8.06E-02 1.64E-01

1.16E+02 0.00E+00 4.24E-01 4.53E-03 1.79E-15 3.42E-04 6.12E-03 6.84E-02 1.42E-01

1.23E+02 0.00E+00 3.85E-01 3.95E-03 1.82E-16 2.12E-04 4.43E-03 5.66E-02 1.21E-01

1.30E+02 0.00E+00 3.48E-01 3.43E-03 1.61E-17 1.26E-04 3.15E-03 4.62E-02 1.02E-01

1.38E+02 0.00E+00 3.13E-01 2.97E-03 8.24E-19 7.44E-05 2.25E-03 3.68E-02 8.54E-02

1.46E+02 0.00E+00 2.79E-01 2.56E-03 5.53E-20 4.31E-05 1.58E-03 2.94E-02 7.07E-02

1.54E+02 0.00E+00 2.48E-01 2.20E-03 3.18E-21 2.41E-05 1.09E-03 2.33E-02 5.79E-02

1.63E+02 0.00E+00 2.18E-01 1.88E-03 6.77E-23 1.30E-05 7.31E-04 1.81E-02 4.88E-02

1.73E+02 0.00E+00 1.91E-01 1.60E-03 2.64E-24 6.42E-06 4.69E-04 1.36E-02 4.09E-02

1.83E+02 0.00E+00 1.65E-01 1.36E-03 6.11E-26 2.85E-06 2.90E-04 1.00E-02 3.40E-02

1.94E+02 0.00E+00 1.45E-01 1.15E-03 1.62E-27 1.18E-06 1.74E-04 7.37E-03 2.79E-02

2.05E+02 0.00E+00 1.33E-01 9.64E-04 3.41E-29 4.43E-07 1.02E-04 5.32E-03 2.29E-02

2.17E+02 0.00E+00 1.22E-01 8.07E-04 0.00E+00 1.15E-07 5.77E-05 3.70E-03 1.86E-02

2.29E+02 0.00E+00 1.10E-01 6.73E-04 0.00E+00 4.13E-08 3.15E-05 2.49E-03 1.49E-02

2.43E+02 0.00E+00 9.96E-02 5.59E-04 0.00E+00 1.36E-08 1.66E-05 1.62E-03 1.18E-02

2.57E+02 0.00E+00 8.94E-02 4.63E-04 0.00E+00 4.36E-09 8.41E-06 1.01E-03 9.13E-03

2.72E+02 0.00E+00 7.97E-02 3.81E-04 0.00E+00 1.39E-09 3.77E-06 5.92E-04 6.95E-03

2.88E+02 0.00E+00 7.06E-02 3.13E-04 0.00E+00 2.92E-10 1.37E-06 3.20E-04 5.19E-03

3.00E+02 0.00E+00 6.42E-02 2.69E-04 0.00E+00 1.03E-10 7.58E-07 2.25E-04 4.12E-03

3.05E+02 0.00E+00 6.20E-02 2.54E-04 0.00E+00 4.52E-11 6.09E-07 1.97E-04 3.78E-03

3.22E+02 0.00E+00 5.42E-02 2.05E-04 0.00E+00 2.69E-12 2.57E-07 1.18E-04 2.68E-03

3.41E+02 0.00E+00 4.69E-02 1.65E-04 0.00E+00 2.98E-13 9.37E-08 6.87E-05 1.84E-03

3.61E+02 0.00E+00 4.03E-02 1.32E-04 0.00E+00 2.55E-14 2.55E-08 3.88E-05 1.22E-03

3.82E+02 0.00E+00 3.43E-02 1.05E-04 0.00E+00 1.14E-15 8.90E-09 2.11E-05 7.98E-04

4.04E+02 0.00E+00 2.89E-02 8.35E-05 0.00E+00 1.20E-17 6.92E-10 1.11E-05 5.17E-04

4.28E+02 0.00E+00 2.41E-02 6.58E-05 0.00E+00 6.54E-19 1.65E-10 5.64E-06 3.26E-04

4.53E+02 0.00E+00 1.99E-02 5.16E-05 0.00E+00 5.45E-20 3.66E-11 2.75E-06 1.99E-04

4.79E+02 0.00E+00 1.63E-02 4.03E-05 0.00E+00 3.43E-21 6.17E-12 1.29E-06 1.17E-04

5.07E+02 0.00E+00 1.31E-02 3.12E-05 0.00E+00 2.03E-22 9.05E-13 3.59E-07 6.62E-05

5.36E+02 0.00E+00 1.05E-02 2.41E-05 0.00E+00 3.86E-24 4.82E-14 4.53E-08 3.57E-05

5.68E+02 0.00E+00 8.24E-03 1.84E-05 0.00E+00 3.50E-27 3.13E-16 3.26E-09 1.83E-05

0.01E+02 0.00E+00 6.39E-03 1.39E-05 0.00E+00 1.43E-30 1.55E-17 9.41E-10 8.73E-06

6.36E+02 0.00E+00 4.88E-03 1.04E-05 0.00E+00 0.00E+00 1.40E-18 2.51E-10 3.83E-06

6.73E+02 0.00E+00 3.68E-03 7.73E-06 0.00E+00 0.00E+00 1.05E-19 6.17E-11 1.47E-06

7.12E+02 0.00E+00 2.72E-03 5.65E-06 0.00E+00 0.00E+00 1.80E-22 2.68E-12 4.43E-07

7.53E+02 0.00E+00 1.98E-03 4.07E-06 0.00E+00 0.00E+00 8.17E-24 3.26E-13 1.88E-07

7.97E+02 0.00E+00 1.41E-03 2.88E-06 0.00E+00 0.00E+00 6.98E-27 2.03E-17 7.76E-08

8.44E+02 0.00E+00 9.90E-04 2.00E-06 0.00E+00 0.00E+00 0.00E+00 1.45E-20 5.27E-09

8.93E+02 0.00E+00 6.79E-04 1.37E-06 0.00E+00 0.00E+00 0.00E+00 2.12E-22 1.65E-09

9.45E+02 0.00E+00 4.55E-04 9.16E-07 0.00E+00 0.00E+00 0.00E+00 1.09E-23 4.84E-10

1.00E+03 0.00E+00 2.98E-04 5.99E-07 0.00E+00 0.00E+00 0.00E+00 4.65E-25 1.33E-10

Probabilistic results summary : RESRAD Default Parameters

File : C:\USERS\DNF\DOCUMENTS\FT CALHOUN\RESRAD INPUT FILES\SOIL UNCERTAINTY ANALYSIS\FCS SOIL UNCERTAINTY ANALYSIS TC-99.RAD

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

Repetition	Time of peak mean dose Years	Peak mean dose mrem/yr
1	0.000E+00	1.046E+00
2	0.000E+00	1.046E+00
3	0.000E+00	1.042E+00

Title : RESRAD Default Parameters

Input File : FCS SOIL UNCERTAINTY ANALYSIS TC-99.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	7	-0.07	7	-0.03	18	0.00	18	0.00
Contaminated zone b parameter	13	-0.02	13	-0.01	16	-0.01	16	0.00
Evapotranspiration coefficient	2	0.34	2	0.12	2	0.49	2	0.12
Wind Speed	9	0.04	9	0.01	14	0.02	14	0.00
Runoff coefficient	5	0.10	5	0.03	5	0.24	5	0.05
Well pump intake depth	3	-0.21	3	-0.07	3	-0.42	3	-0.10
b Parameter of Unsaturated zone 1	8	-0.07	8	-0.02	12	-0.04	12	-0.01
Mass loading for inhalation	6	0.09	6	0.03	6	0.08	6	0.02
Indoor dust filtration factor	11	0.03	11	0.01	10	0.05	10	0.01
Depth of soil mixing layer	18	0.00	18	0.00	8	-0.05	8	-0.01
Depth of roots	1	-0.94	1	-0.93	1	-0.97	1	-0.95
Wet weight crop yield of fruit, grain and non-leafy vegetables	16	0.01	16	0.00	11	0.04	11	0.01
Weathering removal constant of all vegetation	17	0.00	17	0.00	7	-0.07	7	-0.02
Wet foliar interception fraction of leafy vegetables	15	-0.01	15	0.00	15	0.01	15	0.00
Humidity in air	12	0.03	12	0.01	9	0.05	9	0.01
Kd of Tc-99 in Contaminated Zone	4	0.18	4	0.06	4	0.29	4	0.07
Kd of Tc-99 in Unsaturated Zone 1	14	0.01	14	0.00	13	0.03	13	0.01
Kd of Tc-99 in Saturated Zone	10	-0.04	10	-0.01	17	-0.01	17	0.00
R-SQUARE		0.89		0.89		0.95		0.95

-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 TC-99.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	5 -0.11	5 -0.04	15 -0.02	15 0.00
Contaminated zone b parameter	13 -0.04	13 -0.01	14 -0.02	14 0.00
Evapotranspiration coefficient	2 0.38	2 0.13	2 0.52	2 0.14
Wind Speed	16 -0.02	16 -0.01	18 0.00	18 0.00
Runoff coefficient	4 0.20	4 0.07	5 0.27	5 0.06
Well pump intake depth	3 -0.27	3 -0.09	3 -0.38	3 -0.09
b Parameter of Unsaturated zone 1	9 -0.08	9 -0.03	17 0.01	17 0.00
Mass loading for inhalation	7 0.10	7 0.03	8 0.06	8 0.01
Indoor dust filtration factor	6 0.11	6 0.03	6 0.14	6 0.03
Depth of soil mixing layer	12 -0.04	12 -0.01	7 -0.08	7 -0.02
Depth of roots	1 -0.94	1 -0.93	1 -0.97	1 -0.95
Wet weight crop yield of fruit, grain and non-leafy vegetables	14 -0.03	14 -0.01	9 -0.05	9 -0.01
Weathering removal constant of all vegetation	11 0.06	11 0.02	13 0.02	13 0.01
Wet foliar interception fraction of leafy vegetables	15 0.03	15 0.01	16 0.02	16 0.00
Humidity in air	10 0.06	10 0.02	10 0.04	10 0.01
Kd of Tc-99 in Contaminated Zone	8 0.09	8 0.03	4 0.31	4 0.07
Kd of Tc-99 in Unsaturated Zone 1	17 -0.01	17 0.00	12 0.03	12 0.01
Kd of Tc-99 in Saturated Zone	18 0.00	18 0.00	11 -0.03	11 -0.01
R-SQUARE	0.90	0.90	0.95	0.95

-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 TC-99.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	11	-0.05	11	-0.02	15	-0.01	15	0.00
Contaminated zone b parameter	18	-0.01	18	0.00	11	0.04	11	0.01
Evapotranspiration coefficient	2	0.40	2	0.14	2	0.61	2	0.14
Wind Speed	13	-0.05	13	-0.01	12	0.03	12	0.01
Runoff coefficient	4	0.12	4	0.04	5	0.26	5	0.05
Well pump intake depth	5	-0.12	5	-0.04	4	-0.35	4	-0.07
b Parameter of Unsaturated zone 1	17	0.02	17	0.01	6	0.08	6	0.02
Mass loading for inhalation	12	0.05	12	0.02	10	0.04	10	0.01
Indoor dust filtration factor	8	0.06	8	0.02	17	0.01	17	0.00
Depth of soil mixing layer	14	-0.04	14	-0.01	9	-0.05	9	-0.01
Depth of roots	1	-0.95	1	-0.94	1	-0.98	1	-0.96
Wet weight crop yield of fruit, grain and non-leafy vegetables	15	-0.02	15	-0.01	16	-0.01	16	0.00
Weathering removal constant of all vegetation	9	-0.05	9	-0.02	7	-0.07	7	-0.01
Wet foliar interception fraction of leafy vegetables	7	-0.06	7	-0.02	18	0.00	18	0.00
Humidity in air	16	-0.02	16	-0.01	14	-0.02	14	0.00
Kd of Tc-99 in Contaminated Zone	3	0.25	3	0.08	3	0.37	3	0.08
Kd of Tc-99 in Unsaturated Zone 1	6	-0.07	6	-0.02	13	-0.02	13	0.00
Kd of Tc-99 in Saturated Zone	10	-0.05	10	-0.02	8	-0.07	8	-0.01
R-SQUARE	0.90		0.90		0.96		0.96	

-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.