

Probabilistic results summary : RESRAD Default Parameters

File : C:\USERS\DNF\DOCUMENTS\FT CALHOUN\RESRAD INPUT FILES\SOIL UNCERTAINTY ANALYSIS\FCS SOIL UNCERTAINTY ANALYSIS NI-63.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

Number	Name	Distribution	Parameters																
1	VCZ	CONTINUOUS LOGARITHMIC4	5.E-8	0	.0007	.22	.005	.95	.2	1									
2	BCZ	BOUNDED LOGNORMAL-N	1.28	.334	1.28	10.1													
3	EVAPTR	UNIFORM	.5	.99															
4	WIND	UNIFORM	2.8	4.7															
5	RUNOFF	UNIFORM	.1	.8															
6	DWBWT	CONTINUOUS LINEAR	6	5	0	24	.29	43	.66	53	.68	76	.95	89	1				
7	BUZ (1)	BOUNDED LOGNORMAL-N	1.28	.334	1.28	10.1													
8	MLINH	CONTINUOUS LINEAR	8	0	0	.000008	.0151	.000016	.1365	.00003	.8119	.00004	.9495	.00006	.9937	.000076	.9983	.0001	1
9	SHF3	UNIFORM	.15	.95															
10	DM	TRIANGULAR	0	.15	.6														
11	DROOT	UNIFORM	.3	4															
12	YV (1)	TRUNCATED LOGNORMAL-N	.56	.48	.001	.999													
13	WLAM	TRIANGULAR	5.1	18	84														
14	RWET (2)	TRIANGULAR	.06	.67	.95														
15	HUMID	TRUNCATED LOGNORMAL-N	1.98	.334	.001	.999													
16	DCACTC (1)	LOGNORMAL-N	5.19	1.61															
17	DCACTU1 (1)	LOGNORMAL-N	5.19	1.61															
18	DCACTS (1)	LOGNORMAL-N	4.87	2.3															

Probabilistic Total Dose Summary

Nuclide (j)	Peak	Peak	DOSE(j,t), mrem/yr							
	Time	Dose	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
Ni-63										
Min	0.00E+00	1.13E-02	1.13E-02	1.07E-02	7.61E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	3.58E-02	3.58E-02	3.55E-02	3.50E-02	3.33E-02	2.88E-02	1.87E-02	4.09E-03	2.60E-05
Avg	0.00E+00	2.15E-02	2.15E-02	2.13E-02	2.08E-02	1.92E-02	1.56E-02	7.93E-03	1.10E-03	2.29E-06
Std	0.00E+00	8.84E-03	8.84E-03	8.77E-03	8.68E-03	8.47E-03	7.47E-03	4.49E-03	1.04E-03	4.67E-06
ALL										
Min	0.00E+00	1.13E-02	1.13E-02	1.07E-02	7.61E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	3.58E-02	3.58E-02	3.55E-02	3.50E-02	3.33E-02	2.88E-02	1.87E-02	4.09E-03	2.60E-05
Avg	0.00E+00	2.15E-02	2.15E-02	2.13E-02	2.08E-02	1.92E-02	1.56E-02	7.93E-03	1.10E-03	2.29E-06
Std	0.00E+00	8.84E-03	8.84E-03	8.77E-03	8.68E-03	8.47E-03	7.47E-03	4.49E-03	1.04E-03	4.67E-06

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
<hr/>									
Ni-63									
Min		5.65E-07	5.47E-07	4.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		1.78E-06	1.76E-06	1.74E-06	1.65E-06	1.43E-06	9.10E-07	2.03E-07	1.29E-09
Avg		1.07E-06	1.06E-06	1.03E-06	9.53E-07	7.75E-07	3.94E-07	5.46E-08	1.13E-10
Std		4.39E-07	4.35E-07	4.30E-07	4.20E-07	3.71E-07	2.23E-07	5.14E-08	2.32E-10
ALL									
Min		5.65E-07	5.47E-07	4.50E-07	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		1.78E-06	1.76E-06	1.74E-06	1.65E-06	1.43E-06	9.10E-07	2.03E-07	1.29E-09
Avg		1.07E-06	1.06E-06	1.03E-06	9.53E-07	7.75E-07	3.94E-07	5.46E-08	1.13E-10
Std		4.39E-07	4.35E-07	4.30E-07	4.20E-07	3.71E-07	2.23E-07	5.14E-08	2.32E-10
<hr/>									

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
<hr/>									
Ni-63									
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
<hr/>									

TOTAL 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
Ni-63									
Min		2.39E-10	2.37E-10	2.34E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		5.29E-07	5.25E-07	5.18E-07	4.92E-07	4.24E-07	2.53E-07	5.80E-08	3.33E-10
Avg		8.53E-08	8.45E-08	8.30E-08	7.70E-08	6.36E-08	3.48E-08	5.50E-09	1.12E-11
Std		5.18E-08	5.14E-08	5.05E-08	4.81E-08	4.15E-08	2.49E-08	5.77E-09	2.58E-11
ΣALL									
Min		2.39E-10	2.37E-10	2.34E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		5.29E-07	5.25E-07	5.18E-07	4.92E-07	4.24E-07	2.53E-07	5.80E-08	3.33E-10
Avg		8.53E-08	8.45E-08	8.30E-08	7.70E-08	6.36E-08	3.48E-08	5.50E-09	1.12E-11
Std		5.18E-08	5.14E-08	5.05E-08	4.81E-08	4.15E-08	2.49E-08	5.77E-09	2.58E-11

ΣALL 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
<hr/>									
Ni-63									
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/>									

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
<hr/>									
Ni-63									
Min		1.74E-03	1.60E-03	9.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		7.00E-03	6.95E-03	6.85E-03	6.51E-03	5.64E-03	3.40E-03	8.01E-04	5.09E-06
Avg		3.94E-03	3.89E-03	3.79E-03	3.49E-03	2.83E-03	1.40E-03	1.85E-04	3.75E-07
Std		1.90E-03	1.89E-03	1.87E-03	1.80E-03	1.57E-03	9.27E-04	2.02E-04	8.71E-07
<hr/>									
ALL									
Min		1.74E-03	1.60E-03	9.71E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		7.00E-03	6.95E-03	6.85E-03	6.51E-03	5.64E-03	3.40E-03	8.01E-04	5.09E-06
Avg		3.94E-03	3.89E-03	3.79E-03	3.49E-03	2.83E-03	1.40E-03	1.85E-04	3.75E-07
Std		1.90E-03	1.89E-03	1.87E-03	1.80E-03	1.57E-03	9.27E-04	2.02E-04	8.71E-07
<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 NI-63.RAD

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
<hr/>									
Ni-63									
Min		4.53E-04	4.36E-04	2.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		1.10E-03	1.09E-03	1.08E-03	1.02E-03	8.86E-04	5.34E-04	1.26E-04	8.00E-07
Avg		7.25E-04	7.17E-04	7.01E-04	6.47E-04	5.28E-04	2.71E-04	3.83E-05	7.58E-08
Std		2.33E-04	2.31E-04	2.29E-04	2.29E-04	2.08E-04	1.30E-04	3.30E-05	1.54E-07
<hr/>									
ΣALL									
Min		4.53E-04	4.36E-04	2.79E-04	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		1.10E-03	1.09E-03	1.08E-03	1.02E-03	8.86E-04	5.34E-04	1.26E-04	8.00E-07
Avg		7.25E-04	7.17E-04	7.01E-04	6.47E-04	5.28E-04	2.71E-04	3.83E-05	7.58E-08
Std		2.33E-04	2.31E-04	2.29E-04	2.29E-04	2.08E-04	1.30E-04	3.30E-05	1.54E-07
<hr/>									

ΣALL 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 NI-63.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
<hr/>								
Ni-63								
Min	9.08E-03	8.66E-03	6.28E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	2.77E-02	2.75E-02	2.71E-02	2.57E-02	2.23E-02	1.34E-02	3.16E-03	2.01E-05
Avg	1.69E-02	1.67E-02	1.63E-02	1.50E-02	1.22E-02	6.16E-03	8.44E-04	1.69E-06
Std	6.70E-03	6.65E-03	6.58E-03	6.44E-03	5.70E-03	3.45E-03	8.07E-04	3.63E-06
ΣALL								
Min	9.08E-03	8.66E-03	6.28E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	2.77E-02	2.75E-02	2.71E-02	2.57E-02	2.23E-02	1.34E-02	3.16E-03	2.01E-05
Avg	1.69E-02	1.67E-02	1.63E-02	1.50E-02	1.22E-02	6.16E-03	8.44E-04	1.69E-06
Std	6.70E-03	6.65E-03	6.58E-03	6.44E-03	5.70E-03	3.45E-03	8.07E-04	3.63E-06
<hr/>								

ΣALL 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 NI-63.RAD

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
<hr/>									
Ni-63									
Min		6.75E-06	4.47E-06	1.96E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		8.21E-06	8.15E-06	8.03E-06	7.63E-06	6.61E-06	3.99E-06	9.40E-07	5.99E-09
Avg		8.20E-06	8.12E-06	7.97E-06	7.40E-06	6.12E-06	3.34E-06	5.29E-07	1.01E-09
Std		4.31E-08	1.13E-07	2.09E-07	8.86E-07	1.20E-06	1.03E-06	3.68E-07	1.84E-09
<hr/>									
ALL									
Min		6.75E-06	4.47E-06	1.96E-06	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		8.21E-06	8.15E-06	8.03E-06	7.63E-06	6.61E-06	3.99E-06	9.40E-07	5.99E-09
Avg		8.20E-06	8.12E-06	7.97E-06	7.40E-06	6.12E-06	3.34E-06	5.29E-07	1.01E-09
Std		4.31E-08	1.13E-07	2.09E-07	8.86E-07	1.20E-06	1.03E-06	3.68E-07	1.84E-09
<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 NI-63.RAD

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/>									
Ni-63									
Min		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		1.15E-07	1.72E-06	2.97E-05	1.70E-04	2.41E-03	3.58E-03	6.24E-04	2.13E-06
Avg		1.81E-10	3.55E-09	5.46E-08	8.63E-07	8.70E-06	2.92E-05	1.13E-05	4.84E-08
Std		3.71E-09	6.16E-08	8.92E-07	7.79E-06	8.58E-05	2.00E-04	3.97E-05	1.42E-07
<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		1.15E-07	1.72E-06	2.97E-05	1.70E-04	2.41E-03	3.58E-03	6.24E-04	2.13E-06
Avg		1.81E-10	3.55E-09	5.46E-08	8.63E-07	8.70E-06	2.92E-05	1.13E-05	4.84E-08
Std		3.71E-09	6.16E-08	8.92E-07	7.79E-06	8.58E-05	2.00E-04	3.97E-05	1.42E-07
<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 NI-63.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
<hr/>									
Ni-63									
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
<hr/>									

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 NI-63.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/>									
Ni-63									
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/>									

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 NI-63.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/>									
Ni-63									
Min		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		1.18E-08	1.00E-07	1.91E-06	5.07E-05	7.52E-04	8.13E-04	6.90E-05	1.57E-07
Avg		1.27E-11	2.25E-10	4.30E-09	1.01E-07	1.18E-06	3.53E-06	1.06E-06	4.14E-09
Std		3.20E-10	3.84E-09	6.88E-08	1.43E-06	2.05E-05	3.29E-05	4.02E-06	1.13E-08
<hr/>									
ΣALL									
Min		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		1.18E-08	1.00E-07	1.91E-06	5.07E-05	7.52E-04	8.13E-04	6.90E-05	1.57E-07
Avg		1.27E-11	2.25E-10	4.30E-09	1.01E-07	1.18E-06	3.53E-06	1.06E-06	4.14E-09
Std		3.20E-10	3.84E-09	6.88E-08	1.43E-06	2.05E-05	3.29E-05	4.02E-06	1.13E-08
<hr/>									

ΣALL 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 NI-63.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/>									
Ni-63									
Min		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		7.67E-09	1.22E-07	2.79E-06	1.99E-05	3.23E-04	3.90E-04	5.13E-05	1.83E-07
Avg		1.05E-11	2.78E-10	5.04E-09	8.79E-08	9.34E-07	3.08E-06	1.13E-06	4.75E-09
Std		2.26E-10	4.71E-09	8.43E-08	8.37E-07	1.04E-05	2.18E-05	3.86E-06	1.34E-08
<hr/>									
ΣALL									
Min		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		7.67E-09	1.22E-07	2.79E-06	1.99E-05	3.23E-04	3.90E-04	5.13E-05	1.83E-07
Avg		1.05E-11	2.78E-10	5.04E-09	8.79E-08	9.34E-07	3.08E-06	1.13E-06	4.75E-09
Std		2.26E-10	4.71E-09	8.43E-08	8.37E-07	1.04E-05	2.18E-05	3.86E-06	1.34E-08
<hr/>									

ΣALL 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 NI-63.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/>									
Ni-63									
Min		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		1.74E-07	2.25E-06	5.70E-05	4.53E-04	7.15E-03	8.25E-03	9.12E-04	3.41E-06
Avg		2.41E-10	5.56E-09	1.02E-07	1.79E-06	1.91E-05	6.21E-05	2.22E-05	9.30E-08
Std		5.16E-09	9.29E-08	1.73E-06	1.77E-05	2.24E-04	4.50E-04	7.57E-05	2.58E-07
<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		1.74E-07	2.25E-06	5.70E-05	4.53E-04	7.15E-03	8.25E-03	9.12E-04	3.41E-06
Avg		2.41E-10	5.56E-09	1.02E-07	1.79E-06	1.91E-05	6.21E-05	2.22E-05	9.30E-08
Std		5.16E-09	9.29E-08	1.73E-06	1.77E-05	2.24E-04	4.50E-04	7.57E-05	2.58E-07
<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 NI-63.RAD

Cumulative Probability Summary for: Total Dose Over Pathways

Cumulative Probability	Dose(t), mrem/yr							
	t= 0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
0.025	1.16E-02	1.14E-02	1.11E-02	8.79E-03	1.70E-04	4.86E-08	0.00E+00	0.00E+00
0.050	1.18E-02	1.16E-02	1.13E-02	1.04E-02	6.69E-03	5.38E-04	8.34E-09	0.00E+00
0.075	1.20E-02	1.18E-02	1.15E-02	1.06E-02	8.30E-03	2.48E-03	9.29E-08	0.00E+00
0.100	1.22E-02	1.20E-02	1.17E-02	1.08E-02	8.70E-03	3.51E-03	5.33E-07	0.00E+00
0.125	1.24E-02	1.23E-02	1.19E-02	1.10E-02	8.93E-03	3.93E-03	1.49E-06	1.88E-30
0.150	1.27E-02	1.25E-02	1.21E-02	1.12E-02	9.14E-03	4.20E-03	4.01E-06	7.82E-11
0.175	1.29E-02	1.27E-02	1.24E-02	1.14E-02	9.27E-03	4.43E-03	1.39E-05	2.60E-10
0.200	1.32E-02	1.30E-02	1.26E-02	1.17E-02	9.49E-03	4.68E-03	4.54E-05	5.95E-10
0.225	1.35E-02	1.33E-02	1.29E-02	1.19E-02	9.72E-03	4.87E-03	1.14E-04	1.27E-09
0.250	1.38E-02	1.36E-02	1.32E-02	1.22E-02	9.92E-03	5.02E-03	1.84E-04	1.95E-09
0.275	1.41E-02	1.39E-02	1.35E-02	1.25E-02	1.02E-02	5.16E-03	2.76E-04	3.29E-09
0.300	1.45E-02	1.43E-02	1.38E-02	1.28E-02	1.04E-02	5.32E-03	3.67E-04	5.07E-09
0.325	1.48E-02	1.46E-02	1.42E-02	1.32E-02	1.07E-02	5.49E-03	4.48E-04	6.98E-09
0.350	1.52E-02	1.50E-02	1.46E-02	1.35E-02	1.10E-02	5.63E-03	5.27E-04	9.52E-09
0.375	1.56E-02	1.54E-02	1.50E-02	1.38E-02	1.13E-02	5.78E-03	6.07E-04	1.29E-08
0.400	1.61E-02	1.59E-02	1.55E-02	1.43E-02	1.16E-02	5.97E-03	6.70E-04	1.70E-08
0.425	1.66E-02	1.64E-02	1.60E-02	1.47E-02	1.21E-02	6.13E-03	7.53E-04	2.13E-08
0.450	1.71E-02	1.69E-02	1.64E-02	1.52E-02	1.24E-02	6.32E-03	8.12E-04	3.40E-08
0.475	1.77E-02	1.75E-02	1.69E-02	1.57E-02	1.29E-02	6.51E-03	8.67E-04	4.18E-08
0.500	1.83E-02	1.80E-02	1.75E-02	1.63E-02	1.33E-02	6.71E-03	9.20E-04	5.61E-08
0.525	1.90E-02	1.87E-02	1.82E-02	1.69E-02	1.38E-02	6.93E-03	9.92E-04	7.45E-08
0.550	1.97E-02	1.94E-02	1.90E-02	1.75E-02	1.42E-02	7.17E-03	1.05E-03	9.95E-08
0.575	2.06E-02	2.03E-02	1.98E-02	1.84E-02	1.50E-02	7.47E-03	1.10E-03	1.41E-07
0.600	2.14E-02	2.12E-02	2.07E-02	1.92E-02	1.56E-02	7.68E-03	1.15E-03	1.92E-07
0.625	2.25E-02	2.22E-02	2.16E-02	1.99E-02	1.63E-02	8.15E-03	1.20E-03	3.01E-07
0.650	2.36E-02	2.34E-02	2.29E-02	2.12E-02	1.70E-02	8.60E-03	1.26E-03	4.22E-07
0.675	2.49E-02	2.46E-02	2.40E-02	2.23E-02	1.81E-02	9.06E-03	1.35E-03	6.36E-07
0.700	2.63E-02	2.60E-02	2.54E-02	2.35E-02	1.92E-02	9.52E-03	1.43E-03	9.36E-07
0.725	2.78E-02	2.75E-02	2.68E-02	2.49E-02	2.02E-02	1.00E-02	1.49E-03	1.38E-06
0.750	2.98E-02	2.94E-02	2.87E-02	2.63E-02	2.13E-02	1.06E-02	1.59E-03	1.95E-06
0.775	3.18E-02	3.14E-02	3.05E-02	2.81E-02	2.25E-02	1.12E-02	1.67E-03	2.69E-06
0.800	3.44E-02	3.40E-02	3.31E-02	3.02E-02	2.42E-02	1.19E-02	1.81E-03	3.54E-06
0.825	3.57E-02	3.52E-02	3.44E-02	3.17E-02	2.56E-02	1.27E-02	1.93E-03	4.68E-06
0.850	3.57E-02	3.54E-02	3.48E-02	3.26E-02	2.71E-02	1.38E-02	2.15E-03	5.86E-06
0.875	3.58E-02	3.55E-02	3.49E-02	3.29E-02	2.77E-02	1.47E-02	2.39E-03	7.23E-06
0.900	3.58E-02	3.55E-02	3.49E-02	3.30E-02	2.81E-02	1.57E-02	2.67E-03	8.54E-06
0.925	3.58E-02	3.55E-02	3.50E-02	3.31E-02	2.84E-02	1.64E-02	2.93E-03	9.47E-06
0.950	3.58E-02	3.55E-02	3.50E-02	3.32E-02	2.86E-02	1.69E-02	3.42E-03	1.34E-05
0.975	3.58E-02	3.55E-02	3.50E-02	3.33E-02	2.87E-02	1.72E-02	3.90E-03	1.71E-05
1.000	3.58E-02	3.55E-02	3.50E-02	3.33E-02	2.88E-02	1.87E-02	4.09E-03	2.60E-05

Probabilistic results summary : RESRAD Default Parameters

File : C:\USERS\DNF\DOCUMENTS\FT CALHOUN\RESRAD INPUT FILES\SOIL UNCERTAINTY ANALYSIS\FCS SOIL UNCERTAINTY ANALYSIS NI-63.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	1.14E-02	3.58E-02	2.15E-02	1.83E-02	3.58E-02	3.58E-02	3.58E-02	3.58E-02
1.00E+00	1.12E-02	3.55E-02	2.13E-02	1.79E-02	3.55E-02	3.55E-02	3.55E-02	3.55E-02
1.06E+00	1.12E-02	3.55E-02	2.13E-02	1.79E-02	3.55E-02	3.55E-02	3.55E-02	3.55E-02
1.12E+00	1.12E-02	3.55E-02	2.13E-02	1.79E-02	3.54E-02	3.55E-02	3.55E-02	3.55E-02
1.19E+00	1.11E-02	3.55E-02	2.12E-02	1.79E-02	3.54E-02	3.55E-02	3.55E-02	3.55E-02
1.25E+00	1.11E-02	3.54E-02	2.12E-02	1.79E-02	3.54E-02	3.54E-02	3.54E-02	3.54E-02
1.33E+00	1.11E-02	3.54E-02	2.12E-02	1.79E-02	3.54E-02	3.54E-02	3.54E-02	3.54E-02
1.40E+00	1.11E-02	3.54E-02	2.12E-02	1.79E-02	3.54E-02	3.54E-02	3.54E-02	3.54E-02
1.49E+00	1.11E-02	3.54E-02	2.12E-02	1.78E-02	3.53E-02	3.54E-02	3.54E-02	3.54E-02
1.57E+00	1.11E-02	3.54E-02	2.12E-02	1.78E-02	3.53E-02	3.54E-02	3.54E-02	3.54E-02
1.66E+00	1.10E-02	3.53E-02	2.11E-02	1.78E-02	3.53E-02	3.53E-02	3.53E-02	3.53E-02
1.76E+00	1.10E-02	3.53E-02	2.11E-02	1.78E-02	3.53E-02	3.53E-02	3.53E-02	3.53E-02
1.86E+00	1.09E-02	3.53E-02	2.11E-02	1.78E-02	3.52E-02	3.53E-02	3.53E-02	3.53E-02
1.97E+00	1.08E-02	3.53E-02	2.11E-02	1.78E-02	3.52E-02	3.52E-02	3.53E-02	3.53E-02
2.09E+00	1.07E-02	3.52E-02	2.10E-02	1.77E-02	3.52E-02	3.52E-02	3.52E-02	3.52E-02
2.21E+00	1.05E-02	3.52E-02	2.10E-02	1.77E-02	3.51E-02	3.52E-02	3.52E-02	3.52E-02
2.34E+00	1.04E-02	3.52E-02	2.10E-02	1.77E-02	3.51E-02	3.52E-02	3.52E-02	3.52E-02
2.47E+00	1.02E-02	3.51E-02	2.09E-02	1.77E-02	3.51E-02	3.51E-02	3.51E-02	3.51E-02
2.62E+00	1.00E-02	3.51E-02	2.09E-02	1.77E-02	3.50E-02	3.51E-02	3.51E-02	3.51E-02
2.77E+00	9.84E-03	3.51E-02	2.09E-02	1.76E-02	3.50E-02	3.50E-02	3.51E-02	3.51E-02
2.93E+00	9.64E-03	3.50E-02	2.08E-02	1.76E-02	3.50E-02	3.50E-02	3.50E-02	3.50E-02
3.00E+00	9.55E-03	3.50E-02	2.08E-02	1.76E-02	3.49E-02	3.50E-02	3.50E-02	3.50E-02
3.10E+00	9.25E-03	3.50E-02	2.08E-02	1.76E-02	3.49E-02	3.50E-02	3.50E-02	3.50E-02
3.28E+00	8.73E-03	3.49E-02	2.07E-02	1.75E-02	3.49E-02	3.49E-02	3.49E-02	3.49E-02
3.48E+00	8.17E-03	3.49E-02	2.07E-02	1.75E-02	3.48E-02	3.49E-02	3.49E-02	3.49E-02
3.68E+00	7.50E-03	3.48E-02	2.06E-02	1.75E-02	3.48E-02	3.48E-02	3.48E-02	3.48E-02
3.89E+00	6.69E-03	3.48E-02	2.06E-02	1.74E-02	3.47E-02	3.48E-02	3.48E-02	3.48E-02
4.12E+00	5.71E-03	3.47E-02	2.05E-02	1.74E-02	3.46E-02	3.47E-02	3.47E-02	3.47E-02
4.36E+00	4.55E-03	3.47E-02	2.05E-02	1.73E-02	3.46E-02	3.46E-02	3.46E-02	3.47E-02
4.61E+00	3.24E-03	3.46E-02	2.04E-02	1.73E-02	3.45E-02	3.46E-02	3.46E-02	3.46E-02
4.88E+00	1.92E-03	3.45E-02	2.04E-02	1.72E-02	3.44E-02	3.45E-02	3.45E-02	3.45E-02
5.17E+00	8.77E-04	3.45E-02	2.03E-02	1.72E-02	3.44E-02	3.44E-02	3.44E-02	3.45E-02
5.47E+00	2.26E-04	3.44E-02	2.02E-02	1.71E-02	3.43E-02	3.44E-02	3.44E-02	3.44E-02
5.78E+00	2.86E-05	3.43E-02	2.01E-02	1.71E-02	3.42E-02	3.43E-02	3.43E-02	3.43E-02
6.12E+00	2.83E-05	3.42E-02	2.01E-02	1.70E-02	3.41E-02	3.42E-02	3.42E-02	3.42E-02
6.48E+00	0.00E+00	3.41E-02	2.00E-02	1.70E-02	3.40E-02	3.41E-02	3.41E-02	3.41E-02
6.86E+00	0.00E+00	3.40E-02	1.99E-02	1.69E-02	3.39E-02	3.40E-02	3.40E-02	3.40E-02
7.26E+00	0.00E+00	3.39E-02	1.98E-02	1.68E-02	3.38E-02	3.39E-02	3.39E-02	3.39E-02
7.68E+00	0.00E+00	3.38E-02	1.97E-02	1.68E-02	3.37E-02	3.38E-02	3.38E-02	3.38E-02
8.13E+00	0.00E+00	3.37E-02	1.96E-02	1.67E-02	3.36E-02	3.37E-02	3.37E-02	3.37E-02
8.60E+00	0.00E+00	3.36E-02	1.95E-02	1.66E-02	3.34E-02	3.36E-02	3.36E-02	3.36E-02
9.10E+00	0.00E+00	3.35E-02	1.94E-02	1.65E-02	3.33E-02	3.35E-02	3.35E-02	3.35E-02
9.63E+00	0.00E+00	3.34E-02	1.93E-02	1.65E-02	3.32E-02	3.33E-02	3.33E-02	3.34E-02
1.00E+01	0.00E+00	3.33E-02	1.92E-02	1.64E-02	3.31E-02	3.32E-02	3.33E-02	3.33E-02
1.02E+01	0.00E+00	3.32E-02	1.92E-02	1.64E-02	3.30E-02	3.32E-02	3.32E-02	3.32E-02
1.08E+01	0.00E+00	3.31E-02	1.90E-02	1.63E-02	3.29E-02	3.30E-02	3.31E-02	3.31E-02
1.14E+01	0.00E+00	3.29E-02	1.89E-02	1.62E-02	3.27E-02	3.29E-02	3.29E-02	3.29E-02
1.21E+01	0.00E+00	3.28E-02	1.88E-02	1.61E-02	3.25E-02	3.27E-02	3.28E-02	3.28E-02
1.28E+01	0.00E+00	3.26E-02	1.86E-02	1.59E-02	3.24E-02	3.26E-02	3.26E-02	3.26E-02
1.35E+01	0.00E+00	3.24E-02	1.85E-02	1.58E-02	3.22E-02	3.24E-02	3.24E-02	3.24E-02
1.43E+01	0.00E+00	3.22E-02	1.83E-02	1.57E-02	3.20E-02	3.22E-02	3.22E-02	3.22E-02
1.51E+01	0.00E+00	3.21E-02	1.82E-02	1.56E-02	3.18E-02	3.20E-02	3.20E-02	3.20E-02
1.60E+01	0.00E+00	3.18E-02	1.80E-02	1.54E-02	3.15E-02	3.18E-02	3.18E-02	3.18E-02
1.70E+01	0.00E+00	3.16E-02	1.78E-02	1.52E-02	3.13E-02	3.16E-02	3.16E-02	3.16E-02
1.80E+01	0.00E+00	3.14E-02	1.77E-02	1.51E-02	3.11E-02	3.13E-02	3.14E-02	3.14E-02
1.90E+01	0.00E+00	3.12E-02	1.75E-02	1.49E-02	3.08E-02	3.11E-02	3.12E-02	3.12E-02

2.01E+01 0.00E+00 3.09E-02 1.73E-02 1.48E-02 3.06E-02 3.09E-02 3.09E-02 3.09E-02

2.13E+01 0.00E+00 3.07E-02 1.71E-02 1.46E-02 3.03E-02 3.06E-02 3.06E-02 3.07E-02

2.25E+01 0.00E+00 3.04E-02 1.69E-02 1.44E-02 3.00E-02 3.03E-02 3.04E-02 3.04E-02

2.38E+01 0.00E+00 3.01E-02 1.66E-02 1.42E-02 2.97E-02 3.00E-02 3.01E-02 3.01E-02

2.52E+01	0.00E+00	2.98E-02	1.64E-02	1.40E-02	2.94E-02	2.97E-02	2.98E-02	2.98E-02
----------	----------	----------	----------	----------	----------	----------	----------	----------

2.67E+01 0.00E+00 2.95E-02 1.62E-02 1.38E-02 2.90E-02 2.94E-02 2.95E-02 2.95E-02

2.82E+01 0.00E+00 2.92E-02 1.59E-02 1.36E-02 2.86E-02 2.91E-02 2.91E-02 2.91E-02

2.99E+01	0.00E+00	2.88E-02	1.57E-02	1.34E-02	2.82E-02	2.87E-02	2.88E-02	2.88E-02
----------	----------	----------	----------	----------	----------	----------	----------	----------

3.00E+01	0.00E+00	2.88E-02	1.56E-02	1.33E-02	2.82E-02	2.87E-02	2.88E-02	2.88E-02
----------	----------	----------	----------	----------	----------	----------	----------	----------

3.16E+01 0.00E+00 2.84E-02 1.54E-02 1.32E-02 2.78E-02 2.84E-02 2.84E-02 2.84E-02

3.35E+01	0.00E+00	2.81E-02	1.51E-02	1.29E-02	2.75E-02	2.80E-02	2.80E-02	2.81E-02
----------	----------	----------	----------	----------	----------	----------	----------	----------

3.54E+01	0.00E+00	2.79E-02	1.48E-02	1.27E-02	2.71E-02	2.76E-02	2.76E-02	2.77E-02
----------	----------	----------	----------	----------	----------	----------	----------	----------

3.75E+01	0.00E+00	2.80E-02	1.45E-02	1.25E-02	2.66E-02	2.72E-02	2.72E-02	2.73E-02
----------	----------	----------	----------	----------	----------	----------	----------	----------

3.97E+01 0.00E+00 2.80E-02 1.42E-02 1.22E-02 2.62E-02 2.67E-02 2.68E-02 2.68E-02

4.20E+01 0.00E+00 2.81E-02 1.39E-02 1.18E-02 2.57E-02 2.63E-02 2.64E-02 2.64E-02

4.44E+01	0.00E+00	2.82E-02	1.36E-02	1.16E-02	2.52E-02	2.58E-02	2.59E-02	2.59E-02
----------	----------	----------	----------	----------	----------	----------	----------	----------

4.70E+01 0.00E+00 2.82E-02 1.32E-02 1.13E-02 2.47E-02 2.53E-02 2.54E-02 2.54E-02

4.97E+01 0.00E+00 2.83E-02 1.29E-02 1.09E-02 2.41E-02 2.48E-02 2.49E-02 2.49E-02

5.26E+01	0.00E+00	2.83E-02	1.25E-02	1.06E-02	2.33E-02	2.43E-02	2.44E-02	2.44E-02
----------	----------	----------	----------	----------	----------	----------	----------	----------

5.57E+01	0.00E+00	2.83E-02	1.21E-02	1.04E-02	2.28E-02	2.37E-02	2.39E-02	2.39E-02
----------	----------	----------	----------	----------	----------	----------	----------	----------

5.90E+01	0.00E+00	2.75E-02	1.17E-02	1.00E-02	2.22E-02	2.32E-02	2.33E-02	2.33E-02
----------	----------	----------	----------	----------	----------	----------	----------	----------

6.24E+01	0.00E+00	2.67E-02	1.14E-02	9.69E-03	2.15E-02	2.26E-02	2.27E-02	2.28E-02
----------	----------	----------	----------	----------	----------	----------	----------	----------

6.60E+01	0.00E+00	2.58E-02	1.10E-02	9.36E-03	2.09E-02	2.19E-02	2.21E-02	2.22E-02
----------	----------	----------	----------	----------	----------	----------	----------	----------

6.99E+01	0.00E+00	2.48E-02	1.06E-02	9.03E-03	2.03E-02	2.13E-02	2.15E-02	2.16E-02
----------	----------	----------	----------	----------	----------	----------	----------	----------

7.39E+01 0.00E+00 2.39E-02 1.02E-02 8.67E-03 1.96E-02 2.07E-02 2.09E-02 2.09E-02

7.82E+01	0.00E+00	2.30E-02	9.74E-03	8.33E-03	1.88E-02	2.01E-02	2.03E-02	2.03E-02
----------	----------	----------	----------	----------	----------	----------	----------	----------

8.28E+01	0.00E+00	2.20E-02	9.32E-03	7.95E-03	1.82E-02	1.94E-02	1.96E-02	1.96E-02
----------	----------	----------	----------	----------	----------	----------	----------	----------

8.76E+01 0.00E+00 2.10E-02 8.90E-03 7.57E-03 1.75E-02 1.87E-02 1.89E-02 1.90E-02

9.27E+01 0.00E+00 2.00E-02 8.47E-03 7.19E-03 1.68E-02 1.80E-02 1.82E-02 1.83E-02

9.81E+01 0.00E+00 1.91E-02 8.04E-03 6.81E-03 1.61E-02 1.73E-02 1.75E-02 1.76E-02

1.00E+02 0.00E+00 1.87E-02 7.90E-03 6.65E-03 1.59E-02 1.70E-02 1.73E-02 1.73E-02

1.04E+02 0.00E+00 1.81E-02 7.62E-03 6.41E-03 1.54E-02 1.65E-02 1.68E-02 1.69E-02

1.10E+02 0.00E+00 1.71E-02 7.19E-03 5.98E-03 1.45E-02 1.57E-02 1.61E-02 1.61E-02

1.16E+02 0.00E+00 1.61E-02 6.76E-03 5.63E-03 1.38E-02 1.50E-02 1.53E-02 1.54E-02

1.23E+02 0.00E+00 1.51E-02 6.33E-03 5.29E-03 1.31E-02 1.43E-02 1.46E-02 1.47E-02

1.30E+02 0.00E+00 1.48E-02 5.91E-03 4.92E-03 1.23E-02 1.35E-02 1.38E-02 1.39E-02

1.38E+02 0.00E+00 1.48E-02 5.49E-03 4.60E-03 1.15E-02 1.26E-02 1.31E-02 1.32E-02

1.46E+02 0.00E+00 1.47E-02 5.08E-03 4.23E-03 1.06E-02 1.18E-02 1.23E-02 1.24E-02

1.54E+02 0.00E+00 1.44E-02 4.67E-03 3.92E-03 9.74E-03 1.11E-02 1.16E-02 1.17E-02

1.63E+02 0.00E+00 1.41E-02 4.27E-03 3.59E-03 8.97E-03 1.03E-02 1.09E-02 1.10E-02

1.73E+02 0.00E+00 1.36E-02 3.89E-03 3.32E-03 8.21E-03 9.56E-03 1.01E-02 1.02E-02

1.83E+02 0.00E+00 1.24E-02 3.51E-03 3.03E-03 7.54E-03 8.75E-03 9.42E-03 9.51E-03

1.94E+02 0.00E+00 9.82E-03 3.15E-03 2.70E-03 6.89E-03 8.08E-03 8.71E-03 8.80E-03

2.05E+02 0.00E+00 8.12E-03 2.80E-03 2.38E-03 6.30E-03 7.43E-03 7.98E-03 8.10E-03

2.17E+02 0.00E+00 7.45E-03 2.47E-03 2.16E-03 5.71E-03 6.64E-03 7.28E-03 7.43E-03

2.29E+02 0.00E+00 6.80E-03 2.18E-03 1.88E-03 5.04E-03 6.01E-03 6.64E-03 6.78E-03

2.43E+02 0.00E+00 6.17E-03 1.90E-03 1.63E-03 4.44E-03 5.37E-03 6.02E-03 6.15E-03

2.57E+02 0.00E+00 5.57E-03 1.65E-03 1.40E-03 3.97E-03 4.81E-03 5.42E-03 5.55E-03

2.72E+02 0.00E+00 5.00E-03 1.43E-03 1.19E-03 3.43E-03 4.30E-03 4.86E-03 4.98E-03

2.88E+02	0.00E+00	4.45E-03	1.22E-03	9.96E-04	3.01E-03	3.75E-03	4.33E-03	4.44E-03
----------	----------	----------	----------	----------	----------	----------	----------	----------

3.00E+02 0.00E+00 4.07E-03 1.09E-03 8.87E-04 2.70E-03 3.35E-03 3.92E-03 4.06E-03

3.05E+02	0.00E+00	3.94E-03	1.04E-03	8.34E-04	2.60E-03	3.21E-03	3.77E-03	3.92E-03
----------	----------	----------	----------	----------	----------	----------	----------	----------

3.22E+02 0.00E+00 3.47E-03 8.76E-04 6.63E-04 2.23E-03 2.77E-03 3.23E-03 3.44E-03

3.41E+02 0.00E+00 3.03E-03 7.32E-04 5.37E-04 1.88E-03 2.39E-03 2.73E-03 2.99E-03

3.61E+02 0.00E+00 2.62E-03 6.06E-04 4.30E-04 1.61E-03 2.07E-03 2.34E-03 2.59E-03

3.82E+02 0.00E+00 2.25E-03 4.98E-04 3.41E-04 1.35E-03 1.71E-03 1.98E-03 2.22E-03

4.04E+02 0.00E+00 1.92E-03 4.06E-04 2.57E-04 1.15E-03 1.45E-03 1.68E-03 1.89E-03

4.28E+02 0.00E+00 1.62E-03 3.27E-04 1.95E-04 9.61E-04 1.20E-03 1.40E-03 1.59E-03

4.53E+02 0.00E+00 1.35E-03 2.61E-04 1.38E-04 7.66E-04 9.70E-04 1.15E-03 1.33E-03

4.79E+02 0.00E+00 1.11E-03 2.06E-04 9.15E-05 5.88E-04 7.96E-04 9.47E-04 1.09E-03

5.07E+02 0.00E+00 9.10E-04 1.60E-04 5.89E-05 4.77E-04 6.40E-04 7.69E-04 8.93E-04

5.36E+02 0.00E+00 7.35E-04 1.23E-04 3.69E-05 3.73E-04 5.06E-04 6.07E-04 7.20E-04

5.68E+02 0.00E+00 5.86E-04 9.38E-05 2.28E-05 2.78E-04 3.96E-04 4.78E-04 5.74E-04

6.01E+02 0.00E+00 4.62E-04 7.04E-05 1.21E-05 2.01E-04 3.08E-04 3.72E-04 4.51E-04

6.36E+02 0.00E+00 3.58E-04 5.21E-05 6.12E-06 1.52E-04 2.37E-04 2.85E-04 3.50E-04

6.73E+02 0.00E+00 2.74E-04 3.80E-05 3.74E-06 1.10E-04 1.81E-04 2.16E-04 2.67E-04

7.12E+02 0.00E+00 2.06E-04 2.72E-05 1.83E-06 8.26E-05 1.34E-04 1.62E-04 2.01E-04

7.53E+02	0.00E+00	1.53E-04	1.92E-05	9.58E-07	5.87E-05	9.89E-05	1.19E-04	1.48E-04
----------	----------	----------	----------	----------	----------	----------	----------	----------

7.97E+02 0.00E+00 1.11E-04 1.33E-05 6.03E-07 4.19E-05 7.11E-05 8.57E-05 1.07E-04

8.44E+02 0.00E+00 7.95E-05 8.98E-06 2.27E-07 2.94E-05 5.01E-05 6.11E-05 7.60E-05

8.93E+02 0.00E+00 5.57E-05 5.95E-06 1.39E-07 2.04E-05 3.42E-05 4.17E-05 5.31E-05

9.45E+02 0.00E+00 3.82E-05 3.87E-06 8.23E-08 1.36E-05 2.26E-05 2.86E-05 3.63E-05

1.00E+03 0.00E+00 2.57E-05 2.47E-06 4.77E-08 9.09E-06 1.50E-05 1.92E-05 2.43E-05

Probabilistic results summary : RESRAD Default Parameters

File : C:\USERS\DNF\DOCUMENTS\FT CALHOUN\RESRAD INPUT FILES\SOIL UNCERTAINTY ANALYSIS\FCS SOIL UNCERTAINTY ANALYSIS NI-63.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	1.13E-02	3.58E-02	2.15E-02	1.84E-02	3.58E-02	3.58E-02	3.58E-02	3.58E-02
1.00E+00	1.09E-02	3.55E-02	2.13E-02	1.80E-02	3.55E-02	3.55E-02	3.55E-02	3.55E-02
1.06E+00	1.08E-02	3.55E-02	2.12E-02	1.80E-02	3.55E-02	3.55E-02	3.55E-02	3.55E-02
1.12E+00	1.08E-02	3.55E-02	2.12E-02	1.80E-02	3.54E-02	3.55E-02	3.55E-02	3.55E-02
1.19E+00	1.08E-02	3.55E-02	2.12E-02	1.80E-02	3.54E-02	3.54E-02	3.55E-02	3.55E-02
1.25E+00	1.07E-02	3.54E-02	2.12E-02	1.80E-02	3.54E-02	3.54E-02	3.54E-02	3.54E-02
1.33E+00	1.07E-02	3.54E-02	2.12E-02	1.79E-02	3.54E-02	3.54E-02	3.54E-02	3.54E-02
1.40E+00	1.07E-02	3.54E-02	2.12E-02	1.79E-02	3.54E-02	3.54E-02	3.54E-02	3.54E-02
1.49E+00	1.06E-02	3.54E-02	2.11E-02	1.78E-02	3.53E-02	3.54E-02	3.54E-02	3.54E-02
1.57E+00	1.06E-02	3.54E-02	2.11E-02	1.78E-02	3.53E-02	3.53E-02	3.54E-02	3.54E-02
1.66E+00	1.06E-02	3.53E-02	2.11E-02	1.78E-02	3.53E-02	3.53E-02	3.53E-02	3.53E-02
1.76E+00	1.05E-02	3.53E-02	2.11E-02	1.78E-02	3.53E-02	3.53E-02	3.53E-02	3.53E-02
1.86E+00	1.05E-02	3.53E-02	2.10E-02	1.78E-02	3.52E-02	3.53E-02	3.53E-02	3.53E-02
1.97E+00	1.04E-02	3.53E-02	2.10E-02	1.78E-02	3.52E-02	3.52E-02	3.53E-02	3.53E-02
2.09E+00	1.02E-02	3.52E-02	2.10E-02	1.77E-02	3.52E-02	3.52E-02	3.52E-02	3.52E-02
2.21E+00	9.86E-03	3.52E-02	2.09E-02	1.77E-02	3.51E-02	3.52E-02	3.52E-02	3.52E-02
2.34E+00	9.53E-03	3.52E-02	2.09E-02	1.77E-02	3.51E-02	3.51E-02	3.52E-02	3.52E-02
2.47E+00	9.18E-03	3.51E-02	2.09E-02	1.76E-02	3.51E-02	3.51E-02	3.51E-02	3.51E-02
2.62E+00	8.79E-03	3.51E-02	2.08E-02	1.76E-02	3.50E-02	3.51E-02	3.51E-02	3.51E-02
2.77E+00	8.36E-03	3.51E-02	2.08E-02	1.76E-02	3.50E-02	3.50E-02	3.50E-02	3.51E-02
2.93E+00	7.84E-03	3.50E-02	2.07E-02	1.75E-02	3.49E-02	3.50E-02	3.50E-02	3.50E-02
3.00E+00	7.61E-03	3.50E-02	2.07E-02	1.75E-02	3.49E-02	3.50E-02	3.50E-02	3.50E-02
3.10E+00	7.25E-03	3.50E-02	2.07E-02	1.75E-02	3.49E-02	3.49E-02	3.50E-02	3.50E-02
3.28E+00	6.57E-03	3.49E-02	2.07E-02	1.75E-02	3.48E-02	3.49E-02	3.49E-02	3.49E-02
3.48E+00	5.80E-03	3.49E-02	2.06E-02	1.74E-02	3.48E-02	3.48E-02	3.49E-02	3.49E-02
3.68E+00	4.95E-03	3.48E-02	2.06E-02	1.74E-02	3.47E-02	3.48E-02	3.48E-02	3.48E-02
3.89E+00	4.05E-03	3.48E-02	2.05E-02	1.73E-02	3.47E-02	3.47E-02	3.48E-02	3.48E-02
4.12E+00	3.10E-03	3.47E-02	2.04E-02	1.72E-02	3.46E-02	3.47E-02	3.47E-02	3.47E-02
4.36E+00	2.10E-03	3.47E-02	2.04E-02	1.72E-02	3.45E-02	3.46E-02	3.46E-02	3.47E-02
4.61E+00	1.18E-03	3.46E-02	2.03E-02	1.71E-02	3.45E-02	3.46E-02	3.46E-02	3.46E-02
4.88E+00	4.91E-04	3.45E-02	2.02E-02	1.71E-02	3.44E-02	3.45E-02	3.45E-02	3.45E-02
5.17E+00	9.01E-05	3.45E-02	2.02E-02	1.70E-02	3.43E-02	3.44E-02	3.44E-02	3.45E-02
5.47E+00	2.35E-08	3.44E-02	2.01E-02	1.69E-02	3.42E-02	3.43E-02	3.44E-02	3.44E-02
5.78E+00	0.00E+00	3.43E-02	2.00E-02	1.69E-02	3.41E-02	3.43E-02	3.43E-02	3.43E-02
6.12E+00	0.00E+00	3.42E-02	1.99E-02	1.68E-02	3.41E-02	3.42E-02	3.42E-02	3.42E-02
6.48E+00	0.00E+00	3.41E-02	1.99E-02	1.68E-02	3.40E-02	3.41E-02	3.41E-02	3.41E-02
6.86E+00	0.00E+00	3.40E-02	1.98E-02	1.67E-02	3.39E-02	3.40E-02	3.40E-02	3.40E-02
7.26E+00	0.00E+00	3.39E-02	1.97E-02	1.66E-02	3.37E-02	3.39E-02	3.39E-02	3.39E-02
7.68E+00	0.00E+00	3.38E-02	1.96E-02	1.66E-02	3.36E-02	3.38E-02	3.38E-02	3.38E-02
8.13E+00	0.00E+00	3.37E-02	1.95E-02	1.65E-02	3.35E-02	3.37E-02	3.37E-02	3.37E-02
8.60E+00	0.00E+00	3.36E-02	1.94E-02	1.64E-02	3.34E-02	3.35E-02	3.36E-02	3.36E-02
9.10E+00	0.00E+00	3.35E-02	1.93E-02	1.63E-02	3.32E-02	3.34E-02	3.35E-02	3.35E-02
9.63E+00	0.00E+00	3.34E-02	1.92E-02	1.62E-02	3.31E-02	3.33E-02	3.33E-02	3.34E-02
1.00E+01	0.00E+00	3.33E-02	1.91E-02	1.62E-02	3.30E-02	3.32E-02	3.32E-02	3.33E-02
1.02E+01	0.00E+00	3.32E-02	1.90E-02	1.62E-02	3.30E-02	3.31E-02	3.32E-02	3.32E-02
1.08E+01	0.00E+00	3.31E-02	1.89E-02	1.61E-02	3.28E-02	3.30E-02	3.31E-02	3.31E-02
1.14E+01	0.00E+00	3.29E-02	1.88E-02	1.59E-02	3.26E-02	3.28E-02	3.29E-02	3.29E-02
1.21E+01	0.00E+00	3.28E-02	1.87E-02	1.58E-02	3.25E-02	3.27E-02	3.27E-02	3.28E-02
1.28E+01	0.00E+00	3.26E-02	1.85E-02	1.57E-02	3.23E-02	3.25E-02	3.26E-02	3.26E-02
1.35E+01	0.00E+00	3.24E-02	1.84E-02	1.56E-02	3.21E-02	3.23E-02	3.24E-02	3.24E-02
1.43E+01	0.00E+00	3.23E-02	1.82E-02	1.54E-02	3.19E-02	3.21E-02	3.22E-02	3.22E-02
1.51E+01	0.00E+00	3.21E-02	1.81E-02	1.53E-02	3.17E-02	3.19E-02	3.20E-02	3.20E-02
1.60E+01	0.00E+00	3.19E-02	1.79E-02	1.51E-02	3.14E-02	3.17E-02	3.18E-02	3.18E-02
1.70E+01	0.00E+00	3.16E-02	1.77E-02	1.50E-02	3.12E-02	3.15E-02	3.16E-02	3.16E-02
1.80E+01	0.00E+00	3.14E-02	1.75E-02	1.48E-02	3.10E-02	3.13E-02	3.14E-02	3.14E-02
1.90E+01	0.00E+00	3.12E-02	1.74E-02	1.47E-02	3.07E-02	3.10E-02	3.11E-02	3.12E-02

2.01E+01 0.00E+00 3.09E-02 1.72E-02 1.45E-02 3.04E-02 3.08E-02 3.09E-02 3.09E-02

2.13E+01 0.00E+00 3.07E-02 1.70E-02 1.44E-02 3.02E-02 3.05E-02 3.06E-02 3.07E-02

2.25E+01 0.00E+00 3.04E-02 1.67E-02 1.42E-02 2.98E-02 3.02E-02 3.03E-02 3.04E-02

2.38E+01 0.00E+00 3.01E-02 1.65E-02 1.40E-02 2.95E-02 2.99E-02 3.01E-02 3.01E-02

2.52E+01	0.00E+00	2.98E-02	1.63E-02	1.38E-02	2.92E-02	2.96E-02	2.97E-02	2.98E-02
----------	----------	----------	----------	----------	----------	----------	----------	----------

2.67E+01 0.00E+00 2.95E-02 1.61E-02 1.37E-02 2.88E-02 2.93E-02 2.94E-02 2.95E-02

2.82E+01	0.00E+00	2.92E-02	1.58E-02	1.34E-02	2.85E-02	2.89E-02	2.91E-02	2.91E-02
----------	----------	----------	----------	----------	----------	----------	----------	----------

2.99E+01 0.00E+00 2.88E-02 1.56E-02 1.32E-02 2.81E-02 2.86E-02 2.88E-02 2.88E-02

3.00E+01	0.00E+00	2.88E-02	1.55E-02	1.32E-02	2.81E-02	2.86E-02	2.87E-02	2.88E-02
----------	----------	----------	----------	----------	----------	----------	----------	----------

3.16E+01 0.00E+00 2.85E-02 1.53E-02 1.30E-02 2.77E-02 2.82E-02 2.84E-02 2.84E-02

3.35E+01	0.00E+00	2.81E-02	1.50E-02	1.27E-02	2.73E-02	2.78E-02	2.80E-02	2.81E-02
----------	----------	----------	----------	----------	----------	----------	----------	----------

3.54E+01	0.00E+00	2.77E-02	1.47E-02	1.25E-02	2.69E-02	2.74E-02	2.76E-02	2.77E-02
----------	----------	----------	----------	----------	----------	----------	----------	----------

3.75E+01 0.00E+00 2.73E-02 1.44E-02 1.22E-02 2.64E-02 2.70E-02 2.72E-02 2.73E-02

3.97E+01	0.00E+00	2.69E-02	1.41E-02	1.20E-02	2.60E-02	2.65E-02	2.68E-02	2.68E-02
----------	----------	----------	----------	----------	----------	----------	----------	----------

4.20E+01 0.00E+00 2.64E-02 1.38E-02 1.17E-02 2.55E-02 2.61E-02 2.63E-02 2.64E-02

4.44E+01	0.00E+00	2.60E-02	1.35E-02	1.14E-02	2.49E-02	2.56E-02	2.58E-02	2.59E-02
----------	----------	----------	----------	----------	----------	----------	----------	----------

4.70E+01 0.00E+00 2.55E-02 1.32E-02 1.11E-02 2.45E-02 2.51E-02 2.54E-02 2.54E-02

4.97E+01 0.00E+00 2.50E-02 1.28E-02 1.08E-02 2.39E-02 2.46E-02 2.49E-02 2.49E-02

5.26E+01	0.00E+00	2.47E-02	1.25E-02	1.05E-02	2.33E-02	2.41E-02	2.44E-02	2.44E-02
----------	----------	----------	----------	----------	----------	----------	----------	----------

5.57E+01	0.00E+00	2.46E-02	1.21E-02	1.02E-02	2.27E-02	2.35E-02	2.38E-02	2.39E-02
----------	----------	----------	----------	----------	----------	----------	----------	----------

5.90E+01	0.00E+00	2.45E-02	1.17E-02	9.93E-03	2.21E-02	2.30E-02	2.33E-02	2.33E-02
----------	----------	----------	----------	----------	----------	----------	----------	----------

6.24E+01	0.00E+00	2.43E-02	1.13E-02	9.58E-03	2.15E-02	2.24E-02	2.27E-02	2.28E-02
----------	----------	----------	----------	----------	----------	----------	----------	----------

6.60E+01	0.00E+00	2.41E-02	1.09E-02	9.30E-03	2.09E-02	2.18E-02	2.21E-02	2.22E-02
----------	----------	----------	----------	----------	----------	----------	----------	----------

6.99E+01	0.00E+00	2.39E-02	1.06E-02	9.00E-03	2.03E-02	2.11E-02	2.15E-02	2.16E-02
----------	----------	----------	----------	----------	----------	----------	----------	----------

7.39E+01 0.00E+00 2.36E-02 1.02E-02 8.60E-03 1.96E-02 2.05E-02 2.09E-02 2.09E-02

7.82E+01 0.00E+00 2.31E-02 9.75E-03 8.19E-03 1.89E-02 1.99E-02 2.02E-02 2.03E-02

8.28E+01	0.00E+00	2.10E-02	9.33E-03	7.80E-03	1.82E-02	1.92E-02	1.96E-02	1.96E-02
----------	----------	----------	----------	----------	----------	----------	----------	----------

8.76E+01 0.00E+00 1.90E-02 8.91E-03 7.51E-03 1.75E-02 1.85E-02 1.89E-02 1.90E-02

9.27E+01 0.00E+00 1.83E-02 8.49E-03 7.13E-03 1.67E-02 1.78E-02 1.82E-02 1.83E-02

9.81E+01 0.00E+00 1.76E-02 8.06E-03 6.80E-03 1.58E-02 1.71E-02 1.75E-02 1.76E-02

1.00E+02 0.00E+00 1.74E-02 7.92E-03 6.66E-03 1.56E-02 1.69E-02 1.72E-02 1.73E-02

1.04E+02 0.00E+00 1.69E-02 7.64E-03 6.43E-03 1.52E-02 1.64E-02 1.67E-02 1.69E-02

1.10E+02 0.00E+00 1.62E-02 7.21E-03 6.06E-03 1.45E-02 1.56E-02 1.60E-02 1.61E-02

1.16E+02 0.00E+00 1.54E-02 6.79E-03 5.68E-03 1.37E-02 1.49E-02 1.53E-02 1.54E-02

1.23E+02 0.00E+00 1.47E-02 6.36E-03 5.34E-03 1.27E-02 1.42E-02 1.45E-02 1.47E-02

1.30E+02 0.00E+00 1.40E-02 5.94E-03 5.01E-03 1.20E-02 1.34E-02 1.38E-02 1.39E-02

1.38E+02 0.00E+00 1.32E-02 5.53E-03 4.70E-03 1.13E-02 1.27E-02 1.30E-02 1.32E-02

1.46E+02 0.00E+00 1.25E-02 5.11E-03 4.36E-03 1.05E-02 1.19E-02 1.23E-02 1.24E-02

1.54E+02 0.00E+00 1.17E-02 4.71E-03 4.03E-03 9.74E-03 1.11E-02 1.15E-02 1.17E-02

1.63E+02 0.00E+00 1.10E-02 4.32E-03 3.69E-03 8.91E-03 1.03E-02 1.08E-02 1.09E-02

1.73E+02 0.00E+00 1.03E-02 3.93E-03 3.38E-03 8.09E-03 9.60E-03 1.01E-02 1.02E-02

1.83E+02 0.00E+00 9.54E-03 3.56E-03 3.07E-03 7.41E-03 8.85E-03 9.34E-03 9.49E-03

1.94E+02 0.00E+00 8.84E-03 3.20E-03 2.79E-03 6.69E-03 8.16E-03 8.63E-03 8.79E-03

2.05E+02 0.00E+00 8.13E-03 2.86E-03 2.49E-03 6.07E-03 7.49E-03 7.95E-03 8.09E-03

2.17E+02 0.00E+00 7.46E-03 2.53E-03 2.18E-03 5.43E-03 6.83E-03 7.23E-03 7.42E-03

2.29E+02 0.00E+00 6.81E-03 2.23E-03 1.92E-03 4.82E-03 6.20E-03 6.56E-03 6.77E-03

2.43E+02 0.00E+00 6.18E-03 1.95E-03 1.69E-03 4.31E-03 5.59E-03 5.95E-03 6.14E-03

2.57E+02 0.00E+00 5.58E-03 1.69E-03 1.46E-03 3.79E-03 4.99E-03 5.37E-03 5.54E-03

2.72E+02 0.00E+00 5.01E-03 1.45E-03 1.27E-03 3.32E-03 4.44E-03 4.81E-03 4.97E-03

2.88E+02 0.00E+00 4.46E-03 1.24E-03 1.07E-03 2.83E-03 3.76E-03 4.24E-03 4.43E-03

3.00E+02 0.00E+00 4.09E-03 1.11E-03 9.42E-04 2.57E-03 3.38E-03 3.88E-03 4.05E-03

3.05E+02	0.00E+00	3.95E-03	1.06E-03	8.99E-04	2.49E-03	3.26E-03	3.75E-03	3.92E-03
----------	----------	----------	----------	----------	----------	----------	----------	----------

3.22E+02 0.00E+00 3.47E-03 8.94E-04 7.37E-04 2.16E-03 2.85E-03 3.28E-03 3.43E-03

3.41E+02 0.00E+00 3.03E-03 7.48E-04 6.08E-04 1.82E-03 2.47E-03 2.86E-03 2.99E-03

3.61E+02	0.00E+00	2.63E-03	6.19E-04	4.99E-04	1.56E-03	2.07E-03	2.44E-03	2.59E-03
----------	----------	----------	----------	----------	----------	----------	----------	----------

3.82E+02 0.00E+00 2.26E-03 5.08E-04 4.00E-04 1.30E-03 1.71E-03 2.07E-03 2.23E-03

4.04E+02	0.00E+00	1.92E-03	4.13E-04	3.01E-04	1.08E-03	1.38E-03	1.75E-03	1.89E-03
----------	----------	----------	----------	----------	----------	----------	----------	----------

4.28E+02 0.00E+00 1.62E-03 3.32E-04 2.35E-04 8.87E-04 1.14E-03 1.47E-03 1.60E-03

4.53E+02	0.00E+00	1.35E-03	2.64E-04	1.82E-04	7.15E-04	9.31E-04	1.22E-03	1.33E-03
----------	----------	----------	----------	----------	----------	----------	----------	----------

4.79E+02	0.00E+00	1.12E-03	2.08E-04	1.24E-04	5.68E-04	7.60E-04	1.00E-03	1.10E-03
----------	----------	----------	----------	----------	----------	----------	----------	----------

5.07E+02 0.00E+00 9.13E-04 1.61E-04 8.51E-05 4.36E-04 6.20E-04 8.13E-04 8.98E-04

5.36E+02 0.00E+00 7.37E-04 1.23E-04 4.93E-05 3.43E-04 4.99E-04 6.52E-04 7.25E-04

5.68E+02 0.00E+00 5.88E-04 9.33E-05 2.46E-05 2.66E-04 3.80E-04 5.16E-04 5.70E-04

6.01E+02 0.00E+00 4.63E-04 6.97E-05 1.52E-05 2.00E-04 2.98E-04 4.03E-04 4.41E-04

6.36E+02	0.00E+00	3.59E-04	5.12E-05	7.21E-06	1.52E-04	2.25E-04	3.03E-04	3.42E-04
----------	----------	----------	----------	----------	----------	----------	----------	----------

6.73E+02 0.00E+00 2.75E-04 3.70E-05 3.94E-06 1.10E-04 1.69E-04 2.28E-04 2.61E-04

7.12E+02 0.00E+00 2.07E-04 2.64E-05 2.18E-06 8.10E-05 1.23E-04 1.69E-04 1.96E-04

7.53E+02 0.00E+00 1.53E-04 1.84E-05 1.44E-06 5.88E-05 8.90E-05 1.23E-04 1.44E-04

7.97E+02 0.00E+00 1.12E-04 1.26E-05 7.47E-07 4.11E-05 6.28E-05 8.70E-05 1.05E-04

8.44E+02 0.00E+00 7.97E-05 8.42E-06 3.67E-07 2.85E-05 4.29E-05 6.02E-05 7.46E-05

8.93E+02 0.00E+00 5.59E-05 5.54E-06 1.77E-07 1.95E-05 2.98E-05 3.98E-05 5.22E-05

9.45E+02 0.00E+00 3.83E-05 3.59E-06 9.23E-08 1.31E-05 2.04E-05 2.66E-05 3.57E-05

1.00E+03 0.00E+00 2.57E-05 2.28E-06 5.20E-08 8.21E-06 1.35E-05 1.73E-05 2.39E-05

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	1.14E-02	3.58E-02	2.15E-02	1.83E-02	3.58E-02	3.58E-02	3.58E-02	3.58E-02
1.00E+00	1.07E-02	3.55E-02	2.13E-02	1.81E-02	3.55E-02	3.55E-02	3.55E-02	3.55E-02
1.06E+00	1.07E-02	3.55E-02	2.13E-02	1.80E-02	3.55E-02	3.55E-02	3.55E-02	3.55E-02
1.12E+00	1.06E-02	3.55E-02	2.13E-02	1.80E-02	3.54E-02	3.55E-02	3.55E-02	3.55E-02
1.19E+00	1.05E-02	3.55E-02	2.12E-02	1.80E-02	3.54E-02	3.55E-02	3.55E-02	3.55E-02
1.25E+00	1.05E-02	3.54E-02	2.12E-02	1.79E-02	3.54E-02	3.54E-02	3.54E-02	3.54E-02
1.33E+00	1.04E-02	3.54E-02	2.12E-02	1.79E-02	3.54E-02	3.54E-02	3.54E-02	3.54E-02
1.40E+00	1.03E-02	3.54E-02	2.12E-02	1.79E-02	3.54E-02	3.54E-02	3.54E-02	3.54E-02
1.49E+00	1.03E-02	3.54E-02	2.12E-02	1.79E-02	3.53E-02	3.54E-02	3.54E-02	3.54E-02
1.57E+00	1.02E-02	3.54E-02	2.11E-02	1.78E-02	3.53E-02	3.54E-02	3.54E-02	3.54E-02
1.66E+00	1.01E-02	3.53E-02	2.11E-02	1.78E-02	3.53E-02	3.53E-02	3.53E-02	3.53E-02
1.76E+00	1.00E-02	3.53E-02	2.11E-02	1.78E-02	3.53E-02	3.53E-02	3.53E-02	3.53E-02
1.86E+00	9.90E-03	3.53E-02	2.11E-02	1.78E-02	3.52E-02	3.53E-02	3.53E-02	3.53E-02
1.97E+00	9.80E-03	3.53E-02	2.10E-02	1.78E-02	3.52E-02	3.52E-02	3.53E-02	3.53E-02
2.09E+00	9.70E-03	3.52E-02	2.10E-02	1.77E-02	3.52E-02	3.52E-02	3.52E-02	3.52E-02
2.21E+00	9.59E-03	3.52E-02	2.10E-02	1.77E-02	3.51E-02	3.52E-02	3.52E-02	3.52E-02
2.34E+00	9.47E-03	3.52E-02	2.10E-02	1.76E-02	3.51E-02	3.52E-02	3.52E-02	3.52E-02
2.47E+00	9.34E-03	3.51E-02	2.09E-02	1.76E-02	3.51E-02	3.51E-02	3.51E-02	3.51E-02
2.62E+00	9.21E-03	3.51E-02	2.09E-02	1.76E-02	3.50E-02	3.51E-02	3.51E-02	3.51E-02
2.77E+00	9.07E-03	3.51E-02	2.09E-02	1.76E-02	3.50E-02	3.50E-02	3.51E-02	3.51E-02
2.93E+00	8.92E-03	3.50E-02	2.08E-02	1.75E-02	3.49E-02	3.50E-02	3.50E-02	3.50E-02
3.00E+00	8.86E-03	3.50E-02	2.08E-02	1.75E-02	3.49E-02	3.50E-02	3.50E-02	3.50E-02
3.10E+00	8.77E-03	3.50E-02	2.08E-02	1.74E-02	3.49E-02	3.50E-02	3.50E-02	3.50E-02
3.28E+00	8.60E-03	3.49E-02	2.07E-02	1.74E-02	3.48E-02	3.49E-02	3.49E-02	3.49E-02
3.48E+00	8.43E-03	3.49E-02	2.07E-02	1.73E-02	3.48E-02	3.49E-02	3.49E-02	3.49E-02
3.68E+00	8.25E-03	3.48E-02	2.06E-02	1.73E-02	3.47E-02	3.48E-02	3.48E-02	3.48E-02
3.89E+00	7.92E-03	3.48E-02	2.06E-02	1.72E-02	3.47E-02	3.48E-02	3.48E-02	3.48E-02
4.12E+00	6.43E-03	3.47E-02	2.05E-02	1.72E-02	3.46E-02	3.47E-02	3.47E-02	3.47E-02
4.36E+00	4.67E-03	3.47E-02	2.05E-02	1.72E-02	3.46E-02	3.46E-02	3.47E-02	3.47E-02
4.61E+00	2.81E-03	3.46E-02	2.04E-02	1.71E-02	3.45E-02	3.46E-02	3.46E-02	3.46E-02
4.88E+00	1.32E-03	3.45E-02	2.03E-02	1.71E-02	3.44E-02	3.45E-02	3.45E-02	3.45E-02
5.17E+00	3.57E-04	3.45E-02	2.03E-02	1.71E-02	3.43E-02	3.44E-02	3.44E-02	3.45E-02
5.47E+00	4.84E-06	3.44E-02	2.02E-02	1.70E-02	3.42E-02	3.44E-02	3.44E-02	3.44E-02
5.78E+00	0.00E+00	3.43E-02	2.01E-02	1.70E-02	3.42E-02	3.43E-02	3.43E-02	3.43E-02
6.12E+00	0.00E+00	3.42E-02	2.00E-02	1.69E-02	3.41E-02	3.42E-02	3.42E-02	3.42E-02
6.48E+00	0.00E+00	3.41E-02	1.99E-02	1.69E-02	3.40E-02	3.41E-02	3.41E-02	3.41E-02
6.86E+00	0.00E+00	3.40E-02	1.99E-02	1.68E-02	3.39E-02	3.40E-02	3.40E-02	3.40E-02
7.26E+00	0.00E+00	3.39E-02	1.98E-02	1.67E-02	3.38E-02	3.39E-02	3.39E-02	3.39E-02
7.68E+00	0.00E+00	3.38E-02	1.97E-02	1.66E-02	3.37E-02	3.38E-02	3.38E-02	3.38E-02
8.13E+00	0.00E+00	3.37E-02	1.96E-02	1.66E-02	3.35E-02	3.37E-02	3.37E-02	3.37E-02
8.60E+00	0.00E+00	3.36E-02	1.95E-02	1.65E-02	3.34E-02	3.36E-02	3.36E-02	3.36E-02
9.10E+00	0.00E+00	3.35E-02	1.94E-02	1.64E-02	3.33E-02	3.34E-02	3.35E-02	3.35E-02
9.63E+00	0.00E+00	3.34E-02	1.93E-02	1.63E-02	3.31E-02	3.33E-02	3.34E-02	3.34E-02
1.00E+01	0.00E+00	3.33E-02	1.92E-02	1.62E-02	3.30E-02	3.32E-02	3.33E-02	3.33E-02
1.02E+01	0.00E+00	3.32E-02	1.92E-02	1.62E-02	3.30E-02	3.32E-02	3.32E-02	3.32E-02
1.08E+01	0.00E+00	3.31E-02	1.90E-02	1.61E-02	3.28E-02	3.30E-02	3.31E-02	3.31E-02
1.14E+01	0.00E+00	3.29E-02	1.89E-02	1.60E-02	3.27E-02	3.29E-02	3.29E-02	3.29E-02
1.21E+01	0.00E+00	3.28E-02	1.88E-02	1.59E-02	3.25E-02	3.27E-02	3.28E-02	3.28E-02
1.28E+01	0.00E+00	3.26E-02	1.86E-02	1.58E-02	3.23E-02	3.25E-02	3.26E-02	3.26E-02
1.35E+01	0.00E+00	3.24E-02	1.85E-02	1.57E-02	3.21E-02	3.24E-02	3.24E-02	3.24E-02
1.43E+01	0.00E+00	3.23E-02	1.83E-02	1.56E-02	3.19E-02	3.22E-02	3.22E-02	3.22E-02
1.51E+01	0.00E+00	3.21E-02	1.82E-02	1.53E-02	3.17E-02	3.20E-02	3.20E-02	3.21E-02
1.60E+01	0.00E+00	3.19E-02	1.80E-02	1.52E-02	3.15E-02	3.18E-02	3.18E-02	3.18E-02
1.70E+01	0.00E+00	3.16E-02	1.78E-02	1.50E-02	3.13E-02	3.15E-02	3.16E-02	3.16E-02
1.80E+01	0.00E+00	3.14E-02	1.76E-02	1.49E-02	3.10E-02	3.13E-02	3.14E-02	3.14E-02
1.90E+01	0.00E+00	3.12E-02	1.75E-02	1.47E-02	3.07E-02	3.11E-02	3.11E-02	3.12E-02

2.01E+01 0.00E+00 3.09E-02 1.73E-02 1.46E-02 3.05E-02 3.08E-02 3.09E-02 3.09E-02

2.13E+01 0.00E+00 3.07E-02 1.70E-02 1.44E-02 3.02E-02 3.05E-02 3.06E-02 3.07E-02

2.25E+01 0.00E+00 3.04E-02 1.68E-02 1.42E-02 2.99E-02 3.03E-02 3.04E-02 3.04E-02

2.38E+01 0.00E+00 3.01E-02 1.66E-02 1.40E-02 2.96E-02 3.00E-02 3.01E-02 3.01E-02

2.52E+01	0.00E+00	2.98E-02	1.64E-02	1.38E-02	2.92E-02	2.97E-02	2.98E-02	2.98E-02
----------	----------	----------	----------	----------	----------	----------	----------	----------

2.67E+01 0.00E+00 2.95E-02 1.61E-02 1.37E-02 2.89E-02 2.93E-02 2.95E-02 2.95E-02

2.82E+01	0.00E+00	2.92E-02	1.59E-02	1.35E-02	2.85E-02	2.90E-02	2.91E-02	2.92E-02
----------	----------	----------	----------	----------	----------	----------	----------	----------

2.99E+01 0.00E+00 2.88E-02 1.56E-02 1.32E-02 2.82E-02 2.86E-02 2.88E-02 2.88E-02

3.00E+01	0.00E+00	2.88E-02	1.56E-02	1.32E-02	2.81E-02	2.86E-02	2.87E-02	2.88E-02
----------	----------	----------	----------	----------	----------	----------	----------	----------

3.16E+01	0.00E+00	2.85E-02	1.54E-02	1.30E-02	2.78E-02	2.82E-02	2.84E-02	2.84E-02
----------	----------	----------	----------	----------	----------	----------	----------	----------

3.35E+01	0.00E+00	2.81E-02	1.51E-02	1.28E-02	2.73E-02	2.79E-02	2.80E-02	2.81E-02
----------	----------	----------	----------	----------	----------	----------	----------	----------

3.54E+01 0.00E+00 2.77E-02 1.48E-02 1.25E-02 2.69E-02 2.75E-02 2.76E-02 2.77E-02

3.75E+01	0.00E+00	2.73E-02	1.45E-02	1.23E-02	2.64E-02	2.70E-02	2.72E-02	2.73E-02
----------	----------	----------	----------	----------	----------	----------	----------	----------

3.97E+01 0.00E+00 2.69E-02 1.42E-02 1.20E-02 2.59E-02 2.66E-02 2.68E-02 2.68E-02

4.20E+01 0.00E+00 2.64E-02 1.39E-02 1.18E-02 2.55E-02 2.61E-02 2.63E-02 2.64E-02

4.44E+01 0.00E+00 2.60E-02 1.36E-02 1.15E-02 2.50E-02 2.57E-02 2.59E-02 2.59E-02

4.70E+01 0.00E+00 2.55E-02 1.32E-02 1.12E-02 2.44E-02 2.52E-02 2.54E-02 2.54E-02

4.97E+01 0.00E+00 2.50E-02 1.29E-02 1.09E-02 2.39E-02 2.47E-02 2.49E-02 2.49E-02

5.26E+01 0.00E+00 2.45E-02 1.25E-02 1.06E-02 2.34E-02 2.42E-02 2.44E-02 2.44E-02

5.57E+01	0.00E+00	2.39E-02	1.22E-02	1.03E-02	2.28E-02	2.36E-02	2.38E-02	2.39E-02
----------	----------	----------	----------	----------	----------	----------	----------	----------

5.90E+01 0.00E+00 2.34E-02 1.18E-02 1.00E-02 2.22E-02 2.30E-02 2.33E-02 2.33E-02

6.24E+01	0.00E+00	2.28E-02	1.14E-02	9.71E-03	2.16E-02	2.25E-02	2.27E-02	2.27E-02
----------	----------	----------	----------	----------	----------	----------	----------	----------

6.60E+01	0.00E+00	2.22E-02	1.10E-02	9.37E-03	2.10E-02	2.19E-02	2.21E-02	2.22E-02
----------	----------	----------	----------	----------	----------	----------	----------	----------

6.99E+01	0.00E+00	2.16E-02	1.06E-02	9.04E-03	2.03E-02	2.13E-02	2.15E-02	2.15E-02
----------	----------	----------	----------	----------	----------	----------	----------	----------

7.39E+01 0.00E+00 2.10E-02 1.02E-02 8.69E-03 1.96E-02 2.06E-02 2.09E-02 2.09E-02

7.82E+01 0.00E+00 2.03E-02 9.81E-03 8.36E-03 1.90E-02 2.00E-02 2.02E-02 2.03E-02

8.28E+01 0.00E+00 1.97E-02 9.40E-03 8.02E-03 1.83E-02 1.93E-02 1.96E-02 1.96E-02

8.76E+01 0.00E+00 1.90E-02 8.98E-03 7.63E-03 1.74E-02 1.86E-02 1.89E-02 1.89E-02

9.27E+01 0.00E+00 1.83E-02 8.55E-03 7.26E-03 1.66E-02 1.79E-02 1.82E-02 1.83E-02

9.81E+01 0.00E+00 1.76E-02 8.11E-03 6.89E-03 1.58E-02 1.72E-02 1.75E-02 1.76E-02

1.00E+02 0.00E+00 1.74E-02 7.97E-03 6.78E-03 1.56E-02 1.70E-02 1.73E-02 1.73E-02

1.04E+02 0.00E+00 1.69E-02 7.68E-03 6.54E-03 1.51E-02 1.65E-02 1.68E-02 1.68E-02

1.10E+02 0.00E+00 1.62E-02 7.25E-03 6.20E-03 1.43E-02 1.58E-02 1.61E-02 1.61E-02

1.16E+02 0.00E+00 1.54E-02 6.81E-03 5.80E-03 1.36E-02 1.50E-02 1.53E-02 1.54E-02

1.23E+02 0.00E+00 1.47E-02 6.39E-03 5.39E-03 1.27E-02 1.43E-02 1.46E-02 1.47E-02

1.30E+02 0.00E+00 1.40E-02 5.96E-03 5.06E-03 1.21E-02 1.35E-02 1.38E-02 1.39E-02

1.38E+02 0.00E+00 1.32E-02 5.54E-03 4.73E-03 1.13E-02 1.27E-02 1.31E-02 1.32E-02

1.46E+02 0.00E+00 1.25E-02 5.12E-03 4.33E-03 1.06E-02 1.20E-02 1.24E-02 1.24E-02

1.54E+02 0.00E+00 1.17E-02 4.71E-03 3.95E-03 9.75E-03 1.12E-02 1.16E-02 1.17E-02

1.63E+02 0.00E+00 1.10E-02 4.32E-03 3.60E-03 8.96E-03 1.05E-02 1.09E-02 1.09E-02

1.73E+02 0.00E+00 1.04E-02 3.93E-03 3.29E-03 8.28E-03 9.73E-03 1.02E-02 1.02E-02

1.83E+02	0.00E+00	9.81E-03	3.56E-03	2.99E-03	7.58E-03	9.02E-03	9.43E-03	9.49E-03
----------	----------	----------	----------	----------	----------	----------	----------	----------

1.94E+02 0.00E+00 9.18E-03 3.20E-03 2.72E-03 6.84E-03 8.25E-03 8.73E-03 8.79E-03

2.05E+02 0.00E+00 8.54E-03 2.86E-03 2.46E-03 6.16E-03 7.57E-03 8.04E-03 8.10E-03

2.17E+02 0.00E+00 7.47E-03 2.53E-03 2.19E-03 5.55E-03 6.85E-03 7.33E-03 7.42E-03

2.29E+02 0.00E+00 6.82E-03 2.23E-03 1.96E-03 4.89E-03 6.15E-03 6.67E-03 6.77E-03

2.43E+02 0.00E+00 6.19E-03 1.95E-03 1.71E-03 4.36E-03 5.55E-03 6.00E-03 6.15E-03

2.57E+02 0.00E+00 5.59E-03 1.70E-03 1.49E-03 3.85E-03 4.99E-03 5.40E-03 5.55E-03

2.72E+02	0.00E+00	5.02E-03	1.46E-03	1.27E-03	3.38E-03	4.44E-03	4.84E-03	4.98E-03
----------	----------	----------	----------	----------	----------	----------	----------	----------

2.88E+02 0.00E+00 4.48E-03 1.26E-03 1.09E-03 2.94E-03 3.91E-03 4.31E-03 4.44E-03

3.00E+02 0.00E+00 4.09E-03 1.12E-03 9.31E-04 2.65E-03 3.54E-03 3.94E-03 4.06E-03

3.05E+02 0.00E+00 3.96E-03 1.07E-03 8.86E-04 2.56E-03 3.41E-03 3.81E-03 3.93E-03

3.22E+02 0.00E+00 3.48E-03 9.03E-04 7.43E-04 2.21E-03 2.97E-03 3.28E-03 3.44E-03

3.41E+02 0.00E+00 3.04E-03 7.55E-04 6.16E-04 1.89E-03 2.57E-03 2.81E-03 3.00E-03

3.61E+02	0.00E+00	2.63E-03	6.26E-04	5.06E-04	1.57E-03	2.09E-03	2.38E-03	2.60E-03
----------	----------	----------	----------	----------	----------	----------	----------	----------

3.82E+02 0.00E+00 2.26E-03 5.14E-04 4.08E-04 1.30E-03 1.75E-03 1.97E-03 2.23E-03

4.04E+02 0.00E+00 1.93E-03 4.17E-04 3.23E-04 1.08E-03 1.42E-03 1.67E-03 1.90E-03

4.28E+02 0.00E+00 1.63E-03 3.35E-04 2.47E-04 8.62E-04 1.18E-03 1.40E-03 1.60E-03

4.53E+02	0.00E+00	1.36E-03	2.66E-04	1.69E-04	6.75E-04	9.69E-04	1.16E-03	1.33E-03
----------	----------	----------	----------	----------	----------	----------	----------	----------

4.79E+02 0.00E+00 1.12E-03 2.09E-04 1.18E-04 5.31E-04 7.73E-04 9.57E-04 1.09E-03

5.07E+02 0.00E+00 9.17E-04 1.61E-04 7.98E-05 4.16E-04 6.08E-04 7.74E-04 8.86E-04

5.36E+02 0.00E+00 7.41E-04 1.23E-04 5.38E-05 3.24E-04 4.87E-04 6.07E-04 6.99E-04

5.68E+02 0.00E+00 5.91E-04 9.26E-05 3.20E-05 2.52E-04 3.86E-04 4.72E-04 5.55E-04

6.01E+02 0.00E+00 4.66E-04 6.86E-05 1.61E-05 1.92E-04 2.98E-04 3.52E-04 4.31E-04

6.36E+02	0.00E+00	3.61E-04	5.00E-05	8.62E-06	1.43E-04	2.25E-04	2.69E-04	3.18E-04
----------	----------	----------	----------	----------	----------	----------	----------	----------

6.73E+02 0.00E+00 2.77E-04 3.59E-05 4.46E-06 1.06E-04 1.68E-04 2.02E-04 2.37E-04

7.12E+02 0.00E+00 2.08E-04 2.53E-05 2.35E-06 7.77E-05 1.22E-04 1.44E-04 1.78E-04

7.53E+02 0.00E+00 1.54E-04 1.75E-05 1.31E-06 5.52E-05 8.81E-05 1.03E-04 1.28E-04

7.97E+02 0.00E+00 1.12E-04 1.19E-05 7.67E-07 3.90E-05 6.02E-05 7.35E-05 9.20E-05

8.44E+02 0.00E+00 8.04E-05 7.95E-06 4.09E-07 2.74E-05 4.29E-05 5.12E-05 6.47E-05

8.93E+02 0.00E+00 5.63E-05 5.23E-06 2.15E-07 1.89E-05 2.91E-05 3.38E-05 4.45E-05

9.45E+02 0.00E+00 3.87E-05 3.37E-06 1.35E-07 1.28E-05 1.92E-05 2.30E-05 3.00E-05

1.00E+03 0.00E+00 2.60E-05 2.13E-06 7.96E-08 8.19E-06 1.20E-05 1.53E-05 1.98E-05

Probabilistic results summary : RESRAD Default Parameters

File : C:\USERS\DNF\DOCUMENTS\FT CALHOUN\RESRAD INPUT FILES\SOIL UNCERTAINTY ANALYSIS\FCS SOIL UNCERTAINTY ANALYSIS NI-63.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	2.154E-02
2	0.000E+00	2.153E-02
3	0.000E+00	2.154E-02

Title : RESRAD Default Parameters
Input File : FCS SOIL UNCERTAINTY ANALYSIS NI-63.RAD

Coefficients for peak All Pathways Dose

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

Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Contaminated zone erosion rate	2	-0.12	2	-0.04	18	0.01	18	0.00
Contaminated zone b parameter	15	-0.01	15	0.00	7	0.04	7	0.00
Evapotranspiration coefficient	10	-0.02	10	-0.01	3	0.14	3	0.01
Wind Speed	14	-0.01	14	0.00	11	0.02	11	0.00
Runoff coefficient	4	-0.06	4	-0.02	4	0.07	4	0.01
Well pump intake depth	8	-0.04	8	-0.01	9	0.03	9	0.00
b Parameter of Unsaturated zone 1	3	-0.08	3	-0.02	16	-0.01	16	0.00
Mass loading for inhalation	5	0.06	5	0.02	10	-0.02	10	0.00
Indoor dust filtration factor	11	0.02	11	0.00	15	0.02	15	0.00
Depth of soil mixing layer	9	0.03	9	0.01	14	-0.02	14	0.00
Depth of roots	1	-0.96	1	-0.96	1	-0.99	1	-0.99
Wet weight crop yield of fruit, grain and non-leafy vegetables	16	-0.01	16	0.00	12	-0.02	12	0.00
Weathering removal constant of all vegetation	17	0.01	17	0.00	13	-0.02	13	0.00
Wet foliar interception fraction of leafy vegetables	13	-0.01	13	0.00	17	-0.01	17	0.00
Humidity in air	12	0.01	12	0.00	6	0.05	6	0.01
Kd of Ni-63 in Contaminated Zone	7	0.04	7	0.01	2	0.22	2	0.02
Kd of Ni-63 in Unsaturated Zone 1	6	0.04	6	0.01	5	0.05	5	0.01
Kd of Ni-63 in Saturated Zone	18	0.00	18	0.00	8	0.03	8	0.00
R-SQUARE	0.92		0.92		0.99		0.99	

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

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

Title : RESRAD Default Parameters

Input File : FCS SOIL UNCERTAINTY ANALYSIS NI-63.RAD

Coefficients for peak All Pathways Dose

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

Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
---------------------------------------	-----	-------	-----	-------	-----	-------	-----	-------

Contaminated zone erosion rate	3	-0.11	3	-0.03	14	-0.03	14	0.00
Contaminated zone b parameter	10	-0.03	10	-0.01	17	-0.01	17	0.00
Evapotranspiration coefficient	11	0.03	11	0.01	3	0.12	3	0.01
Wind Speed	14	-0.02	14	0.00	16	0.01	16	0.00
Runoff coefficient	8	0.05	8	0.01	9	0.05	9	0.00
Well pump intake depth	4	-0.10	4	-0.03	11	-0.04	11	0.00
b Parameter of Unsaturated zone 1	6	-0.09	6	-0.03	12	0.04	12	0.00
Mass loading for inhalation	2	0.12	2	0.03	6	0.07	6	0.01
Indoor dust filtration factor	5	0.10	5	0.03	7	0.06	7	0.01
Depth of soil mixing layer	15	-0.01	15	0.00	5	-0.09	5	-0.01
Depth of roots	1	-0.96	1	-0.96	1	-0.99	1	-0.99
Wet weight crop yield of fruit, grain and non-leafy vegetables	18	0.00	18	0.00	4	0.11	4	0.01
Weathering removal constant of all vegetation	7	0.07	7	0.02	15	0.03	15	0.00
Wet foliar interception fraction of leafy vegetables	9	0.04	9	0.01	8	0.05	8	0.01
Humidity in air	13	0.02	13	0.01	10	-0.05	10	0.00
Kd of Ni-63 in Contaminated Zone	17	0.00	17	0.00	2	0.28	2	0.03
Kd of Ni-63 in Unsaturated Zone 1	12	-0.03	12	-0.01	18	0.00	18	0.00
Kd of Ni-63 in Saturated Zone	16	0.01	16	0.00	13	0.03	13	0.00

R-SQUARE	0.92	0.92	0.99	0.99
----------	------	------	------	------

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

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

Title : RESRAD Default Parameters
Input File : FCS SOIL UNCERTAINTY ANALYSIS NI-63.RAD

Coefficients for peak All Pathways Dose

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

Description of Probabilistic Variable	Sig	Coeff	Sig	Coeff	Sig	Coeff	Sig	Coeff
Contaminated zone erosion rate	9	-0.04	9	-0.01	10	0.03	10	0.00
Contaminated zone b parameter	6	-0.05	6	-0.02	13	-0.02	13	0.00
Evapotranspiration coefficient	17	-0.01	17	0.00	4	0.11	4	0.01
Wind Speed	8	-0.05	8	-0.01	3	-0.12	3	-0.01
Runoff coefficient	2	-0.09	2	-0.03	17	0.01	17	0.00
Well pump intake depth	3	0.08	3	0.02	7	0.06	7	0.01
b Parameter of Unsaturated zone 1	14	0.03	14	0.01	11	0.03	11	0.00
Mass loading for inhalation	15	0.02	15	0.01	16	0.01	16	0.00
Indoor dust filtration factor	13	0.03	13	0.01	6	0.07	6	0.01
Depth of soil mixing layer	11	-0.03	10	-0.01	8	-0.04	8	0.00
Depth of roots	1	-0.96	1	-0.96	1	-0.99	1	-0.99
Wet weight crop yield of fruit, grain and non-leafy vegetables	18	0.01	18	0.00	15	-0.01	15	0.00
Weathering removal constant of all vegetation	7	-0.05	7	-0.01	12	-0.03	12	0.00
Wet foliar interception fraction of leafy vegetables	10	-0.03	11	-0.01	9	0.03	9	0.00
Humidity in air	16	0.02	16	0.00	5	-0.08	5	-0.01
Kd of Ni-63 in Contaminated Zone	4	0.07	4	0.02	2	0.27	2	0.03
Kd of Ni-63 in Unsaturated Zone 1	5	-0.06	5	-0.02	18	0.00	18	0.00
Kd of Ni-63 in Saturated Zone	12	0.03	12	0.01	14	0.02	14	0.00
R-SQUARE	0.92		0.92		0.99		0.99	

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

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