Probabilistic results summary : RESRAD Default Parameters

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Probabilistic Input

Number of Sample Runs: 1500

Number	Name	Distribution	Parameters															
1	VCZ	CONTINUOUS LOGARITHMIC	4	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	BUZ(1)	BOUNDED LOGNORMAL-N	1.28	.334	1.28	10.1												
7	MLINH	CONTINUOUS LINEAR	8	0	0	.000008	.0151	.000016	.1365	.00003	.8119	.00004	.9495	.00006	.9937	.000076	.9983	.0001	1
8	SHF3	UNIFORM	.15	.95														
9	DM	TRIANGULAR	0	.15	.6													
10	DROOT	UNIFORM	.3	4														
11	YV(1)	TRUNCATED LOGNORMAL-N	.56	.48	.001	.999												
12	WLAM	TRIANGULAR	5.1	18	84													
13	RWET(2)	TRIANGULAR	.06	.67	.95													
14	HUMID	TRUNCATED LOGNORMAL-N	1.98	.334	.001	.999												
15	VCV	CONTINUOUS LOGARITHMIC	4	5.E-8	0	.0007	.22	.005	.95	.2	1							
16	DCACTC(1)	LOGNORMAL-N	4.87	2.3														
17	DCACTS(1)	LOGNORMAL-N	4.87	2.3														

Probabilistic results summary : RESRAD Default Parameters

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Probabilistic Total Dose Summary

Nuclide	Peak	Peak	DOSE(j,t), mrem/yr							
(j)	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-59										
Min	0.00E+00	2.69E-05	1.03E-05	1.03E-05	1.03E-05	1.03E-05	1.03E-05	0.00E+00	0.00E+00	0.00E+00
Max	1.00E+03	6.91E-01	6.91E-01	5.97E-01	4.44E-01	2.57E-01	9.77E-02	3.94E-02	1.54E-02	1.12E-02
Avg	2.53E+02	2.56E-02	2.30E-02	2.23E-02	2.09E-02	1.77E-02	1.34E-02	9.38E-03	7.62E-03	5.41E-03
Std	3.27E+02	5.54E-02	5.62E-02	5.14E-02	4.37E-02	2.82E-02	1.39E-02	5.60E-03	3.65E-03	4.01E-03
∑ALL										
Min	0.00E+00	2.69E-05	1.03E-05	1.03E-05	1.03E-05	1.03E-05	1.03E-05	0.00E+00	0.00E+00	0.00E+00
Max	1.00E+03	6.91E-01	6.91E-01	5.97E-01	4.44E-01	2.57E-01	9.77E-02	3.94E-02	1.54E-02	1.12E-02
Avg	2.53E+02	2.56E-02	2.30E-02	2.23E-02	2.09E-02	1.77E-02	1.34E-02	9.38E-03	7.62E-03	5.41E-03
Std	3.27E+02	5.54E-02	5.62E-02	5.14E-02	4.37E-02	2.82E-02	1.39E-02	5.60E-03	3.65E-03	4.01E-03

∑ALL is total dose summed for all nuclides.

Probabilistic results summary : RESRAD Default Parameters

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Probabilistic Risk Summary

Nuclide	RISK(j,t)							
(j) t=	0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
Ni-59								
Min	5.20E-10	5.20E-10	5.20E-10	5.20E-10	5.20E-10	0.00E+00	0.00E+00	0.00E+00
Max	3.65E-05	3.17E-05	2.36E-05	1.33E-05	5.06E-06	2.04E-06	8.06E-07	6.23E-07
Avg	1.19E-06	1.15E-06	1.09E-06	9.17E-07	6.98E-07	4.96E-07	4.11E-07	2.97E-07
Std	2.91E-06	2.67E-06	2.26E-06	1.45E-06	7.02E-07	2.85E-07	2.00E-07	2.22E-07
∑ALL								
Min	5.20E-10	5.20E-10	5.20E-10	5.20E-10	5.20E-10	0.00E+00	0.00E+00	0.00E+00
Max	3.65E-05	3.17E-05	2.36E-05	1.33E-05	5.06E-06	2.04E-06	8.06E-07	6.23E-07
Avg	1.19E-06	1.15E-06	1.09E-06	9.17E-07	6.98E-07	4.96E-07	4.11E-07	2.97E-07
Std	2.91E-06	2.67E-06	2.26E-06	1.45E-06	7.02E-07	2.85E-07	2.00E-07	2.22E-07

∑ALL is total risk summed for all nuclides.

Probabilistic results summary : RESRAD Default Parameters

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Probabilistic Dose vs Pathway(i): Ground External

Nuclide	DOSE(i,j,t), mrem/yr							
(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-59								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
∑ALL								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

∑ALL is total pathway dose summed for all nuclides.

Probabilistic results summary : RESRAD Default Parameters

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

Nuclide	DOSE(i,j,t), mrem/yr							
(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-59								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	1.64E-08	7.63E-08	7.88E-08	7.22E-08	1.32E-07	1.38E-07
Avg	0.00E+00	0.00E+00	1.52E-11	3.85E-10	7.85E-10	1.10E-09	6.64E-09	1.17E-08
Std	0.00E+00	0.00E+00	4.40E-10	3.66E-09	5.24E-09	5.98E-09	1.39E-08	1.61E-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	0.00E+00	0.00E+00	1.64E-08	7.63E-08	7.88E-08	7.22E-08	1.32E-07	1.38E-07
Avg	0.00E+00	0.00E+00	1.52E-11	3.85E-10	7.85E-10	1.10E-09	6.64E-09	1.17E-08
Std	0.00E+00	0.00E+00	4.40E-10	3.66E-09	5.24E-09	5.98E-09	1.39E-08	1.61E-08

∑ALL is total pathway dose summed for all nuclides.

Probabilistic results summary : RESRAD Default Parameters

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Probabilistic Dose vs Pathway(i): Radon (Water 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
Ni-59								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
∑ALL								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

∑ALL is total pathway dose summed for all nuclides.

Probabilistic results summary : RESRAD Default Parameters

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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
Ni-59								
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	2.00E-03	2.09E-03	2.29E-03	2.56E-03	2.56E-03	2.56E-03	2.55E-03	2.53E-03
Avg	1.19E-03	1.19E-03	1.20E-03	1.20E-03	1.19E-03	1.21E-03	1.32E-03	1.09E-03
Std	6.99E-04	6.96E-04	6.94E-04	7.02E-04	7.12E-04	7.32E-04	8.40E-04	9.04E-04
∑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	2.00E-03	2.09E-03	2.29E-03	2.56E-03	2.56E-03	2.56E-03	2.55E-03	2.53E-03
Avg	1.19E-03	1.19E-03	1.20E-03	1.20E-03	1.19E-03	1.21E-03	1.32E-03	1.09E-03
Std	6.99E-04	6.96E-04	6.94E-04	7.02E-04	7.12E-04	7.32E-04	8.40E-04	9.04E-04

∑ALL is total pathway dose summed for all nuclides.

Probabilistic results summary : RESRAD Default Parameters

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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
Ni-59								
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	2.03E-04	2.13E-04	2.42E-04	3.36E-04	3.35E-04	3.35E-04	3.35E-04	3.32E-04
Avg	1.22E-04	1.22E-04	1.22E-04	1.24E-04	1.24E-04	1.26E-04	1.50E-04	1.39E-04
Std	7.15E-05	7.13E-05	7.10E-05	7.38E-05	7.68E-05	7.98E-05	1.04E-04	1.17E-04
∑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	2.03E-04	2.13E-04	2.42E-04	3.36E-04	3.35E-04	3.35E-04	3.35E-04	3.32E-04
Avg	1.22E-04	1.22E-04	1.22E-04	1.24E-04	1.24E-04	1.26E-04	1.50E-04	1.39E-04
Std	7.15E-05	7.13E-05	7.10E-05	7.38E-05	7.68E-05	7.98E-05	1.04E-04	1.17E-04

∑ALL is total pathway dose summed for all nuclides.

Probabilistic results summary : RESRAD Default Parameters

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

Nuclide	DOSE(i,j,t), mrem/yr							
(j) t=	0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
Ni-59								
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	5.86E-03	6.13E-03	6.78E-03	8.43E-03	8.43E-03	8.43E-03	8.41E-03	8.35E-03
Avg	3.51E-03	3.51E-03	3.52E-03	3.54E-03	3.53E-03	3.58E-03	4.06E-03	3.56E-03
Std	2.06E-03	2.05E-03	2.04E-03	2.09E-03	2.14E-03	2.21E-03	2.68E-03	2.95E-03
∑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	5.86E-03	6.13E-03	6.78E-03	8.43E-03	8.43E-03	8.43E-03	8.41E-03	8.35E-03
Avg	3.51E-03	3.51E-03	3.52E-03	3.54E-03	3.53E-03	3.58E-03	4.06E-03	3.56E-03
Std	2.06E-03	2.05E-03	2.04E-03	2.09E-03	2.14E-03	2.21E-03	2.68E-03	2.95E-03

∑ALL is total pathway dose summed for all nuclides.

Probabilistic results summary : RESRAD Default Parameters

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Probabilistic Dose vs Pathway(i): Soil Ingestion

Nuclide	DOSE(i,j,t), mrem/yr							
(j) t=	0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
Ni-59								
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	7.17E-07	3.00E-06	3.00E-06	2.99E-06	2.99E-06	2.97E-06
Avg	0.00E+00	0.00E+00	1.07E-09	3.75E-08	7.62E-08	1.07E-07	6.25E-07	1.12E-06
Std	0.00E+00	0.00E+00	2.54E-08	3.19E-07	4.54E-07	5.22E-07	1.06E-06	1.16E-06
∑ALL								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	7.17E-07	3.00E-06	3.00E-06	2.99E-06	2.99E-06	2.97E-06
Avg	0.00E+00	0.00E+00	1.07E-09	3.75E-08	7.62E-08	1.07E-07	6.25E-07	1.12E-06
Std	0.00E+00	0.00E+00	2.54E-08	3.19E-07	4.54E-07	5.22E-07	1.06E-06	1.16E-06

∑ALL is total pathway dose summed for all nuclides.

Probabilistic results summary : RESRAD Default Parameters

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Probabilistic Dose vs Pathway(i): Water Ingestion

Nuclide	DOSE(i,j,t), mrem/yr							
(j) t=	0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
Ni-59								
Min	1.82E-07	1.82E-07	1.82E-07	1.82E-07	1.82E-07	0.00E+00	0.00E+00	0.00E+00
Max	2.59E-01	2.23E-01	1.66E-01	7.77E-02	3.24E-02	9.84E-03	3.22E-03	9.92E-04
Avg	6.44E-03	6.16E-03	5.67E-03	4.51E-03	3.02E-03	1.59E-03	7.35E-04	2.17E-04
Std	2.00E-02	1.82E-02	1.53E-02	9.75E-03	5.00E-03	2.00E-03	7.54E-04	2.23E-04
∑ALL								
Min	1.82E-07	1.82E-07	1.82E-07	1.82E-07	1.82E-07	0.00E+00	0.00E+00	0.00E+00
Max	2.59E-01	2.23E-01	1.66E-01	7.77E-02	3.24E-02	9.84E-03	3.22E-03	9.92E-04
Avg	6.44E-03	6.16E-03	5.67E-03	4.51E-03	3.02E-03	1.59E-03	7.35E-04	2.17E-04
Std	2.00E-02	1.82E-02	1.53E-02	9.75E-03	5.00E-03	2.00E-03	7.54E-04	2.23E-04

∑ALL is total pathway dose summed for all nuclides.

Probabilistic results summary : RESRAD Default Parameters

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Probabilistic Dose vs Pathway(i): Fish Ingestion

Nuclide	DOSE(i,j,t), mrem/yr							
(j) t=	0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
Ni-59								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
∑ALL								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

∑ALL is total pathway dose summed for all nuclides.

Probabilistic results summary : RESRAD Default Parameters

File : C:\USERS\DNF\DOCUMENTS\FT CALHOUN\RESRAD INPUT FILES\BFM INSITU UNCERTAINTY ANALYSIS\FCS BFM INSITU UA NI-59.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
Ni-59								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
∑ALL								
Min	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

∑ALL is total pathway dose summed for all nuclides.

Probabilistic results summary : RESRAD Default Parameters

File : C:\USERS\DNF\DOCUMENTS\FT CALHOUN\RESRAD INPUT FILES\BFM INSITU UNCERTAINTY ANALYSIS\FCS BFM INSITU UA NI-59.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
Ni-59								
Min	2.64E-08	2.64E-08	2.64E-08	2.64E-08	2.64E-08	0.00E+00	0.00E+00	0.00E+00
Max	2.80E-02	2.65E-02	2.37E-02	1.61E-02	5.27E-03	2.75E-03	8.76E-04	2.40E-04
Avg	5.93E-04	5.69E-04	5.27E-04	4.23E-04	2.82E-04	1.48E-04	7.01E-05	2.10E-05
Std	1.98E-03	1.84E-03	1.60E-03	1.09E-03	5.53E-04	2.33E-04	9.39E-05	2.81E-05
∑ALL								
Min	2.64E-08	2.64E-08	2.64E-08	2.64E-08	2.64E-08	0.00E+00	0.00E+00	0.00E+00
Max	2.80E-02	2.65E-02	2.37E-02	1.61E-02	5.27E-03	2.75E-03	8.76E-04	2.40E-04
Avg	5.93E-04	5.69E-04	5.27E-04	4.23E-04	2.82E-04	1.48E-04	7.01E-05	2.10E-05
Std	1.98E-03	1.84E-03	1.60E-03	1.09E-03	5.53E-04	2.33E-04	9.39E-05	2.81E-05

∑ALL is total pathway dose summed for all nuclides.

Probabilistic results summary : RESRAD Default Parameters

File : C:\USERS\DNF\DOCUMENTS\FT CALHOUN\RESRAD INPUT FILES\BFM INSITU UNCERTAINTY ANALYSIS\FCS BFM INSITU UA NI-59.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
Ni-59								
Min	1.65E-08	1.65E-08	1.65E-08	1.65E-08	1.65E-08	0.00E+00	0.00E+00	0.00E+00
Max	2.02E-02	1.74E-02	1.30E-02	7.72E-03	2.94E-03	1.07E-03	3.15E-04	9.61E-05
Avg	5.40E-04	5.17E-04	4.77E-04	3.80E-04	2.53E-04	1.32E-04	6.16E-05	1.83E-05
Std	1.67E-03	1.53E-03	1.30E-03	8.45E-04	4.24E-04	1.68E-04	6.46E-05	1.93E-05
∑ALL								
Min	1.65E-08	1.65E-08	1.65E-08	1.65E-08	1.65E-08	0.00E+00	0.00E+00	0.00E+00
Max	2.02E-02	1.74E-02	1.30E-02	7.72E-03	2.94E-03	1.07E-03	3.15E-04	9.61E-05
Avg	5.40E-04	5.17E-04	4.77E-04	3.80E-04	2.53E-04	1.32E-04	6.16E-05	1.83E-05
Std	1.67E-03	1.53E-03	1.30E-03	8.45E-04	4.24E-04	1.68E-04	6.46E-05	1.93E-05

∑ALL is total pathway dose summed for all nuclides.

Probabilistic results summary : RESRAD Default Parameters

File : C:\USERS\DNF\DOCUMENTS\FT CALHOUN\RESRAD INPUT FILES\BFM INSITU UNCERTAINTY ANALYSIS\FCS BFM INSITU UA NI-59.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
Ni-59								
Min	3.38E-07	3.38E-07	3.38E-07	3.38E-07	3.38E-07	0.00E+00	0.00E+00	0.00E+00
Max	3.81E-01	3.29E-01	2.45E-01	1.63E-01	6.20E-02	2.35E-02	6.71E-03	2.06E-03
Avg	1.06E-02	1.02E-02	9.42E-03	7.51E-03	4.99E-03	2.61E-03	1.22E-03	3.62E-04
Std	3.29E-02	3.02E-02	2.59E-02	1.70E-02	8.47E-03	3.36E-03	1.30E-03	3.91E-04
∑ALL								
Min	3.38E-07	3.38E-07	3.38E-07	3.38E-07	3.38E-07	0.00E+00	0.00E+00	0.00E+00
Max	3.81E-01	3.29E-01	2.45E-01	1.63E-01	6.20E-02	2.35E-02	6.71E-03	2.06E-03
Avg	1.06E-02	1.02E-02	9.42E-03	7.51E-03	4.99E-03	2.61E-03	1.22E-03	3.62E-04
Std	3.29E-02	3.02E-02	2.59E-02	1.70E-02	8.47E-03	3.36E-03	1.30E-03	3.91E-04

∑ALL is total pathway dose summed for all nuclides.

Probabilistic results summary : RESRAD Default Parameters

File : C:\USERS\DNF\DOCUMENTS\FT CALHOUN\RESRAD INPUT FILES\BFM INSITU UNCERTAINTY ANALYSIS\FCS BFM INSITU UA NI-59.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	1.82E-04	1.82E-04	1.82E-04	1.88E-04	2.00E-04	1.49E-04	8.09E-07	0.00E+00
0.050	4.86E-04	4.91E-04	4.91E-04	5.48E-04	6.00E-04	6.88E-04	8.82E-05	8.43E-19
0.075	1.06E-03	1.12E-03	1.13E-03	1.19E-03	1.39E-03	1.36E-03	3.44E-04	2.62E-10
0.100	1.79E-03	1.80E-03	1.88E-03	2.00E-03	2.23E-03	2.10E-03	9.23E-04	2.29E-07
0.125	2.63E-03	2.67E-03	2.77E-03	2.92E-03	3.21E-03	3.27E-03	2.00E-03	1.15E-05
0.150	3.38E-03	3.38E-03	3.51E-03	3.67E-03	3.87E-03	3.96E-03	2.87E-03	5.61E-05
0.175	4.12E-03	4.15E-03	4.34E-03	4.43E-03	4.62E-03	4.65E-03	3.67E-03	1.37E-04
0.200	4.68E-03	4.68E-03	4.76E-03	4.87E-03	5.10E-03	5.35E-03	4.40E-03	2.87E-04
0.225	5.19E-03	5.24E-03	5.33E-03	5.50E-03	5.76E-03	5.84E-03	5.04E-03	5.38E-04
0.250	5.84E-03	5.86E-03	5.96E-03	6.03E-03	6.18E-03	6.35E-03	5.73E-03	9.93E-04
0.275	6.23E-03	6.25E-03	6.30E-03	6.42E-03	6.52E-03	6.66E-03	6.15E-03	1.45E-03
0.300	6.56E-03	6.57E-03	6.59E-03	6.72E-03	6.83E-03	6.97E-03	6.52E-03	1.84E-03
0.325	6.84E-03	6.84E-03	6.87E-03	6.97E-03	7.10E-03	7.24E-03	6.91E-03	2.55E-03
0.350	7.07E-03	7.08E-03	7.10E-03	7.19E-03	7.29E-03	7.43E-03	7.21E-03	3.23E-03
0.375	7.31E-03	7.32E-03	7.37E-03	7.47E-03	7.55E-03	7.59E-03	7.46E-03	3.75E-03
0.400	7.56E-03	7.56E-03	7.60E-03	7.67E-03	7.73E-03	7.85E-03	7.62E-03	4.18E-03
0.425	7.72E-03	7.72E-03	7.74E-03	7.81E-03	7.90E-03	8.05E-03	7.82E-03	4.61E-03
0.450	7.84E-03	7.85E-03	7.86E-03	7.91E-03	8.03E-03	8.21E-03	8.02E-03	5.08E-03
0.475	7.93E-03	7.95E-03	7.97E-03	8.06E-03	8.19E-03	8.40E-03	8.16E-03	5.42E-03
0.500	8.13E-03	8.14E-03	8.19E-03	8.28E-03	8.40E-03	8.60E-03	8.33E-03	5.83E-03
0.525	8.32E-03	8.33E-03	8.36E-03	8.47E-03	8.62E-03	8.73E-03	8.54E-03	6.17E-03
0.550	8.65E-03	8.66E-03	8.70E-03	8.85E-03	8.94E-03	8.91E-03	8.71E-03	6.45E-03
0.575	9.03E-03	9.03E-03	9.04E-03	9.17E-03	9.24E-03	9.14E-03	8.87E-03	6.79E-03
0.600	9.50E-03	9.50E-03	9.50E-03	9.73E-03	9.82E-03	9.36E-03	9.10E-03	7.09E-03
0.625	1.03E-02	1.03E-02	1.03E-02	1.04E-02	1.05E-02	9.76E-03	9.29E-03	7.42E-03
0.650	1.09E-02	1.09E-02	1.09E-02	1.11E-02	1.11E-02	1.02E-02	9.50E-03	7.83E-03
0.675	1.20E-02	1.19E-02	1.19E-02	1.19E-02	1.19E-02	1.07E-02	9.78E-03	8.20E-03
0.700	1.30E-02	1.30E-02	1.30E-02	1.30E-02	1.26E-02	1.12E-02	1.00E-02	8.64E-03
0.725	1.44E-02	1.45E-02	1.44E-02	1.44E-02	1.38E-02	1.16E-02	1.03E-02	8.97E-03
0.750	1.55E-02	1.55E-02	1.55E-02	1.54E-02	1.47E-02	1.20E-02	1.06E-02	9.25E-03
0.775	1.77E-02	1.76E-02	1.76E-02	1.74E-02	1.66E-02	1.26E-02	1.09E-02	9.52E-03
0.800	2.03E-02	2.02E-02	2.01E-02	1.98E-02	1.83E-02	1.32E-02	1.11E-02	9.84E-03
0.825	2.29E-02	2.29E-02	2.28E-02	2.23E-02	2.01E-02	1.39E-02	1.13E-02	1.01E-02
0.850	2.82E-02	2.81E-02	2.79E-02	2.73E-02	2.38E-02	1.46E-02	1.13E-02	1.03E-02
0.875	3.47E-02	3.44E-02	3.39E-02	3.22E-02	2.79E-02	1.56E-02	1.14E-02	1.05E-02
0.900	4.38E-02	4.34E-02	4.26E-02	4.03E-02	3.25E-02	1.69E-02	1.15E-02	1.07E-02
0.925	6.11E-02	6.03E-02	5.84E-02	5.30E-02	3.68E-02	1.82E-02	1.16E-02	1.09E-02
0.950	8.75E-02	8.64E-02	8.35E-02	7.45E-02	4.54E-02	2.00E-02	1.20E-02	1.10E-02
0.975	1.65E-01	1.56E-01	1.43E-01	1.11E-01	5.45E-02	2.29E-02	1.27E-02	1.11E-02
1.000	6.91E-01	5.97E-01	4.44E-01	2.57E-01	9.77E-02	3.94E-02	1.54E-02	1.12E-02

Probabilistic results summary : RESRAD Default Parameters

File : C:\USERS\DNF\DOCUMENTS\FT CALHOUN\RESRAD INPUT FILES\BFM INSITU UNCERTAINTY ANALYSIS\FCS BFM INSITU UA NI-59.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	2.09E-05	5.69E-01	2.27E-02	8.05E-03	4.23E-02	8.75E-02	1.74E-01	3.04E-01
1.00E+00	2.09E-05	5.03E-01	2.19E-02	8.07E-03	4.21E-02	8.63E-02	1.67E-01	2.73E-01
1.06E+00	2.09E-05	5.00E-01	2.19E-02	8.08E-03	4.21E-02	8.63E-02	1.67E-01	2.71E-01
1.12E+00	2.09E-05	4.96E-01	2.18E-02	8.08E-03	4.21E-02	8.62E-02	1.67E-01	2.70E-01
1.19E+00	2.09E-05	4.92E-01	2.18E-02	8.08E-03	4.21E-02	8.61E-02	1.66E-01	2.68E-01
1.25E+00	2.09E-05	4.88E-01	2.18E-02	8.08E-03	4.20E-02	8.60E-02	1.66E-01	2.66E-01
1.33E+00	2.09E-05	4.83E-01	2.17E-02	8.08E-03	4.20E-02	8.60E-02	1.65E-01	2.64E-01
1.40E+00	2.09E-05	4.79E-01	2.16E-02	8.08E-03	4.20E-02	8.59E-02	1.65E-01	2.62E-01
1.49E+00	2.09E-05	4.74E-01	2.16E-02	8.08E-03	4.20E-02	8.58E-02	1.64E-01	2.59E-01
1.57E+00	2.09E-05	4.69E-01	2.15E-02	8.08E-03	4.20E-02	8.57E-02	1.64E-01	2.57E-01
1.66E+00	2.09E-05	4.64E-01	2.15E-02	8.08E-03	4.20E-02	8.56E-02	1.63E-01	2.54E-01
1.76E+00	2.09E-05	4.58E-01	2.14E-02	8.08E-03	4.19E-02	8.55E-02	1.62E-01	2.52E-01
1.86E+00	2.09E-05	4.53E-01	2.13E-02	8.08E-03	4.19E-02	8.54E-02	1.62E-01	2.49E-01
1.97E+00	2.09E-05	4.47E-01	2.13E-02	8.08E-03	4.19E-02	8.52E-02	1.61E-01	2.46E-01
2.09E+00	2.09E-05	4.40E-01	2.12E-02	8.08E-03	4.19E-02	8.51E-02	1.60E-01	2.43E-01
2.21E+00	2.09E-05	4.34E-01	2.11E-02	8.08E-03	4.18E-02	8.50E-02	1.59E-01	2.40E-01
2.34E+00	2.09E-05	4.27E-01	2.10E-02	8.08E-03	4.18E-02	8.48E-02	1.59E-01	2.37E-01
2.47E+00	2.09E-05	4.20E-01	2.09E-02	8.08E-03	4.18E-02	8.47E-02	1.58E-01	2.33E-01
2.62E+00	2.09E-05	4.12E-01	2.09E-02	8.08E-03	4.17E-02	8.45E-02	1.57E-01	2.31E-01
2.77E+00	2.09E-05	4.05E-01	2.08E-02	8.08E-03	4.17E-02	8.44E-02	1.56E-01	2.29E-01
2.93E+00	2.09E-05	3.97E-01	2.07E-02	8.08E-03	4.17E-02	8.42E-02	1.55E-01	2.27E-01
3.00E+00	2.09E-05	3.93E-01	2.06E-02	8.08E-03	4.16E-02	8.41E-02	1.54E-01	2.26E-01
3.10E+00	2.09E-05	3.88E-01	2.06E-02	8.08E-03	4.16E-02	8.40E-02	1.54E-01	2.25E-01
3.28E+00	2.09E-05	3.80E-01	2.05E-02	8.09E-03	4.16E-02	8.38E-02	1.53E-01	2.22E-01
3.48E+00	2.09E-05	3.71E-01	2.04E-02	8.09E-03	4.15E-02	8.36E-02	1.51E-01	2.20E-01
3.68E+00	2.09E-05	3.62E-01	2.02E-02	8.09E-03	4.15E-02	8.34E-02	1.50E-01	2.17E-01
3.89E+00	2.09E-05	3.53E-01	2.01E-02	8.09E-03	4.14E-02	8.31E-02	1.49E-01	2.14E-01
4.12E+00	2.09E-05	3.43E-01	2.00E-02	8.09E-03	4.14E-02	8.29E-02	1.48E-01	2.12E-01
4.36E+00	2.09E-05	3.33E-01	1.99E-02	8.09E-03	4.13E-02	8.26E-02	1.46E-01	2.06E-01
4.61E+00	2.09E-05	3.23E-01	1.97E-02	8.12E-03	4.13E-02	8.24E-02	1.45E-01	1.98E-01
4.88E+00	2.09E-05	3.12E-01	1.96E-02	8.12E-03	4.12E-02	8.20E-02	1.43E-01	1.90E-01
5.17E+00	2.09E-05	3.01E-01	1.95E-02	8.12E-03	4.11E-02	8.16E-02	1.42E-01	1.87E-01
5.47E+00	2.09E-05	2.90E-01	1.93E-02	8.12E-03	4.11E-02	8.12E-02	1.40E-01	1.83E-01
5.78E+00	2.09E-05	2.79E-01	1.92E-02	8.12E-03	4.10E-02	8.08E-02	1.38E-01	1.79E-01
6.12E+00	2.09E-05	2.68E-01	1.90E-02	8.12E-03	4.09E-02	8.03E-02	1.36E-01	1.76E-01
6.48E+00	2.09E-05	2.60E-01	1.88E-02	8.13E-03	4.08E-02	7.98E-02	1.34E-01	1.72E-01
6.86E+00	2.09E-05	2.54E-01	1.87E-02	8.13E-03	4.08E-02	7.93E-02	1.30E-01	1.67E-01
7.26E+00	2.09E-05	2.49E-01	1.85E-02	8.13E-03	4.07E-02	7.87E-02	1.25E-01	1.63E-01
7.68E+00	2.09E-05	2.43E-01	1.83E-02	8.14E-03	4.06E-02	7.82E-02	1.20E-01	1.59E-01
8.13E+00	2.09E-05	2.37E-01	1.81E-02	8.14E-03	4.05E-02	7.76E-02	1.17E-01	1.54E-01
8.60E+00	2.09E-05	2.31E-01	1.79E-02	8.14E-03	4.04E-02	7.69E-02	1.15E-01	1.49E-01
9.10E+00	2.09E-05	2.24E-01	1.78E-02	8.15E-03	4.03E-02	7.63E-02	1.13E-01	1.45E-01
9.63E+00	2.09E-05	2.18E-01	1.76E-02	8.18E-03	4.01E-02	7.55E-02	1.09E-01	1.40E-01
1.00E+01	2.09E-05	2.13E-01	1.74E-02	8.21E-03	4.01E-02	7.44E-02	1.07E-01	1.39E-01
1.02E+01	2.09E-05	2.11E-01	1.74E-02	8.21E-03	4.00E-02	7.39E-02	1.06E-01	1.38E-01
1.08E+01	2.09E-05	2.04E-01	1.72E-02	8.21E-03	3.99E-02	7.22E-02	1.04E-01	1.36E-01
1.14E+01	2.09E-05	1.97E-01	1.70E-02	8.21E-03	3.97E-02	7.03E-02	1.01E-01	1.34E-01
1.21E+01	2.09E-05	1.90E-01	1.67E-02	8.22E-03	3.96E-02	6.86E-02	9.77E-02	1.29E-01
1.28E+01	2.09E-05	1.83E-01	1.65E-02	8.24E-03	3.94E-02	6.67E-02	9.39E-02	1.22E-01
1.35E+01	2.09E-05	1.75E-01	1.63E-02	8.24E-03	3.93E-02	6.56E-02	9.10E-02	1.19E-01
1.43E+01	2.09E-05	1.68E-01	1.61E-02	8.24E-03	3.91E-02	6.52E-02	8.81E-02	1.16E-01
1.51E+01	2.09E-05	1.60E-01	1.59E-02	8.25E-03	3.61E-02	6.37E-02	8.50E-02	1.11E-01
1.60E+01	2.09E-05	1.53E-01	1.57E-02	8.28E-03	3.59E-02	6.30E-02	7.88E-02	1.07E-01
1.70E+01	2.09E-05	1.45E-01	1.54E-02	8.29E-03	3.57E-02	6.23E-02	7.52E-02	1.04E-01
1.80E+01	2.09E-05	1.37E-01	1.52E-02	8.32E-03	3.54E-02	6.01E-02	7.20E-02	9.60E-02
1.90E+01	2.09E-05	1.29E-01	1.50E-02	8.32E-03	3.52E-02	5.84E-02	6.97E-02	8.87E-02

2.01E+01 2.09E-05 1.22E-01 1.48E-02 8.32E-03 3.49E-02 5.74E-02 6.78E-02 8.39E-02

2.13E+01 2.09E-05 1.14E-01 1.45E-02 8.31E-03 3.45E-02 5.61E-02 6.57E-02 8.10E-02

2.25E+01 2.09E-05 1.06E-01 1.43E-02 8.31E-03 3.43E-02 5.50E-02 6.33E-02 7.82E-02

2.38E+01 2.09E-05 9.89E-02 1.41E-02 8.31E-03 3.37E-02 5.36E-02 6.08E-02 7.52E-02

2.52E+01 2.09E-05 9.16E-02 1.39E-02 8.29E-03 3.34E-02 5.20E-02 5.97E-02 7.22E-02

2.67E+01 2.09E-05 8.68E-02 1.36E-02 8.31E-03 3.30E-02 4.98E-02 5.77E-02 6.92E-02

2.82E+01 2.09E-05 8.30E-02 1.34E-02 8.33E-03 3.21E-02 4.88E-02 5.54E-02 6.62E-02

2.99E+01 2.09E-05 7.92E-02 1.32E-02 8.34E-03 3.15E-02 4.59E-02 5.35E-02 6.31E-02

3.00E+01	2.09E-05	7.90E-02	1.32E-02	8.35E-03	3.15E-02	4.57E-02	5.34E-02	6.29E-02

3.16E+01 2.09E-05 7.54E-02 1.30E-02 8.37E-03 3.04E-02 4.30E-02 5.13E-02 6.00E-02

3.35E+01	2.09E-05	7.16E-02	1.28E-02	8.39E-03	2.93E-02	4.20E-02	5.03E-02	5.70E-02

3.54E+01 2.09E-05 6.78E-02 1.26E-02 8.37E-03 2.81E-02 4.07E-02 4.85E-02 5.50E-02

3.75E+01 2.09E-05 6.39E-02 1.24E-02 8.39E-03 2.78E-02 3.93E-02 4.62E-02 5.41E-02

3.97E+01 2.09E-05 6.01E-02 1.22E-02 8.37E-03 2.69E-02 3.69E-02 4.47E-02 5.04E-02

4.20E+01	2.09E-05	5.63E-02	1.20E-02	8.39E-03	2.67E-02	3.60E-02	4.31E-02	4.77E-02

4.44E+01 2.09E-05 5.25E-02 1.18E-02 8.40E-03 2.63E-02 3.47E-02 4.12E-02 4.65E-02

4.70E+01 2.09E-05 5.02E-02 1.16E-02 8.40E-03 2.54E-02 3.37E-02 3.88E-02 4.57E-02

4.97E+01 2.09E-05 4.91E-02 1.14E-02 8.41E-03 2.49E-02 3.26E-02 3.69E-02 4.48E-02

5.26E+01 2.09E-05 4.79E-02 1.12E-02 8.42E-03 2.38E-02 3.17E-02 3.50E-02 4.16E-02

5.57E+01 2.09E-05 4.68E-02 1.10E-02 8.44E-03 2.32E-02 2.98E-02 3.33E-02 4.01E-02

5.90E+01 2.09E-05 4.56E-02 1.09E-02 8.45E-03 2.27E-02 2.86E-02 3.21E-02 3.92E-02

6.24E+01 1.53E-05 4.43E-02 1.07E-02 8.45E-03 2.20E-02 2.70E-02 3.10E-02 3.82E-02

6.60E+01 8.45E-06 4.31E-02 1.05E-02 8.48E-03 2.13E-02 2.61E-02 2.95E-02 3.71E-02

6.99E+01 4.50E-06 4.17E-02 1.04E-02 8.50E-03 2.07E-02 2.50E-02 2.88E-02 3.58E-02

7.39E+01 2.31E-06 4.04E-02 1.02E-02 8.50E-03 2.00E-02 2.43E-02 2.76E-02 3.39E-02

7.82E+01 1.14E-06 3.91E-02 1.00E-02 8.51E-03 1.93E-02 2.34E-02 2.70E-02 3.21E-02

8.28E+01 5.41E-07 3.81E-02 9.90E-03 8.51E-03 1.87E-02 2.27E-02 2.63E-02 3.03E-02

8.76E+01 2.45E-07 3.70E-02 9.75E-03 8.55E-03 1.81E-02 2.19E-02 2.56E-02 2.92E-02

9.27E+01 1.06E-07 3.59E-02 9.60E-03 8.55E-03 1.76E-02 2.11E-02 2.46E-02 2.82E-02

9.81E+01 4.39E-08 3.48E-02 9.46E-03 8.55E-03 1.72E-02 2.04E-02 2.38E-02 2.72E-02

1.00E+02 3.23E-08 3.45E-02 9.42E-03 8.52E-03 1.69E-02 2.01E-02 2.36E-02 2.69E-02

1.04E+02 1.72E-08 3.37E-02 9.33E-03 8.55E-03 1.67E-02 1.97E-02 2.28E-02 2.62E-02

1.10E+02 6.39E-09 3.25E-02 9.20E-03 8.54E-03 1.64E-02 1.91E-02 2.17E-02 2.52E-02

1.16E+02 2.24E-09 3.13E-02 9.08E-03 8.53E-03 1.60E-02 1.84E-02 2.11E-02 2.42E-02

1.23E+02 7.38E-10 3.01E-02 8.96E-03 8.55E-03 1.56E-02 1.79E-02 2.05E-02 2.32E-02

1.30E+02 2.28E-10 2.89E-02 8.85E-03 8.59E-03 1.50E-02 1.73E-02 1.98E-02 2.28E-02

1.38E+02 6.58E-11 2.77E-02 8.74E-03 8.56E-03 1.47E-02 1.67E-02 1.92E-02 2.16E-02

1.46E+02 1.77E-11 2.64E-02 8.63E-03 8.54E-03 1.42E-02 1.62E-02 1.85E-02 2.03E-02

1.54E+02 4.39E-12 2.51E-02 8.54E-03 8.55E-03 1.36E-02 1.56E-02 1.79E-02 1.95E-02

1.63E+02 1.01E-12 2.39E-02 8.45E-03 8.58E-03 1.31E-02 1.52E-02 1.76E-02 1.88E-02

1.73E+02 2.12E-13 2.26E-02 8.37E-03 8.54E-03 1.30E-02 1.49E-02 1.67E-02 1.81E-02

1.83E+02 4.06E-14 2.13E-02 8.30E-03 8.58E-03 1.28E-02 1.45E-02 1.60E-02 1.72E-02

1.94E+02 7.09E-15 2.00E-02 8.24E-03 8.63E-03 1.26E-02 1.42E-02 1.55E-02 1.66E-02

2.05E+02 1.12E-15 1.88E-02 8.18E-03 8.66E-03 1.23E-02 1.37E-02 1.50E-02 1.58E-02

2.17E+02 1.58E-16 1.76E-02 8.12E-03 8.64E-03 1.21E-02 1.34E-02 1.45E-02 1.52E-02

2.29E+02 2.00E-17 1.69E-02 8.06E-03 8.63E-03 1.19E-02 1.32E-02 1.38E-02 1.49E-02

2.43E+02 2.24E-18 1.64E-02 7.99E-03 8.65E-03 1.17E-02 1.30E-02 1.34E-02 1.46E-02

2.57E+02 2.21E-19 1.59E-02 7.90E-03 8.64E-03 1.17E-02 1.24E-02 1.32E-02 1.42E-02

2.72E+02	0.00E+00	1.53E-02	7.81E-03	8.59E-03	1.16E-02	1.22E-02	1.29E-02	1.39E-02

2.88E+02 0.00E+00 1.48E-02 7.72E-03 8.45E-03 1.15E-02 1.21E-02 1.28E-02 1.36E-02

3.00E+02 0.00E+00 1.45E-02 7.66E-03 8.31E-03 1.14E-02 1.20E-02 1.27E-02 1.34E-02

3.05E+02	0.00E+00	1.45E-02	7.64E-03	8.29E-03	1.14E-02	1.20E-02	1.27E-02	1.33E-02

3.22E+02 0.00E+00 1.43E-02 7.56E-03 8.17E-03 1.14E-02 1.18E-02 1.25E-02 1.32E-02

3.41E+02	0.00E+00	1.41E-02	7.48E-03	8.11E-03	1.14E-02	1.17E-02	1.24E-02	1.30E-02

3.61E+02	0.00E+00	1.38E-02	7.39E-03	8.00E-03	1.13E-02	1.17E-02	1.22E-02	1.29E-02

3.82E+02	0.00E+00	1.36E-02	7.31E-03	7.96E-03	1.13E-02	1.15E-02	1.19E-02	1.26E-02

4.04E+02	0.00E+00	1.34E-02	7.22E-03	7.84E-03	1.13E-02	1.15E-02	1.17E-02	1.23E-02

4.28E+02	0.00E+00	1.31E-02	7.13E-03	7.79E-03	1.13E-02	1.14E-02	1.16E-02	1.21E-02

4.53E+02 0.00E+00 1.29E-02 7.04E-03 7.75E-03 1.13E-02 1.14E-02 1.15E-02 1.18E-02

4.79E+02 0.00E+00 1.26E-02 6.95E-03 7.67E-03 1.13E-02 1.13E-02 1.15E-02 1.16E-02

5.07E+02	0.00E+00	1.23E-02	6.84E-03	7.66E-03	1.12E-02	1.13E-02	1.14E-02	1.14E-02

5.36E+02 0.00E+00 1.21E-02 6.73E-03 7.58E-03 1.12E-02 1.13E-02 1.13E-02 1.14E-02

5.68E+02 0.00E+00 1.18E-02 6.63E-03 7.53E-03 1.12E-02 1.13E-02 1.13E-02 1.13E-02

6.01E+02	0.00E+00	1.15E-02	6.54E-03	7.47E-03	1.11E-02	1.12E-02	1.13E-02	1.13E-02

6.36E+02	0.00E+00	1.13E-02	6.44E-03	7.37E-03	1.11E-02	1.12E-02	1.13E-02	1.13E-02

6.73E+02	0.00E+00	1.13E-02	6.33E-03	7.25E-03	1.11E-02	1.12E-02	1.12E-02	1.13E-02

7.12E+02	0.00E+00	1.13E-02	6.20E-03	7.10E-03	1.10E-02	1.12E-02	1.13E-02

7.53E+02	0.00E+00	1.13E-02	6.08E-03	6.90E-03	1.10E-02	1.11E-02	1.12E-02	1.12E-02

7.97E+02	0.00E+00	1.12E-02	5.96E-03	6.74E-03	1.09E-02	1.11E-02	1.12E-02	1.12E-02

8.44E+02 0.00E+00 1.12E-02 5.83E-03 6.62E-03 1.09E-02 1.11E-02 1.12E-02 1.12E-02

8.93E+02 0.00E+00 1.12E-02 5.70E-03 6.26E-03 1.09E-02 1.11E-02 1.12E-02 1.12E-02

9.45E+02	0.00E+00	1.12E-02	5.55E-03	6.00E-03	1.09E-02	1.11E-02	1.12E-02

1.00E+03	0.00E+00	1.12E-02	5.40E-03	5.75E-03	1.08E-02	1.10E-02	1.11E-02	1.12E-02

Probabilistic results summary : RESRAD Default Parameters

File : C:\USERS\DNF\DOCUMENTS\FT CALHOUN\RESRAD INPUT FILES\BFM INSITU UNCERTAINTY ANALYSIS\FCS BFM INSITU UA NI-59.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	2.27E-05	6.91E-01	2.32E-02	8.09E-03	4.56E-02	9.76E-02	1.67E-01	2.86E-01
1.00E+00	2.27E-05	5.97E-01	2.24E-02	8.09E-03	4.52E-02	9.61E-02	1.61E-01	2.74E-01
1.06E+00	2.27E-05	5.91E-01	2.24E-02	8.10E-03	4.52E-02	9.60E-02	1.61E-01	2.73E-01
1.12E+00	2.27E-05	5.86E-01	2.23E-02	8.10E-03	4.51E-02	9.59E-02	1.61E-01	2.73E-01
1.19E+00	2.27E-05	5.80E-01	2.23E-02	8.11E-03	4.51E-02	9.58E-02	1.60E-01	2.72E-01
1.25E+00	2.27E-05	5.75E-01	2.22E-02	8.12E-03	4.51E-02	9.57E-02	1.60E-01	2.71E-01
1.33E+00	2.27E-05	5.68E-01	2.22E-02	8.13E-03	4.51E-02	9.56E-02	1.59E-01	2.70E-01
1.40E+00	2.27E-05	5.62E-01	2.21E-02	8.13E-03	4.50E-02	9.55E-02	1.59E-01	2.69E-01
1.49E+00	2.27E-05	5.55E-01	2.21E-02	8.13E-03	4.50E-02	9.54E-02	1.59E-01	2.69E-01
1.57E+00	2.27E-05	5.48E-01	2.20E-02	8.14E-03	4.50E-02	9.53E-02	1.58E-01	2.68E-01
1.66E+00	2.27E-05	5.41E-01	2.19E-02	8.14E-03	4.49E-02	9.52E-02	1.58E-01	2.67E-01
1.76E+00	2.27E-05	5.33E-01	2.19E-02	8.15E-03	4.49E-02	9.50E-02	1.57E-01	2.66E-01
1.86E+00	2.27E-05	5.25E-01	2.18E-02	8.15E-03	4.49E-02	9.49E-02	1.56E-01	2.64E-01
1.97E+00	2.27E-05	5.17E-01	2.17E-02	8.15E-03	4.48E-02	9.47E-02	1.56E-01	2.63E-01
2.09E+00	2.27E-05	5.08E-01	2.16E-02	8.15E-03	4.48E-02	9.46E-02	1.55E-01	2.62E-01
2.21E+00	2.27E-05	4.99E-01	2.16E-02	8.16E-03	4.47E-02	9.44E-02	1.54E-01	2.61E-01
2.34E+00	2.27E-05	4.90E-01	2.15E-02	8.16E-03	4.47E-02	9.42E-02	1.54E-01	2.59E-01
2.47E+00	2.27E-05	4.80E-01	2.14E-02	8.16E-03	4.46E-02	9.40E-02	1.53E-01	2.58E-01
2.62E+00	2.27E-05	4.70E-01	2.13E-02	8.17E-03	4.46E-02	9.38E-02	1.52E-01	2.56E-01
2.77E+00	2.27E-05	4.59E-01	2.12E-02	8.17E-03	4.45E-02	9.36E-02	1.51E-01	2.55E-01
2.93E+00	2.27E-05	4.49E-01	2.11E-02	8.18E-03	4.44E-02	9.34E-02	1.50E-01	2.53E-01
3.00E+00	2.27E-05	4.44E-01	2.11E-02	8.18E-03	4.44E-02	9.33E-02	1.50E-01	2.52E-01
3.10E+00	2.27E-05	4.37E-01	2.10E-02	8.18E-03	4.44E-02	9.31E-02	1.50E-01	2.51E-01
3.28E+00	2.27E-05	4.26E-01	2.09E-02	8.18E-03	4.43E-02	9.29E-02	1.49E-01	2.50E-01
3.48E+00	2.27E-05	4.14E-01	2.08E-02	8.18E-03	4.42E-02	9.26E-02	1.48E-01	2.48E-01
3.68E+00	2.27E-05	4.02E-01	2.07E-02	8.18E-03	4.42E-02	9.23E-02	1.46E-01	2.46E-01
3.89E+00	2.27E-05	3.89E-01	2.05E-02	8.18E-03	4.41E-02	9.20E-02	1.45E-01	2.43E-01
4.12E+00	2.27E-05	3.77E-01	2.04E-02	8.19E-03	4.40E-02	9.17E-02	1.44E-01	2.39E-01
4.36E+00	2.27E-05	3.64E-01	2.03E-02	8.19E-03	4.39E-02	9.13E-02	1.43E-01	2.29E-01
4.61E+00	2.27E-05	3.50E-01	2.02E-02	8.19E-03	4.38E-02	9.08E-02	1.42E-01	2.23E-01
4.88E+00	2.27E-05	3.37E-01	2.00E-02	8.19E-03	4.37E-02	9.02E-02	1.41E-01	2.20E-01
5.17E+00	2.27E-05	3.24E-01	1.99E-02	8.20E-03	4.36E-02	8.96E-02	1.40E-01	2.17E-01
5.47E+00	2.27E-05	3.19E-01	1.97E-02	8.20E-03	4.35E-02	8.90E-02	1.38E-01	2.13E-01
5.78E+00	2.27E-05	3.14E-01	1.96E-02	8.20E-03	4.34E-02	8.84E-02	1.37E-01	2.09E-01
6.12E+00	2.27E-05	3.09E-01	1.94E-02	8.21E-03	4.32E-02	8.77E-02	1.36E-01	2.06E-01
6.48E+00	2.27E-05	3.04E-01	1.92E-02	8.21E-03	4.31E-02	8.70E-02	1.35E-01	2.02E-01
6.86E+00	2.27E-05	2.99E-01	1.91E-02	8.21E-03	4.30E-02	8.62E-02	1.34E-01	1.98E-01
7.26E+00	2.27E-05	2.93E-01	1.89E-02	8.21E-03	4.28E-02	8.55E-02	1.32E-01	1.94E-01
7.68E+00	2.27E-05	2.87E-01	1.87E-02	8.21E-03	4.27E-02	8.46E-02	1.28E-01	1.89E-01
8.13E+00	2.27E-05	2.81E-01	1.85E-02	8.22E-03	4.25E-02	8.38E-02	1.23E-01	1.85E-01
8.60E+00	2.27E-05	2.75E-01	1.84E-02	8.22E-03	4.23E-02	8.29E-02	1.22E-01	1.76E-01
9.10E+00	2.27E-05	2.68E-01	1.82E-02	8.22E-03	4.22E-02	8.20E-02	1.20E-01	1.67E-01
9.63E+00	2.27E-05	2.61E-01	1.80E-02	8.22E-03	4.20E-02	8.10E-02	1.19E-01	1.58E-01
1.00E+01	2.27E-05	2.57E-01	1.78E-02	8.23E-03	4.18E-02	8.03E-02	1.18E-01	1.56E-01
1.02E+01	2.27E-05	2.54E-01	1.78E-02	8.23E-03	4.18E-02	7.99E-02	1.17E-01	1.54E-01
1.08E+01	2.27E-05	2.47E-01	1.76E-02	8.23E-03	4.16E-02	7.61E-02	1.14E-01	1.41E-01
1.14E+01	2.27E-05	2.40E-01	1.74E-02	8.23E-03	4.14E-02	7.51E-02	1.11E-01	1.31E-01
1.21E+01	2.27E-05	2.32E-01	1.72E-02	8.24E-03	4.12E-02	7.47E-02	1.08E-01	1.24E-01
1.28E+01	2.27E-05	2.24E-01	1.70E-02	8.25E-03	4.11E-02	7.43E-02	1.05E-01	1.21E-01
1.35E+01	2.27E-05	2.16E-01	1.68E-02	8.26E-03	4.09E-02	7.37E-02	1.02E-01	1.17E-01
1.43E+01	2.27E-05	2.08E-01	1.65E-02	8.27E-03	4.06E-02	7.24E-02	9.59E-02	1.14E-01
1.51E+01	2.27E-05	2.00E-01	1.63E-02	8.27E-03	3.99E-02	7.10E-02	9.13E-02	1.11E-01
1.60E+01	2.27E-05	1.92E-01	1.61E-02	8.27E-03	3.96E-02	6.50E-02	8.89E-02	1.09E-01
1.70E+01	2.27E-05	1.83E-01	1.59E-02	8.31E-03	3.93E-02	6.32E-02	8.72E-02	1.07E-01
1.80E+01	2.27E-05	1.75E-01	1.57E-02	8.32E-03	3.90E-02	6.25E-02	8.56E-02	1.05E-01
1.90E+01	2.27E-05	1.66E-01	1.54E-02	8.33E-03	3.86E-02	5.96E-02	8.28E-02	1.03E-01

2.01E+01 2.27E-05 1.58E-01 1.52E-02 8.34E-03 3.76E-02 5.94E-02 7.95E-02 9.73E-02

2.13E+01 2.27E-05 1.49E-01 1.50E-02 8.36E-03 3.72E-02 5.71E-02 7.63E-02 9.16E-02

2.25E+01 2.27E-05 1.40E-01 1.48E-02 8.37E-03 3.68E-02 5.41E-02 7.43E-02 8.96E-02

2.38E+01 2.27E-05 1.32E-01 1.45E-02 8.32E-03 3.62E-02 5.24E-02 7.23E-02 8.76E-02

2.52E+01 2.27E-05 1.23E-01 1.43E-02 8.33E-03 3.59E-02 5.14E-02 7.08E-02 8.55E-02

2.67E+01 2.27E-05 1.15E-01 1.41E-02 8.35E-03 3.55E-02 4.98E-02 6.79E-02 8.34E-02

2.82E+01 2.27E-05 1.06E-01 1.39E-02 8.38E-03 3.50E-02 4.78E-02 6.50E-02 7.90E-02

2.99E+01	2.27E-05	9.83E-02	1.36E-02	8.40E-03	3.38E-02	4.62E-02	6.23E-02	7.55E-02

3.00E+01	2.27E-05	9.77E-02	1.36E-02	8.36E-03	3.38E-02	4.61E-02	6.21E-02	7.53E-02

3.16E+01 2.27E-05 9.03E-02 1.34E-02 8.38E-03 3.24E-02 4.49E-02 5.99E-02 7.31E-02

3.35E+01 2.27E-05 8.26E-02 1.32E-02 8.39E-03 3.19E-02 4.35E-02 5.71E-02 7.05E-02

3.54E+01 2.27E-05 7.82E-02 1.30E-02 8.39E-03 3.13E-02 4.20E-02 5.54E-02 6.79E-02

3.75E+01 2.27E-05 7.55E-02 1.27E-02 8.38E-03 3.02E-02 4.03E-02 5.40E-02 6.23E-02

3.97E+01 2.27E-05 7.27E-02 1.25E-02 8.39E-03 2.92E-02 3.91E-02 5.13E-02 6.12E-02

4.20E+01 2.27E-05 6.99E-02 1.23E-02 8.41E-03 2.85E-02 3.76E-02 4.81E-02 5.51E-02

4.44E+01 2.27E-05 6.70E-02 1.21E-02 8.43E-03 2.75E-02 3.58E-02 4.64E-02 5.29E-02

4.70E+01 2.27E-05 6.41E-02 1.19E-02 8.44E-03 2.67E-02 3.44E-02 4.24E-02 5.21E-02

4.97E+01 2.27E-05 6.12E-02 1.17E-02 8.45E-03 2.60E-02 3.29E-02 3.92E-02 5.13E-02

5.26E+01 2.27E-05 5.82E-02 1.15E-02 8.46E-03 2.53E-02 3.18E-02 3.81E-02 4.91E-02

5.57E+01 2.27E-05 5.52E-02 1.13E-02 8.47E-03 2.49E-02 2.97E-02 3.67E-02 4.64E-02

5.90E+01 1.97E-05 5.32E-02 1.11E-02 8.45E-03 2.41E-02 2.89E-02 3.55E-02 4.36E-02

6.24E+01 1.09E-05 5.19E-02 1.09E-02 8.47E-03 2.28E-02 2.79E-02 3.39E-02 4.09E-02

6.60E+01 5.85E-06 5.06E-02 1.07E-02 8.47E-03 2.19E-02 2.72E-02 3.28E-02 3.82E-02

6.99E+01 0.00E+00 4.91E-02 1.05E-02 8.49E-03 2.13E-02 2.54E-02 3.17E-02 3.55E-02

7.39E+01 0.00E+00 4.77E-02 1.03E-02 8.51E-03 2.02E-02 2.50E-02 3.07E-02 3.32E-02

7.82E+01 0.00E+00 4.62E-02 1.01E-02 8.53E-03 1.96E-02 2.38E-02 2.91E-02 3.24E-02

8.28E+01 0.00E+00 4.47E-02 9.96E-03 8.52E-03 1.87E-02 2.29E-02 2.75E-02 3.15E-02

8.76E+01 0.00E+00 4.31E-02 9.80E-03 8.51E-03 1.81E-02 2.22E-02 2.62E-02 2.91E-02

9.27E+01 0.00E+00 4.16E-02 9.64E-03 8.55E-03 1.77E-02 2.15E-02 2.50E-02 2.83E-02

9.81E+01 0.00E+00 3.99E-02 9.48E-03 8.57E-03 1.70E-02 2.09E-02 2.38E-02 2.72E-02

1.00E+02 0.00E+00 3.94E-02 9.43E-03 8.59E-03 1.68E-02 2.05E-02 2.33E-02 2.69E-02

1.04E+02 0.00E+00 3.83E-02 9.33E-03 8.62E-03 1.66E-02 2.02E-02 2.26E-02 2.63E-02

1.10E+02 0.00E+00 3.66E-02 9.19E-03 8.63E-03 1.63E-02 1.97E-02 2.17E-02 2.51E-02

1.16E+02 0.00E+00 3.51E-02 9.05E-03 8.60E-03 1.54E-02 1.89E-02 2.05E-02 2.43E-02

1.23E+02 0.00E+00 3.37E-02 8.92E-03 8.56E-03 1.50E-02 1.81E-02 2.00E-02 2.39E-02

1.30E+02	0.00E+00	3.24E-02	8.80E-03	8.54E-03	1.47E-02	1.71E-02	1.95E-02	2.34E-02

1.38E+02 0.00E+00 3.10E-02 8.68E-03 8.56E-03 1.44E-02 1.65E-02 1.90E-02 2.29E-02

1.46E+02 0.00E+00 2.96E-02 8.57E-03 8.58E-03 1.42E-02 1.61E-02 1.84E-02 2.24E-02

1.54E+02 0.00E+00 2.82E-02 8.48E-03 8.59E-03 1.38E-02 1.57E-02 1.77E-02 2.15E-02

1.63E+02 0.00E+00 2.68E-02 8.38E-03 8.54E-03 1.33E-02 1.53E-02 1.72E-02 2.05E-02

1.73E+02 0.00E+00 2.54E-02 8.30E-03 8.57E-03 1.30E-02 1.49E-02 1.66E-02 1.94E-02

1.83E+02	0.00E+00	2.39E-02	8.22E-03	8.55E-03	1.28E-02	1.44E-02	1.60E-02	1.84E-02

1.94E+02	0.00E+00	2.25E-02	8.15E-03	8.55E-03	1.26E-02	1.41E-02	1.54E-02	1.75E-02

2.05E+02 0.00E+00 2.11E-02 8.08E-03 8.53E-03 1.24E-02 1.38E-02 1.50E-02 1.73E-02

2.17E+02 0.00E+00 1.97E-02 8.02E-03 8.55E-03 1.23E-02 1.35E-02 1.46E-02 1.67E-02

2.29E+02	0.00E+00	1.83E-02	7.96E-03	8.54E-03	1.22E-02	1.32E-02	1.43E-02	1.59E-02

2.43E+02 0.00E+00 1.70E-02 7.89E-03 8.53E-03 1.20E-02 1.29E-02 1.37E-02 1.51E-02

2.57E+02 0.00E+00 1.60E-02 7.83E-03 8.58E-03 1.18E-02 1.25E-02 1.34E-02 1.43E-02

2.72E+02 0.00E+00 1.58E-02 7.75E-03 8.51E-03 1.17E-02 1.22E-02 1.32E-02 1.42E-02

2.88E+02	0.00E+00	1.55E-02	7.68E-03	8.39E-03	1.15E-02	1.21E-02	1.28E-02	1.38E-02

3.00E+02	0.00E+00	1.51E-02	7.63E-03	8.37E-03	1.15E-02	1.20E-02	1.27E-02	1.35E-02

3.05E+02	0.00E+00	1.50E-02	7.61E-03	8.36E-03	1.14E-02	1.19E-02	1.27E-02	1.34E-02

3.22E+02	0.00E+00	1.44E-02	7.55E-03	8.34E-03	1.14E-02	1.18E-02	1.25E-02	1.32E-02

3.41E+02	0.00E+00	1.38E-02	7.47E-03	8.33E-03	1.14E-02	1.17E-02	1.22E-02	1.27E-02

3.61E+02	0.00E+00	1.34E-02	7.39E-03	8.32E-03	1.13E-02	1.16E-02	1.21E-02	1.24E-02

3.82E+02	0.00E+00	1.32E-02	7.30E-03	8.21E-03	1.13E-02	1.15E-02	1.19E-02	1.23E-02

4.04E+02	0.00E+00	1.31E-02	7.21E-03	8.16E-03	1.13E-02	1.14E-02	1.18E-02	1.22E-02

4.28E+02	0.00E+00	1.29E-02	7.13E-03	8.09E-03	1.13E-02	1.14E-02	1.16E-02	1.19E-02

4.53E+02 0.00E+00 1.27E-02 7.02E-03 8.01E-03 1.13E-02 1.13E-02 1.15E-02 1.17E-02

4.79E+02 0.00E+00 1.25E-02 6.93E-03 7.92E-03 1.12E-02 1.13E-02 1.14E-02 1.17E-02

5.07E+02	0.00E+00	1.23E-02	6.85E-03	7.79E-03	1.12E-02	1.13E-02	1.16E-02

5.36E+02 0.00E+00 1.20E-02 6.75E-03 7.64E-03 1.12E-02 1.13E-02 1.13E-02 1.17E-02

5.68E+02	0.00E+00	1.18E-02	6.64E-03	7.57E-03	1.11E-02	1.12E-02	1.13E-02	1.16E-02

6.01E+02	0.00E+00	1.16E-02	6.53E-03	7.44E-03	1.11E-02	1.12E-02	1.13E-02	1.14E-02

6.36E+02	0.00E+00	1.14E-02	6.42E-03	7.30E-03	1.10E-02	1.12E-02	1.13E-02	1.13E-02

6.73E+02	0.00E+00	1.13E-02	6.30E-03	7.13E-03	1.10E-02	1.12E-02	1.12E-02	1.13E-02

7.12E+02	0.00E+00	1.13E-02	6.19E-03	7.06E-03	1.10E-02	1.12E-02	1.12E-02	1.12E-02

7.53E+02	0.00E+00	1.13E-02	6.08E-03	6.89E-03	1.09E-02	1.11E-02	1.12E-02	1.12E-02

7.97E+02	0.00E+00	1.13E-02	5.95E-03	6.71E-03	1.09E-02	1.11E-02	1.12E-02	1.12E-02

8.44E+02	0.00E+00	1.12E-02	5.81E-03	6.52E-03	1.08E-02	1.11E-02	1.12E-02	1.12E-02

8.93E+02	0.00E+00	1.12E-02	5.67E-03	6.23E-03	1.07E-02	1.11E-02	1.12E-02	1.12E-02

9.45E+02	0.00E+00	1.12E-02	5.53E-03	5.98E-03	1.07E-02	1.11E-02	1.11E-02	1.12E-02

1.00E+03	0.00E+00	1.12E-02	5.37E-03	5.80E-03	1.07E-02	1.10E-02	1.11E-02	1.12E-02

Probabilistic results summary : RESRAD Default Parameters

File : C:\USERS\DNF\DOCUMENTS\FT CALHOUN\RESRAD INPUT FILES\BFM INSITU UNCERTAINTY ANALYSIS\FCS BFM INSITU UA NI-59.RAD

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	1.03E-05	5.86E-01	2.33E-02	8.21E-03	4.33E-02	8.77E-02	1.67E-01	3.76E-01
1.00E+00	1.03E-05	5.02E-01	2.25E-02	8.22E-03	4.29E-02	8.67E-02	1.61E-01	3.50E-01
1.06E+00	1.03E-05	4.97E-01	2.24E-02	8.22E-03	4.29E-02	8.66E-02	1.60E-01	3.49E-01
1.12E+00	1.03E-05	4.93E-01	2.24E-02	8.22E-03	4.29E-02	8.65E-02	1.60E-01	3.47E-01
1.19E+00	1.03E-05	4.88E-01	2.23E-02	8.22E-03	4.28E-02	8.64E-02	1.59E-01	3.46E-01
1.25E+00	1.03E-05	4.82E-01	2.23E-02	8.22E-03	4.28E-02	8.63E-02	1.59E-01	3.44E-01
1.33E+00	1.03E-05	4.77E-01	2.22E-02	8.22E-03	4.28E-02	8.62E-02	1.59E-01	3.42E-01
1.40E+00	1.03E-05	4.71E-01	2.22E-02	8.22E-03	4.28E-02	8.60E-02	1.58E-01	3.40E-01
1.49E+00	1.03E-05	4.65E-01	2.21E-02	8.22E-03	4.27E-02	8.59E-02	1.58E-01	3.38E-01
1.57E+00	1.03E-05	4.59E-01	2.21E-02	8.22E-03	4.27E-02	8.58E-02	1.57E-01	3.33E-01
1.66E+00	1.03E-05	4.52E-01	2.20E-02	8.22E-03	4.27E-02	8.56E-02	1.57E-01	3.28E-01
1.76E+00	1.03E-05	4.46E-01	2.19E-02	8.22E-03	4.26E-02	8.54E-02	1.57E-01	3.23E-01
1.86E+00	1.03E-05	4.38E-01	2.18E-02	8.22E-03	4.26E-02	8.52E-02	1.56E-01	3.18E-01
1.97E+00	1.03E-05	4.31E-01	2.18E-02	8.22E-03	4.26E-02	8.49E-02	1.56E-01	3.16E-01
2.09E+00	1.03E-05	4.23E-01	2.17E-02	8.22E-03	4.25E-02	8.46E-02	1.55E-01	3.13E-01
2.21E+00	1.03E-05	4.15E-01	2.16E-02	8.22E-03	4.25E-02	8.43E-02	1.55E-01	3.10E-01
2.34E+00	1.03E-05	4.10E-01	2.15E-02	8.22E-03	4.24E-02	8.41E-02	1.54E-01	3.07E-01
2.47E+00	1.03E-05	4.06E-01	2.14E-02	8.23E-03	4.24E-02	8.40E-02	1.53E-01	3.04E-01
2.62E+00	1.03E-05	4.02E-01	2.13E-02	8.24E-03	4.23E-02	8.38E-02	1.53E-01	3.01E-01
2.77E+00	1.03E-05	3.97E-01	2.12E-02	8.24E-03	4.23E-02	8.37E-02	1.52E-01	2.98E-01
2.93E+00	1.03E-05	3.93E-01	2.11E-02	8.24E-03	4.22E-02	8.35E-02	1.51E-01	2.94E-01
3.00E+00	1.03E-05	3.91E-01	2.11E-02	8.24E-03	4.22E-02	8.34E-02	1.51E-01	2.93E-01
3.10E+00	1.03E-05	3.88E-01	2.10E-02	8.24E-03	4.22E-02	8.32E-02	1.51E-01	2.91E-01
3.28E+00	1.03E-05	3.83E-01	2.09E-02	8.25E-03	4.21E-02	8.30E-02	1.50E-01	2.87E-01
3.48E+00	1.03E-05	3.77E-01	2.08E-02	8.26E-03	4.20E-02	8.27E-02	1.49E-01	2.83E-01
3.68E+00	1.03E-05	3.72E-01	2.07E-02	8.27E-03	4.20E-02	8.23E-02	1.48E-01	2.79E-01
3.89E+00	1.03E-05	3.66E-01	2.06E-02	8.28E-03	4.19E-02	8.20E-02	1.47E-01	2.75E-01
4.12E+00	1.03E-05	3.60E-01	2.04E-02	8.28E-03	4.18E-02	8.16E-02	1.46E-01	2.70E-01
4.36E+00	1.03E-05	3.54E-01	2.03E-02	8.28E-03	4.17E-02	8.13E-02	1.45E-01	2.65E-01
4.61E+00	1.03E-05	3.48E-01	2.02E-02	8.28E-03	4.16E-02	8.09E-02	1.44E-01	2.61E-01
4.88E+00	1.03E-05	3.41E-01	2.00E-02	8.28E-03	4.16E-02	8.05E-02	1.43E-01	2.56E-01
5.17E+00	1.03E-05	3.34E-01	1.99E-02	8.29E-03	4.15E-02	8.00E-02	1.42E-01	2.50E-01
5.47E+00	1.03E-05	3.27E-01	1.97E-02	8.29E-03	4.14E-02	7.96E-02	1.41E-01	2.45E-01
5.78E+00	1.03E-05	3.19E-01	1.96E-02	8.31E-03	4.13E-02	7.91E-02	1.39E-01	2.39E-01
6.12E+00	1.03E-05	3.11E-01	1.94E-02	8.31E-03	4.11E-02	7.86E-02	1.38E-01	2.34E-01
6.48E+00	1.03E-05	3.04E-01	1.92E-02	8.31E-03	4.10E-02	7.80E-02	1.36E-01	2.28E-01
6.86E+00	1.03E-05	2.95E-01	1.91E-02	8.32E-03	4.09E-02	7.75E-02	1.31E-01	2.21E-01
7.26E+00	1.03E-05	2.87E-01	1.89E-02	8.32E-03	4.07E-02	7.70E-02	1.27E-01	2.15E-01
7.68E+00	1.03E-05	2.78E-01	1.87E-02	8.32E-03	4.06E-02	7.65E-02	1.25E-01	2.09E-01
8.13E+00	1.03E-05	2.69E-01	1.85E-02	8.32E-03	4.04E-02	7.60E-02	1.24E-01	2.02E-01
8.60E+00	1.03E-05	2.60E-01	1.83E-02	8.32E-03	4.02E-02	7.54E-02	1.22E-01	1.95E-01
9.10E+00	1.03E-05	2.51E-01	1.81E-02	8.33E-03	4.00E-02	7.49E-02	1.21E-01	1.88E-01
9.63E+00	1.03E-05	2.41E-01	1.79E-02	8.33E-03	3.98E-02	7.43E-02	1.19E-01	1.81E-01
1.00E+01	1.03E-05	2.35E-01	1.78E-02	8.34E-03	3.97E-02	7.38E-02	1.18E-01	1.76E-01
1.02E+01	1.03E-05	2.32E-01	1.77E-02	8.34E-03	3.96E-02	7.27E-02	1.16E-01	1.74E-01
1.08E+01	1.03E-05	2.22E-01	1.75E-02	8.35E-03	3.94E-02	7.15E-02	1.10E-01	1.67E-01
1.14E+01	1.03E-05	2.12E-01	1.73E-02	8.35E-03	3.92E-02	7.06E-02	1.07E-01	1.59E-01
1.21E+01	1.03E-05	2.02E-01	1.70E-02	8.36E-03	3.90E-02	6.97E-02	1.05E-01	1.52E-01
1.28E+01	1.03E-05	1.92E-01	1.68E-02	8.36E-03	3.88E-02	6.88E-02	1.02E-01	1.48E-01
1.35E+01	1.03E-05	1.82E-01	1.66E-02	8.37E-03	3.84E-02	6.78E-02	9.99E-02	1.41E-01
1.43E+01	1.03E-05	1.72E-01	1.64E-02	8.37E-03	3.79E-02	6.28E-02	9.74E-02	1.34E-01
1.51E+01	1.03E-05	1.62E-01	1.61E-02	8.38E-03	3.74E-02	6.16E-02	9.44E-02	1.26E-01
1.60E+01	1.03E-05	1.52E-01	1.59E-02	8.38E-03	3.70E-02	6.11E-02	9.07E-02	1.18E-01
1.70E+01	1.03E-05	1.45E-01	1.57E-02	8.40E-03	3.67E-02	6.05E-02	8.80E-02	1.10E-01
1.80E+01	1.03E-05	1.39E-01	1.55E-02	8.41E-03	3.62E-02	6.00E-02	8.57E-02	1.04E-01
1.90E+01	1.03E-05	1.33E-01	1.52E-02	8.41E-03	3.58E-02	5.90E-02	8.22E-02	1.02E-01

2.01E+01 1.03E-05 1.26E-01 1.50E-02 8.41E-03 3.55E-02 5.73E-02 7.85E-02 9.40E-02

2.13E+01 1.03E-05 1.20E-01 1.47E-02 8.41E-03 3.51E-02 5.55E-02 7.48E-02 8.65E-02

2.25E+01 1.03E-05 1.13E-01 1.45E-02 8.39E-03 3.46E-02 5.37E-02 7.07E-02 8.07E-02

2.38E+01 1.03E-05 1.07E-01 1.43E-02 8.39E-03 3.43E-02 5.23E-02 6.70E-02 7.80E-02

2.52E+01 1.03E-05 1.01E-01 1.40E-02 8.40E-03 3.39E-02 5.04E-02 6.32E-02 7.60E-02

2.67E+01 1.03E-05 9.43E-02 1.38E-02 8.41E-03 3.35E-02 4.92E-02 5.81E-02 7.01E-02

2.82E+01 1.03E-05 8.96E-02 1.36E-02 8.41E-03 3.32E-02 4.78E-02 5.57E-02 6.57E-02

2.99E+01 1.03E-05 8.50E-02 1.34E-02 8.41E-03 3.28E-02 4.53E-02 5.39E-02 6.28E-02

3.00E+01 1.03E-05 8.46E-02 1.33E-02 8.42E-03 3.28E-02 4.52E-02 5.37E-02 6.27E-02

3.16E+01 1.03E-05 8.03E-02 1.31E-02 8.44E-03 3.24E-02 4.39E-02 5.00E-02 6.16E-02

3.35E+01 1.03E-05 7.57E-02 1.29E-02 8.45E-03 3.16E-02 4.25E-02 4.75E-02 6.04E-02

3.54E+01 1.03E-05 7.16E-02 1.27E-02 8.46E-03 3.05E-02 4.04E-02 4.55E-02 5.91E-02

3.75E+01	1.03E-05	6.85E-02	1.25E-02	8.47E-03	2.96E-02	3.94E-02	4.35E-02	5.79E-02

3.97E+01 1.03E-05 6.54E-02 1.22E-02 8.48E-03 2.84E-02 3.78E-02 4.17E-02 5.37E-02

4.20E+01 1.03E-05 6.22E-02 1.20E-02 8.49E-03 2.74E-02 3.67E-02 4.01E-02 5.19E-02

4.44E+01 1.03E-05 5.91E-02 1.18E-02 8.50E-03 2.59E-02 3.48E-02 3.83E-02 5.02E-02

4.70E+01 1.03E-05 5.59E-02 1.16E-02 8.52E-03 2.55E-02 3.27E-02 3.74E-02 4.84E-02

4.97E+01 1.03E-05 5.27E-02 1.14E-02 8.53E-03 2.52E-02 3.06E-02 3.49E-02 4.47E-02

5.26E+01 1.03E-05 4.95E-02 1.12E-02 8.52E-03 2.45E-02 2.97E-02 3.37E-02 4.33E-02

5.57E+01 1.03E-05 4.77E-02 1.10E-02 8.50E-03 2.39E-02 2.89E-02 3.26E-02 4.21E-02

5.90E+01 1.31E-05 4.61E-02 1.08E-02 8.53E-03 2.33E-02 2.74E-02 3.15E-02 3.99E-02

6.24E+01 7.13E-06 4.44E-02 1.07E-02 8.56E-03 2.26E-02 2.63E-02 3.00E-02 3.74E-02

6.60E+01 3.75E-06 4.27E-02 1.05E-02 8.58E-03 2.19E-02 2.55E-02 2.89E-02 3.49E-02

6.99E+01 1.90E-06 4.10E-02 1.03E-02 8.60E-03 2.09E-02 2.45E-02 2.80E-02 3.41E-02

7.39E+01 9.25E-07 3.93E-02 1.01E-02 8.63E-03 2.01E-02 2.36E-02 2.74E-02 3.17E-02

7.82E+01 4.32E-07 3.75E-02 9.97E-03 8.63E-03 1.94E-02 2.28E-02 2.66E-02 3.08E-02

8.28E+01 1.93E-07 3.57E-02 9.80E-03 8.63E-03 1.83E-02 2.20E-02 2.54E-02 2.91E-02

8.76E+01 8.22E-08 3.39E-02 9.65E-03 8.62E-03 1.77E-02 2.11E-02 2.41E-02 2.72E-02

9.27E+01 3.33E-08 3.21E-02 9.50E-03 8.61E-03 1.73E-02 2.05E-02 2.34E-02 2.55E-02

9.81E+01 1.28E-08 3.04E-02 9.35E-03 8.61E-03 1.69E-02 1.96E-02 2.26E-02 2.48E-02

1.00E+02 9.22E-09 2.98E-02 9.30E-03 8.63E-03 1.68E-02 1.93E-02 2.25E-02 2.46E-02

1.04E+02 4.67E-09 2.86E-02 9.21E-03 8.59E-03 1.63E-02 1.87E-02 2.19E-02 2.42E-02

1.10E+02 1.60E-09 2.68E-02 9.07E-03 8.57E-03 1.55E-02 1.81E-02 2.13E-02 2.36E-02

1.16E+02 5.16E-10 2.58E-02 8.94E-03 8.60E-03 1.51E-02 1.75E-02 2.07E-02 2.30E-02

1.23E+02 1.56E-10 2.48E-02 8.82E-03 8.61E-03 1.46E-02 1.69E-02 2.01E-02 2.23E-02

1.30E+02 4.39E-11 2.38E-02 8.70E-03 8.56E-03 1.44E-02 1.61E-02 1.96E-02 2.16E-02

1.38E+02 1.15E-11 2.27E-02 8.59E-03 8.61E-03 1.37E-02 1.57E-02 1.92E-02 2.10E-02

1.46E+02 2.77E-12 2.16E-02 8.48E-03 8.60E-03 1.34E-02 1.56E-02 1.81E-02 2.04E-02

1.54E+02 6.17E-13 2.06E-02 8.38E-03 8.60E-03 1.31E-02 1.50E-02 1.68E-02 1.97E-02

1.63E+02 1.26E-13 2.00E-02 8.30E-03 8.56E-03 1.28E-02 1.47E-02 1.62E-02 1.90E-02

1.73E+02 2.34E-14 1.97E-02 8.22E-03 8.58E-03 1.27E-02 1.42E-02 1.59E-02 1.83E-02

1.83E+02 3.94E-15 1.94E-02 8.15E-03 8.62E-03 1.25E-02 1.37E-02 1.56E-02 1.75E-02

1.94E+02 5.99E-16 1.91E-02 8.09E-03 8.52E-03 1.21E-02 1.36E-02 1.50E-02 1.68E-02

2.05E+02 8.15E-17 1.87E-02 8.03E-03 8.55E-03 1.20E-02 1.32E-02 1.47E-02 1.60E-02

2.17E+02	9.88E-18	1.83E-02	7.97E-03	8.48E-03	1.19E-02	1.31E-02	1.42E-02	1.54E-02

2.29E+02 1.06E-18 1.79E-02 7.90E-03 8.47E-03 1.17E-02 1.27E-02 1.36E-02 1.51E-02

2.43E+02	9.97E-20	1.75E-02	7.82E-03	8.46E-03	1.17E-02	1.26E-02	1.34E-02	1.48E-02

2.57E+02 0.00E+00 1.71E-02 7.74E-03 8.43E-03 1.16E-02 1.24E-02 1.31E-02 1.45E-02

2.72E+02 0.00E+00 1.66E-02 7.67E-03 8.35E-03 1.16E-02 1.21E-02 1.30E-02 1.39E-02

2.88E+02 0.00E+00 1.60E-02 7.60E-03 8.32E-03 1.15E-02 1.20E-02 1.27E-02 1.33E-02

3.00E+02	0.00E+00	1.54E-02	7.55E-03	8.31E-03	1.15E-02	1.20E-02	1.25E-02	1.32E-02

3.05E+02	0.00E+00	1.52E-02	7.54E-03	8.35E-03	1.15E-02	1.20E-02	1.26E-02	1.32E-02

3.22E+02	0.00E+00	1.57E-02	7.47E-03	8.29E-03	1.14E-02	1.19E-02	1.23E-02	1.30E-02

3.41E+02 0.00E+00 1.53E-02 7.40E-03 8.25E-03 1.14E-02 1.17E-02 1.22E-02 1.27E-02

3.61E+02	0.00E+00	1.48E-02	7.32E-03	8.26E-03	1.13E-02	1.15E-02	1.19E-02	1.25E-02

3.82E+02	0.00E+00	1.43E-02	7.25E-03	8.26E-03	1.13E-02	1.15E-02	1.18E-02	1.23E-02

4.04E+02	0.00E+00	1.37E-02	7.19E-03	8.17E-03	1.13E-02	1.14E-02	1.16E-02	1.21E-02

4.28E+02	0.00E+00	1.32E-02	7.11E-03	8.13E-03	1.13E-02	1.14E-02	1.15E-02	1.17E-02

4.53E+02	0.00E+00	1.27E-02	7.04E-03	8.09E-03	1.13E-02	1.13E-02	1.14E-02	1.17E-02

4.79E+02	0.00E+00	1.21E-02	6.94E-03	8.02E-03	1.12E-02	1.13E-02	1.13E-02	1.16E-02

5.07E+02	0.00E+00	1.19E-02	6.86E-03	8.00E-03	1.12E-02	1.13E-02	1.13E-02	1.14E-02

5.36E+02	0.00E+00	1.18E-02	6.77E-03	7.97E-03	1.12E-02	1.12E-02	1.13E-02	1.13E-02

5.68E+02	0.00E+00	1.17E-02	6.68E-03	7.81E-03	1.11E-02	1.12E-02	1.13E-02	1.13E-02

6.01E+02	0.00E+00	1.15E-02	6.59E-03	7.64E-03	1.11E-02	1.12E-02	1.13E-02	1.13E-02

6.36E+02 0.00E+00 1.14E-02 6.49E-03 7.50E-03 1.11E-02 1.12E-02 1.12E-02 1.13E-02

6.73E+02	0.00E+00	1.13E-02	6.39E-03	7.40E-03	1.10E-02	1.12E-02	1.12E-02	1.13E-02

7.12E+02	0.00E+00	1.13E-02	6.28E-03	7.28E-03	1.10E-02	1.12E-02	1.12E-02	1.12E-02

7.53E+02	0.00E+00	1.12E-02	6.16E-03	7.14E-03	1.09E-02	1.11E-02	1.12E-02	1.12E-02

7.97E+02	0.00E+00	1.12E-02	6.05E-03	6.88E-03	1.09E-02	1.11E-02	1.12E-02	1.12E-02

8.44E+02 0.00E+00 1.12E-02 5.92E-03 6.62E-03 1.08E-02 1.11E-02 1.12E-02 1.12E-02

8.93E+02	0.00E+00	1.12E-02	5.76E-03	6.41E-03	1.08E-02	1.11E-02	1.12E-02	1.12E-02

9.45E+02	0.00E+00	1.12E-02	5.61E-03	6.16E-03	1.08E-02	1.11E-02	1.12E-02	1.12E-02

1.00E+03	0.00E+00	1.12E-02	5.46E-03	5.96E-03	1.07E-02	1.10E-02	1.12E-02	1.12E-02

Probabilistic results summary : RESRAD Default Parameters

File : C:\USERS\DNF\DOCUMENTS\FT CALHOUN\RESRAD INPUT FILES\BFM INSITU UNCERTAINTY ANALYSIS\FCS BFM INSITU UA NI-59.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	2.267E-02
2	0.000E+00	2.318E-02
3	0.000E+00	2.326E-02

Title : RESRAD Default Parameters

Input File : FCS BFM INSITU UA NI-59.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	13	-0.02	13	-0.02	14	0.02	14	0.01
Contaminated zone b parameter	2	-0.08	2	-0.08	16	-0.02	16	-0.01
Evapotranspiration coefficient	7	-0.04	7	-0.04	5	0.11	5	0.06
Wind Speed	8	0.03	8	0.03	7	-0.05	7	-0.03
Runoff coefficient	5	-0.06	5	-0.06	8	0.05	8	0.03
b Parameter of Unsaturated zone 1	17	0.00	17	0.00	17	0.00	17	0.00
Mass loading for inhalation	16	-0.01	16	-0.01	13	-0.02	13	-0.01
Indoor dust filtration factor	9	0.03	9	0.03	11	0.02	11	0.01
Depth of soil mixing layer	12	-0.02	12	-0.02	12	-0.02	12	-0.01
Depth of roots	14	-0.01	14	-0.01	3	0.24	3	0.14
Wet weight crop yield of fruit, grain and non-leafy vegetables	4	0.07	4	0.07	15	-0.02	15	-0.01
Weathering removal constant of all vegetation	10	-0.02	10	-0.02	4	-0.13	4	-0.08
Wet foliar interception fraction of leafy vegetables	6	-0.04	6	-0.04	9	-0.04	9	-0.02
Humidity in air	1	0.09	1	0.09	6	0.06	6	0.04
Cover erosion rate	11	-0.02	11	-0.02	2	0.57	2	0.40
Kd of Ni-59 in Contaminated Zone	3	-0.07	3	-0.07	1	-0.77	1	-0.69
Kd of Ni-59 in Saturated Zone	15	-0.01	15	-0.01	10	-0.03	10	-0.02
R-SQUARE		0.03		0.03		0.67		0.67

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

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

Title : RESRAD Default Parameters

Input File : FCS BFM INSITU UA NI-59.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	7	-0.03	7	-0.03	7	0.08	7	0.04
Contaminated zone b parameter	8	0.02	8	0.02	11	0.04	11	0.02
Evapotranspiration coefficient	17	0.00	17	0.00	6	0.11	6	0.06
Wind Speed	2	0.06	2	0.06	17	0.00	17	0.00
Runoff coefficient	10	0.02	10	0.02	5	0.12	5	0.07
b Parameter of Unsaturated zone 1	9	-0.02	9	-0.02	16	0.02	16	0.01
Mass loading for inhalation	15	-0.01	15	-0.01	12	0.04	12	0.02
Indoor dust filtration factor	3	-0.06	3	-0.06	9	-0.04	9	-0.03
Depth of soil mixing layer	1	0.06	1	0.06	10	-0.04	10	-0.02
Depth of roots	11	0.02	11	0.02	3	0.20	3	0.12
Wet weight crop yield of fruit, grain and non-leafy vegetables	12	0.01	12	0.01	13	0.03	13	0.02
Weathering removal constant of all vegetation	4	-0.04	4	-0.04	4	-0.18	4	-0.10
Wet foliar interception fraction of leafy vegetables	5	0.04	5	0.04	8	0.06	8	0.03
Humidity in air	16	0.00	16	0.00	14	-0.03	14	-0.02
Cover erosion rate	14	-0.01	14	-0.01	2	0.52	2	0.36
Kd of Ni-59 in Contaminated Zone	6	-0.04	6	-0.04	1	-0.77	1	-0.71
Kd of Ni-59 in Saturated Zone	13	0.01	13	0.01	15	0.02	15	0.01
R-SQUARE		0.02		0.02		0.67		0.67

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

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

Title : RESRAD Default Parameters

Input File : FCS BFM INSITU UA NI-59.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	15	0.01	15	0.00	4	0.13	4	0.08
Contaminated zone b parameter	11	0.02	11	0.02	10	0.06	10	0.04
Evapotranspiration coefficient	17	0.00	17	0.00	12	0.05	12	0.03
Wind Speed	5	-0.06	5	-0.06	11	0.05	11	0.03
Runoff coefficient	7	-0.05	7	-0.05	8	0.08	8	0.05
b Parameter of Unsaturated zone 1	14	0.01	14	0.01	7	0.09	7	0.05
Mass loading for inhalation	1	0.13	1	0.13	14	-0.02	14	-0.01
Indoor dust filtration factor	10	-0.02	10	-0.02	17	0.00	17	0.00
Depth of soil mixing layer	16	0.00	16	0.00	16	-0.01	16	-0.01
Depth of roots	3	0.08	3	0.07	3	0.27	3	0.16
Wet weight crop yield of fruit, grain and non-leafy vegetables	8	-0.04	8	-0.04	9	0.08	9	0.05
Weathering removal constant of all vegetation	6	-0.05	6	-0.05	5	-0.13	5	-0.07
Wet foliar interception fraction of leafy vegetables	12	0.01	12	0.01	15	0.01	15	0.01
Humidity in air	9	-0.03	9	-0.03	6	-0.10	6	-0.06
Cover erosion rate	2	0.09	2	0.09	2	0.55	2	0.38
Kd of Ni-59 in Contaminated Zone	4	-0.06	4	-0.06	1	-0.77	1	-0.70
Kd of Ni-59 in Saturated Zone	13	-0.01	13	-0.01	13	0.02	13	0.01
R-SQUARE		0.04		0.04		0.67		0.67

-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.