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Probabilistic Total Dose Summary

Nuclide (j)	Peak Time	Peak Dose	DOSE(j,t), mrem/yr							
		t=	0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
Eu-155										
Min	0.00E+00	4.80E-07	4.80E-07	4.17E-07	3.16E-07	1.19E-07	7.25E-09	0.00E+00	0.00E+00	0.00E+00
Max	2.60E+01	2.23E+00	2.23E+00	1.64E+00	8.91E-01	1.59E-01	3.65E-03	9.52E-08	5.00E-20	0.00E+00
Avg	2.20E-01	4.12E-02	4.09E-02	3.32E-02	2.22E-02	6.19E-03	2.47E-04	8.67E-09	1.25E-20	0.00E+00
Std	1.77E+00	1.76E-01	1.76E-01	1.35E-01	8.23E-02	1.78E-02	5.25E-04	1.63E-08	1.88E-20	0.00E+00
ALL										
Min	0.00E+00	4.80E-07	4.80E-07	4.17E-07	3.16E-07	1.19E-07	7.25E-09	0.00E+00	0.00E+00	0.00E+00
Max	2.60E+01	2.23E+00	2.23E+00	1.64E+00	8.91E-01	1.59E-01	3.65E-03	9.52E-08	5.00E-20	0.00E+00
Avg	2.20E-01	4.12E-02	4.09E-02	3.32E-02	2.22E-02	6.19E-03	2.47E-04	8.67E-09	1.25E-20	0.00E+00
Std	1.77E+00	1.76E-01	1.76E-01	1.35E-01	8.23E-02	1.78E-02	5.25E-04	1.63E-08	1.88E-20	0.00E+00

ALL is total dose summed for all nuclides.

Probabilistic Risk Summary

Nuclide		RISK(j,t)							
(j)	t=	0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
Eu-155									
Min		2.09E-11	1.82E-11	1.37E-11	5.17E-12	3.16E-13	0.00E+00	0.00E+00	0.00E+00
Max		1.02E-04	7.49E-05	4.06E-05	6.83E-06	1.53E-07	3.14E-12	1.26E-24	0.00E+00
Avg		1.78E-06	1.45E-06	9.64E-07	2.62E-07	9.96E-09	3.20E-13	3.25E-25	0.00E+00
Std		7.83E-06	6.02E-06	3.64E-06	7.73E-07	2.14E-08	5.23E-13	0.00E+00	0.00E+00
ALL									
Min		2.09E-11	1.82E-11	1.37E-11	5.17E-12	3.16E-13	0.00E+00	0.00E+00	0.00E+00
Max		1.02E-04	7.49E-05	4.06E-05	6.83E-06	1.53E-07	3.14E-12	1.26E-24	0.00E+00
Avg		1.78E-06	1.45E-06	9.64E-07	2.62E-07	9.96E-09	3.20E-13	3.25E-25	0.00E+00
Std		7.83E-06	6.02E-06	3.64E-06	7.73E-07	2.14E-08	5.23E-13	0.00E+00	0.00E+00

ALL is total risk summed for all nuclides.

Probabilistic Dose vs Pathway(i): Ground External

Nuclide		DOSE(i,j,t), mrem/yr							
(j)	t=	0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
Eu-155									
Min		2.29E-13	1.62E-13	8.05E-14	6.99E-15	6.51E-18	0.00E+00	0.00E+00	0.00E+00
Max		1.05E-11	2.18E-09	9.34E-05	1.97E-02	1.20E-03	6.78E-08	4.93E-20	0.00E+00
Avg		3.05E-13	4.52E-12	1.06E-07	2.16E-04	3.00E-05	2.51E-09	1.01E-20	0.00E+00
Std		4.68E-13	7.41E-11	2.67E-06	1.99E-03	1.85E-04	1.25E-08	1.87E-20	0.00E+00
Gd-155									
Min		2.29E-13	1.62E-13	8.05E-14	6.99E-15	6.51E-18	0.00E+00	0.00E+00	0.00E+00
Max		1.05E-11	2.18E-09	9.34E-05	1.97E-02	1.20E-03	6.78E-08	4.93E-20	0.00E+00
Avg		3.05E-13	4.52E-12	1.06E-07	2.16E-04	3.00E-05	2.51E-09	1.01E-20	0.00E+00
Std		4.68E-13	7.41E-11	2.67E-06	1.99E-03	1.85E-04	1.25E-08	1.87E-20	0.00E+00

ALL 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
<hr/>									
Eu-155									
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	1.50E-07	2.75E-07	1.76E-08	9.71E-13	1.26E-24	0.00E+00
Avg		0.00E+00	0.00E+00	1.39E-10	1.37E-09	1.75E-10	1.47E-14	6.82E-26	0.00E+00
Std		0.00E+00	0.00E+00	4.04E-09	1.30E-08	1.17E-09	7.94E-14	0.00E+00	0.00E+00
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		0.00E+00	0.00E+00	1.50E-07	2.75E-07	1.76E-08	9.71E-13	1.26E-24	0.00E+00
Avg		0.00E+00	0.00E+00	1.39E-10	1.37E-09	1.75E-10	1.47E-14	6.82E-26	0.00E+00
Std		0.00E+00	0.00E+00	4.04E-09	1.30E-08	1.17E-09	7.94E-14	0.00E+00	0.00E+00
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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
Eu-155									
Min		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TOTAL									
Min		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

TOTAL is total pathway dose summed for all nuclides.

Probabilistic 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
Eu-155									
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		6.27E-04	5.71E-04	4.72E-04	1.98E-04	1.21E-05	6.84E-10	4.98E-22	0.00E+00
Avg		3.75E-04	3.26E-04	2.47E-04	9.39E-05	5.80E-06	3.47E-10	2.99E-22	0.00E+00
Std		2.19E-04	1.90E-04	1.44E-04	5.50E-05	3.44E-06	2.01E-10	1.64E-22	0.00E+00
Gd-155									
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		6.27E-04	5.71E-04	4.72E-04	1.98E-04	1.21E-05	6.84E-10	4.98E-22	0.00E+00
Avg		3.75E-04	3.26E-04	2.47E-04	9.39E-05	5.80E-06	3.47E-10	2.99E-22	0.00E+00
Std		2.19E-04	1.90E-04	1.44E-04	5.50E-05	3.44E-06	2.01E-10	1.64E-22	0.00E+00

ALL is total pathway dose summed for all nuclides.

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

Nuclide		DOSE(i,j,t), mrem/yr							
(j)	t=	0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
Eu-155									
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		2.77E-05	2.52E-05	5.06E-05	6.28E-05	3.84E-06	2.17E-10	1.58E-22	0.00E+00
Avg		1.66E-05	1.45E-05	1.10E-05	4.84E-06	3.44E-07	2.26E-11	4.60E-23	0.00E+00
Std		9.74E-06	8.44E-06	6.52E-06	6.69E-06	5.76E-07	3.83E-11	5.76E-23	0.00E+00
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		2.77E-05	2.52E-05	5.06E-05	6.28E-05	3.84E-06	2.17E-10	1.58E-22	0.00E+00
Avg		1.66E-05	1.45E-05	1.10E-05	4.84E-06	3.44E-07	2.26E-11	4.60E-23	0.00E+00
Std		9.74E-06	8.44E-06	6.52E-06	6.69E-06	5.76E-07	3.83E-11	5.76E-23	0.00E+00

ΣALL is total pathway dose summed for all nuclides.

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
Eu-155									
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		6.46E-06	5.87E-06	8.08E-06	7.44E-06	4.55E-07	2.57E-11	1.87E-23	0.00E+00
Avg		3.87E-06	3.36E-06	2.56E-06	1.04E-06	6.85E-08	4.30E-12	6.35E-24	0.00E+00
Std		2.26E-06	1.96E-06	1.49E-06	8.87E-07	7.03E-08	4.54E-12	6.41E-24	0.00E+00
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		6.46E-06	5.87E-06	8.08E-06	7.44E-06	4.55E-07	2.57E-11	1.87E-23	0.00E+00
Avg		3.87E-06	3.36E-06	2.56E-06	1.04E-06	6.85E-08	4.30E-12	6.35E-24	0.00E+00
Std		2.26E-06	1.96E-06	1.49E-06	8.87E-07	7.03E-08	4.54E-12	6.41E-24	0.00E+00

ΣALL is total pathway dose summed for all nuclides.

Probabilistic Dose vs Pathway(i): Soil Ingestion

Nuclide		DOSE(i,j,t), mrem/yr							
(j)	t=	0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
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Eu-155									
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	3.14E-06	5.04E-06	3.08E-07	1.74E-11	1.26E-23	0.00E+00
Avg		0.00E+00	0.00E+00	4.65E-09	6.33E-08	8.04E-09	6.71E-13	3.05E-24	0.00E+00
Std		0.00E+00	0.00E+00	1.11E-07	5.38E-07	4.79E-08	3.22E-12	4.93E-24	0.00E+00
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Gd-155									
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	3.14E-06	5.04E-06	3.08E-07	1.74E-11	1.26E-23	0.00E+00
Avg		0.00E+00	0.00E+00	4.65E-09	6.33E-08	8.04E-09	6.71E-13	3.05E-24	0.00E+00
Std		0.00E+00	0.00E+00	1.11E-07	5.38E-07	4.79E-08	3.22E-12	4.93E-24	0.00E+00
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ALL is total pathway dose summed for all nuclides.

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/>									
Eu-155									
Min		6.92E-09	6.01E-09	4.55E-09	1.71E-09	1.05E-10	0.00E+00	0.00E+00	0.00E+00
Max		1.97E+00	1.45E+00	7.87E-01	1.44E-01	3.36E-03	5.21E-08	1.38E-20	0.00E+00
Avg		3.58E-02	2.90E-02	1.93E-02	5.17E-03	1.86E-04	5.11E-09	1.76E-21	0.00E+00
Std		1.56E-01	1.20E-01	7.27E-02	1.56E-02	4.39E-04	9.54E-09	2.78E-21	0.00E+00
ALL									
Min		6.92E-09	6.01E-09	4.55E-09	1.71E-09	1.05E-10	0.00E+00	0.00E+00	0.00E+00
Max		1.97E+00	1.45E+00	7.87E-01	1.44E-01	3.36E-03	5.21E-08	1.38E-20	0.00E+00
Avg		3.58E-02	2.90E-02	1.93E-02	5.17E-03	1.86E-04	5.11E-09	1.76E-21	0.00E+00
Std		1.56E-01	1.20E-01	7.27E-02	1.56E-02	4.39E-04	9.54E-09	2.78E-21	0.00E+00
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ALL is total pathway dose summed for all nuclides.

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
Eu-155									
Min		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
TOTAL									
Min		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00

TOTAL is total pathway dose summed for all nuclides.

Probabilistic results summary : RESRAD Default Parameters

File : C:\USERS\DNF\DOCUMENTS\FT CALHOUN\RESRAD INPUT FILES\BFM INSITU UNCERTAINTY ANALYSIS\FCS BFM INSITU UA EU-155.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/>									
Eu-155									
Min		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ALL									
Min		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Avg		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Std		0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
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ALL is total pathway dose summed for all nuclides.

Probabilistic results summary : RESRAD Default Parameters

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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/>									
Eu-155									
Min		1.15E-09	1.00E-09	7.57E-10	2.84E-10	1.74E-11	0.00E+00	0.00E+00	0.00E+00
Max		2.21E-01	1.80E-01	1.19E-01	2.84E-02	5.25E-04	1.09E-08	4.36E-21	0.00E+00
Avg		3.17E-03	2.59E-03	1.74E-03	4.74E-04	1.68E-05	4.53E-10	1.60E-22	0.00E+00
Std		1.47E-02	1.17E-02	7.43E-03	1.72E-03	4.58E-05	1.00E-09	3.21E-22	0.00E+00
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ALL									
Min		1.15E-09	1.00E-09	7.57E-10	2.84E-10	1.74E-11	0.00E+00	0.00E+00	0.00E+00
Max		2.21E-01	1.80E-01	1.19E-01	2.84E-02	5.25E-04	1.09E-08	4.36E-21	0.00E+00
Avg		3.17E-03	2.59E-03	1.74E-03	4.74E-04	1.68E-05	4.53E-10	1.60E-22	0.00E+00
Std		1.47E-02	1.17E-02	7.43E-03	1.72E-03	4.58E-05	1.00E-09	3.21E-22	0.00E+00
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ALL is total pathway dose summed for all nuclides.

Probabilistic results summary : RESRAD Default Parameters

File : C:\USERS\DNF\DOCUMENTS\FT CALHOUN\RESRAD INPUT FILES\BFM INSITU UNCERTAINTY ANALYSIS\FCS BFM INSITU UA EU-155.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/>									
Eu-155									
Min		2.72E-10	2.36E-10	1.79E-10	6.72E-11	4.11E-12	0.00E+00	0.00E+00	0.00E+00
Max		6.68E-02	4.93E-02	2.67E-02	6.21E-03	1.14E-04	2.19E-09	6.44E-22	0.00E+00
Avg		1.31E-03	1.06E-03	7.10E-04	1.90E-04	6.76E-06	1.84E-10	6.37E-23	0.00E+00
Std		5.65E-03	4.39E-03	2.70E-03	5.92E-04	1.61E-05	3.44E-10	1.02E-22	0.00E+00
ALL									
Min		2.72E-10	2.36E-10	1.79E-10	6.72E-11	4.11E-12	0.00E+00	0.00E+00	0.00E+00
Max		6.68E-02	4.93E-02	2.67E-02	6.21E-03	1.14E-04	2.19E-09	6.44E-22	0.00E+00
Avg		1.31E-03	1.06E-03	7.10E-04	1.90E-04	6.76E-06	1.84E-10	6.37E-23	0.00E+00
Std		5.65E-03	4.39E-03	2.70E-03	5.92E-04	1.61E-05	3.44E-10	1.02E-22	0.00E+00
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ALL is total pathway dose summed for all nuclides.

Probabilistic results summary : RESRAD Default Parameters

File : C:\USERS\DNF\DOCUMENTS\FT CALHOUN\RESRAD INPUT FILES\BFM INSITU UNCERTAINTY ANALYSIS\FCS BFM INSITU UA EU-155.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
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Eu-155									
Min		4.49E-11	3.91E-11	2.96E-11	1.11E-11	6.79E-13	0.00E+00	0.00E+00	0.00E+00
Max		1.02E-02	7.52E-03	4.48E-03	1.06E-03	1.94E-05	3.89E-10	1.15E-22	0.00E+00
Avg		2.08E-04	1.69E-04	1.13E-04	3.05E-05	1.08E-06	2.92E-11	1.02E-23	0.00E+00
Std		8.98E-04	7.01E-04	4.35E-04	9.66E-05	2.60E-06	5.52E-11	1.65E-23	0.00E+00
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ALL									
Min		4.49E-11	3.91E-11	2.96E-11	1.11E-11	6.79E-13	0.00E+00	0.00E+00	0.00E+00
Max		1.02E-02	7.52E-03	4.48E-03	1.06E-03	1.94E-05	3.89E-10	1.15E-22	0.00E+00
Avg		2.08E-04	1.69E-04	1.13E-04	3.05E-05	1.08E-06	2.92E-11	1.02E-23	0.00E+00
Std		8.98E-04	7.01E-04	4.35E-04	9.66E-05	2.60E-06	5.52E-11	1.65E-23	0.00E+00
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ALL is total pathway dose summed for all nuclides.

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	2.68E-05	2.33E-05	1.76E-05	7.17E-06	5.18E-07	2.28E-11	1.06E-24	0.00E+00
0.050	1.00E-04	8.74E-05	6.66E-05	2.62E-05	1.62E-06	1.14E-10	3.15E-23	0.00E+00
0.075	2.18E-04	1.93E-04	1.46E-04	5.80E-05	3.91E-06	2.44E-10	1.65E-22	0.00E+00
0.100	3.03E-04	2.63E-04	2.03E-04	8.04E-05	5.28E-06	3.24E-10	2.67E-22	0.00E+00
0.125	3.74E-04	3.26E-04	2.49E-04	9.64E-05	6.39E-06	3.89E-10	3.47E-22	0.00E+00
0.150	4.63E-04	4.03E-04	3.09E-04	1.20E-04	7.62E-06	4.55E-10	3.85E-22	0.00E+00
0.175	5.32E-04	4.64E-04	3.53E-04	1.36E-04	8.56E-06	4.98E-10	4.10E-22	0.00E+00
0.200	5.71E-04	4.99E-04	3.79E-04	1.44E-04	8.99E-06	5.27E-10	4.35E-22	0.00E+00
0.225	6.03E-04	5.26E-04	3.98E-04	1.51E-04	9.44E-06	5.55E-10	4.56E-22	0.00E+00
0.250	6.26E-04	5.46E-04	4.14E-04	1.57E-04	9.81E-06	5.72E-10	4.88E-22	0.00E+00
0.275	6.47E-04	5.63E-04	4.27E-04	1.62E-04	1.01E-05	5.91E-10	5.34E-22	0.00E+00
0.300	6.58E-04	5.74E-04	4.36E-04	1.65E-04	1.03E-05	6.15E-10	5.82E-22	0.00E+00
0.325	6.77E-04	5.91E-04	4.49E-04	1.71E-04	1.07E-05	6.41E-10	6.33E-22	0.00E+00
0.350	7.08E-04	6.17E-04	4.70E-04	1.81E-04	1.14E-05	6.74E-10	7.49E-22	0.00E+00
0.375	7.59E-04	6.62E-04	5.06E-04	1.94E-04	1.22E-05	7.18E-10	8.39E-22	0.00E+00
0.400	8.32E-04	7.24E-04	5.51E-04	2.18E-04	1.37E-05	7.97E-10	9.60E-22	0.00E+00
0.425	9.42E-04	8.20E-04	6.22E-04	2.43E-04	1.52E-05	8.89E-10	1.20E-21	0.00E+00
0.450	1.05E-03	9.16E-04	6.93E-04	2.68E-04	1.69E-05	9.79E-10	1.43E-21	0.00E+00
0.475	1.21E-03	1.06E-03	7.99E-04	3.10E-04	1.97E-05	1.11E-09	1.71E-21	0.00E+00
0.500	1.34E-03	1.17E-03	8.84E-04	3.40E-04	2.14E-05	1.25E-09	1.96E-21	0.00E+00
0.525	1.55E-03	1.35E-03	1.02E-03	3.97E-04	2.49E-05	1.39E-09	2.46E-21	0.00E+00
0.550	1.84E-03	1.60E-03	1.21E-03	4.72E-04	3.00E-05	1.67E-09	2.90E-21	0.00E+00
0.575	2.11E-03	1.84E-03	1.39E-03	5.44E-04	3.43E-05	1.91E-09	3.42E-21	0.00E+00
0.600	2.52E-03	2.19E-03	1.66E-03	6.58E-04	4.22E-05	2.30E-09	4.17E-21	0.00E+00
0.625	3.02E-03	2.63E-03	1.98E-03	7.86E-04	4.96E-05	2.72E-09	4.89E-21	0.00E+00
0.650	3.58E-03	3.11E-03	2.35E-03	9.71E-04	6.36E-05	3.35E-09	5.76E-21	0.00E+00
0.675	4.57E-03	3.98E-03	3.01E-03	1.18E-03	7.66E-05	4.02E-09	6.84E-21	0.00E+00
0.700	5.53E-03	4.81E-03	3.63E-03	1.45E-03	9.42E-05	4.88E-09	8.06E-21	0.00E+00
0.725	6.78E-03	5.90E-03	4.46E-03	1.81E-03	1.21E-04	6.03E-09	9.70E-21	0.00E+00
0.750	8.68E-03	7.54E-03	5.70E-03	2.29E-03	1.53E-04	7.50E-09	1.21E-20	0.00E+00
0.775	1.07E-02	9.31E-03	7.03E-03	3.01E-03	1.96E-04	9.33E-09	1.81E-20	0.00E+00
0.800	1.41E-02	1.22E-02	9.24E-03	3.91E-03	2.55E-04	1.16E-08	3.63E-20	0.00E+00
0.825	1.91E-02	1.66E-02	1.25E-02	5.30E-03	3.49E-04	1.46E-08	4.59E-20	0.00E+00
0.850	2.70E-02	2.34E-02	1.77E-02	7.26E-03	4.83E-04	1.94E-08	4.85E-20	0.00E+00
0.875	3.73E-02	3.23E-02	2.43E-02	1.04E-02	6.61E-04	2.43E-08	4.95E-20	0.00E+00
0.900	5.55E-02	4.81E-02	3.61E-02	1.67E-02	9.95E-04	2.84E-08	4.98E-20	0.00E+00
0.925	9.25E-02	7.96E-02	5.90E-02	2.16E-02	1.22E-03	3.55E-08	4.99E-20	0.00E+00
0.950	1.72E-01	1.48E-01	1.09E-01	3.78E-02	1.45E-03	4.82E-08	5.00E-20	0.00E+00
0.975	4.31E-01	3.57E-01	2.50E-01	7.06E-02	1.87E-03	6.88E-08	5.00E-20	0.00E+00
1.000	2.23E+00	1.64E+00	8.91E-01	1.59E-01	3.65E-03	9.52E-08	5.00E-20	0.00E+00

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	1.75E-06	1.86E+00	4.00E-02	1.36E-03	5.85E-02	1.73E-01	4.48E-01	1.05E+00
1.00E+00	1.52E-06	1.39E+00	3.25E-02	1.18E-03	5.07E-02	1.49E-01	3.74E-01	8.52E-01
1.06E+00	1.51E-06	1.37E+00	3.21E-02	1.17E-03	5.03E-02	1.47E-01	3.70E-01	8.42E-01
1.12E+00	1.50E-06	1.34E+00	3.17E-02	1.16E-03	4.99E-02	1.46E-01	3.66E-01	8.31E-01
1.19E+00	1.48E-06	1.32E+00	3.13E-02	1.15E-03	4.94E-02	1.44E-01	3.62E-01	8.20E-01
1.25E+00	1.47E-06	1.29E+00	3.09E-02	1.14E-03	4.89E-02	1.43E-01	3.57E-01	8.09E-01
1.33E+00	1.46E-06	1.26E+00	3.04E-02	1.13E-03	4.84E-02	1.41E-01	3.53E-01	7.97E-01
1.40E+00	1.44E-06	1.23E+00	2.99E-02	1.12E-03	4.79E-02	1.40E-01	3.48E-01	7.84E-01
1.49E+00	1.42E-06	1.21E+00	2.94E-02	1.10E-03	4.73E-02	1.38E-01	3.42E-01	7.71E-01
1.57E+00	1.41E-06	1.17E+00	2.89E-02	1.09E-03	4.67E-02	1.36E-01	3.37E-01	7.57E-01
1.66E+00	1.39E-06	1.14E+00	2.84E-02	1.08E-03	4.61E-02	1.34E-01	3.31E-01	7.43E-01
1.76E+00	1.37E-06	1.11E+00	2.78E-02	1.06E-03	4.55E-02	1.32E-01	3.25E-01	7.29E-01
1.86E+00	1.35E-06	1.08E+00	2.72E-02	1.05E-03	4.48E-02	1.30E-01	3.19E-01	7.13E-01
1.97E+00	1.33E-06	1.04E+00	2.67E-02	1.03E-03	4.41E-02	1.28E-01	3.12E-01	6.97E-01
2.09E+00	1.31E-06	1.01E+00	2.60E-02	1.01E-03	4.34E-02	1.26E-01	3.06E-01	6.75E-01
2.21E+00	1.29E-06	9.75E-01	2.54E-02	9.97E-04	4.27E-02	1.23E-01	2.99E-01	6.53E-01
2.34E+00	1.26E-06	9.39E-01	2.48E-02	9.80E-04	4.19E-02	1.21E-01	2.91E-01	6.30E-01
2.47E+00	1.24E-06	9.02E-01	2.41E-02	9.61E-04	4.11E-02	1.18E-01	2.84E-01	6.07E-01
2.62E+00	1.22E-06	8.65E-01	2.34E-02	9.42E-04	4.03E-02	1.16E-01	2.76E-01	5.84E-01
2.77E+00	1.19E-06	8.27E-01	2.27E-02	9.22E-04	3.94E-02	1.13E-01	2.69E-01	5.60E-01
2.93E+00	1.16E-06	7.89E-01	2.20E-02	9.02E-04	3.85E-02	1.10E-01	2.60E-01	5.35E-01
3.00E+00	1.15E-06	7.73E-01	2.17E-02	8.93E-04	3.81E-02	1.09E-01	2.57E-01	5.25E-01
3.10E+00	1.14E-06	7.50E-01	2.12E-02	8.81E-04	3.76E-02	1.07E-01	2.52E-01	5.11E-01
3.28E+00	1.11E-06	7.11E-01	2.05E-02	8.59E-04	3.66E-02	1.05E-01	2.44E-01	4.86E-01
3.48E+00	1.08E-06	6.73E-01	1.97E-02	8.36E-04	3.56E-02	1.01E-01	2.35E-01	4.60E-01
3.68E+00	1.05E-06	6.34E-01	1.90E-02	8.13E-04	3.46E-02	9.84E-02	2.26E-01	4.29E-01
3.89E+00	1.02E-06	5.95E-01	1.82E-02	7.89E-04	3.36E-02	9.52E-02	2.17E-01	3.98E-01
4.12E+00	9.86E-07	5.57E-01	1.74E-02	7.65E-04	3.25E-02	9.19E-02	2.08E-01	3.68E-01
4.36E+00	9.53E-07	5.19E-01	1.67E-02	7.44E-04	3.17E-02	8.86E-02	1.99E-01	3.38E-01
4.61E+00	9.20E-07	4.82E-01	1.59E-02	7.18E-04	3.05E-02	8.52E-02	1.90E-01	3.12E-01
4.88E+00	8.86E-07	4.45E-01	1.51E-02	6.95E-04	2.94E-02	8.17E-02	1.80E-01	2.91E-01
5.17E+00	8.51E-07	4.10E-01	1.43E-02	6.68E-04	2.82E-02	7.82E-02	1.71E-01	2.71E-01
5.47E+00	8.16E-07	3.75E-01	1.36E-02	6.41E-04	2.70E-02	7.47E-02	1.61E-01	2.52E-01
5.78E+00	7.81E-07	3.42E-01	1.28E-02	6.20E-04	2.73E-02	7.11E-02	1.52E-01	2.33E-01
6.12E+00	7.45E-07	3.12E-01	1.20E-02	5.92E-04	2.64E-02	6.75E-02	1.44E-01	2.14E-01
6.48E+00	7.09E-07	2.86E-01	1.13E-02	5.63E-04	2.50E-02	6.39E-02	1.35E-01	2.00E-01
6.86E+00	6.72E-07	2.60E-01	1.05E-02	5.34E-04	2.37E-02	6.03E-02	1.26E-01	1.82E-01
7.26E+00	6.36E-07	2.36E-01	9.79E-03	5.05E-04	2.24E-02	5.67E-02	1.17E-01	1.63E-01
7.68E+00	5.99E-07	2.17E-01	9.08E-03	4.76E-04	2.31E-02	5.31E-02	1.06E-01	1.49E-01
8.13E+00	5.63E-07	1.98E-01	8.39E-03	4.47E-04	2.18E-02	4.96E-02	9.57E-02	1.36E-01
8.60E+00	5.27E-07	1.79E-01	7.71E-03	4.19E-04	2.08E-02	4.61E-02	8.84E-02	1.23E-01
9.10E+00	4.91E-07	1.62E-01	7.05E-03	3.90E-04	1.93E-02	4.27E-02	8.12E-02	1.11E-01
9.63E+00	4.56E-07	1.45E-01	6.41E-03	3.68E-04	1.79E-02	3.94E-02	7.43E-02	9.98E-02
1.00E+01	4.33E-07	1.34E-01	6.02E-03	3.49E-04	1.70E-02	3.72E-02	6.98E-02	9.25E-02
1.02E+01	4.22E-07	1.29E-01	5.82E-03	3.40E-04	1.66E-02	3.61E-02	6.75E-02	8.89E-02
1.08E+01	3.88E-07	1.14E-01	5.26E-03	3.13E-04	1.52E-02	3.29E-02	6.04E-02	7.87E-02
1.14E+01	3.56E-07	1.01E-01	4.72E-03	2.87E-04	1.39E-02	2.98E-02	5.26E-02	6.72E-02
1.21E+01	3.24E-07	8.78E-02	4.21E-03	2.61E-04	1.31E-02	2.69E-02	4.57E-02	5.94E-02
1.28E+01	2.94E-07	7.59E-02	3.73E-03	2.37E-04	1.18E-02	2.42E-02	3.96E-02	5.22E-02
1.35E+01	2.65E-07	6.52E-02	3.30E-03	2.14E-04	1.07E-02	2.15E-02	3.37E-02	4.53E-02
1.43E+01	2.37E-07	5.54E-02	2.89E-03	1.95E-04	9.59E-03	1.91E-02	2.84E-02	3.91E-02
1.51E+01	2.11E-07	4.67E-02	2.51E-03	1.74E-04	8.42E-03	1.68E-02	2.36E-02	3.35E-02
1.60E+01	1.87E-07	3.94E-02	2.17E-03	1.54E-04	7.42E-03	1.45E-02	2.01E-02	2.70E-02
1.70E+01	1.64E-07	3.36E-02	1.87E-03	1.35E-04	6.54E-03	1.23E-02	1.70E-02	2.24E-02
1.80E+01	1.43E-07	2.84E-02	1.60E-03	1.18E-04	5.79E-03	9.62E-03	1.42E-02	1.90E-02
1.90E+01	1.23E-07	2.38E-02	1.34E-03	1.02E-04	4.97E-03	7.98E-03	1.18E-02	1.60E-02

2.01E+01 1.06E-07 1.97E-02 1.12E-03 8.70E-05 4.23E-03 6.62E-03 9.73E-03 1.33E-02

2.13E+01 8.96E-08 1.61E-02 9.30E-04 7.39E-05 3.52E-03 5.51E-03 7.80E-03 1.07E-02

2.25E+01 7.54E-08 1.31E-02 7.66E-04 6.21E-05 2.93E-03 4.57E-03 6.40E-03 8.50E-03

2.38E+01 6.27E-08 1.04E-02 6.23E-04 5.17E-05 2.44E-03 3.77E-03 5.17E-03 6.66E-03

2.52E+01 5.17E-08 8.24E-03 5.02E-04 4.26E-05 1.98E-03 2.99E-03 4.03E-03 5.14E-03

2.67E+01 4.21E-08 6.42E-03 4.01E-04 3.47E-05 1.61E-03 2.38E-03 3.10E-03 4.01E-03

2.82E+01 3.39E-08 4.93E-03 3.16E-04 2.79E-05 1.30E-03 1.87E-03 2.44E-03 3.08E-03

2.99E+01 2.69E-08 3.72E-03 2.45E-04 2.22E-05 1.01E-03 1.47E-03 1.87E-03 2.27E-03

3.00E+01 2.65E-08 3.65E-03 2.40E-04 2.18E-05 9.92E-04 1.45E-03 1.84E-03 2.21E-03

3.16E+01 2.11E-08 2.77E-03 1.87E-04 1.78E-05 7.85E-04 1.10E-03 1.44E-03 1.61E-03

3.35E+01	1.63E-08	2.02E-03	1.41E-04	1.35E-05	5.86E-04	8.41E-04	1.08E-03	1.21E-03
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3.54E+01	1.24E-08	1.45E-03	1.05E-04	1.02E-05	4.43E-04	6.20E-04	7.72E-04	9.12E-04
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3.75E+01	9.31E-09	1.02E-03	7.71E-05	7.85E-06	3.22E-04	4.59E-04	5.40E-04	6.55E-04
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3.97E+01 6.86E-09 7.04E-04 5.56E-05 5.81E-06 2.38E-04 3.27E-04 3.79E-04 4.69E-04

4.20E+01 4.97E-09 4.75E-04 3.92E-05 4.21E-06 1.68E-04 2.29E-04 2.68E-04 3.29E-04

4.44E+01 3.53E-09 3.13E-04 2.72E-05 2.99E-06 1.10E-04 1.63E-04 1.88E-04 2.26E-04

4.70E+01 2.46E-09 2.02E-04 1.86E-05 2.04E-06 7.54E-05 1.13E-04 1.28E-04 1.48E-04

4.97E+01 1.68E-09 1.26E-04 1.24E-05 1.38E-06 4.90E-05 7.73E-05 8.55E-05 9.66E-05

5.26E+01	1.12E-09	7.72E-05	8.12E-06	9.34E-07	3.20E-05	5.15E-05	5.64E-05	6.29E-05
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5.57E+01 7.29E-10 4.58E-05 5.16E-06 6.13E-07 1.99E-05 3.36E-05 3.59E-05 3.99E-05

5.90E+01 4.63E-10 2.71E-05 3.20E-06 4.06E-07 1.22E-05 2.10E-05 2.24E-05 2.43E-05

6.24E+01 2.87E-10 1.61E-05 1.94E-06 2.46E-07 7.38E-06 1.27E-05 1.37E-05 1.47E-05

6.60E+01 1.53E-10 9.23E-06 1.15E-06 1.46E-07 4.31E-06 7.53E-06 8.02E-06 8.63E-06

6.99E+01 3.98E-11 5.13E-06 6.63E-07 8.56E-08 2.50E-06 4.31E-06 4.65E-06 4.91E-06

7.39E+01	9.63E-12	2.88E-06	3.68E-07	4.86E-08	1.38E-06	2.39E-06	2.63E-06	2.74E-06
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7.82E+01 2.14E-12 1.56E-06 1.98E-07 2.67E-08 7.43E-07 1.26E-06 1.44E-06 1.49E-06

8.28E+01 4.36E-13 8.20E-07 1.02E-07 1.42E-08 3.71E-07 6.28E-07 7.62E-07 7.80E-07

8.76E+01	8.10E-14	4.14E-07	5.10E-08	7.07E-09	1.77E-07	3.03E-07	3.88E-07	3.97E-07
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9.27E+01	1.36E-14	2.01E-07	2.46E-08	3.55E-09	8.40E-08	1.45E-07	1.90E-07	1.94E-07
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9.81E+01 2.07E-15 9.34E-08 1.14E-08 1.64E-09 3.78E-08 6.85E-08 8.94E-08 9.13E-08

1.00E+02 1.08E-15 7.18E-08 8.68E-09 1.26E-09 2.87E-08 5.15E-08 6.88E-08 7.03E-08

1.04E+02 2.82E-16 4.17E-08 5.00E-09 7.34E-10 1.66E-08 2.93E-08 4.02E-08 4.10E-08

1.10E+02 3.41E-17 1.78E-08 2.11E-09 3.16E-10 7.13E-09 1.22E-08 1.73E-08 1.76E-08

1.16E+02 3.65E-18 7.24E-09 8.52E-10 1.30E-10 2.81E-09 4.89E-09 7.06E-09 7.15E-09

1.23E+02 3.43E-19 2.80E-09 3.25E-10 5.01E-11 1.02E-09 1.85E-09 2.74E-09 2.77E-09

1.30E+02 2.81E-20 1.14E-09 1.18E-10 1.84E-11 3.48E-10 6.56E-10 1.00E-09 1.01E-09

1.38E+02 1.99E-21 3.89E-10 4.04E-11 6.42E-12 1.23E-10 2.24E-10 3.48E-10 3.49E-10

1.46E+02 1.21E-22 1.24E-10 1.29E-11 2.16E-12 3.87E-11 6.93E-11 1.13E-10 1.14E-10

1.54E+02 6.22E-24 3.72E-11 3.86E-12 6.79E-13 1.12E-11 2.04E-11 3.46E-11 3.47E-11

1.63E+02 2.70E-25 1.04E-11 1.08E-12 1.97E-13 3.10E-12 5.58E-12 9.83E-12 9.86E-12

1.73E+02 9.74E-27 2.69E-12 2.85E-13 5.22E-14 7.75E-13 1.42E-12 2.60E-12 2.60E-12

1.83E+02 2.90E-28 6.44E-13 7.35E-14 1.29E-14 1.99E-13 3.79E-13 6.37E-13 6.37E-13

1.94E+02 6.47E-30 1.44E-13 1.88E-14 2.95E-15 5.12E-14 1.42E-13 1.44E-13 1.44E-13

2.05E+02 0.00E+00 3.00E-14 4.30E-15 6.65E-16 1.26E-14 2.96E-14 2.97E-14 2.97E-14

2.17E+02	0.00E+00	5.66E-15	8.99E-16	1.39E-16	4.14E-15	5.59E-15	5.60E-15	5.61E-15
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2.29E+02	0.00E+00	9.66E-16	1.69E-16	2.58E-17	8.74E-16	9.57E-16	9.59E-16	9.60E-16
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2.43E+02	0.00E+00	1.49E-16	2.85E-17	4.42E-18	1.46E-16	1.48E-16	1.48E-16	1.48E-16
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2.57E+02	0.00E+00	2.06E-17	4.31E-18	6.85E-19	2.03E-17	2.05E-17	2.05E-17	2.05E-17
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2.72E+02	0.00E+00	2.53E-18	5.64E-19	8.55E-20	2.52E-18	2.53E-18	2.53E-18	2.53E-18
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2.88E+02	0.00E+00	2.77E-19	6.56E-20	9.87E-21	2.75E-19	2.77E-19	2.77E-19	2.77E-19
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3.00E+02 0.00E+00 5.00E-20 1.24E-20 1.97E-21 4.98E-20 5.00E-20 5.00E-20 5.00E-20

3.05E+02 0.00E+00 2.66E-20 6.67E-21 1.08E-21 2.65E-20 2.66E-20 2.66E-20 2.66E-20

3.22E+02	0.00E+00	2.23E-21	5.87E-22	9.45E-23	2.22E-21	2.23E-21	2.23E-21	2.23E-21
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3.41E+02 0.00E+00 1.62E-22 4.49E-23 7.53E-24 1.61E-22 1.62E-22 1.62E-22 1.62E-22

3.61E+02	0.00E+00	1.01E-23	2.96E-24	5.43E-25	1.00E-23	1.01E-23	1.01E-23	1.01E-23
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3.82E+02 0.00E+00 5.34E-25 1.65E-25 3.01E-26 5.32E-25 5.34E-25 5.34E-25 5.34E-25

4.04E+02	0.00E+00	2.38E-26	7.70E-27	1.38E-27	2.38E-26	2.38E-26	2.38E-26	2.38E-26
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4.28E+02 0.00E+00 8.87E-28 2.98E-28 5.65E-29 8.84E-28 8.86E-28 8.87E-28 8.87E-28

4.53E+02 0.00E+00 2.69E-29 8.99E-30 1.54E-30 2.68E-29 2.69E-29 2.69E-29 2.69E-29

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Probabilistic results summary : RESRAD Default Parameters

File : C:\USERS\DNF\DOCUMENTS\FT CALHOUN\RESRAD INPUT FILES\BFM INSITU UNCERTAINTY ANALYSIS\FCS BFM INSITU UA EU-155.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	1.95E-06	2.23E+00	4.10E-02	1.29E-03	5.81E-02	1.76E-01	4.44E-01	9.72E-01
1.00E+00	1.69E-06	1.64E+00	3.34E-02	1.13E-03	5.04E-02	1.51E-01	3.73E-01	7.93E-01
1.06E+00	1.68E-06	1.62E+00	3.30E-02	1.12E-03	5.00E-02	1.49E-01	3.69E-01	7.83E-01
1.12E+00	1.67E-06	1.59E+00	3.26E-02	1.11E-03	4.95E-02	1.48E-01	3.65E-01	7.73E-01
1.19E+00	1.65E-06	1.55E+00	3.21E-02	1.10E-03	4.91E-02	1.46E-01	3.61E-01	7.63E-01
1.25E+00	1.63E-06	1.52E+00	3.17E-02	1.09E-03	4.86E-02	1.45E-01	3.57E-01	7.53E-01
1.33E+00	1.62E-06	1.49E+00	3.12E-02	1.08E-03	4.81E-02	1.43E-01	3.52E-01	7.41E-01
1.40E+00	1.60E-06	1.45E+00	3.07E-02	1.07E-03	4.75E-02	1.42E-01	3.47E-01	7.30E-01
1.49E+00	1.58E-06	1.42E+00	3.02E-02	1.05E-03	4.70E-02	1.40E-01	3.42E-01	7.18E-01
1.57E+00	1.56E-06	1.38E+00	2.97E-02	1.04E-03	4.64E-02	1.38E-01	3.37E-01	7.05E-01
1.66E+00	1.54E-06	1.34E+00	2.92E-02	1.03E-03	4.58E-02	1.36E-01	3.32E-01	6.92E-01
1.76E+00	1.52E-06	1.30E+00	2.86E-02	1.01E-03	4.52E-02	1.34E-01	3.26E-01	6.79E-01
1.86E+00	1.50E-06	1.26E+00	2.80E-02	1.00E-03	4.45E-02	1.32E-01	3.20E-01	6.64E-01
1.97E+00	1.48E-06	1.22E+00	2.74E-02	9.86E-04	4.38E-02	1.30E-01	3.14E-01	6.50E-01
2.09E+00	1.46E-06	1.18E+00	2.68E-02	9.70E-04	4.31E-02	1.27E-01	3.08E-01	6.35E-01
2.21E+00	1.43E-06	1.14E+00	2.61E-02	9.54E-04	4.24E-02	1.25E-01	3.02E-01	6.19E-01
2.34E+00	1.40E-06	1.09E+00	2.55E-02	9.37E-04	4.16E-02	1.23E-01	2.95E-01	6.03E-01
2.47E+00	1.38E-06	1.05E+00	2.48E-02	9.19E-04	4.08E-02	1.20E-01	2.88E-01	5.87E-01
2.62E+00	1.35E-06	1.00E+00	2.41E-02	9.01E-04	4.00E-02	1.17E-01	2.81E-01	5.70E-01
2.77E+00	1.32E-06	9.56E-01	2.34E-02	8.82E-04	3.91E-02	1.15E-01	2.73E-01	5.52E-01
2.93E+00	1.29E-06	9.10E-01	2.27E-02	8.62E-04	3.82E-02	1.12E-01	2.66E-01	5.34E-01
3.00E+00	1.28E-06	8.91E-01	2.24E-02	8.54E-04	3.78E-02	1.11E-01	2.63E-01	5.27E-01
3.10E+00	1.26E-06	8.63E-01	2.19E-02	8.42E-04	3.73E-02	1.09E-01	2.58E-01	5.16E-01
3.28E+00	1.23E-06	8.17E-01	2.11E-02	8.21E-04	3.63E-02	1.06E-01	2.50E-01	4.97E-01
3.48E+00	1.20E-06	7.70E-01	2.04E-02	8.00E-04	3.54E-02	1.03E-01	2.42E-01	4.78E-01
3.68E+00	1.17E-06	7.24E-01	1.96E-02	7.77E-04	3.43E-02	9.97E-02	2.33E-01	4.59E-01
3.89E+00	1.13E-06	6.78E-01	1.88E-02	7.55E-04	3.33E-02	9.65E-02	2.25E-01	4.39E-01
4.12E+00	1.10E-06	6.32E-01	1.80E-02	7.31E-04	3.22E-02	9.32E-02	2.16E-01	4.07E-01
4.36E+00	1.06E-06	5.88E-01	1.72E-02	7.10E-04	3.12E-02	8.98E-02	2.07E-01	3.74E-01
4.61E+00	1.02E-06	5.44E-01	1.64E-02	6.85E-04	3.00E-02	8.63E-02	1.98E-01	3.53E-01
4.88E+00	9.85E-07	5.01E-01	1.56E-02	6.60E-04	2.92E-02	8.28E-02	1.89E-01	3.36E-01
5.17E+00	9.46E-07	4.59E-01	1.48E-02	6.34E-04	2.80E-02	7.93E-02	1.80E-01	3.19E-01
5.47E+00	9.07E-07	4.18E-01	1.41E-02	6.08E-04	2.68E-02	7.57E-02	1.70E-01	3.02E-01
5.78E+00	8.68E-07	3.80E-01	1.33E-02	5.84E-04	2.65E-02	7.21E-02	1.61E-01	2.82E-01
6.12E+00	8.28E-07	3.46E-01	1.25E-02	5.58E-04	2.63E-02	6.84E-02	1.52E-01	2.57E-01
6.48E+00	7.88E-07	3.22E-01	1.17E-02	5.31E-04	2.50E-02	6.48E-02	1.43E-01	2.33E-01
6.86E+00	7.47E-07	2.98E-01	1.10E-02	5.04E-04	2.37E-02	6.11E-02	1.34E-01	2.15E-01
7.26E+00	7.07E-07	2.76E-01	1.02E-02	4.77E-04	2.23E-02	5.75E-02	1.24E-01	1.99E-01
7.68E+00	6.66E-07	2.53E-01	9.47E-03	4.50E-04	2.26E-02	5.38E-02	1.14E-01	1.84E-01
8.13E+00	6.26E-07	2.32E-01	8.74E-03	4.23E-04	2.12E-02	5.02E-02	1.02E-01	1.70E-01
8.60E+00	5.86E-07	2.11E-01	8.05E-03	3.96E-04	1.98E-02	4.67E-02	9.43E-02	1.55E-01
9.10E+00	5.46E-07	1.91E-01	7.38E-03	3.69E-04	1.91E-02	4.32E-02	8.68E-02	1.37E-01
9.63E+00	5.07E-07	1.71E-01	6.74E-03	3.43E-04	1.77E-02	3.98E-02	7.96E-02	1.17E-01
1.00E+01	4.82E-07	1.59E-01	6.32E-03	3.26E-04	1.69E-02	3.76E-02	7.49E-02	1.04E-01
1.02E+01	4.69E-07	1.53E-01	6.12E-03	3.18E-04	1.65E-02	3.65E-02	7.24E-02	9.83E-02
1.08E+01	4.32E-07	1.36E-01	5.53E-03	2.93E-04	1.51E-02	3.34E-02	6.48E-02	8.20E-02
1.14E+01	3.95E-07	1.20E-01	4.96E-03	2.69E-04	1.38E-02	3.03E-02	5.77E-02	7.20E-02
1.21E+01	3.60E-07	1.05E-01	4.44E-03	2.46E-04	1.26E-02	2.43E-02	4.93E-02	6.39E-02
1.28E+01	3.27E-07	9.12E-02	3.95E-03	2.23E-04	1.18E-02	2.18E-02	4.25E-02	5.62E-02
1.35E+01	2.94E-07	7.86E-02	3.49E-03	2.01E-04	1.06E-02	1.95E-02	3.56E-02	4.92E-02
1.43E+01	2.64E-07	6.71E-02	3.08E-03	1.82E-04	9.46E-03	1.73E-02	3.03E-02	4.27E-02
1.51E+01	2.35E-07	5.68E-02	2.68E-03	1.62E-04	8.37E-03	1.53E-02	2.64E-02	3.67E-02
1.60E+01	2.07E-07	4.76E-02	2.32E-03	1.43E-04	7.36E-03	1.34E-02	2.30E-02	3.13E-02
1.70E+01	1.82E-07	3.95E-02	1.99E-03	1.25E-04	6.41E-03	1.16E-02	1.97E-02	2.65E-02
1.80E+01	1.59E-07	3.24E-02	1.70E-03	1.10E-04	5.55E-03	9.76E-03	1.64E-02	2.22E-02
1.90E+01	1.37E-07	2.63E-02	1.43E-03	9.49E-05	4.83E-03	8.00E-03	1.36E-02	1.84E-02

2.01E+01 1.17E-07 2.11E-02 1.20E-03 8.13E-05 4.11E-03 6.72E-03 1.12E-02 1.51E-02

2.13E+01 9.96E-08 1.67E-02 1.00E-03 6.91E-05 3.47E-03 5.65E-03 9.29E-03 1.26E-02

2.25E+01 8.38E-08 1.33E-02 8.21E-04 5.81E-05 2.89E-03 4.70E-03 7.67E-03 9.79E-03

2.38E+01 6.97E-08 1.04E-02 6.67E-04 4.84E-05 2.39E-03 3.87E-03 6.26E-03 7.82E-03

2.52E+01 5.75E-08 8.09E-03 5.38E-04 4.00E-05 1.95E-03 3.15E-03 5.05E-03 6.31E-03

2.67E+01 4.68E-08 6.18E-03 4.29E-04 3.26E-05 1.60E-03 2.50E-03 3.97E-03 5.03E-03

2.82E+01 3.77E-08 4.65E-03 3.38E-04 2.63E-05 1.33E-03 2.00E-03 3.03E-03 3.95E-03

2.99E+01 2.99E-08 3.44E-03 2.61E-04 2.09E-05 1.04E-03 1.58E-03 2.21E-03 2.98E-03

3.00E+01 2.94E-08 3.36E-03 2.56E-04 2.06E-05 1.02E-03 1.55E-03 2.16E-03 2.91E-03

3.16E+01 2.35E-08 2.50E-03 1.99E-04 1.65E-05 7.65E-04 1.21E-03 1.65E-03 2.10E-03

3.35E+01	1.81E-08	1.85E-03	1.50E-04	1.27E-05	5.84E-04	9.26E-04	1.25E-03	1.56E-03
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3.54E+01	1.38E-08	1.36E-03	1.11E-04	9.72E-06	4.36E-04	6.95E-04	9.28E-04	1.15E-03
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3.75E+01 1.04E-08 9.83E-04 8.12E-05 7.33E-06 3.24E-04 4.95E-04 6.54E-04 8.08E-04

3.97E+01 7.63E-09 6.97E-04 5.84E-05 5.42E-06 2.36E-04 3.57E-04 4.45E-04 5.55E-04

4.20E+01 5.52E-09 4.85E-04 4.17E-05 3.97E-06 1.67E-04 2.49E-04 3.00E-04 3.76E-04

4.44E+01 3.93E-09 3.30E-04 2.89E-05 2.80E-06 1.16E-04 1.71E-04 1.99E-04 2.65E-04

4.70E+01 2.73E-09 2.20E-04 1.96E-05 1.96E-06 7.96E-05 1.18E-04 1.36E-04 1.79E-04

4.97E+01 1.86E-09 1.43E-04 1.30E-05 1.34E-06 5.28E-05 7.92E-05 8.82E-05 1.17E-04

5.26E+01 1.24E-09 9.08E-05 8.47E-06 8.89E-07 3.39E-05 5.17E-05 5.62E-05 7.52E-05

5.57E+01 8.10E-10 5.65E-05 5.45E-06 5.81E-07 2.19E-05 3.36E-05 3.59E-05 4.69E-05

5.90E+01 5.15E-10 3.42E-05 3.38E-06 3.74E-07 1.32E-05 2.13E-05 2.22E-05 2.84E-05

6.24E+01 3.19E-10 2.04E-05 2.04E-06 2.32E-07 7.80E-06 1.29E-05 1.34E-05 1.68E-05

6.60E+01	1.13E-10	1.22E-05	1.19E-06	1.40E-07	4.42E-06	7.46E-06	8.07E-06	9.58E-06
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6.99E+01 0.00E+00 7.03E-06 6.70E-07 8.17E-08 2.49E-06 4.11E-06 4.71E-06 5.43E-06

7.39E+01 0.00E+00 3.93E-06 3.72E-07 4.63E-08 1.39E-06 2.23E-06 2.64E-06 2.93E-06

7.82E+01	0.00E+00	2.13E-06	2.01E-07	2.54E-08	7.48E-07	1.22E-06	1.45E-06	1.56E-06
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8.28E+01 0.00E+00 1.11E-06 1.04E-07 1.35E-08 3.88E-07 6.36E-07 7.64E-07 8.15E-07

8.76E+01 0.00E+00 5.57E-07 5.20E-08 6.76E-09 1.88E-07 3.08E-07 3.89E-07 4.06E-07

9.27E+01	0.00E+00	2.69E-07	2.50E-08	3.34E-09	8.79E-08	1.47E-07	1.90E-07	1.96E-07
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9.81E+01 0.00E+00 1.24E-07 1.15E-08 1.57E-09 3.85E-08 6.64E-08 8.95E-08 9.22E-08

1.00E+02 0.00E+00 9.52E-08 8.78E-09 1.21E-09 2.92E-08 5.11E-08 6.89E-08 7.09E-08

1.04E+02 0.00E+00 5.50E-08 5.07E-09 7.09E-10 1.64E-08 2.83E-08 4.03E-08 4.21E-08

1.10E+02 0.00E+00 2.32E-08 2.13E-09 3.04E-10 6.73E-09 1.11E-08 1.73E-08 1.79E-08

1.16E+02 0.00E+00 9.30E-09 8.49E-10 1.24E-10 2.68E-09 4.35E-09 7.06E-09 7.25E-09

1.23E+02 0.00E+00 3.54E-09 3.25E-10 4.85E-11 1.01E-09 1.64E-09 2.74E-09 2.80E-09

1.30E+02 0.00E+00 1.27E-09 1.17E-10 1.78E-11 3.55E-10 5.57E-10 1.01E-09 1.03E-09

1.38E+02	0.00E+00	4.30E-10	3.95E-11	6.24E-12	1.17E-10	1.84E-10	3.48E-10	3.54E-10
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1.46E+02	0.00E+00	1.37E-10	1.26E-11	2.06E-12	3.66E-11	5.83E-11	1.13E-10	1.15E-10
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1.54E+02	0.00E+00	4.07E-11	3.81E-12	6.51E-13	1.07E-11	1.67E-11	3.46E-11	3.49E-11
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1.63E+02 0.00E+00 1.13E-11 1.07E-12 1.94E-13 2.87E-12 4.88E-12 9.83E-12 9.87E-12

1.73E+02 0.00E+00 2.90E-12 2.85E-13 5.37E-14 7.30E-13 1.24E-12 2.60E-12 2.61E-12

1.83E+02 0.00E+00 6.89E-13 7.36E-14 1.36E-14 1.89E-13 4.41E-13 6.37E-13 6.37E-13

1.94E+02	0.00E+00	1.50E-13	1.87E-14	3.46E-15	4.70E-14	1.41E-13	1.44E-13	1.44E-13
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2.05E+02	0.00E+00	3.01E-14	4.34E-15	7.74E-16	1.20E-14	2.96E-14	2.97E-14	2.97E-14
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2.17E+02	0.00E+00	5.63E-15	9.03E-16	1.58E-16	4.34E-15	5.59E-15	5.60E-15	5.60E-15
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2.29E+02	0.00E+00	9.63E-16	1.70E-16	2.80E-17	9.05E-16	9.58E-16	9.59E-16	9.59E-16
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2.43E+02	0.00E+00	1.49E-16	2.86E-17	4.38E-18	1.45E-16	1.48E-16	1.48E-16	1.48E-16
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2.57E+02 0.00E+00 2.05E-17 4.26E-18 6.58E-19 2.02E-17 2.05E-17 2.05E-17 2.05E-17

2.72E+02	0.00E+00	2.53E-18	5.59E-19	8.80E-20	2.50E-18	2.53E-18	2.53E-18	2.53E-18
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2.88E+02 0.00E+00 2.77E-19 6.54E-20 1.00E-20 2.75E-19 2.77E-19 2.77E-19 2.77E-19

3.00E+02 0.00E+00 5.00E-20 1.24E-20 1.87E-21 4.97E-20 5.00E-20 5.00E-20 5.00E-20

3.05E+02 0.00E+00 2.66E-20 6.71E-21 1.01E-21 2.65E-20 2.66E-20 2.66E-20 2.66E-20

3.22E+02	0.00E+00	2.23E-21	5.97E-22	9.35E-23	2.22E-21	2.23E-21	2.23E-21	2.23E-21
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3.41E+02 0.00E+00 1.62E-22 4.58E-23 7.66E-24 1.61E-22 1.62E-22 1.62E-22 1.62E-22

3.61E+02 0.00E+00 1.01E-23 2.97E-24 5.03E-25 1.00E-23 1.01E-23 1.01E-23 1.01E-23

3.82E+02 0.00E+00 5.34E-25 1.64E-25 3.04E-26 5.32E-25 5.34E-25 5.34E-25 5.34E-25

4.04E+02	0.00E+00	2.38E-26	7.61E-27	1.39E-27	2.37E-26	2.38E-26	2.38E-26	2.38E-26
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4.28E+02 0.00E+00 8.87E-28 2.96E-28 5.82E-29 8.83E-28 8.86E-28 8.87E-28 8.87E-28

4.53E+02 0.00E+00 2.69E-29 8.99E-30 1.55E-30 2.68E-29 2.69E-29 2.69E-29 2.69E-29

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Summary of dose at graphical times, reptition 3								
Time	Dose statistics at graphical times, mrem/yr							
Years	Minimum	Maximum	Mean	Median	90%	95%	97.5%	99%
0.00E+00	4.80E-07	2.08E+00	4.16E-02	1.38E-03	5.52E-02	1.72E-01	4.35E-01	1.11E+00
1.00E+00	4.17E-07	1.51E+00	3.37E-02	1.20E-03	4.78E-02	1.48E-01	3.64E-01	8.86E-01
1.06E+00	4.14E-07	1.48E+00	3.33E-02	1.19E-03	4.74E-02	1.47E-01	3.60E-01	8.74E-01
1.12E+00	4.10E-07	1.45E+00	3.29E-02	1.18E-03	4.70E-02	1.46E-01	3.56E-01	8.62E-01
1.19E+00	4.07E-07	1.42E+00	3.25E-02	1.17E-03	4.65E-02	1.44E-01	3.52E-01	8.49E-01
1.25E+00	4.03E-07	1.39E+00	3.20E-02	1.16E-03	4.60E-02	1.43E-01	3.48E-01	8.36E-01
1.33E+00	3.99E-07	1.36E+00	3.15E-02	1.15E-03	4.56E-02	1.41E-01	3.43E-01	8.22E-01
1.40E+00	3.94E-07	1.32E+00	3.10E-02	1.13E-03	4.51E-02	1.40E-01	3.38E-01	8.08E-01
1.49E+00	3.90E-07	1.29E+00	3.05E-02	1.12E-03	4.45E-02	1.38E-01	3.33E-01	7.93E-01
1.57E+00	3.85E-07	1.25E+00	3.00E-02	1.11E-03	4.40E-02	1.36E-01	3.28E-01	7.77E-01
1.66E+00	3.80E-07	1.22E+00	2.94E-02	1.09E-03	4.34E-02	1.34E-01	3.23E-01	7.61E-01
1.76E+00	3.75E-07	1.18E+00	2.89E-02	1.08E-03	4.28E-02	1.32E-01	3.17E-01	7.45E-01
1.86E+00	3.70E-07	1.14E+00	2.83E-02	1.06E-03	4.22E-02	1.30E-01	3.12E-01	7.27E-01
1.97E+00	3.64E-07	1.10E+00	2.76E-02	1.05E-03	4.15E-02	1.28E-01	3.06E-01	7.10E-01
2.09E+00	3.58E-07	1.06E+00	2.70E-02	1.03E-03	4.08E-02	1.26E-01	3.00E-01	6.91E-01
2.21E+00	3.52E-07	1.02E+00	2.63E-02	1.01E-03	4.01E-02	1.24E-01	2.93E-01	6.72E-01
2.34E+00	3.46E-07	9.81E-01	2.57E-02	9.96E-04	3.94E-02	1.21E-01	2.87E-01	6.53E-01
2.47E+00	3.40E-07	9.39E-01	2.50E-02	9.77E-04	3.86E-02	1.19E-01	2.80E-01	6.33E-01
2.62E+00	3.33E-07	8.97E-01	2.43E-02	9.58E-04	3.78E-02	1.16E-01	2.73E-01	6.12E-01
2.77E+00	3.26E-07	8.54E-01	2.35E-02	9.37E-04	3.70E-02	1.14E-01	2.65E-01	5.92E-01
2.93E+00	3.19E-07	8.11E-01	2.28E-02	9.16E-04	3.61E-02	1.11E-01	2.58E-01	5.70E-01
3.00E+00	3.16E-07	7.94E-01	2.25E-02	9.08E-04	3.58E-02	1.10E-01	2.55E-01	5.59E-01
3.10E+00	3.11E-07	7.68E-01	2.20E-02	8.95E-04	3.52E-02	1.08E-01	2.50E-01	5.38E-01
3.28E+00	3.03E-07	7.25E-01	2.12E-02	8.72E-04	3.43E-02	1.05E-01	2.42E-01	5.12E-01
3.48E+00	2.95E-07	6.82E-01	2.05E-02	8.59E-04	3.34E-02	1.02E-01	2.34E-01	4.90E-01
3.68E+00	2.87E-07	6.39E-01	1.97E-02	8.35E-04	3.24E-02	9.93E-02	2.26E-01	4.68E-01
3.89E+00	2.79E-07	6.00E-01	1.89E-02	8.10E-04	3.14E-02	9.61E-02	2.17E-01	4.46E-01
4.12E+00	2.70E-07	5.69E-01	1.81E-02	7.85E-04	3.04E-02	9.29E-02	2.09E-01	4.24E-01
4.36E+00	2.61E-07	5.38E-01	1.72E-02	7.59E-04	2.94E-02	8.96E-02	2.00E-01	4.01E-01
4.61E+00	2.52E-07	5.07E-01	1.64E-02	7.32E-04	3.00E-02	8.63E-02	1.91E-01	3.79E-01
4.88E+00	2.43E-07	4.77E-01	1.56E-02	7.05E-04	2.88E-02	8.29E-02	1.82E-01	3.56E-01
5.17E+00	2.33E-07	4.46E-01	1.48E-02	6.78E-04	2.77E-02	7.94E-02	1.73E-01	3.34E-01
5.47E+00	2.24E-07	4.16E-01	1.40E-02	6.50E-04	2.65E-02	7.59E-02	1.64E-01	3.12E-01
5.78E+00	2.14E-07	3.86E-01	1.32E-02	6.22E-04	2.54E-02	7.24E-02	1.55E-01	2.91E-01
6.12E+00	2.04E-07	3.57E-01	1.24E-02	5.99E-04	2.45E-02	6.88E-02	1.46E-01	2.69E-01
6.48E+00	1.94E-07	3.29E-01	1.16E-02	5.70E-04	2.33E-02	6.52E-02	1.37E-01	2.48E-01
6.86E+00	1.84E-07	3.01E-01	1.09E-02	5.48E-04	2.20E-02	6.17E-02	1.28E-01	2.28E-01
7.26E+00	1.74E-07	2.74E-01	1.01E-02	5.18E-04	2.08E-02	5.81E-02	1.17E-01	2.03E-01
7.68E+00	1.64E-07	2.49E-01	9.36E-03	4.88E-04	2.04E-02	5.45E-02	1.07E-01	1.82E-01
8.13E+00	1.54E-07	2.24E-01	8.65E-03	4.59E-04	1.94E-02	5.10E-02	9.94E-02	1.67E-01
8.60E+00	1.44E-07	2.01E-01	7.95E-03	4.30E-04	1.87E-02	4.75E-02	9.17E-02	1.53E-01
9.10E+00	1.35E-07	1.79E-01	7.28E-03	4.01E-04	1.74E-02	4.41E-02	8.42E-02	1.37E-01
9.63E+00	1.25E-07	1.58E-01	6.63E-03	3.72E-04	1.61E-02	4.07E-02	7.69E-02	1.22E-01
1.00E+01	1.19E-07	1.45E-01	6.22E-03	3.54E-04	1.53E-02	3.85E-02	7.22E-02	1.12E-01
1.02E+01	1.16E-07	1.39E-01	6.01E-03	3.46E-04	1.56E-02	3.74E-02	6.99E-02	1.07E-01
1.08E+01	1.06E-07	1.21E-01	5.42E-03	3.18E-04	1.44E-02	3.37E-02	6.31E-02	9.39E-02
1.14E+01	9.74E-08	1.04E-01	4.86E-03	2.91E-04	1.31E-02	3.05E-02	5.41E-02	8.15E-02
1.21E+01	8.88E-08	8.95E-02	4.35E-03	2.66E-04	1.20E-02	2.76E-02	4.77E-02	7.01E-02
1.28E+01	8.04E-08	7.60E-02	3.87E-03	2.41E-04	1.12E-02	2.48E-02	4.21E-02	6.04E-02
1.35E+01	7.25E-08	6.39E-02	3.41E-03	2.17E-04	1.07E-02	2.22E-02	3.70E-02	5.10E-02
1.43E+01	6.49E-08	5.32E-02	2.98E-03	1.94E-04	9.14E-03	1.97E-02	3.22E-02	4.32E-02
1.51E+01	5.78E-08	4.41E-02	2.59E-03	1.73E-04	7.94E-03	1.61E-02	2.78E-02	3.65E-02
1.60E+01	5.11E-08	3.73E-02	2.23E-03	1.53E-04	7.00E-03	1.34E-02	2.40E-02	3.05E-02
1.70E+01	4.48E-08	3.13E-02	1.92E-03	1.35E-04	6.12E-03	1.17E-02	2.04E-02	2.52E-02
1.80E+01	3.91E-08	2.59E-02	1.64E-03	1.17E-04	5.36E-03	1.01E-02	1.73E-02	2.07E-02
1.90E+01	3.37E-08	2.12E-02	1.38E-03	1.01E-04	4.70E-03	8.67E-03	1.46E-02	1.68E-02

2.01E+01 2.89E-08 1.72E-02 1.15E-03 8.68E-05 3.90E-03 7.36E-03 1.17E-02 1.34E-02

2.13E+01 2.45E-08 1.41E-02 9.53E-04 7.37E-05 3.30E-03 6.20E-03 9.23E-03 1.06E-02

2.25E+01 2.06E-08 1.14E-02 7.84E-04 6.20E-05 2.86E-03 5.16E-03 7.16E-03 8.61E-03

2.38E+01 1.72E-08 9.06E-03 6.36E-04 5.16E-05 2.35E-03 4.26E-03 5.72E-03 7.07E-03

2.52E+01	1.42E-08	7.13E-03	5.12E-04	4.25E-05	1.91E-03	3.45E-03	4.35E-03	5.74E-03
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2.67E+01 1.15E-08 5.54E-03 4.09E-04 3.47E-05 1.58E-03 2.61E-03 3.31E-03 4.57E-03

2.82E+01 9.28E-09 4.24E-03 3.21E-04 2.79E-05 1.32E-03 1.95E-03 2.54E-03 3.58E-03

2.99E+01 7.37E-09 3.19E-03 2.48E-04 2.22E-05 1.04E-03 1.45E-03 1.90E-03 2.69E-03

3.00E+01 7.25E-09 3.13E-03 2.44E-04 2.18E-05 1.03E-03 1.43E-03 1.86E-03 2.63E-03

3.16E+01 5.78E-09 2.36E-03 1.89E-04 1.74E-05 8.11E-04 1.12E-03 1.42E-03 1.93E-03

3.35E+01	4.47E-09	1.75E-03	1.43E-04	1.34E-05	5.57E-04	8.53E-04	1.05E-03	1.36E-03
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3.54E+01	3.40E-09	1.28E-03	1.06E-04	1.02E-05	4.10E-04	6.12E-04	7.74E-04	9.46E-04
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3.75E+01 2.55E-09 9.24E-04 7.77E-05 7.68E-06 2.97E-04 4.53E-04 5.62E-04 6.70E-04

3.97E+01 1.88E-09 6.55E-04 5.57E-05 5.68E-06 2.16E-04 3.26E-04 4.03E-04 4.66E-04

4.20E+01 1.36E-09 4.63E-04 3.93E-05 4.09E-06 1.54E-04 2.33E-04 2.76E-04 3.17E-04

4.44E+01	9.67E-10	3.21E-04	2.72E-05	2.91E-06	1.07E-04	1.65E-04	1.85E-04	2.11E-04
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4.70E+01 6.74E-10 2.17E-04 1.86E-05 2.03E-06 7.32E-05 1.15E-04 1.20E-04 1.43E-04

4.97E+01 4.59E-10 1.44E-04 1.24E-05 1.38E-06 4.98E-05 7.72E-05 8.16E-05 9.46E-05

5.26E+01 3.06E-10 9.33E-05 8.11E-06 9.31E-07 3.15E-05 5.15E-05 5.39E-05 6.14E-05

5.57E+01 2.00E-10 5.88E-05 5.14E-06 6.07E-07 1.98E-05 3.22E-05 3.47E-05 3.85E-05

5.90E+01 8.29E-10 3.61E-05 3.19E-06 3.91E-07 1.20E-05 1.95E-05 2.16E-05 2.36E-05

6.24E+01 2.38E-10 2.16E-05 1.94E-06 2.47E-07 7.35E-06 1.17E-05 1.34E-05 1.44E-05

6.60E+01 6.35E-11 1.25E-05 1.14E-06 1.49E-07 4.24E-06 6.63E-06 8.04E-06 8.56E-06

6.99E+01 1.57E-11 7.01E-06 6.58E-07 8.69E-08 2.39E-06 3.88E-06 4.68E-06 4.86E-06

7.39E+01 3.58E-12 3.81E-06 3.65E-07 4.84E-08 1.32E-06 2.07E-06 2.64E-06 2.75E-06

7.82E+01 7.49E-13 1.99E-06 1.96E-07 2.58E-08 7.22E-07 1.13E-06 1.44E-06 1.47E-06

8.28E+01 1.43E-13 1.00E-06 1.01E-07 1.37E-08 3.53E-07 5.77E-07 7.62E-07 7.77E-07

8.76E+01 2.48E-14 4.87E-07 5.07E-08 6.91E-09 1.68E-07 2.82E-07 3.88E-07 3.95E-07

9.27E+01 3.88E-15 2.26E-07 2.44E-08 3.40E-09 8.06E-08 1.37E-07 1.90E-07 1.96E-07

9.81E+01 5.44E-16 1.00E-07 1.12E-08 1.60E-09 3.64E-08 5.99E-08 8.94E-08 9.14E-08

1.00E+02 2.76E-16 7.59E-08 8.55E-09 1.24E-09 2.74E-08 4.54E-08 6.88E-08 7.01E-08

1.04E+02 6.82E-17 4.26E-08 4.92E-09 7.13E-10 1.55E-08 2.57E-08 4.02E-08 4.07E-08

1.10E+02 7.57E-18 1.80E-08 2.07E-09 3.10E-10 6.54E-09 1.03E-08 1.73E-08 1.74E-08

1.16E+02 7.40E-19 7.34E-09 8.33E-10 1.26E-10 2.63E-09 4.11E-09 7.05E-09 7.11E-09

1.23E+02 6.31E-20 2.84E-09 3.16E-10 4.85E-11 1.00E-09 1.50E-09 2.74E-09 2.76E-09

1.30E+02 4.66E-21 1.04E-09 1.15E-10 1.78E-11 3.55E-10 5.27E-10 1.00E-09 1.01E-09

1.38E+02 2.96E-22 3.58E-10 3.90E-11 6.16E-12 1.16E-10 1.75E-10 3.48E-10 3.50E-10

1.46E+02 1.60E-23 1.16E-10 1.25E-11 1.99E-12 3.60E-11 5.95E-11 1.13E-10 1.13E-10

1.54E+02	7.31E-25	3.53E-11	3.77E-12	6.29E-13	1.04E-11	1.76E-11	3.45E-11	3.46E-11
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1.63E+02 2.78E-26 1.00E-11 1.06E-12 1.89E-13 2.90E-12 4.87E-12 9.83E-12 9.85E-12

1.73E+02 8.77E-28 2.63E-12 2.81E-13 5.64E-14 7.57E-13 1.27E-12 2.60E-12 2.60E-12

1.83E+02 2.09E-29 6.42E-13 7.23E-14 1.48E-14 1.94E-13 3.55E-13 6.36E-13 6.37E-13

1.94E+02 0.00E+00 1.45E-13 1.85E-14 3.52E-15 4.58E-14 1.41E-13 1.44E-13 1.44E-13

2.05E+02	0.00E+00	2.98E-14	4.31E-15	7.78E-16	1.25E-14	2.96E-14	2.97E-14	2.97E-14
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2.17E+02	0.00E+00	5.60E-15	9.05E-16	1.57E-16	4.48E-15	5.59E-15	5.60E-15	5.60E-15
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2.29E+02	0.00E+00	9.59E-16	1.71E-16	2.84E-17	9.36E-16	9.58E-16	9.59E-16	9.59E-16
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2.43E+02	0.00E+00	1.48E-16	2.87E-17	4.57E-18	1.46E-16	1.48E-16	1.48E-16	1.48E-16
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2.57E+02	0.00E+00	2.05E-17	4.27E-18	7.32E-19	2.04E-17	2.05E-17	2.05E-17	2.05E-17
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2.72E+02	0.00E+00	2.53E-18	5.71E-19	9.83E-20	2.52E-18	2.53E-18	2.53E-18	2.53E-18
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2.88E+02	0.00E+00	2.77E-19	6.64E-20	1.09E-20	2.76E-19	2.77E-19	2.77E-19	2.77E-19
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3.00E+02 0.00E+00 5.00E-20 1.26E-20 2.09E-21 4.98E-20 5.00E-20 5.00E-20 5.00E-20

3.05E+02 0.00E+00 2.66E-20 6.79E-21 1.16E-21 2.65E-20 2.66E-20 2.66E-20 2.66E-20

3.22E+02 0.00E+00 2.23E-21 5.98E-22 1.03E-22 2.22E-21 2.23E-21 2.23E-21 2.23E-21

3.41E+02 0.00E+00 1.62E-22 4.56E-23 7.87E-24 1.61E-22 1.62E-22 1.62E-22 1.62E-22

3.61E+02	0.00E+00	1.01E-23	2.97E-24	5.46E-25	1.01E-23	1.01E-23	1.01E-23	1.01E-23
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3.82E+02 0.00E+00 5.34E-25 1.65E-25 2.97E-26 5.33E-25 5.34E-25 5.34E-25 5.34E-25

4.04E+02 0.00E+00 2.38E-26 7.71E-27 1.47E-27 2.38E-26 2.38E-26 2.38E-26 2.38E-26

4.28E+02 0.00E+00 8.87E-28 2.99E-28 5.95E-29 8.84E-28 8.87E-28 8.87E-28 8.87E-28

4.53E+02 0.00E+00 2.69E-29 9.10E-30 1.54E-30 2.68E-29 2.69E-29 2.69E-29 2.69E-29

[illegible]

[illegible]


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

[illegible]

```
6.01E+02      0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00  0.00E+00
```

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

Probabilistic results summary : RESRAD Default Parameters

File : C:\USERS\DNF\DOCUMENTS\FT CALHOUN\RESRAD INPUT FILES\BFM INSITU UNCERTAINTY ANALYSIS\FCS BFM INSITU UA EU-155.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	4.004E-02
2	0.000E+00	4.103E-02
3	0.000E+00	4.160E-02

Title : RESRAD Default Parameters
Input File : FCS BFM INSITU UA EU-155.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	5 -0.09	5 -0.03
Contaminated zone b parameter	1 -0.09	1 -0.09	12 -0.04	12 -0.01
Evapotranspiration coefficient	6 -0.04	6 -0.04	14 0.03	14 0.01
Wind Speed	5 0.05	5 0.04	8 -0.07	8 -0.02
Runoff coefficient	4 -0.06	4 -0.06	11 -0.04	11 -0.01
b Parameter of Unsaturated zone 1	16 -0.01	16 -0.01	13 0.04	13 0.01
Mass loading for inhalation	17 0.01	17 0.01	17 0.00	17 0.00
Indoor dust filtration factor	10 0.03	10 0.03	15 -0.03	15 -0.01
Depth of soil mixing layer	9 -0.03	9 -0.03	6 0.08	6 0.02
Depth of roots	7 -0.04	7 -0.04	2 0.47	2 0.17
Wet weight crop yield of fruit, grain and non-leafy vegetables	3 0.07	3 0.07	9 0.05	9 0.02
Weathering removal constant of all vegetation	15 0.01	15 0.01	4 -0.10	4 -0.03
Wet foliar interception fraction of leafy vegetables	11 -0.02	11 -0.02	16 -0.01	16 0.00
Humidity in air	2 0.08	2 0.08	10 0.05	10 0.02
Cover erosion rate	12 -0.02	12 -0.02	3 0.12	3 0.04
Kd of Eu-155 in Contaminated Zone	8 -0.04	8 -0.04	1 -0.94	1 -0.93
Kd of Eu-155 in Saturated Zone	14 -0.01	14 -0.01	7 0.07	7 0.02
R-SQUARE	0.03	0.03	0.90	0.90

-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 EU-155.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 -0.02	7 -0.02	17 0.00	17 0.00
Contaminated zone b parameter	8 0.01	8 0.01	7 0.04	7 0.01
Evapotranspiration coefficient	15 0.00	15 0.00	16 0.00	16 0.00
Wind Speed	2 0.06	2 0.06	14 0.00	14 0.00
Runoff coefficient	11 0.01	11 0.01	11 0.03	11 0.01
b Parameter of Unsaturated zone 1	14 -0.01	14 -0.01	5 -0.05	5 -0.02
Mass loading for inhalation	12 -0.01	12 -0.01	6 -0.05	6 -0.02
Indoor dust filtration factor	3 -0.05	3 -0.05	10 -0.04	10 -0.01
Depth of soil mixing layer	1 0.07	1 0.07	8 -0.04	8 -0.01
Depth of roots	13 -0.01	13 -0.01	2 0.52	2 0.18
Wet weight crop yield of fruit, grain and non-leafy vegetables	9 0.01	9 0.01	13 0.02	13 0.00
Weathering removal constant of all vegetation	10 -0.01	10 -0.01	15 0.00	15 0.00
Wet foliar interception fraction of leafy vegetables	4 0.05	4 0.05	4 0.06	4 0.02
Humidity in air	17 0.00	17 0.00	9 -0.04	9 -0.01
Cover erosion rate	16 0.00	16 0.00	3 0.11	3 0.03
Kd of Eu-155 in Contaminated Zone	6 -0.02	6 -0.02	1 -0.95	1 -0.93
Kd of Eu-155 in Saturated Zone	5 0.03	5 0.03	12 0.03	12 0.01
R-SQUARE	0.02	0.02	0.91	0.91

-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 EU-155.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	12	0.01	12	0.01	16	0.01	16	0.00
Contaminated zone b parameter	14	0.00	14	0.00	15	0.01	15	0.00
Evapotranspiration coefficient	15	0.00	15	0.00	6	-0.05	6	-0.02
Wind Speed	3	-0.07	3	-0.06	9	-0.04	9	-0.01
Runoff coefficient	5	-0.05	5	-0.05	4	-0.08	4	-0.02
b Parameter of Unsaturated zone 1	13	0.00	13	0.00	8	-0.04	8	-0.01
Mass loading for inhalation	1	0.11	1	0.11	10	-0.03	10	-0.01
Indoor dust filtration factor	9	-0.03	9	-0.03	7	-0.04	7	-0.01
Depth of soil mixing layer	17	0.00	17	0.00	11	0.02	11	0.01
Depth of roots	4	0.06	4	0.06	2	0.53	2	0.18
Wet weight crop yield of fruit, grain and non-leafy vegetables	6	-0.05	6	-0.05	14	0.01	14	0.00
Weathering removal constant of all vegetation	10	-0.02	10	-0.02	17	0.00	17	0.00
Wet foliar interception fraction of leafy vegetables	11	0.01	11	0.01	13	0.02	13	0.00
Humidity in air	8	-0.03	8	-0.03	12	0.02	12	0.01
Cover erosion rate	2	0.08	2	0.08	3	0.12	3	0.04
Kd of Eu-155 in Contaminated Zone	7	-0.03	7	-0.03	1	-0.96	1	-0.94
Kd of Eu-155 in Saturated Zone	16	0.00	16	0.00	5	-0.07	5	-0.02
R-SQUARE	0.03		0.03		0.92		0.92	

-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.