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Probabilistic Input

Number of Sample Runs: 1500

Number	Name	Distribution	Parameters																
1	VCZ	CONTINUOUS LOGARITHMIC4	5.E-8	0	.0007	.22	.005	.95	.2	1									
2	BCZ	BOUNDED LOGNORMAL-N	1.28	.334	1.28	10.1													
3	EVAPTR	UNIFORM	.5	.99															
4	WIND	UNIFORM	2.8	4.7															
5	RUNOFF	UNIFORM	.1	.8															
6	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 LOGARITHMIC4	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															
18	DWIBWT	CONTINUOUS LINEAR	6	5	0	24	.29	43	.66	53	.68	76	.95	89	1				

Probabilistic results summary : RESRAD Default Parameters

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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
Ni-59										
Min	0.00E+00	3.00E-08	6.25E-10	6.63E-10	7.37E-10	9.99E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	1.00E+03	5.41E-04	3.98E-04	4.06E-04	4.78E-04	1.46E-04	1.53E-04	1.06E-04	2.45E-04	2.39E-04
Avg	5.68E+01	4.42E-05	3.50E-05	3.17E-05	2.96E-05	2.48E-05	1.87E-05	1.27E-05	8.19E-06	2.41E-06
Std	1.56E+02	3.43E-05	2.52E-05	2.45E-05	2.69E-05	2.18E-05	1.94E-05	1.78E-05	1.82E-05	1.28E-05
ALL										
Min	0.00E+00	3.00E-08	6.25E-10	6.63E-10	7.37E-10	9.99E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	1.00E+03	5.41E-04	3.98E-04	4.06E-04	4.78E-04	1.46E-04	1.53E-04	1.06E-04	2.45E-04	2.39E-04
Avg	5.68E+01	4.42E-05	3.50E-05	3.17E-05	2.96E-05	2.48E-05	1.87E-05	1.27E-05	8.19E-06	2.41E-06
Std	1.56E+02	3.43E-05	2.52E-05	2.45E-05	2.69E-05	2.18E-05	1.94E-05	1.78E-05	1.82E-05	1.28E-05

ALL is total dose summed for all nuclides.

Probabilistic Risk Summary

Nuclide		RISK(j,t)							
(j)	t=	0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
<hr/>									
Ni-59									
Min		2.56E-14	2.71E-14	3.03E-14	4.13E-14	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		3.28E-08	1.46E-08	2.45E-08	6.47E-09	8.49E-09	5.91E-09	1.36E-08	1.33E-08
Avg		2.14E-09	1.75E-09	1.61E-09	1.33E-09	1.00E-09	6.82E-10	4.46E-10	1.32E-10
Std		2.12E-09	1.23E-09	1.38E-09	1.16E-09	1.07E-09	9.89E-10	1.01E-09	7.12E-10
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ALL									
Min		2.56E-14	2.71E-14	3.03E-14	4.13E-14	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		3.28E-08	1.46E-08	2.45E-08	6.47E-09	8.49E-09	5.91E-09	1.36E-08	1.33E-08
Avg		2.14E-09	1.75E-09	1.61E-09	1.33E-09	1.00E-09	6.82E-10	4.46E-10	1.32E-10
Std		2.12E-09	1.23E-09	1.38E-09	1.16E-09	1.07E-09	9.89E-10	1.01E-09	7.12E-10
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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
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 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	4.05E-12	4.60E-09	4.31E-09	7.19E-09	7.02E-09	7.29E-09
Avg		0.00E+00	0.00E+00	2.70E-15	1.48E-11	1.20E-11	1.42E-11	5.70E-11	4.52E-11
Std		0.00E+00	0.00E+00	1.05E-13	1.81E-10	1.84E-10	2.45E-10	3.85E-10	3.69E-10
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	4.05E-12	4.60E-09	4.31E-09	7.19E-09	7.02E-09	7.29E-09
Avg		0.00E+00	0.00E+00	2.70E-15	1.48E-11	1.20E-11	1.42E-11	5.70E-11	4.52E-11
Std		0.00E+00	0.00E+00	1.05E-13	1.81E-10	1.84E-10	2.45E-10	3.85E-10	3.69E-10

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

Nuclide		DOSE(i,j,t), mrem/yr							
(j)	t=	0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
<hr/>									
Ni-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		5.76E-05	5.75E-05	7.34E-05	6.80E-05	9.42E-05	7.61E-05	1.60E-04	1.64E-04
Avg		2.09E-05	1.91E-05	1.74E-05	1.43E-05	1.09E-05	7.71E-06	5.08E-06	1.40E-06
Std		1.46E-05	1.46E-05	1.47E-05	1.42E-05	1.37E-05	1.28E-05	1.24E-05	7.98E-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		5.76E-05	5.75E-05	7.34E-05	6.80E-05	9.42E-05	7.61E-05	1.60E-04	1.64E-04
Avg		2.09E-05	1.91E-05	1.74E-05	1.43E-05	1.09E-05	7.71E-06	5.08E-06	1.40E-06
Std		1.46E-05	1.46E-05	1.47E-05	1.42E-05	1.37E-05	1.28E-05	1.24E-05	7.98E-06
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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
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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		7.69E-07	7.68E-07	9.80E-07	2.47E-06	2.76E-06	1.84E-06	3.75E-06	8.21E-06
Avg		2.84E-07	2.58E-07	2.34E-07	1.97E-07	1.51E-07	1.07E-07	9.07E-08	3.89E-08
Std		1.96E-07	1.95E-07	1.96E-07	2.06E-07	2.08E-07	1.86E-07	2.60E-07	2.85E-07
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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		7.69E-07	7.68E-07	9.80E-07	2.47E-06	2.76E-06	1.84E-06	3.75E-06	8.21E-06
Avg		2.84E-07	2.58E-07	2.34E-07	1.97E-07	1.51E-07	1.07E-07	9.07E-08	3.89E-08
Std		1.96E-07	1.95E-07	1.96E-07	2.06E-07	2.08E-07	1.86E-07	2.60E-07	2.85E-07
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ALL 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
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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		2.21E-05	2.21E-05	2.82E-05	4.53E-05	5.47E-05	3.38E-05	8.13E-05	1.19E-04
Avg		8.11E-06	7.40E-06	6.71E-06	5.56E-06	4.26E-06	3.01E-06	2.23E-06	7.86E-07
Std		5.63E-06	5.61E-06	5.63E-06	5.60E-06	5.49E-06	5.01E-06	5.72E-06	4.93E-06
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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		2.21E-05	2.21E-05	2.82E-05	4.53E-05	5.47E-05	3.38E-05	8.13E-05	1.19E-04
Avg		8.11E-06	7.40E-06	6.71E-06	5.56E-06	4.26E-06	3.01E-06	2.23E-06	7.86E-07
Std		5.63E-06	5.61E-06	5.63E-06	5.60E-06	5.49E-06	5.01E-06	5.72E-06	4.93E-06
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ALL 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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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	5.46E-10	4.84E-07	4.66E-07	5.00E-07	7.56E-07	2.20E-06
Avg		0.00E+00	0.00E+00	3.64E-13	1.89E-09	1.74E-09	1.30E-09	7.09E-09	6.27E-09
Std		0.00E+00	0.00E+00	1.41E-11	1.95E-08	2.36E-08	1.96E-08	4.43E-08	6.85E-08
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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	5.46E-10	4.84E-07	4.66E-07	5.00E-07	7.56E-07	2.20E-06
Avg		0.00E+00	0.00E+00	3.64E-13	1.89E-09	1.74E-09	1.30E-09	7.09E-09	6.27E-09
Std		0.00E+00	0.00E+00	1.41E-11	1.95E-08	2.36E-08	1.96E-08	4.43E-08	6.85E-08
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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
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Ni-59									
Min		2.33E-10	2.40E-10	2.54E-10	3.03E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		3.13E-04	2.85E-04	3.42E-04	1.15E-04	5.82E-05	1.73E-05	5.94E-06	1.80E-06
Avg		4.34E-06	3.70E-06	3.97E-06	3.62E-06	2.58E-06	1.38E-06	5.86E-07	1.40E-07
Std		1.32E-05	1.21E-05	1.52E-05	9.90E-06	5.34E-06	2.10E-06	8.58E-07	2.56E-07
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ALL									
Min		2.33E-10	2.40E-10	2.54E-10	3.03E-10	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		3.13E-04	2.85E-04	3.42E-04	1.15E-04	5.82E-05	1.73E-05	5.94E-06	1.80E-06
Avg		4.34E-06	3.70E-06	3.97E-06	3.62E-06	2.58E-06	1.38E-06	5.86E-07	1.40E-07
Std		1.32E-05	1.21E-05	1.52E-05	9.90E-06	5.34E-06	2.10E-06	8.58E-07	2.56E-07
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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
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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
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ALL is total pathway dose summed for all nuclides.

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\BP INSITU UA\FCS BURIED PIPE 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
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Ni-59									
Min		2.89E-11	3.07E-11	3.41E-11	4.05E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		1.61E-05	3.03E-05	3.67E-05	1.61E-05	6.72E-06	4.02E-06	1.09E-06	3.50E-07
Avg		3.85E-07	3.39E-07	3.64E-07	3.31E-07	2.36E-07	1.33E-07	5.69E-08	1.29E-08
Std		1.04E-06	1.18E-06	1.50E-06	9.81E-07	5.18E-07	2.60E-07	1.03E-07	2.79E-08
ALL									
Min		2.89E-11	3.07E-11	3.41E-11	4.05E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		1.61E-05	3.03E-05	3.67E-05	1.61E-05	6.72E-06	4.02E-06	1.09E-06	3.50E-07
Avg		3.85E-07	3.39E-07	3.64E-07	3.31E-07	2.36E-07	1.33E-07	5.69E-08	1.29E-08
Std		1.04E-06	1.18E-06	1.50E-06	9.81E-07	5.18E-07	2.60E-07	1.03E-07	2.79E-08
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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\BP INSITU UA\FCS BURIED PIPE 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
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Ni-59									
Min		3.31E-12	3.41E-12	3.62E-12	4.32E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		3.11E-06	3.22E-06	4.17E-06	1.31E-06	6.68E-07	1.88E-07	7.20E-08	2.15E-08
Avg		4.89E-08	4.01E-08	4.31E-08	3.95E-08	2.81E-08	1.51E-08	6.47E-09	1.53E-09
Std		1.45E-07	1.31E-07	1.70E-07	1.09E-07	5.80E-08	2.33E-08	9.61E-09	2.83E-09
ALL									
Min		3.31E-12	3.41E-12	3.62E-12	4.32E-12	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max		3.11E-06	3.22E-06	4.17E-06	1.31E-06	6.68E-07	1.88E-07	7.20E-08	2.15E-08
Avg		4.89E-08	4.01E-08	4.31E-08	3.95E-08	2.81E-08	1.51E-08	6.47E-09	1.53E-09
Std		1.45E-07	1.31E-07	1.70E-07	1.09E-07	5.80E-08	2.33E-08	9.61E-09	2.83E-09
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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\BP INSITU UA\FCS BURIED PIPE INSITU UA NI-59.RAD

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

Nuclide (j)	DOSE(i,j,t), mrem/yr							
	t= 0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
Ni-59								
Min	7.26E-11	7.48E-11	7.92E-11	9.45E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	5.33E-05	6.66E-05	8.43E-05	2.77E-05	1.35E-05	3.71E-06	1.52E-06	4.68E-07
Avg	9.45E-07	7.91E-07	8.51E-07	7.77E-07	5.54E-07	2.99E-07	1.28E-07	3.01E-08
Std	2.71E-06	2.64E-06	3.39E-06	2.17E-06	1.15E-06	4.66E-07	1.94E-07	5.67E-08
ALL								
Min	7.26E-11	7.48E-11	7.92E-11	9.45E-11	0.00E+00	0.00E+00	0.00E+00	0.00E+00
Max	5.33E-05	6.66E-05	8.43E-05	2.77E-05	1.35E-05	3.71E-06	1.52E-06	4.68E-07
Avg	9.45E-07	7.91E-07	8.51E-07	7.77E-07	5.54E-07	2.99E-07	1.28E-07	3.01E-08
Std	2.71E-06	2.64E-06	3.39E-06	2.17E-06	1.15E-06	4.66E-07	1.94E-07	5.67E-08

ALL is total pathway dose summed for all nuclides.

Cumulative Probability Summary for: Total Dose Over Pathways									
Cumulative	Dose(t), mrem/yr								
Probability	t=	0.00E+00	1.00E+00	3.00E+00	1.00E+01	3.00E+01	1.00E+02	3.00E+02	1.00E+03
0.025		4.00E-08	4.85E-08	4.84E-08	5.10E-08	2.87E-08	3.40E-19	0.00E+00	0.00E+00
0.050		1.49E-07	1.96E-07	1.59E-07	1.34E-07	9.24E-08	1.01E-09	0.00E+00	0.00E+00
0.075		3.71E-07	4.13E-07	3.93E-07	2.67E-07	1.64E-07	1.95E-08	5.95E-27	0.00E+00
0.100		7.00E-07	7.90E-07	6.51E-07	4.43E-07	2.46E-07	4.75E-08	3.45E-16	0.00E+00
0.125		1.69E-06	1.53E-06	1.26E-06	6.81E-07	3.87E-07	9.15E-08	4.11E-12	0.00E+00
0.150		3.17E-06	2.55E-06	1.88E-06	1.03E-06	5.47E-07	1.38E-07	2.70E-09	0.00E+00
0.175		7.72E-06	4.38E-06	2.94E-06	1.48E-06	7.56E-07	2.13E-07	1.10E-08	0.00E+00
0.200		1.65E-05	6.56E-06	4.39E-06	2.23E-06	9.99E-07	3.17E-07	2.36E-08	0.00E+00
0.225		2.32E-05	1.23E-05	6.18E-06	3.31E-06	1.33E-06	4.22E-07	4.45E-08	0.00E+00
0.250		2.41E-05	1.82E-05	9.04E-06	4.27E-06	1.84E-06	5.39E-07	7.90E-08	0.00E+00
0.275		2.49E-05	2.22E-05	1.32E-05	5.63E-06	2.28E-06	6.95E-07	1.10E-07	0.00E+00
0.300		2.57E-05	2.31E-05	1.67E-05	7.31E-06	3.10E-06	8.95E-07	1.43E-07	0.00E+00
0.325		2.65E-05	2.38E-05	1.97E-05	9.53E-06	3.79E-06	1.11E-06	2.13E-07	0.00E+00
0.350		2.73E-05	2.48E-05	2.22E-05	1.18E-05	4.49E-06	1.38E-06	2.84E-07	6.10E-21
0.375		2.82E-05	2.56E-05	2.32E-05	1.47E-05	5.61E-06	1.63E-06	3.45E-07	1.49E-15
0.400		2.91E-05	2.62E-05	2.41E-05	1.76E-05	6.55E-06	2.01E-06	4.27E-07	5.38E-12
0.425		2.99E-05	2.71E-05	2.48E-05	1.95E-05	7.80E-06	2.45E-06	5.23E-07	3.35E-10
0.450		3.08E-05	2.79E-05	2.57E-05	2.12E-05	9.59E-06	2.94E-06	6.24E-07	3.80E-09
0.475		3.19E-05	2.91E-05	2.63E-05	2.27E-05	1.16E-05	3.56E-06	7.36E-07	1.06E-08
0.500		3.28E-05	3.00E-05	2.73E-05	2.36E-05	1.38E-05	3.96E-06	8.76E-07	2.21E-08
0.525		3.40E-05	3.09E-05	2.86E-05	2.45E-05	1.62E-05	4.86E-06	1.03E-06	3.65E-08
0.550		3.53E-05	3.21E-05	2.97E-05	2.56E-05	1.77E-05	5.48E-06	1.20E-06	5.86E-08
0.575		3.64E-05	3.31E-05	3.07E-05	2.65E-05	1.96E-05	6.57E-06	1.42E-06	8.66E-08
0.600		3.77E-05	3.44E-05	3.19E-05	2.74E-05	2.16E-05	7.81E-06	1.70E-06	1.06E-07
0.625		3.89E-05	3.58E-05	3.32E-05	2.87E-05	2.27E-05	8.99E-06	2.04E-06	1.34E-07
0.650		4.05E-05	3.71E-05	3.43E-05	3.01E-05	2.37E-05	1.15E-05	2.45E-06	1.68E-07
0.675		4.20E-05	3.87E-05	3.58E-05	3.10E-05	2.49E-05	1.35E-05	2.87E-06	2.14E-07
0.700		4.44E-05	4.01E-05	3.69E-05	3.28E-05	2.62E-05	1.60E-05	3.63E-06	2.73E-07
0.725		4.60E-05	4.18E-05	3.85E-05	3.45E-05	2.79E-05	1.79E-05	4.48E-06	3.32E-07
0.750		4.82E-05	4.38E-05	4.03E-05	3.62E-05	2.95E-05	2.05E-05	5.71E-06	4.03E-07
0.775		4.99E-05	4.59E-05	4.30E-05	3.82E-05	3.12E-05	2.20E-05	8.11E-06	4.79E-07
0.800		5.23E-05	4.80E-05	4.55E-05	4.04E-05	3.33E-05	2.35E-05	1.16E-05	5.49E-07
0.825		5.50E-05	5.09E-05	4.85E-05	4.34E-05	3.55E-05	2.50E-05	1.50E-05	6.58E-07
0.850		5.76E-05	5.35E-05	5.11E-05	4.59E-05	3.87E-05	2.75E-05	1.76E-05	8.25E-07
0.875		6.07E-05	5.68E-05	5.54E-05	5.06E-05	4.15E-05	3.05E-05	2.20E-05	1.11E-06
0.900		6.41E-05	6.02E-05	5.91E-05	5.50E-05	4.55E-05	3.72E-05	2.77E-05	1.85E-06
0.925		6.79E-05	6.40E-05	6.37E-05	5.95E-05	5.08E-05	4.43E-05	3.31E-05	4.17E-06
0.950		7.34E-05	7.00E-05	6.93E-05	6.52E-05	5.76E-05	5.15E-05	4.34E-05	9.56E-06
0.975		7.97E-05	7.69E-05	7.66E-05	7.50E-05	6.58E-05	6.36E-05	6.26E-05	2.66E-05
1.000		3.98E-04	4.06E-04	4.78E-04	1.46E-04	1.53E-04	1.06E-04	2.45E-04	2.39E-04

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	9.27E-10	1.66E-04	3.48E-05	3.21E-05	6.38E-05	7.46E-05	8.14E-05	9.86E-05
1.00E+00	1.00E-09	1.90E-04	3.16E-05	2.96E-05	6.18E-05	7.06E-05	7.89E-05	1.08E-04
1.06E+00	1.01E-09	1.94E-04	3.15E-05	2.96E-05	6.15E-05	7.05E-05	7.88E-05	1.10E-04
1.12E+00	1.01E-09	1.99E-04	3.14E-05	2.94E-05	6.11E-05	7.05E-05	7.88E-05	1.11E-04
1.19E+00	1.02E-09	2.03E-04	3.13E-05	2.93E-05	6.07E-05	7.04E-05	7.87E-05	1.12E-04
1.25E+00	1.02E-09	2.07E-04	3.12E-05	2.92E-05	6.07E-05	7.05E-05	7.86E-05	1.14E-04
1.33E+00	1.03E-09	2.12E-04	3.11E-05	2.91E-05	6.07E-05	7.05E-05	7.85E-05	1.15E-04
1.40E+00	1.03E-09	2.17E-04	3.10E-05	2.91E-05	6.07E-05	7.04E-05	7.84E-05	1.16E-04
1.49E+00	1.04E-09	2.22E-04	3.09E-05	2.90E-05	6.07E-05	7.04E-05	7.83E-05	1.18E-04
1.57E+00	1.05E-09	2.27E-04	3.08E-05	2.88E-05	6.05E-05	7.05E-05	7.82E-05	1.19E-04
1.66E+00	1.05E-09	2.32E-04	3.07E-05	2.87E-05	6.02E-05	7.02E-05	7.81E-05	1.21E-04
1.76E+00	1.06E-09	2.37E-04	3.06E-05	2.86E-05	6.03E-05	7.02E-05	7.79E-05	1.23E-04
1.86E+00	1.07E-09	2.43E-04	3.05E-05	2.86E-05	6.03E-05	7.00E-05	7.86E-05	1.22E-04
1.97E+00	1.08E-09	2.48E-04	3.04E-05	2.86E-05	6.03E-05	6.99E-05	7.89E-05	1.20E-04
2.09E+00	1.09E-09	2.54E-04	3.03E-05	2.81E-05	6.03E-05	6.98E-05	7.88E-05	1.17E-04
2.21E+00	1.10E-09	2.60E-04	3.02E-05	2.80E-05	6.07E-05	6.97E-05	7.88E-05	1.14E-04
2.34E+00	1.11E-09	2.66E-04	3.01E-05	2.77E-05	6.07E-05	6.97E-05	7.88E-05	1.11E-04
2.47E+00	1.12E-09	2.72E-04	2.99E-05	2.76E-05	6.07E-05	6.97E-05	7.87E-05	1.08E-04
2.62E+00	1.13E-09	2.78E-04	2.98E-05	2.75E-05	6.07E-05	6.97E-05	7.87E-05	1.05E-04
2.77E+00	1.14E-09	2.84E-04	2.97E-05	2.71E-05	6.09E-05	6.99E-05	7.86E-05	1.05E-04
2.93E+00	1.15E-09	2.90E-04	2.95E-05	2.70E-05	6.07E-05	6.98E-05	7.85E-05	1.06E-04
3.00E+00	1.16E-09	2.93E-04	2.95E-05	2.68E-05	6.07E-05	7.01E-05	7.83E-05	1.06E-04
3.10E+00	1.16E-09	2.96E-04	2.94E-05	2.67E-05	6.07E-05	7.01E-05	7.78E-05	1.06E-04
3.28E+00	1.18E-09	3.00E-04	2.93E-05	2.66E-05	6.13E-05	7.00E-05	7.77E-05	1.06E-04
3.48E+00	1.19E-09	2.97E-04	2.93E-05	2.64E-05	6.13E-05	7.06E-05	7.84E-05	1.06E-04
3.68E+00	1.21E-09	2.90E-04	2.92E-05	2.63E-05	6.12E-05	7.04E-05	7.86E-05	1.31E-04
3.89E+00	1.23E-09	2.77E-04	2.91E-05	2.62E-05	6.11E-05	6.96E-05	7.86E-05	1.43E-04
4.12E+00	1.24E-09	2.59E-04	2.90E-05	2.59E-05	6.09E-05	6.96E-05	7.81E-05	1.43E-04
4.36E+00	1.26E-09	2.40E-04	2.88E-05	2.57E-05	6.08E-05	6.97E-05	7.80E-05	1.44E-04
4.61E+00	1.28E-09	2.33E-04	2.86E-05	2.56E-05	6.07E-05	6.96E-05	7.79E-05	1.44E-04
4.88E+00	1.30E-09	2.35E-04	2.84E-05	2.55E-05	6.05E-05	6.96E-05	7.79E-05	1.44E-04
5.17E+00	1.32E-09	2.32E-04	2.81E-05	2.53E-05	6.05E-05	6.95E-05	7.78E-05	1.44E-04
5.47E+00	1.35E-09	2.25E-04	2.79E-05	2.51E-05	6.01E-05	6.87E-05	7.76E-05	1.44E-04
5.78E+00	1.37E-09	2.15E-04	2.77E-05	2.50E-05	6.03E-05	6.82E-05	7.75E-05	1.45E-04
6.12E+00	1.40E-09	2.03E-04	2.74E-05	2.48E-05	5.98E-05	6.78E-05	7.74E-05	1.36E-04
6.48E+00	1.42E-09	1.91E-04	2.71E-05	2.47E-05	5.96E-05	6.75E-05	7.75E-05	1.22E-04
6.86E+00	1.45E-09	1.78E-04	2.69E-05	2.43E-05	5.93E-05	6.74E-05	7.80E-05	1.08E-04
7.26E+00	1.48E-09	1.65E-04	2.66E-05	2.41E-05	5.90E-05	6.72E-05	7.79E-05	1.08E-04
7.68E+00	1.52E-09	1.52E-04	2.63E-05	2.40E-05	5.88E-05	6.72E-05	7.79E-05	1.08E-04
8.13E+00	1.55E-09	1.45E-04	2.60E-05	2.38E-05	5.85E-05	6.70E-05	7.75E-05	9.65E-05
8.60E+00	1.59E-09	1.46E-04	2.57E-05	2.35E-05	5.82E-05	6.61E-05	7.73E-05	8.85E-05
9.10E+00	1.62E-09	1.46E-04	2.54E-05	2.34E-05	5.76E-05	6.63E-05	7.55E-05	8.86E-05
9.63E+00	1.67E-09	1.46E-04	2.51E-05	2.32E-05	5.68E-05	6.67E-05	7.53E-05	8.86E-05
1.00E+01	1.69E-09	1.46E-04	2.49E-05	2.28E-05	5.64E-05	6.69E-05	7.53E-05	8.54E-05
1.02E+01	1.71E-09	1.46E-04	2.48E-05	2.27E-05	5.64E-05	6.59E-05	7.53E-05	8.31E-05
1.08E+01	1.75E-09	1.47E-04	2.45E-05	2.25E-05	5.63E-05	6.54E-05	7.48E-05	8.36E-05
1.14E+01	1.80E-09	1.47E-04	2.43E-05	2.21E-05	5.62E-05	6.49E-05	7.48E-05	8.41E-05
1.21E+01	1.85E-09	1.48E-04	2.40E-05	2.14E-05	5.56E-05	6.55E-05	7.47E-05	8.44E-05
1.28E+01	1.91E-09	1.45E-04	2.37E-05	2.08E-05	5.54E-05	6.56E-05	7.48E-05	8.47E-05
1.35E+01	1.96E-09	1.45E-04	2.33E-05	2.00E-05	5.54E-05	6.67E-05	7.49E-05	8.50E-05
1.43E+01	2.02E-09	1.45E-04	2.28E-05	1.96E-05	5.49E-05	6.55E-05	7.41E-05	8.11E-05
1.51E+01	2.09E-09	1.45E-04	2.26E-05	1.95E-05	5.44E-05	6.48E-05	7.38E-05	8.11E-05
1.60E+01	2.16E-09	1.45E-04	2.23E-05	1.91E-05	5.39E-05	6.48E-05	7.27E-05	8.07E-05
1.70E+01	4.39E-11	1.45E-04	2.20E-05	1.87E-05	5.31E-05	6.41E-05	7.24E-05	7.88E-05
1.80E+01	4.21E-13	1.13E-04	2.16E-05	1.82E-05	5.27E-05	6.35E-05	7.20E-05	7.67E-05
1.90E+01	3.07E-15	1.08E-04	2.13E-05	1.75E-05	5.23E-05	6.33E-05	7.14E-05	7.62E-05

2.01E+01 1.69E-17 1.08E-04 2.10E-05 1.73E-05 5.15E-05 6.31E-05 7.11E-05 7.60E-05

2.13E+01 6.83E-20 1.07E-04 2.07E-05 1.65E-05 5.11E-05 6.26E-05 7.01E-05 7.58E-05

2.25E+01 2.01E-22 8.88E-05 2.03E-05 1.57E-05 5.07E-05 6.15E-05 6.85E-05 7.51E-05

2.38E+01 4.20E-25 8.88E-05 2.00E-05 1.58E-05 4.94E-05 5.95E-05 6.72E-05 7.51E-05

2.52E+01 6.14E-28 8.88E-05 1.97E-05 1.52E-05 4.87E-05 5.92E-05 6.68E-05 7.51E-05

2.67E+01 0.00E+00 8.08E-05 1.94E-05 1.45E-05 4.84E-05 5.90E-05 6.65E-05 7.43E-05

2.82E+01 0.00E+00 8.08E-05 1.92E-05 1.43E-05 4.82E-05 5.86E-05 6.61E-05 7.43E-05

2.99E+01 0.00E+00 8.07E-05 1.89E-05 1.36E-05 4.76E-05 5.84E-05 6.56E-05 7.36E-05

3.00E+01	0.00E+00	8.07E-05	1.89E-05	1.36E-05	4.76E-05	5.83E-05	6.58E-05	7.35E-05
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3.16E+01 0.00E+00 8.07E-05 1.86E-05 1.23E-05 4.75E-05 5.95E-05 6.58E-05 7.37E-05

3.35E+01	0.00E+00	8.84E-05	1.83E-05	1.16E-05	4.73E-05	5.93E-05	6.69E-05	7.40E-05
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3.54E+01	0.00E+00	8.84E-05	1.79E-05	1.12E-05	4.63E-05	5.89E-05	6.77E-05	7.42E-05
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3.75E+01 0.00E+00 8.82E-05 1.75E-05 1.07E-05 4.61E-05 6.03E-05 6.74E-05 7.42E-05

3.97E+01 0.00E+00 8.81E-05 1.72E-05 9.99E-06 4.55E-05 6.00E-05 6.69E-05 7.42E-05

4.20E+01 0.00E+00 8.79E-05 1.69E-05 9.43E-06 4.48E-05 5.96E-05 6.61E-05 7.63E-05

4.44E+01 0.00E+00 8.77E-05 1.67E-05 8.76E-06 4.41E-05 5.86E-05 6.53E-05 8.03E-05

4.70E+01 0.00E+00 8.75E-05 1.64E-05 8.30E-06 4.33E-05 5.75E-05 6.49E-05 8.02E-05

4.97E+01 0.00E+00 8.73E-05 1.61E-05 7.72E-06 4.25E-05 5.70E-05 6.45E-05 8.02E-05

5.26E+01	0.00E+00	8.70E-05	1.58E-05	7.33E-06	4.22E-05	5.63E-05	6.42E-05	8.01E-05
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5.57E+01 0.00E+00 8.68E-05 1.56E-05 6.87E-06 4.24E-05 5.61E-05 6.41E-05 8.00E-05

5.90E+01 0.00E+00 8.65E-05 1.54E-05 6.68E-06 4.32E-05 5.62E-05 6.40E-05 7.99E-05

6.24E+01	0.00E+00	8.63E-05	1.52E-05	6.28E-06	4.25E-05	5.67E-05	6.59E-05	8.25E-05
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6.60E+01	0.00E+00	9.00E-05	1.49E-05	6.24E-06	4.21E-05	5.56E-05	6.54E-05	8.24E-05
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6.99E+01	0.00E+00	8.99E-05	1.47E-05	6.20E-06	4.19E-05	5.51E-05	6.49E-05	8.23E-05
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7.39E+01	0.00E+00	8.99E-05	1.45E-05	6.07E-06	4.21E-05	5.50E-05	6.52E-05	8.20E-05
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7.82E+01 0.00E+00 1.07E-04 1.43E-05 5.71E-06 4.18E-05 5.45E-05 6.47E-05 8.22E-05

8.28E+01 0.00E+00 1.07E-04 1.41E-05 5.32E-06 4.16E-05 5.42E-05 6.44E-05 8.22E-05

8.76E+01 0.00E+00 1.06E-04 1.40E-05 5.10E-06 4.15E-05 5.60E-05 6.55E-05 8.43E-05

9.27E+01	0.00E+00	1.06E-04	1.37E-05	4.77E-06	4.10E-05	5.69E-05	6.51E-05	8.39E-05
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9.81E+01 0.00E+00 1.06E-04 1.35E-05 4.43E-06 4.10E-05 5.63E-05 6.47E-05 8.35E-05

1.00E+02 0.00E+00 1.06E-04 1.34E-05 4.25E-06 4.05E-05 5.61E-05 6.43E-05 8.33E-05

1.04E+02 0.00E+00 1.06E-04 1.32E-05 4.02E-06 3.96E-05 5.52E-05 6.38E-05 8.30E-05

1.10E+02 0.00E+00 1.06E-04 1.30E-05 3.79E-06 4.04E-05 5.51E-05 6.37E-05 8.53E-05

1.16E+02 0.00E+00 1.06E-04 1.27E-05 3.79E-06 3.87E-05 5.44E-05 6.33E-05 8.52E-05

1.23E+02 0.00E+00 1.06E-04 1.24E-05 3.40E-06 3.79E-05 5.38E-05 6.30E-05 8.52E-05

1.30E+02 0.00E+00 1.06E-04 1.22E-05 3.16E-06 3.88E-05 5.31E-05 6.28E-05 8.41E-05

1.38E+02 0.00E+00 1.06E-04 1.19E-05 2.95E-06 3.83E-05 5.12E-05 6.24E-05 8.40E-05

1.46E+02 0.00E+00 1.06E-04 1.16E-05 2.86E-06 3.77E-05 5.03E-05 6.19E-05 8.38E-05

1.54E+02 0.00E+00 1.06E-04 1.13E-05 2.72E-06 3.71E-05 4.97E-05 6.14E-05 8.35E-05

1.63E+02 0.00E+00 1.06E-04 1.10E-05 2.50E-06 3.59E-05 4.89E-05 6.10E-05 8.33E-05

1.73E+02 0.00E+00 1.06E-04 1.07E-05 2.29E-06 3.49E-05 4.85E-05 6.06E-05 8.30E-05

1.83E+02 0.00E+00 1.05E-04 1.04E-05 2.23E-06 3.43E-05 4.77E-05 6.04E-05 8.28E-05

1.94E+02 0.00E+00 1.05E-04 1.03E-05 2.06E-06 3.36E-05 4.72E-05 6.16E-05 8.44E-05

2.05E+02 0.00E+00 1.48E-04 1.01E-05 1.78E-06 3.28E-05 4.64E-05 6.15E-05 8.43E-05

2.17E+02 0.00E+00 1.44E-04 9.86E-06 1.54E-06 3.15E-05 4.56E-05 6.01E-05 8.42E-05

2.29E+02 0.00E+00 1.46E-04 1.00E-05 1.50E-06 3.26E-05 4.62E-05 6.81E-05 9.28E-05

2.43E+02 0.00E+00 1.61E-04 9.95E-06 1.37E-06 3.26E-05 4.82E-05 7.15E-05 8.85E-05

2.57E+02 0.00E+00 1.59E-04 9.58E-06 1.26E-06 3.17E-05 4.49E-05 6.72E-05 8.98E-05

2.72E+02 0.00E+00 1.57E-04 9.24E-06 1.13E-06 3.00E-05 4.37E-05 7.15E-05 9.23E-05

2.88E+02	0.00E+00	1.56E-04	8.85E-06	1.04E-06	2.89E-05	4.34E-05	6.94E-05	9.04E-05
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3.00E+02 0.00E+00 1.63E-04 8.67E-06 9.91E-07 2.91E-05 4.32E-05 7.05E-05 8.90E-05

3.05E+02 0.00E+00 1.62E-04 8.62E-06 9.42E-07 2.87E-05 4.34E-05 7.07E-05 8.85E-05

3.22E+02	0.00E+00	2.13E-04	8.45E-06	8.36E-07	2.80E-05	4.28E-05	7.09E-05	8.65E-05
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3.41E+02 0.00E+00 2.12E-04 8.19E-06 7.62E-07 2.76E-05 4.17E-05 7.00E-05 8.60E-05

3.61E+02	0.00E+00	2.10E-04	7.59E-06	6.66E-07	2.54E-05	3.89E-05	6.46E-05	8.27E-05
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3.82E+02 0.00E+00 2.09E-04 7.26E-06 6.17E-07 2.43E-05 3.77E-05 6.22E-05 8.24E-05

4.04E+02 0.00E+00 2.07E-04 6.59E-06 5.34E-07 2.27E-05 3.60E-05 5.95E-05 7.78E-05

4.28E+02 0.00E+00 2.29E-04 6.54E-06 4.89E-07 2.17E-05 3.73E-05 5.94E-05 9.38E-05

4.53E+02 0.00E+00 2.27E-04 6.14E-06 4.46E-07 1.99E-05 3.53E-05 5.35E-05 9.34E-05

4.79E+02 0.00E+00 1.46E-04 5.36E-06 3.62E-07 1.69E-05 3.40E-05 5.14E-05 7.87E-05

5.07E+02 0.00E+00 1.44E-04 4.67E-06 3.27E-07 1.29E-05 3.03E-05 3.92E-05 7.32E-05

5.36E+02 0.00E+00 1.05E-04 4.34E-06 2.38E-07 1.29E-05 2.87E-05 4.09E-05 6.92E-05

5.68E+02 0.00E+00 1.01E-04 3.95E-06 2.08E-07 9.99E-06 2.85E-05 3.84E-05 6.77E-05

6.01E+02 0.00E+00 9.66E-05 3.81E-06 1.69E-07 1.07E-05 2.82E-05 3.84E-05 6.49E-05

6.36E+02 0.00E+00 9.24E-05 3.63E-06 1.44E-07 9.72E-06 2.69E-05 3.81E-05 5.80E-05

6.73E+02 0.00E+00 9.01E-05 3.34E-06 1.32E-07 7.91E-06 2.49E-05 3.72E-05 5.78E-05

7.12E+02	0.00E+00	8.95E-05	3.02E-06	1.19E-07	6.79E-06	2.26E-05	3.57E-05	5.66E-05
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7.53E+02 0.00E+00 8.88E-05 2.80E-06 9.72E-08 6.11E-06 1.78E-05 3.44E-05 5.61E-05

7.97E+02 0.00E+00 1.41E-04 3.14E-06 8.96E-08 6.01E-06 2.39E-05 3.43E-05 6.67E-05

8.44E+02 0.00E+00 1.44E-04 2.92E-06 7.77E-08 5.04E-06 1.69E-05 3.40E-05 6.63E-05

8.93E+02 0.00E+00 1.42E-04 2.82E-06 5.84E-08 4.53E-06 1.88E-05 3.35E-05 6.58E-05

9.45E+02 0.00E+00 1.39E-04 2.65E-06 3.60E-08 3.63E-06 1.56E-05 3.13E-05 6.54E-05

1.00E+03 0.00E+00 1.36E-04 2.42E-06 2.98E-08 2.57E-06 1.19E-05 2.77E-05 6.75E-05

Probabilistic results summary : RESRAD Default Parameters

File : C:\USERS\DNF\DOCUMENTS\FT CALHOUN\RESRAD INPUT FILES\BP INSITU UA\FCS BURIED PIPE 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	2.84E-09	2.34E-04	3.47E-05	3.29E-05	6.29E-05	7.36E-05	7.86E-05	9.22E-05
1.00E+00	2.89E-09	4.06E-04	3.17E-05	3.02E-05	6.00E-05	7.07E-05	7.70E-05	8.39E-05
1.06E+00	2.90E-09	4.14E-04	3.17E-05	3.02E-05	6.01E-05	7.07E-05	7.70E-05	8.34E-05
1.12E+00	2.90E-09	4.23E-04	3.16E-05	3.01E-05	6.00E-05	7.07E-05	7.69E-05	8.29E-05
1.19E+00	2.90E-09	4.32E-04	3.15E-05	3.01E-05	6.00E-05	7.07E-05	7.69E-05	8.24E-05
1.25E+00	2.91E-09	4.41E-04	3.15E-05	3.01E-05	6.02E-05	7.07E-05	7.69E-05	8.22E-05
1.33E+00	2.91E-09	4.51E-04	3.14E-05	3.01E-05	5.99E-05	7.06E-05	7.69E-05	8.34E-05
1.40E+00	2.92E-09	4.61E-04	3.13E-05	3.00E-05	5.98E-05	7.01E-05	7.67E-05	8.42E-05
1.49E+00	2.92E-09	4.71E-04	3.13E-05	2.99E-05	5.98E-05	6.95E-05	7.64E-05	8.42E-05
1.57E+00	2.93E-09	4.82E-04	3.12E-05	2.97E-05	6.03E-05	6.93E-05	7.60E-05	8.41E-05
1.66E+00	2.93E-09	4.93E-04	3.11E-05	2.96E-05	6.02E-05	6.98E-05	7.59E-05	8.41E-05
1.76E+00	2.94E-09	5.04E-04	3.11E-05	2.94E-05	5.99E-05	6.98E-05	7.69E-05	8.40E-05
1.86E+00	2.94E-09	5.15E-04	3.10E-05	2.91E-05	5.96E-05	7.06E-05	7.69E-05	8.77E-05
1.97E+00	2.95E-09	5.26E-04	3.09E-05	2.90E-05	6.01E-05	7.06E-05	7.65E-05	8.79E-05
2.09E+00	2.96E-09	5.35E-04	3.08E-05	2.88E-05	5.99E-05	7.06E-05	7.67E-05	8.80E-05
2.21E+00	2.96E-09	5.41E-04	3.07E-05	2.86E-05	5.96E-05	7.06E-05	7.69E-05	8.81E-05
2.34E+00	2.97E-09	5.41E-04	3.06E-05	2.83E-05	5.94E-05	6.99E-05	7.68E-05	8.81E-05
2.47E+00	2.98E-09	5.37E-04	3.04E-05	2.81E-05	5.91E-05	6.90E-05	7.68E-05	8.82E-05
2.62E+00	2.99E-09	5.28E-04	3.03E-05	2.78E-05	5.89E-05	6.93E-05	7.68E-05	8.83E-05
2.77E+00	3.00E-09	5.11E-04	3.01E-05	2.76E-05	5.89E-05	6.97E-05	7.68E-05	8.84E-05
2.93E+00	3.01E-09	4.88E-04	2.99E-05	2.75E-05	5.89E-05	6.98E-05	7.67E-05	8.94E-05
3.00E+00	3.01E-09	4.78E-04	2.98E-05	2.75E-05	5.88E-05	6.97E-05	7.67E-05	9.05E-05
3.3.10E+00	3.02E-09	4.62E-04	2.97E-05	2.75E-05	5.88E-05	7.05E-05	7.67E-05	9.21E-05
3.3.28E+00	3.03E-09	4.35E-04	2.95E-05	2.75E-05	5.85E-05	7.08E-05	7.67E-05	9.49E-05
3.48E+00	3.04E-09	4.09E-04	2.93E-05	2.74E-05	5.84E-05	7.09E-05	7.67E-05	9.78E-05
3.68E+00	3.05E-09	3.82E-04	2.91E-05	2.73E-05	5.81E-05	7.08E-05	7.67E-05	1.01E-04
3.89E+00	3.06E-09	3.56E-04	2.89E-05	2.73E-05	5.80E-05	7.07E-05	7.67E-05	1.02E-04
4.12E+00	3.08E-09	3.31E-04	2.87E-05	2.70E-05	5.79E-05	7.06E-05	7.71E-05	1.02E-04
4.36E+00	3.09E-09	3.06E-04	2.86E-05	2.68E-05	5.75E-05	7.06E-05	7.71E-05	1.03E-04
4.61E+00	3.11E-09	2.81E-04	2.84E-05	2.67E-05	5.73E-05	7.06E-05	7.78E-05	1.05E-04
4.88E+00	3.12E-09	2.57E-04	2.82E-05	2.67E-05	5.69E-05	7.05E-05	7.81E-05	1.07E-04
5.17E+00	3.14E-09	2.34E-04	2.80E-05	2.66E-05	5.64E-05	7.04E-05	7.81E-05	1.09E-04
5.47E+00	3.16E-09	2.12E-04	2.78E-05	2.63E-05	5.57E-05	7.06E-05	7.80E-05	1.09E-04
5.78E+00	3.17E-09	1.91E-04	2.76E-05	2.61E-05	5.57E-05	7.06E-05	7.80E-05	1.09E-04
6.12E+00	3.19E-09	1.71E-04	2.74E-05	2.59E-05	5.57E-05	7.06E-05	7.80E-05	1.09E-04
6.48E+00	3.21E-09	1.52E-04	2.71E-05	2.59E-05	5.62E-05	7.02E-05	7.79E-05	1.09E-04
6.86E+00	3.24E-09	1.34E-04	2.69E-05	2.60E-05	5.58E-05	6.98E-05	7.87E-05	1.09E-04
7.26E+00	3.26E-09	1.24E-04	2.66E-05	2.56E-05	5.57E-05	6.96E-05	7.82E-05	1.05E-04
7.68E+00	3.29E-09	1.20E-04	2.63E-05	2.54E-05	5.57E-05	6.95E-05	7.83E-05	9.93E-05
8.13E+00	3.31E-09	1.16E-04	2.61E-05	2.51E-05	5.55E-05	6.93E-05	7.80E-05	9.36E-05
8.60E+00	3.34E-09	1.11E-04	2.58E-05	2.50E-05	5.53E-05	6.92E-05	7.73E-05	8.86E-05
9.10E+00	3.37E-09	1.07E-04	2.55E-05	2.47E-05	5.53E-05	6.82E-05	7.68E-05	8.86E-05
9.63E+00	3.40E-09	1.03E-04	2.52E-05	2.45E-05	5.49E-05	6.79E-05	7.64E-05	8.86E-05
1.00E+01	3.42E-09	1.01E-04	2.50E-05	2.44E-05	5.49E-05	6.56E-05	7.62E-05	8.86E-05
1.02E+01	3.43E-09	1.02E-04	2.49E-05	2.42E-05	5.49E-05	6.60E-05	7.61E-05	8.77E-05
1.08E+01	3.47E-09	1.04E-04	2.47E-05	2.40E-05	5.45E-05	6.52E-05	7.58E-05	8.44E-05
1.14E+01	3.50E-09	1.06E-04	2.43E-05	2.36E-05	5.36E-05	6.49E-05	7.51E-05	8.20E-05
1.21E+01	3.54E-09	1.08E-04	2.39E-05	2.33E-05	5.26E-05	6.37E-05	7.45E-05	7.99E-05
1.28E+01	3.58E-09	1.10E-04	2.36E-05	2.28E-05	5.11E-05	6.31E-05	7.39E-05	7.93E-05
1.35E+01	3.63E-09	1.12E-04	2.34E-05	2.25E-05	5.18E-05	6.36E-05	7.36E-05	7.99E-05
1.43E+01	3.67E-09	1.39E-04	2.32E-05	2.21E-05	5.13E-05	6.36E-05	7.24E-05	7.90E-05
1.51E+01	3.72E-09	1.39E-04	2.29E-05	2.17E-05	5.05E-05	6.35E-05	7.25E-05	7.86E-05
1.60E+01	3.77E-09	1.38E-04	2.26E-05	2.12E-05	5.05E-05	6.20E-05	7.23E-05	7.83E-05
1.70E+01	3.83E-09	1.38E-04	2.24E-05	2.07E-05	5.05E-05	6.35E-05	7.30E-05	8.11E-05
1.80E+01	3.89E-09	1.37E-04	2.20E-05	2.03E-05	5.00E-05	6.16E-05	7.30E-05	8.03E-05
1.90E+01	2.90E-09	1.37E-04	2.17E-05	1.99E-05	4.90E-05	6.14E-05	7.29E-05	7.94E-05

2.01E+01 6.18E-10 1.36E-04 2.13E-05 1.93E-05 4.88E-05 6.12E-05 7.27E-05 7.85E-05

2.13E+01 1.20E-10 1.36E-04 2.10E-05 1.84E-05 4.81E-05 6.11E-05 7.25E-05 7.70E-05

2.25E+01 2.13E-11 1.35E-04 2.07E-05 1.80E-05 4.78E-05 6.10E-05 7.19E-05 7.66E-05

2.38E+01 3.41E-12 1.35E-04 2.03E-05 1.75E-05 4.72E-05 6.05E-05 7.18E-05 7.62E-05

2.52E+01	4.89E-13	1.34E-04	2.00E-05	1.70E-05	4.67E-05	6.01E-05	7.17E-05	7.63E-05
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2.67E+01 6.28E-14 1.41E-04 1.97E-05 1.65E-05 4.65E-05 5.90E-05 7.17E-05 7.60E-05

2.82E+01 7.16E-15 1.53E-04 1.96E-05 1.62E-05 4.60E-05 5.96E-05 7.15E-05 7.63E-05

2.99E+01 7.18E-16 1.53E-04 1.93E-05 1.55E-05 4.55E-05 5.91E-05 7.10E-05 7.62E-05

3.00E+01 6.09E-16 1.53E-04 1.93E-05 1.54E-05 4.55E-05 5.86E-05 7.10E-05 7.62E-05

3.16E+01 6.31E-17 1.36E-04 1.90E-05 1.46E-05 4.53E-05 5.68E-05 6.99E-05 7.57E-05

3.35E+01	4.80E-18	1.16E-04	1.85E-05	1.39E-05	4.50E-05	5.67E-05	6.91E-05	7.56E-05
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3.54E+01 3.15E-19 1.15E-04 1.81E-05 1.29E-05 4.43E-05 5.63E-05 6.98E-05 7.54E-05

3.75E+01	1.76E-20	1.15E-04	1.77E-05	1.24E-05	4.35E-05	5.58E-05	6.87E-05	7.52E-05
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3.97E+01 8.34E-22 1.11E-04 1.73E-05 1.15E-05 4.31E-05 5.56E-05 6.85E-05 7.51E-05

4.20E+01 3.30E-23 1.07E-04 1.69E-05 1.08E-05 4.24E-05 5.53E-05 6.81E-05 7.49E-05

4.44E+01 1.08E-24 1.03E-04 1.66E-05 1.01E-05 4.16E-05 5.49E-05 6.75E-05 7.47E-05

4.70E+01 2.91E-26 9.73E-05 1.62E-05 9.72E-06 4.04E-05 5.48E-05 6.70E-05 7.46E-05

4.97E+01 6.34E-28 9.54E-05 1.57E-05 9.06E-06 3.97E-05 5.45E-05 6.44E-05 7.43E-05

5.26E+01 1.06E-29 9.54E-05 1.53E-05 8.33E-06 3.90E-05 5.42E-05 6.39E-05 7.41E-05

5.57E+01	0.00E+00	1.06E-04	1.51E-05	8.07E-06	3.87E-05	5.39E-05	6.34E-05	7.38E-05
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5.90E+01 0.00E+00 1.05E-04 1.49E-05 7.76E-06 3.81E-05 5.36E-05 6.44E-05 7.36E-05

6.24E+01 0.00E+00 1.04E-04 1.46E-05 7.43E-06 3.78E-05 5.31E-05 6.54E-05 7.33E-05

6.60E+01 0.00E+00 1.03E-04 1.43E-05 6.76E-06 3.70E-05 5.29E-05 6.48E-05 7.38E-05

6.99E+01 0.00E+00 9.71E-05 1.40E-05 6.51E-06 3.63E-05 5.24E-05 6.44E-05 7.43E-05

7.39E+01	0.00E+00	9.49E-05	1.38E-05	6.10E-06	3.62E-05	5.20E-05	6.38E-05	7.43E-05
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7.82E+01	0.00E+00	9.45E-05	1.36E-05	5.53E-06	3.66E-05	5.39E-05	6.49E-05	7.42E-05
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8.28E+01	0.00E+00	9.41E-05	1.32E-05	5.09E-06	3.60E-05	5.38E-05	6.26E-05	7.41E-05
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8.76E+01	0.00E+00	9.36E-05	1.28E-05	4.85E-06	3.59E-05	5.07E-05	6.23E-05	7.41E-05
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9.27E+01 0.00E+00 9.32E-05 1.25E-05 4.28E-06 3.53E-05 5.02E-05 6.20E-05 7.40E-05

9.81E+01 0.00E+00 9.27E-05 1.21E-05 3.98E-06 3.52E-05 4.97E-05 6.17E-05 7.40E-05

1.00E+02 0.00E+00 9.25E-05 1.20E-05 3.92E-06 3.46E-05 4.95E-05 6.16E-05 7.39E-05

1.04E+02 0.00E+00 9.22E-05 1.18E-05 3.80E-06 3.39E-05 4.92E-05 6.14E-05 7.39E-05

1.10E+02 0.00E+00 9.16E-05 1.16E-05 3.53E-06 3.47E-05 4.91E-05 6.19E-05 7.38E-05

1.16E+02 0.00E+00 1.08E-04 1.14E-05 3.35E-06 3.33E-05 4.80E-05 6.15E-05 7.56E-05

1.23E+02 0.00E+00 1.07E-04 1.10E-05 3.14E-06 3.20E-05 4.74E-05 6.11E-05 7.37E-05

1.30E+02 0.00E+00 1.05E-04 1.07E-05 2.82E-06 3.14E-05 4.72E-05 6.06E-05 7.36E-05

1.38E+02 0.00E+00 1.40E-04 1.08E-05 2.77E-06 3.26E-05 4.77E-05 6.33E-05 7.75E-05

1.46E+02 0.00E+00 1.37E-04 1.07E-05 2.73E-06 3.34E-05 4.75E-05 6.64E-05 7.90E-05

1.54E+02 0.00E+00 1.34E-04 1.06E-05 2.64E-06 3.22E-05 4.80E-05 6.57E-05 8.55E-05

1.63E+02 0.00E+00 2.32E-04 1.10E-05 2.56E-06 3.36E-05 5.16E-05 6.60E-05 8.67E-05

1.73E+02 0.00E+00 2.32E-04 1.11E-05 2.31E-06 3.37E-05 5.21E-05 6.99E-05 9.65E-05

1.83E+02 0.00E+00 2.31E-04 1.09E-05 2.16E-06 3.34E-05 5.17E-05 6.92E-05 9.90E-05

1.94E+02 0.00E+00 2.31E-04 1.09E-05 2.12E-06 3.29E-05 5.32E-05 6.98E-05 9.78E-05

2.05E+02 0.00E+00 2.31E-04 1.06E-05 1.99E-06 3.36E-05 5.31E-05 6.91E-05 9.64E-05

2.17E+02 0.00E+00 2.53E-04 1.05E-05 1.78E-06 3.28E-05 5.32E-05 7.17E-05 9.50E-05

2.29E+02 0.00E+00 2.53E-04 1.02E-05 1.63E-06 3.18E-05 5.47E-05 7.13E-05 9.10E-05

2.43E+02 0.00E+00 2.52E-04 9.92E-06 1.45E-06 2.97E-05 5.36E-05 7.08E-05 9.47E-05

2.57E+02 0.00E+00 2.50E-04 9.56E-06 1.31E-06 2.89E-05 5.39E-05 7.02E-05 9.20E-05

2.72E+02 0.00E+00 2.49E-04 9.08E-06 1.08E-06 2.69E-05 5.18E-05 6.70E-05 8.89E-05

2.88E+02	0.00E+00	2.47E-04	8.34E-06	9.36E-07	2.50E-05	4.64E-05	5.99E-05	8.72E-05
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3.00E+02 0.00E+00 2.45E-04 8.11E-06 7.98E-07 2.40E-05 4.81E-05 6.28E-05 8.59E-05

3.05E+02	0.00E+00	2.45E-04	8.06E-06	7.97E-07	2.37E-05	4.76E-05	6.27E-05	8.55E-05
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3.22E+02	0.00E+00	2.43E-04	7.67E-06	7.34E-07	2.29E-05	4.22E-05	5.89E-05	8.12E-05
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3.41E+02 0.00E+00 2.41E-04 7.30E-06 6.74E-07 2.24E-05 4.04E-05 5.81E-05 8.07E-05

3.61E+02	0.00E+00	2.38E-04	7.08E-06	5.74E-07	2.00E-05	4.11E-05	6.09E-05	8.03E-05
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3.82E+02 0.00E+00 2.36E-04 6.90E-06 5.20E-07 1.88E-05 4.05E-05 5.94E-05 7.97E-05

4.04E+02 0.00E+00 2.33E-04 6.66E-06 4.15E-07 1.82E-05 3.84E-05 5.84E-05 7.92E-05

4.28E+02 0.00E+00 2.31E-04 6.33E-06 3.70E-07 1.69E-05 3.87E-05 5.88E-05 7.86E-05

4.53E+02 0.00E+00 2.28E-04 5.83E-06 3.17E-07 1.59E-05 3.44E-05 5.68E-05 7.80E-05

4.79E+02 0.00E+00 2.25E-04 5.27E-06 2.68E-07 1.32E-05 2.91E-05 5.22E-05 7.74E-05

5.07E+02 0.00E+00 2.22E-04 4.94E-06 2.52E-07 1.20E-05 2.86E-05 5.00E-05 7.19E-05

5.36E+02 0.00E+00 2.18E-04 4.68E-06 2.16E-07 1.11E-05 2.80E-05 4.77E-05 7.07E-05

5.68E+02 0.00E+00 2.15E-04 4.42E-06 1.66E-07 9.09E-06 2.61E-05 4.83E-05 7.06E-05

6.01E+02 0.00E+00 2.31E-04 4.49E-06 1.48E-07 8.69E-06 2.56E-05 4.86E-05 7.05E-05

6.36E+02	0.00E+00	2.29E-04	4.58E-06	1.26E-07	8.65E-06	2.85E-05	4.84E-05	8.34E-05
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6.73E+02 0.00E+00 2.27E-04 4.53E-06 1.00E-07 7.95E-06 2.84E-05 4.82E-05 8.25E-05

7.12E+02 0.00E+00 2.25E-04 4.12E-06 9.16E-08 7.65E-06 2.37E-05 4.63E-05 7.16E-05

7.53E+02 0.00E+00 2.23E-04 3.98E-06 7.14E-08 5.73E-06 2.37E-05 4.52E-05 7.02E-05

7.97E+02 0.00E+00 2.21E-04 3.91E-06 6.02E-08 5.54E-06 2.43E-05 4.53E-05 7.07E-05

8.44E+02 0.00E+00 2.44E-04 4.00E-06 4.63E-08 4.61E-06 2.33E-05 4.39E-05 8.13E-05

8.93E+02 0.00E+00 2.42E-04 3.71E-06 3.40E-08 2.88E-06 2.05E-05 4.16E-05 7.85E-05

9.45E+02 0.00E+00 2.40E-04 3.53E-06 2.48E-08 2.30E-06 1.32E-05 4.05E-05 7.97E-05

1.00E+03 0.00E+00 2.39E-04 3.25E-06 1.83E-08 1.56E-06 1.12E-05 3.60E-05 7.27E-05

Summary of dose at graphical times, reptition 3								
Time	Dose statistics at graphical times, mrem/yr							
Years	Minimum	Maximum	Mean	Median	90%	95%	97.5%	99%
0.00E+00	6.25E-10	3.98E-04	3.55E-05	3.33E-05	6.49E-05	7.20E-05	7.79E-05	9.32E-05
1.00E+00	6.63E-10	2.09E-04	3.17E-05	3.02E-05	6.00E-05	6.89E-05	7.70E-05	8.97E-05
1.06E+00	6.65E-10	2.11E-04	3.15E-05	3.01E-05	5.98E-05	6.87E-05	7.70E-05	9.11E-05
1.12E+00	6.67E-10	2.13E-04	3.14E-05	3.00E-05	5.97E-05	6.86E-05	7.62E-05	9.26E-05
1.19E+00	6.69E-10	2.16E-04	3.13E-05	2.99E-05	5.96E-05	6.85E-05	7.61E-05	9.43E-05
1.25E+00	6.72E-10	2.18E-04	3.12E-05	2.97E-05	5.96E-05	6.83E-05	7.61E-05	9.60E-05
1.33E+00	6.75E-10	2.21E-04	3.11E-05	2.96E-05	5.95E-05	6.81E-05	7.60E-05	9.78E-05
1.40E+00	6.78E-10	2.23E-04	3.10E-05	2.94E-05	5.94E-05	6.81E-05	7.59E-05	9.97E-05
1.49E+00	6.81E-10	2.26E-04	3.09E-05	2.92E-05	5.94E-05	6.81E-05	7.61E-05	1.02E-04
1.57E+00	6.84E-10	2.28E-04	3.08E-05	2.92E-05	5.94E-05	6.84E-05	7.65E-05	1.04E-04
1.66E+00	6.87E-10	2.31E-04	3.07E-05	2.89E-05	5.94E-05	6.84E-05	7.68E-05	1.06E-04
1.76E+00	6.91E-10	2.33E-04	3.06E-05	2.86E-05	5.93E-05	6.83E-05	7.64E-05	1.08E-04
1.86E+00	6.95E-10	2.36E-04	3.05E-05	2.84E-05	5.91E-05	6.83E-05	7.61E-05	1.07E-04
1.97E+00	6.99E-10	2.38E-04	3.04E-05	2.81E-05	5.93E-05	6.83E-05	7.59E-05	1.06E-04
2.09E+00	7.03E-10	2.41E-04	3.03E-05	2.81E-05	5.91E-05	6.87E-05	7.58E-05	1.05E-04
2.21E+00	7.08E-10	2.43E-04	3.02E-05	2.78E-05	5.91E-05	6.85E-05	7.57E-05	1.04E-04
2.34E+00	7.13E-10	2.45E-04	3.00E-05	2.76E-05	5.90E-05	6.84E-05	7.55E-05	1.03E-04
2.47E+00	7.18E-10	2.47E-04	2.99E-05	2.76E-05	5.90E-05	6.82E-05	7.53E-05	1.02E-04
2.62E+00	7.23E-10	2.49E-04	2.97E-05	2.76E-05	5.89E-05	6.91E-05	7.51E-05	1.01E-04
2.77E+00	7.29E-10	2.51E-04	2.96E-05	2.74E-05	5.89E-05	6.84E-05	7.49E-05	1.00E-04
2.93E+00	7.35E-10	2.53E-04	2.94E-05	2.73E-05	5.86E-05	6.80E-05	7.48E-05	9.94E-05
3.00E+00	7.37E-10	2.54E-04	2.94E-05	2.71E-05	5.86E-05	6.80E-05	7.48E-05	9.92E-05
3.10E+00	7.41E-10	2.55E-04	2.93E-05	2.70E-05	5.85E-05	6.79E-05	7.48E-05	9.88E-05
3.28E+00	7.48E-10	2.56E-04	2.91E-05	2.69E-05	5.84E-05	6.78E-05	7.57E-05	9.82E-05
3.48E+00	7.55E-10	2.58E-04	2.89E-05	2.69E-05	5.82E-05	6.77E-05	7.56E-05	9.76E-05
3.68E+00	7.63E-10	2.59E-04	2.88E-05	2.68E-05	5.78E-05	6.76E-05	7.53E-05	9.72E-05
3.89E+00	7.71E-10	2.61E-04	2.86E-05	2.68E-05	5.78E-05	6.75E-05	7.50E-05	9.67E-05
4.12E+00	7.79E-10	2.62E-04	2.84E-05	2.67E-05	5.74E-05	6.75E-05	7.48E-05	9.66E-05
4.36E+00	7.88E-10	2.63E-04	2.82E-05	2.65E-05	5.71E-05	6.74E-05	7.51E-05	9.60E-05
4.61E+00	7.98E-10	2.64E-04	2.80E-05	2.63E-05	5.64E-05	6.73E-05	7.54E-05	9.57E-05
4.88E+00	8.08E-10	2.64E-04	2.78E-05	2.60E-05	5.58E-05	6.72E-05	7.39E-05	9.55E-05
5.17E+00	8.18E-10	2.65E-04	2.76E-05	2.57E-05	5.57E-05	6.62E-05	7.30E-05	9.63E-05
5.47E+00	8.30E-10	2.66E-04	2.74E-05	2.56E-05	5.56E-05	6.57E-05	7.28E-05	9.62E-05
5.78E+00	8.42E-10	2.66E-04	2.71E-05	2.54E-05	5.56E-05	6.54E-05	7.27E-05	9.61E-05
6.12E+00	8.54E-10	2.67E-04	2.69E-05	2.53E-05	5.68E-05	6.50E-05	7.26E-05	9.61E-05
6.48E+00	8.68E-10	2.67E-04	2.67E-05	2.52E-05	5.72E-05	6.50E-05	7.25E-05	9.60E-05
6.86E+00	8.82E-10	2.67E-04	2.64E-05	2.50E-05	5.65E-05	6.59E-05	7.24E-05	9.59E-05
7.26E+00	8.97E-10	2.68E-04	2.62E-05	2.46E-05	5.51E-05	6.59E-05	7.23E-05	9.58E-05
7.68E+00	9.13E-10	2.68E-04	2.60E-05	2.43E-05	5.47E-05	6.58E-05	7.22E-05	9.57E-05
8.13E+00	9.29E-10	2.67E-04	2.57E-05	2.41E-05	5.46E-05	6.56E-05	7.21E-05	9.73E-05
8.60E+00	9.47E-10	2.45E-04	2.54E-05	2.40E-05	5.42E-05	6.56E-05	7.20E-05	1.07E-04
9.10E+00	9.66E-10	1.89E-04	2.51E-05	2.39E-05	5.40E-05	6.56E-05	7.19E-05	1.16E-04
9.63E+00	9.86E-10	1.37E-04	2.47E-05	2.37E-05	5.38E-05	6.52E-05	7.17E-05	1.16E-04
1.00E+01	9.99E-10	1.34E-04	2.44E-05	2.36E-05	5.33E-05	6.50E-05	7.16E-05	1.00E-04
1.02E+01	1.01E-09	1.32E-04	2.43E-05	2.35E-05	5.33E-05	6.48E-05	7.17E-05	9.45E-05
1.08E+01	1.03E-09	1.26E-04	2.40E-05	2.34E-05	5.28E-05	6.33E-05	7.14E-05	9.44E-05
1.14E+01	1.05E-09	1.21E-04	2.36E-05	2.32E-05	5.20E-05	6.25E-05	7.11E-05	9.44E-05
1.21E+01	9.94E-10	1.16E-04	2.33E-05	2.29E-05	5.20E-05	6.23E-05	7.09E-05	9.44E-05
1.28E+01	8.26E-10	1.15E-04	2.30E-05	2.27E-05	5.19E-05	6.21E-05	7.07E-05	9.06E-05
1.35E+01	7.38E-10	1.15E-04	2.27E-05	2.22E-05	5.19E-05	6.20E-05	7.04E-05	8.45E-05
1.43E+01	6.94E-10	1.15E-04	2.24E-05	2.15E-05	5.19E-05	6.20E-05	7.01E-05	8.20E-05
1.51E+01	6.73E-10	1.14E-04	2.21E-05	2.09E-05	5.15E-05	6.18E-05	6.99E-05	8.20E-05
1.60E+01	6.63E-10	1.14E-04	2.18E-05	2.02E-05	5.13E-05	6.12E-05	6.95E-05	8.19E-05
1.70E+01	6.59E-10	1.14E-04	2.16E-05	1.96E-05	5.12E-05	6.11E-05	6.92E-05	8.02E-05
1.80E+01	6.58E-10	1.19E-04	2.14E-05	1.93E-05	5.12E-05	6.04E-05	6.96E-05	8.01E-05
1.90E+01	6.57E-10	1.19E-04	2.11E-05	1.88E-05	5.04E-05	5.99E-05	6.89E-05	8.00E-05

2.01E+01 6.58E-10 1.19E-04 2.07E-05 1.79E-05 5.02E-05 5.93E-05 6.73E-05 7.99E-05

2.13E+01 6.58E-10 1.19E-04 2.03E-05 1.71E-05 4.98E-05 5.92E-05 6.72E-05 7.98E-05

2.25E+01 6.59E-10 1.19E-04 2.00E-05 1.59E-05 4.86E-05 5.84E-05 6.68E-05 7.98E-05

2.38E+01 2.89E-11 1.19E-04 1.96E-05 1.56E-05 4.77E-05 5.76E-05 6.56E-05 7.97E-05

2.52E+01	1.21E-13	1.19E-04	1.92E-05	1.51E-05	4.55E-05	5.76E-05	6.53E-05	7.95E-05
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2.67E+01 3.69E-16 1.18E-04 1.87E-05 1.45E-05 4.34E-05 5.65E-05 6.38E-05 7.79E-05

2.82E+01 8.03E-19 1.18E-04 1.84E-05 1.38E-05 4.31E-05 5.63E-05 6.35E-05 7.79E-05

2.99E+01 1.22E-21 1.18E-04 1.80E-05 1.30E-05 4.24E-05 5.61E-05 6.31E-05 7.79E-05

3.00E+01 7.68E-22 1.18E-04 1.80E-05 1.30E-05 4.24E-05 5.61E-05 6.31E-05 7.79E-05

3.16E+01 1.28E-24 1.20E-04 1.78E-05 1.27E-05 4.21E-05 5.59E-05 6.26E-05 7.91E-05

3.35E+01 8.92E-28 1.18E-04 1.76E-05 1.24E-05 4.17E-05 5.57E-05 6.22E-05 7.89E-05

3.54E+01	0.00E+00	1.18E-04	1.73E-05	1.17E-05	4.11E-05	5.53E-05	6.32E-05	8.14E-05
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3.75E+01 0.00E+00 1.18E-04 1.71E-05 1.09E-05 4.14E-05 5.49E-05 6.26E-05 8.14E-05

3.97E+01 0.00E+00 1.18E-04 1.68E-05 1.05E-05 4.13E-05 5.49E-05 6.42E-05 8.13E-05

4.20E+01 0.00E+00 1.17E-04 1.66E-05 9.74E-06 4.13E-05 5.46E-05 6.38E-05 8.13E-05

4.44E+01	0.00E+00	1.17E-04	1.63E-05	9.27E-06	4.16E-05	5.44E-05	6.35E-05	8.12E-05
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4.70E+01 0.00E+00 1.17E-04 1.60E-05 8.70E-06 4.14E-05 5.60E-05 6.32E-05 8.11E-05

4.97E+01	0.00E+00	1.18E-04	1.58E-05	8.07E-06	4.07E-05	5.54E-05	6.44E-05	8.11E-05
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5.26E+01	0.00E+00	1.72E-04	1.57E-05	7.46E-06	4.07E-05	5.47E-05	6.45E-05	8.10E-05
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5.57E+01	0.00E+00	1.00E-04	1.52E-05	6.80E-06	4.03E-05	5.47E-05	6.33E-05	7.85E-05
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5.90E+01	0.00E+00	9.92E-05	1.49E-05	6.71E-06	3.91E-05	5.39E-05	6.46E-05	7.73E-05
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6.24E+01	0.00E+00	9.81E-05	1.47E-05	6.35E-06	3.87E-05	5.38E-05	6.45E-05	7.72E-05
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6.60E+01	0.00E+00	9.69E-05	1.44E-05	6.16E-06	3.76E-05	5.32E-05	6.52E-05	7.90E-05
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6.99E+01 0.00E+00 9.57E-05 1.41E-05 5.75E-06 3.72E-05 5.27E-05 6.42E-05 8.06E-05

7.39E+01	0.00E+00	9.44E-05	1.38E-05	5.16E-06	3.80E-05	5.24E-05	6.40E-05	8.05E-05
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7.82E+01	0.00E+00	1.05E-04	1.36E-05	4.94E-06	3.78E-05	5.36E-05	6.41E-05	8.21E-05
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8.28E+01 0.00E+00 1.05E-04 1.33E-05 4.61E-06 3.75E-05 5.21E-05 6.37E-05 8.17E-05

8.76E+01	0.00E+00	1.04E-04	1.30E-05	4.23E-06	3.72E-05	5.19E-05	6.31E-05	8.13E-05
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9.27E+01 0.00E+00 1.04E-04 1.29E-05 4.10E-06 3.98E-05 5.18E-05 6.24E-05 8.03E-05

9.81E+01 0.00E+00 1.04E-04 1.27E-05 3.92E-06 3.98E-05 5.14E-05 6.32E-05 8.04E-05

1.00E+02 0.00E+00 1.04E-04 1.26E-05 3.92E-06 3.97E-05 5.11E-05 6.31E-05 8.02E-05

1.04E+02 0.00E+00 1.04E-04 1.25E-05 3.87E-06 3.97E-05 5.06E-05 6.28E-05 7.99E-05

1.10E+02 0.00E+00 1.04E-04 1.23E-05 3.72E-06 3.91E-05 5.07E-05 6.30E-05 8.14E-05

1.16E+02 0.00E+00 1.03E-04 1.22E-05 3.47E-06 3.86E-05 5.05E-05 6.25E-05 8.10E-05

1.23E+02 0.00E+00 1.03E-04 1.20E-05 3.27E-06 3.93E-05 5.02E-05 6.36E-05 8.07E-05

1.30E+02 0.00E+00 1.05E-04 1.19E-05 3.12E-06 3.93E-05 5.03E-05 6.75E-05 8.08E-05

1.38E+02 0.00E+00 1.87E-04 1.18E-05 3.00E-06 3.80E-05 4.98E-05 6.72E-05 8.00E-05

1.46E+02 0.00E+00 1.87E-04 1.15E-05 2.73E-06 3.85E-05 4.93E-05 6.68E-05 7.95E-05

1.54E+02 0.00E+00 1.87E-04 1.14E-05 2.60E-06 3.73E-05 4.94E-05 6.64E-05 7.91E-05

1.63E+02 0.00E+00 1.86E-04 1.13E-05 2.30E-06 3.67E-05 5.10E-05 6.87E-05 8.49E-05

1.73E+02 0.00E+00 1.86E-04 1.11E-05 2.05E-06 3.57E-05 5.03E-05 6.85E-05 8.30E-05

1.83E+02 0.00E+00 1.85E-04 1.08E-05 1.89E-06 3.51E-05 4.87E-05 6.70E-05 8.57E-05

1.94E+02 0.00E+00 1.85E-04 1.04E-05 1.72E-06 3.47E-05 4.80E-05 6.55E-05 8.41E-05

2.05E+02 0.00E+00 2.11E-04 1.03E-05 1.68E-06 3.33E-05 4.92E-05 6.49E-05 8.24E-05

2.17E+02 0.00E+00 2.11E-04 1.02E-05 1.53E-06 3.25E-05 5.10E-05 6.77E-05 8.02E-05

2.29E+02 0.00E+00 1.10E-04 9.51E-06 1.43E-06 3.12E-05 4.94E-05 6.57E-05 7.68E-05

2.43E+02 0.00E+00 1.09E-04 9.18E-06 1.32E-06 2.98E-05 4.68E-05 6.53E-05 7.53E-05

2.57E+02 0.00E+00 1.09E-04 8.79E-06 1.19E-06 3.05E-05 4.52E-05 6.27E-05 7.41E-05

2.72E+02 0.00E+00 1.08E-04 8.53E-06 1.06E-06 2.97E-05 4.63E-05 6.36E-05 7.34E-05

2.88E+02 0.00E+00 1.07E-04 8.00E-06 9.21E-07 2.84E-05 4.49E-05 6.40E-05 7.66E-05

3.00E+02 0.00E+00 1.07E-04 7.78E-06 7.77E-07 2.79E-05 4.33E-05 6.18E-05 7.51E-05

3.05E+02 0.00E+00 1.07E-04 7.73E-06 7.39E-07 2.78E-05 4.22E-05 6.25E-05 7.50E-05

3.22E+02 0.00E+00 1.06E-04 7.34E-06 6.61E-07 2.64E-05 3.64E-05 5.90E-05 7.26E-05

3.41E+02 0.00E+00 1.05E-04 6.78E-06 5.88E-07 2.47E-05 3.61E-05 5.60E-05 7.05E-05

3.61E+02 0.00E+00 1.05E-04 6.26E-06 5.38E-07 2.31E-05 3.23E-05 5.02E-05 6.94E-05

3.82E+02 0.00E+00 1.04E-04 5.77E-06 4.97E-07 2.19E-05 2.97E-05 4.80E-05 6.84E-05

4.04E+02 0.00E+00 1.03E-04 5.50E-06 4.62E-07 2.02E-05 2.85E-05 4.86E-05 7.03E-05

4.28E+02 0.00E+00 1.14E-04 5.37E-06 4.32E-07 1.94E-05 2.73E-05 4.70E-05 6.99E-05

4.53E+02 0.00E+00 1.12E-04 5.10E-06 3.40E-07 1.82E-05 2.63E-05 4.58E-05 6.61E-05

4.79E+02 0.00E+00 1.11E-04 4.57E-06 3.01E-07 1.63E-05 2.42E-05 4.07E-05 6.43E-05

5.07E+02 0.00E+00 1.09E-04 4.30E-06 2.74E-07 1.45E-05 2.36E-05 3.86E-05 6.83E-05

5.36E+02 0.00E+00 1.07E-04 3.76E-06 2.12E-07 1.19E-05 2.19E-05 3.20E-05 6.20E-05

5.68E+02 0.00E+00 1.06E-04 3.65E-06 1.81E-07 1.11E-05 2.08E-05 3.67E-05 6.08E-05

6.01E+02 0.00E+00 1.04E-04 3.52E-06 1.73E-07 1.03E-05 1.93E-05 3.57E-05 5.95E-05

6.36E+02 0.00E+00 1.02E-04 3.28E-06 1.34E-07 8.84E-06 1.82E-05 3.14E-05 5.82E-05

6.73E+02 0.00E+00 9.96E-05 3.18E-06 1.23E-07 6.99E-06 1.78E-05 3.17E-05 5.72E-05

7.12E+02 0.00E+00 9.74E-05 3.01E-06 9.95E-08 6.46E-06 1.66E-05 3.32E-05 5.95E-05

7.53E+02 0.00E+00 9.52E-05 2.71E-06 7.59E-08 4.81E-06 1.45E-05 2.94E-05 6.39E-05

7.97E+02	0.00E+00	9.29E-05	2.42E-06	6.05E-08	4.10E-06	1.31E-05	2.73E-05	5.92E-05
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8.44E+02	0.00E+00	9.06E-05	2.13E-06	4.71E-08	3.62E-06	1.18E-05	2.46E-05	3.93E-05
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8.93E+02 0.00E+00 1.22E-04 2.12E-06 3.62E-08 2.51E-06 1.11E-05 2.42E-05 4.52E-05

9.45E+02 0.00E+00 8.48E-05 1.93E-06 2.16E-08 2.33E-06 1.04E-05 2.36E-05 4.15E-05

1.00E+03 0.00E+00 8.31E-05 1.57E-06 2.02E-08 1.62E-06 9.15E-06 1.95E-05 3.79E-05

Probabilistic results summary : RESRAD Default Parameters

File : C:\USERS\DNF\DOCUMENTS\FT CALHOUN\RESRAD INPUT FILES\BP INSITU UA\FCS BURIED PIPE 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	3.481E-05
2	0.000E+00	3.474E-05
3	0.000E+00	3.549E-05

Title : RESRAD Default Parameters

Input File : FCS BURIED PIPE 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
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Contaminated zone erosion rate	5	0.13	5	0.13	10	-0.04	10	-0.04
Contaminated zone b parameter	10	0.04	10	0.04	15	0.03	15	0.02
Evapotranspiration coefficient	6	0.11	6	0.10	6	0.10	6	0.09
Wind Speed	7	-0.05	7	-0.05	14	-0.03	14	-0.03
Runoff coefficient	9	0.04	9	0.04	12	0.03	12	0.03
b Parameter of Unsaturated zone 1	15	-0.03	15	-0.03	9	-0.05	9	-0.05
Mass loading for inhalation	14	0.03	14	0.03	18	0.00	18	0.00
Indoor dust filtration factor	13	-0.03	13	-0.03	11	-0.03	11	-0.03
Depth of soil mixing layer	8	-0.05	8	-0.04	8	-0.06	8	-0.05
Depth of roots	3	-0.17	3	-0.16	1	-0.20	1	-0.19
Wet weight crop yield of fruit, grain and non-leafy vegetables	16	0.01	16	0.01	17	0.00	17	0.00
Weathering removal constant of all vegetation	17	0.01	17	0.01	13	0.03	13	0.03
Wet foliar interception fraction of leafy vegetables	18	0.00	18	0.00	7	-0.06	7	-0.05
Humidity in air	12	0.04	12	0.03	16	0.02	16	0.02
Cover erosion rate	1	0.19	2	0.18	2	0.16	2	0.16
Kd of Ni-59 in Contaminated Zone	2	0.19	1	0.18	5	0.11	5	0.11
Kd of Ni-59 in Saturated Zone	11	0.04	11	0.03	4	-0.11	4	-0.11
Well pump intake depth	4	-0.14	4	-0.13	3	-0.15	3	-0.14

R-SQUARE	0.15	0.15	0.12	0.12
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-Rank is set to zero if the dose is zero or the correlation matrix is singular.

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

Title : RESRAD Default Parameters

Input File : FCS BURIED PIPE 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
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Contaminated zone erosion rate	9	-0.03	9	-0.03	7	-0.10	7	-0.09
Contaminated zone b parameter	17	0.00	17	0.00	12	0.05	12	0.04
Evapotranspiration coefficient	3	0.13	3	0.12	6	0.11	6	0.10
Wind Speed	13	0.02	13	0.02	17	0.01	17	0.01
Runoff coefficient	6	0.06	6	0.06	13	0.05	13	0.04
b Parameter of Unsaturated zone 1	11	0.03	11	0.03	10	0.08	10	0.07
Mass loading for inhalation	18	0.00	18	0.00	16	0.01	16	0.01
Indoor dust filtration factor	4	-0.09	4	-0.09	8	-0.08	8	-0.08
Depth of soil mixing layer	10	-0.03	10	-0.03	11	0.05	11	0.05
Depth of roots	2	-0.14	2	-0.14	1	-0.21	1	-0.19
Wet weight crop yield of fruit, grain and non-leafy vegetables	5	-0.08	5	-0.08	9	-0.08	9	-0.08
Weathering removal constant of all vegetation	15	-0.01	15	-0.01	15	-0.03	15	-0.03
Wet foliar interception fraction of leafy vegetables	16	0.01	16	0.01	14	0.04	14	0.04
Humidity in air	14	0.02	14	0.02	18	0.00	18	0.00
Cover erosion rate	8	0.04	8	0.03	4	0.16	4	0.14
Kd of Ni-59 in Contaminated Zone	7	0.05	7	0.05	5	0.13	5	0.12
Kd of Ni-59 in Saturated Zone	12	-0.03	12	-0.03	3	-0.18	3	-0.16
Well pump intake depth	1	-0.15	1	-0.14	2	-0.20	2	-0.18

R-SQUARE	0.08	0.08	0.18	0.18
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-Rank is set to zero if the dose is zero or the correlation matrix is singular.

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

Title : RESRAD Default Parameters

Input File : FCS BURIED PIPE 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
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Contaminated zone erosion rate	13	0.02	13	0.02	17	0.00	17	0.00
Contaminated zone b parameter	17	0.01	17	0.01	8	-0.04	8	-0.04
Evapotranspiration coefficient	1	0.17	1	0.16	2	0.16	2	0.15
Wind Speed	9	0.05	9	0.04	14	0.02	14	0.02
Runoff coefficient	10	0.04	10	0.04	11	0.02	11	0.02
b Parameter of Unsaturated zone 1	6	0.06	6	0.06	7	0.06	7	0.05
Mass loading for inhalation	15	-0.02	15	-0.02	13	-0.02	13	-0.02
Indoor dust filtration factor	16	0.02	16	0.02	12	0.02	12	0.02
Depth of soil mixing layer	5	-0.08	5	-0.08	6	-0.07	6	-0.06
Depth of roots	3	-0.11	3	-0.11	1	-0.17	1	-0.17
Wet weight crop yield of fruit, grain and non-leafy vegetables	18	0.01	18	0.01	18	0.00	18	0.00
Weathering removal constant of all vegetation	11	0.03	11	0.03	9	0.04	9	0.03
Wet foliar interception fraction of leafy vegetables	8	-0.05	8	-0.05	16	-0.01	16	-0.01
Humidity in air	12	-0.03	12	-0.03	10	-0.03	10	-0.03
Cover erosion rate	4	0.10	4	0.09	3	0.13	3	0.12
Kd of Ni-59 in Contaminated Zone	14	-0.02	14	-0.02	15	0.01	15	0.01
Kd of Ni-59 in Saturated Zone	7	-0.06	7	-0.06	5	-0.09	5	-0.08
Well pump intake depth	2	-0.12	2	-0.11	4	-0.09	4	-0.09

R-SQUARE	0.08	0.08	0.09	0.09
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-Rank is set to zero if the dose is zero or the correlation matrix is singular.

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